

Product Catalog

Effective: January 2014



LUMENOPTIX™

Simply Revolutionary™



Made in the U.S.A.

The vast majority of LumenOptix™ products are ARRA and Buy American Act compliant.

Our products are manufactured in the United States and are compliant with the standards of the “American Recovery and Reinvestment Act of 2009” as well as the provisions of the “Buy American Act” of 1933.



LUMENOPTIX™

Simply Revolutionary™

Introduction

The Definition of LumenOptix:

1. Lumen —

A measure of the power of light perceived by the human eye

2. Optics —

The branch of physics, which involves the behavior, and properties of light, including its interactions with matter and the construction of instruments that use or detect it.

3. LumenOptix —

The optimization of the power of light to exceed customers' unique lighting needs by optimizing the interaction of precision optics, thermal management and superior quality materials to construct a lighting solution that provides the desired light levels while utilizing the least energy, thereby maximizing energy savings.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC

LumenOptix, LLC reserves the right to change, without notice, specifications or materials that in our opinion will not alter the function or performance of the product. LumenOptix, LLC will not be held responsible for errors or omissions in this catalog.

Table of Contents

LED

LRD Retrofit Series 1

LRD1 LED Retrofit Downlight	3
LRD2 LED Retrofit Downlight	7

LED Cylinder Series 11

CLS1 LED Cylinder	13
CLD1 LED Up/Down Cylinder	19

LED Evolution Retrofit Series 23

LER1 LED Retrofit Recessed Lay-In	25
---	----

LED LV Series 27

LV6 LED Enclosed & Gasketed	29
LVK LED Enclosed & Gasketed	31

LED Accessories 33

Remodel Ring (R)	33
Goof Ring (GR)	35

Case Studies 37

Fluorescent

Precision Optics

How To Design A Better Fixture

Application Matrix

Industrial High Bay 9

Hybrid Series (HY)

T5 Narrow Beam Reflector	13
T5 Medium Beam Reflector	15
T5 Wide Beam Reflector	17

Full Body Series (FB)

T5 Narrow Beam Reflector	21
T5 Medium Beam Reflector	23
T5 Wide Beam Reflector	25
T5 Broad Beam Reflector	27
T5 General Beam Reflector	29
T8 Narrow Beam Reflector	31
T8 Wide Beam Reflector	33
T8 General Beam Reflector	35

Unichannel Series (UN)

T5 Narrow Beam Reflector	39
T5 Medium Beam Reflector	41
T5 Wide Beam Reflector	43

ECO Series (EC, EA)

T5 General Beam Reflector	47
T8 General Beam Reflector	49

Max Value Series (MV)

T5 Wide Beam Reflector	53
T5 General Beam Reflector	55
T8 Wide Beam Reflector	57
T8 General Beam Reflector	59

Cold Storage 61

VE Series Enclosed & Gasketed (VE)

T5 Medium Beam Reflector	65
T5 Wide Beam Reflector	67
T5 General Beam Reflector	69
T8 Wide Beam Reflector	71
T8 General Beam Reflector	73

(continued)

Table of Contents

Fluorescent *(continued)*

Enclosed & Gasketed **75**

V4 SERIES (V4) **77**

T5 Wide Beam Reflector 79

T8 Wide Beam Reflector 81

V6 SERIES (V6) **83**

T5 General Beam Reflector 83

T5 Asymmetrical Reflector 85

T8 General Beam Reflector 87

VX SERIES (VX) **89**

T5 Extra-Wide Beam Reflector 89

T8 Extra-Wide Beam Reflector 91

Retail **93**

Architectural Series (AR) **95**

T5 Wide Beam Reflector 97

T5 General Beam Reflector 99

T8 Wide Beam Reflector 101

T8 General Beam Reflector 103

Accessories & Options **105**

Mounting Hardware (MH) 107

Fluorescent Lamps (LF) 108

Lens Door Kits (DK) 109

Wire Guards (WG) 110

Cordsets (CL, CP) 111

Occupancy Sensor Options (CTR) 112

Emergency Ballasts (EM) 113

Ballasts (BF) 114

Case Studies **115**

Ordering Key for Model Numbers **147**

Contact Us **149**

Warranty **151**

LED Lighting

LED Lighting



LED Retrofit Downlight



LED Retrofit Downlight (LRD)



LUMENOPTIX™
Simply Revolutionary™



LED Retrofit Downlight



LUMENOPTIX™

Simply Revolutionary™

The American-made LumenOptix™ LED Retrofit Downlight, LRD, is an innovative LED solution for the commercial downlight market that upgrades any downlight to LED by fitting into the existing rough-in kit of any make, any model and any size. LumenOptix™ LRD delivers up to 75% energy savings with unparalleled visual acuity. It is mercury-free and maintenance-free with dimming capabilities and 50,000 hours rated life to L70. Combining these features with the ease of retrofitting your current downlight in minutes makes the LumenOptix™ LRD Retrofit Downlight not only great, but *Simply Revolutionary™*.



Scan the QR code to view our installation video or go to www.lumenoptix.com/simply-revolutionary

REFLECTORS:

- Narrow beam
- Medium beam
- Wide beam



REMOTE PHOSPHOR LIGHT ENGINE

Available in multiple lumen packages and kelvin temperatures



HOUSING:

- LRD6 (nominal 6" diameter)
- LRD8 (nominal 8" diameter)
- LRD10 (nominal 10" diameter)



APPLICATIONS:

- Universities and Schools
- Hospitals and Medical Facilities
- Airports and Transportation Centers
- Malls and Retail Outlets
- Hotels and Restaurants
- Offices and Lobbies
- Casinos and Theatres
- Places of Worship
- Government Buildings





LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

LRD1

LED RETROFIT DOWNLIGHT SERIES LRD, 6", 8", 10" DIAMETER



Patent Pending

SPECIFICATIONS

- Construction: Galvanized steel bracket and anodized aluminum reflector
- LED System: High efficacy LED light engine
- Mounting: Proprietary bracket installs to any existing rough-in kits
- Color Rendering Index (CRI): >82 (Higher CRI, consult factory)
- Correlated Color Temp. (CCT): 2700k, 3000k, 3500k, or 4000k
- Rated Life (L70): 50,000 hours
- Voltage: 120-277V, or 347-480V
- Nominal system wattage (4000k):
 - 1000 lumens - 15 watts,
 - 2000 lumens - 38 watts,
 - 3000 lumens - 43 watts

FEATURES

- Tool-less installation from below ceiling installs in minutes, virtually eliminating labor costs
- Converts any make or model of existing architectural downlight to LED
- Provides up to 90% savings over conventional energy sources
- 50,000 hour life at L70 significantly reduces maintenance costs
- Thermal management engineered for maximum component life
- Reflector precisely engineered for this LED light source with low iridescent specular, semi-specular and diffused finishes to provide a non-glare, evenly distributed and highly efficient optical system.
- Reflectors available in several colors
- Dimmable to 10% light output
- 5 year warranty
- Commercial, industrial (Non) IC applications
- **Made in U.S.A. of U.S. and imported parts, ARRA compliant**



Scan the QR code to view our brief installation video

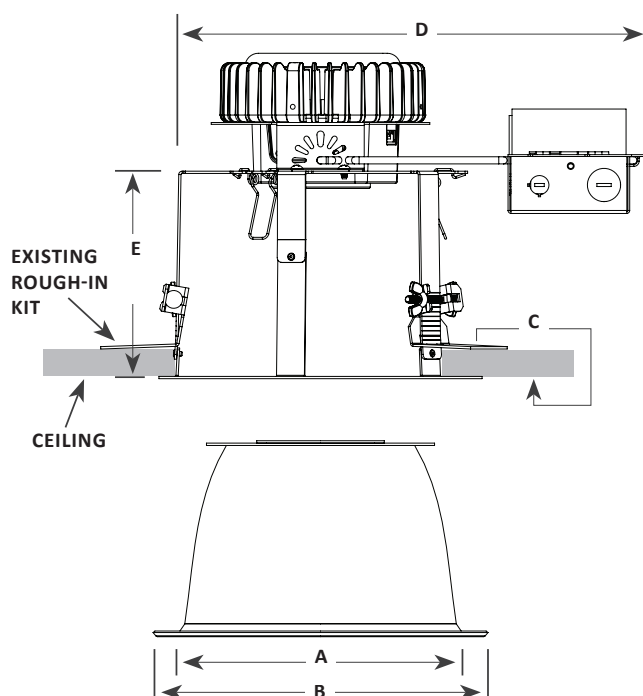


OPTIONS

- Anti-bacterial paint (for painted reflector/flange surfaces only)
- Lenses — Available in transparent or frosted
- Emergency battery pack

ACCESSORIES

- Goof Ring
- Remodel Ring
- Lay-in kit, 2x2 or 2x4
- Step-down transformer



6" LRD

A	Cut-Out Dimension	6.375" - 7.125"
		7.125" - 7.88" (w/goof ring)
B	Reflector Width	7.4"
C	Maximum Ceiling & Rough-In Kit Thickness	1.625"
D	Width of LRD with Swing Arm Extended	10.34"
E	Height from bottom of reflector to top	6.58"

8" LRD

A	Cut-Out Dimension	7.88" - 8.50"
		8.50" - 9.75" (w/goof ring)
B	Reflector Width	8.80"
C	Maximum Ceiling & Rough-In Kit Thickness	3.00"
D	Width of LRD with Swing Arm Extended	12.51"
		12.51"-15.50" 3000/4000 lumens
E	Height from bottom of reflector to top	8.50"

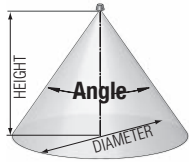
10" LRD

A	Cut-Out Dimension	9.75" - 10.50"
		10.50" - 12.50" (w/goof ring)
B	Reflector Width	10.80"
C	Maximum Ceiling & Rough-In Kit Thickness	4.25"
D	Width of LRD with Swing Arm Extended	13.55"
		13.55"-16.55" 3000/4000 lumens
E	Height from bottom of reflector to top	9.51"

DISTRIBUTION

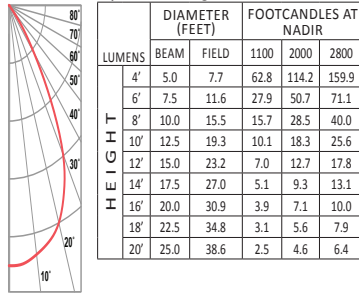
Refer to our website for complete IES files, photometric reports and spec sheets.

LRD6 WIDE



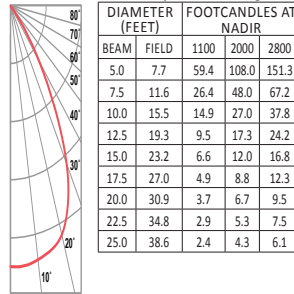
LRD6-20-40-W-RS

Specular Angle 64°



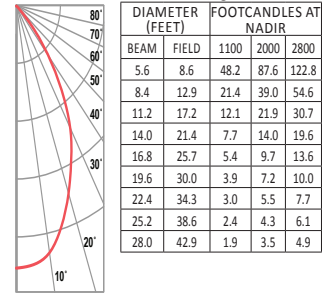
LRD6-20-40-W-RM

Semi-Specular Angle 64°

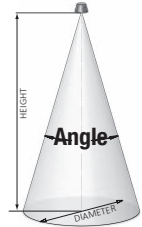


LRD6-20-40-W-RD

Diffused Angle 70°

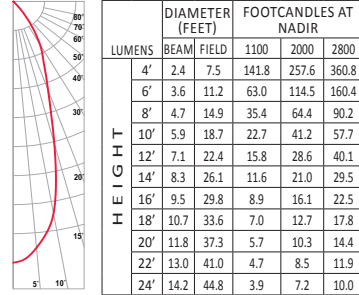


LRD8 NARROW



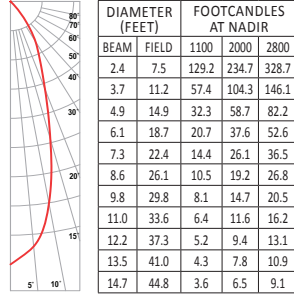
LRD8-20-40-N-RS

Specular Angle 33°



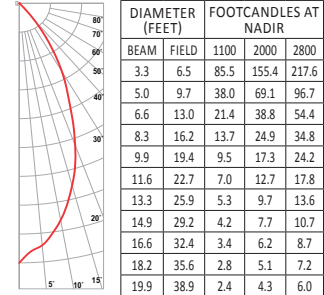
LRD8-20-40-N-RM

Semi-Specular Angle 34°

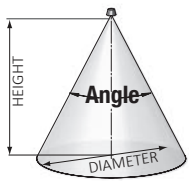


LRD8-20-40-N-RD

Diffused Angle 45°

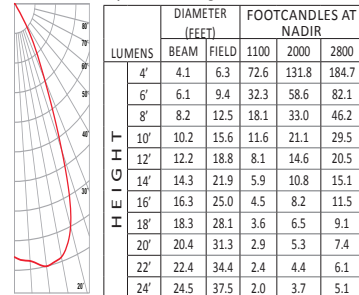


LRD8 MEDIUM



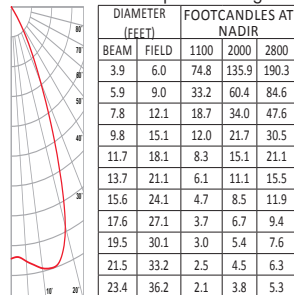
LRD8-20-40-M-RS

Specular Angle 54°



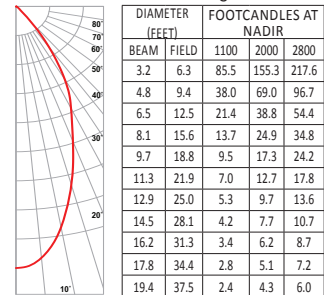
LRD8-20-40-M-RM

Semi-Specular Angle 52°

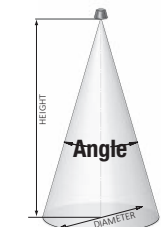


LRD8-20-40-M-RD

Diffused Angle 44°

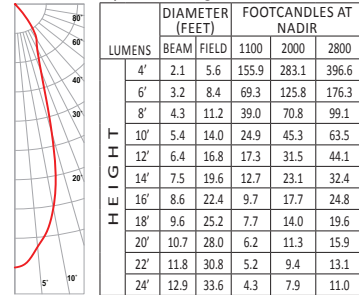


LRD10 NARROW



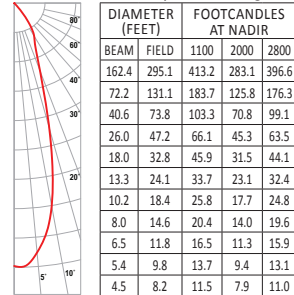
LRD10-20-40-N-RS

Specular Angle 30°



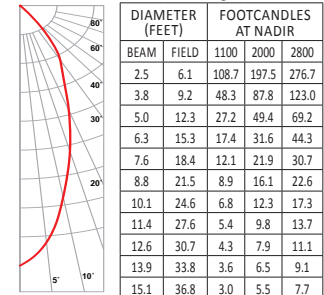
LRD10-20-40-N-RM

Semi-Specular Angle 30°

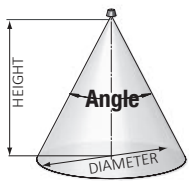


LRD10-20-40-N-RD

Diffused Angle 35°

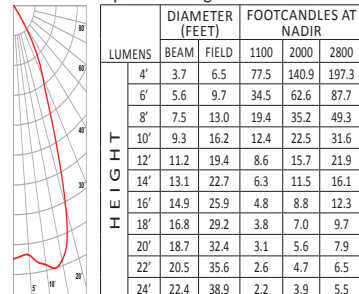


LRD10 MEDIUM



LRD10-20-40-M-RS

Specular Angle 50°



MODEL NUMBER INFORMATION

LRD1 - - - - - - - - - -									
SERIES	SIZE	LUMEN PACKAGE	CRI & COLOR TEMP.	BEAM SPREAD	REFLECTOR FINISH	REFLECTOR COLOR (ANODIZED)		FLANGE	DIMMING
LRD1 LED Retrofit Downlight	6	10	8227	N	RM	(Blank)	CH	(Blank)	(Blank)
	6"	1000 lumens	2700k	Narrow (LRD8 & 10 only)	Semi-specular	Clear	Warm Haze	Match reflector color	Dimming Low Voltage (0-10V, 120V)*
	8	20	8230	M	RD	CZ	CP	FB	D2
	8"	2000 lumens	3000k	Medium	Diffused	Bronze	Pewter	Black	Dimming Low Voltage (0-10V, 277V only)*
	10	30	8235	W	RS	CB	CT	FW	D3
	10"	3000 lumens	3500k	Wide	Specular	Black	Wheat	White	Dimming Powerline LE (2 Wire, 120V)*
			8240		RW	CK	CS	FC	D4
			4000k		White (painted)	Gold	Straw	Custom* (painted)	Dimming TE*
					RC	CG			
					Custom* (painted)	Graphite			

Other voltages and dimming protocols contact factory.
For detailed specifications of all dimming drivers consult factory.

 - -

OPTIONS (Pre-installed)

EMERGENCY LIGHTING	LENS	OTHER
(Blank) No emergency battery back-up installed	(Blank) No lens installed	(Blank) No option included
EB01 Philips Bodine Emergency battery back-up	L01 Frosted lens	S01 Anti-bacterial paint (for painted surfaces only)
	L02 Transparent lens	S02 Surge Protector

 - - -

ACCESSORIES (Not pre-installed) Order as separate line items

GOOF RING	LAY-IN KITS	REMODEL RING	STEP DOWN TRANSFORMER
(Blank) No Goof Ring included	(Blank) No Lay-in Kit included	(Blank) No Remodel Ring included	(Blank) No step down transformer included
G Goof Ring	K1 2x2 Lay-in Kit*	R Remodel Ring	V2 Step-down transformer for all 347-480V applications
GC Goof Ring, custom color or size*	K2 2x4 Lay-in Kit*		

* Consult Factory

For detailed information on options and accessories see separate spec sheets for these items.

Product specifications subject to change without notice.

For the most current spec sheet visit our website www.lumenoptix.com



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

LRD2

LED RETROFIT DOWNLIGHT SERIES LRD, 6", 8", 10" DIAMETER



Patent Pending

SPECIFICATIONS

- Construction: Galvanized steel bracket and anodized aluminum reflector
- LED System: High efficacy LED light engine
- Mounting: Proprietary bracket installs to any existing rough-in kits
- Color Rendering Index (CRI): >92 (Higher CRI, consult factory)
- Correlated Color Temp. (CCT): 2700k, 3000k, 3500k, or 4000k
- Rated Life (L70): 50,000 hours
- Voltage: 120-277V, or 347-480V
- Nominal system wattage (4000k):
 - 1000 lumens - 15 watts,
 - 1500 lumens - 22 watts,
 - 2000 lumens - 28 watts,
 - 3000 lumens - 43 watts,
 - 4000 lumens - 50 watts



Scan the QR code to view our brief installation video

OPTIONS

- Anti-bacterial paint (for painted reflector/flange surfaces only)
- Lenses — Available in transparent or frosted
- Emergency battery pack

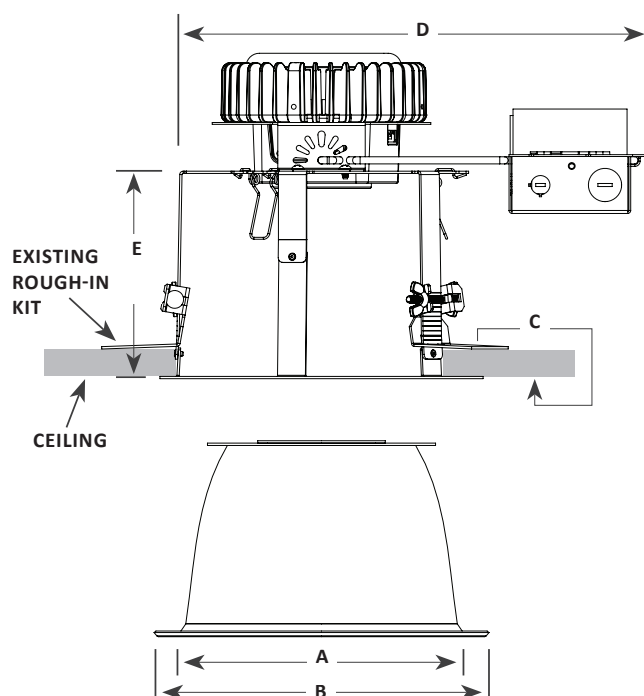
FEATURES

- Tool-less installation from below ceiling installs in minutes, virtually eliminating labor costs
- Excellent color rendering, 92 CRI
- 4000 lumen package can replace 400w metal halide
- Twist-lock LED module allows for easy access
- Converts any make or model of existing architectural downlight to LED
- Provides up to 90% savings over conventional energy sources
- 50,000 hour life at L70 significantly reduces maintenance costs
- Thermal management engineered for maximum component life
- Reflector precisely engineered for this LED light source with low iridescent specular, semi-specular and diffused finishes to provide a non-glare, evenly distributed and highly efficient optical system.
- Reflectors available in several colors
- Dimmable to 10% light output
- 5 year warranty
- Commercial, industrial (Non) IC applications
- **Made in U.S.A. of U.S. and imported parts, ARRA compliant**



ACCESSORIES

- Goof Ring
- Remodel Ring
- Lay-in kit, 2x2 or 2x4
- Step-down transformer



6" LRD

A	Cut-Out Dimension	6.375" - 7.125"
		7.125" - 7.88" (w/goof ring)
B	Reflector Width	7.4"
C	Maximum Ceiling & Rough-In Kit Thickness	1.625"
D	Width of LRD with Swing Arm Extended	10.34"
E	Height from bottom of reflector to top	6.58"

8" LRD

A	Cut-Out Dimension	7.88" - 8.50"
		8.50" - 9.75" (w/goof ring)
B	Reflector Width	8.80"
C	Maximum Ceiling & Rough-In Kit Thickness	3.00"
D	Width of LRD with Swing Arm Extended	12.51"
		12.51"-15.50" 3000/4000 lumens
E	Height from bottom of reflector to top	8.50"

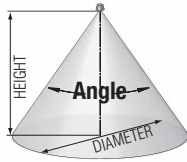
10" LRD

A	Cut-Out Dimension	9.75" - 10.50"
		10.50" - 12.50" (w/goof ring)
B	Reflector Width	10.80"
C	Maximum Ceiling & Rough-In Kit Thickness	4.25"
D	Width of LRD with Swing Arm Extended	13.55"
		13.55"-16.55" 3000/4000 lumens
E	Height from bottom of reflector to top	9.51"

DISTRIBUTION

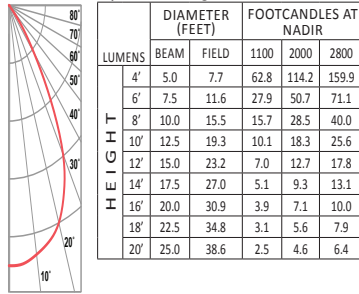
Refer to our website for complete IES files, photometric reports and spec sheets.

LRD6 WIDE



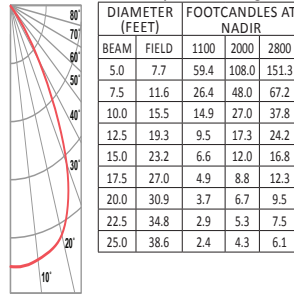
LRD6-20-40-W-RS

Specular Angle 64°



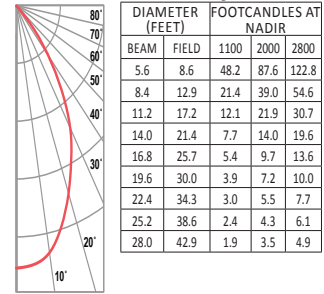
LRD6-20-40-W-RM

Semi-Specular Angle 64°

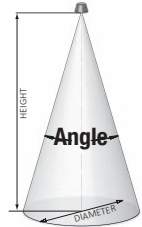


LRD6-20-40-W-RD

Diffused Angle 70°

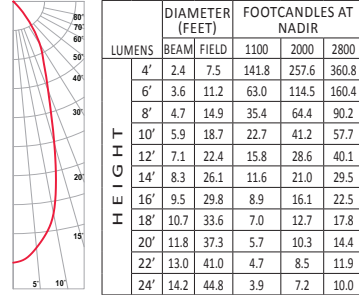


LRD8 NARROW



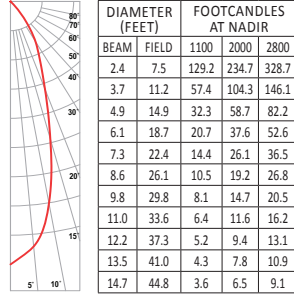
LRD8-20-40-N-RS

Specular Angle 33°



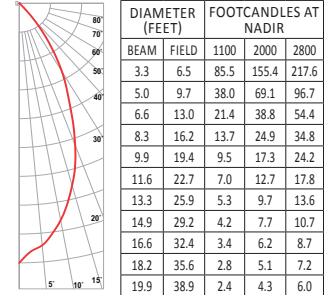
LRD8-20-40-N-RM

Semi-Specular Angle 34°

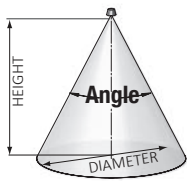


LRD8-20-40-N-RD

Diffused Angle 45°

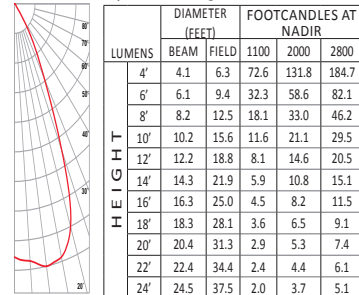


LRD8 MEDIUM



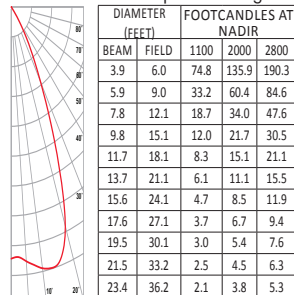
LRD8-20-40-M-RS

Specular Angle 54°



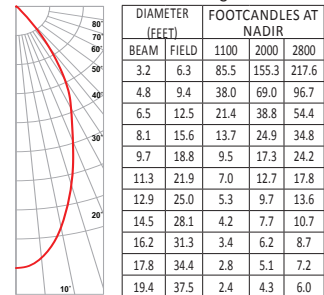
LRD8-20-40-M-RM

Semi-Specular Angle 52°

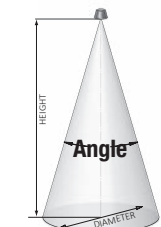


LRD8-20-40-M-RD

Diffused Angle 44°

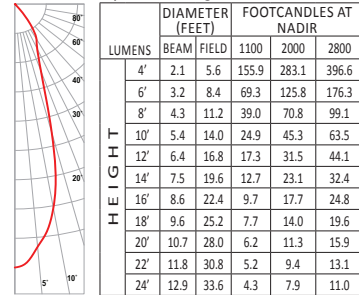


LRD10 NARROW



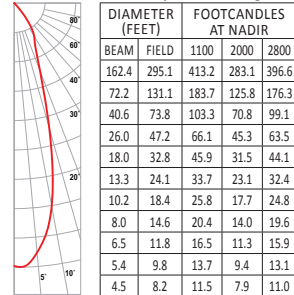
LRD10-20-40-N-RS

Specular Angle 30°



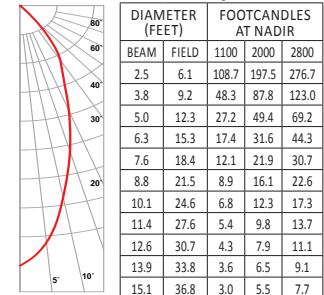
LRD10-20-40-N-RM

Semi-Specular Angle 30°

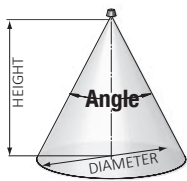


LRD10-20-40-N-RD

Diffused Angle 35°

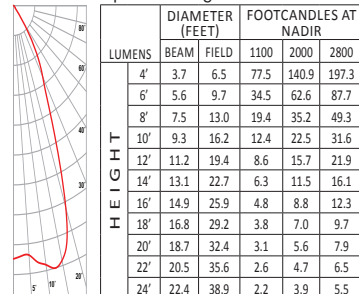


LRD10 MEDIUM



LRD10-20-40-M-RS

Specular Angle 50°



MODEL NUMBER INFORMATION

LRD2 - - - - - - - - - -									
SERIES	SIZE	LUMEN PACKAGE	CRI & COLOR TEMP.	BEAM SPREAD	REFLECTOR FINISH	REFLECTOR COLOR (ANODIZED)		FLANGE	DIMMING
LRD2 LED Retrofit Downlight (Designer Series)	06 6"	10 1000 lumens	9227 2700k	N Narrow (LRD8 & 10 only)	RM Semi-specular	(Blank) Clear	CH Warm Haze	(Blank) Match reflector color	(Blank) Dimming Low Voltage (0-10V, 120V)*
	08 8"	15 1500 lumens	9230 3000k	M Medium	RD Diffused	CZ Bronze	CP Pewter	FB Black	D1 Dimming Low Voltage (0-10V, 277V only)
	10 10"	20 2000 lumens	9235 3500k	W Wide	RS Specular	CB Black	CT Wheat	FW White	D2 Dimming Powerline (2 Wire, 120V)*
		30 3000 lumens	9240 4000k		RW White (painted)	CK Gold	CS Straw	FC Custom* (painted)	D3 Other Voltage/Protocol Dimming*
		40 4000 lumens			RC Custom* (painted)	CG Graphite			D5 Some are 120-277V*

OPTIONS (Pre-installed)		
EMERGENCY LIGHTING	LENS	OTHER
(Blank) No emergency battery back-up installed	(Blank) No lens installed	(Blank) No option included
EB01 Philips Bodine Emergency battery back-up	L01 Frosted lens	S01 Anti-bacterial paint (for painted surfaces only)
	L02 Transparent lens	S02 Surge Protector

ACCESSORIES (Not pre-installed when specified) Order as separate line items		
GOOF RING	LAY-IN KITS	OTHER
(Blank) No Goof Ring included	(Blank) No Lay-in Kit included	(Blank) No Remodel Ring included
G Goof Ring	K1 2x2 Lay-in Kit*	R Remodel Ring
GC Goof Ring, Custom Color*	K2 2x4 Lay-in Kit*	

* Consult Factory

For detailed information on options and accessories see separate spec sheets for these items.

Product specifications subject to change without notice.

For the most current spec sheet visit our website www.lumenoptix.com



LUMENOPTIX
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC

LED Cylinder Series



LED Cylinder (CLS/CLD)



LUMENOPTIX™
Simply Revolutionary™



LED Cylinder Series

The LumenOptix™ specification grade LED cylinder light fixtures upgrades any existing commercial and industrial environment. They easily install with our patent-pending mounting brackets. The 50,000 rated life (<70) eliminates current maintenance costs and the savings generated provides a quick return on investment. Our cylinders are available in downlight and uplight/downlight styles with a specification-grade proprietary optical design, providing exceptional visual acuity, proper cut-off, precise beam control and no glare.



Scan the QR code to view our installation video or go to www.lumenoptix.com/simple-revolutionary

REFLECTORS:

- Narrow beam
- Medium beam
- Wide beam



REMOTE PHOSPHOR LIGHT ENGINE

Available in multiple lumen packages and kelvin temperatures



MOUNTING

- Single Cable
- Tri-Cable
- Surface mount
- Pendant Mount
- Wall Mount



APPLICATIONS:

- Universities and Schools
- Hospitals and Medical Facilities
- Airports and Transportation Centers
- Malls and Retail Outlets
- Hotels and Restaurants
- Offices and Lobbies
- Casinos and Theatres
- Places of Worship
- Government Buildings





LUMENOPTIX™

Simply Revolutionary™

Type _____

Model # _____

Date _____

Project Name _____

CLS1

LED CYLINDER SERIES DOWNLIGHT, 8", 10", 12" DIAMETER



SPECIFICATIONS

- Construction: 18 gauge steel, one-piece welded construction. Finish is pretreated, powder coat paint. All internal metal brackets are constructed of heavy-duty 16 gauge galvanized steel.
- LED System: High efficacy LED light engine
- Mounting: Suspension aircraft cable 1/16" 7 x 7, tool-less adjustable
- Color Rendering Index (CRI): >82 (Higher CRI, consult factory)
- Correlated Color Temp. (CCT): 2700k, 3000k, 3500k, or 4000k
- Rated Life (L70): 50,000 hours
- Voltage: 120-277V, or 347-480V
- Nominal system wattage (4000k):
1000 lumens - 15 watts,
2000 lumens - 28 watts,
3000 lumens - 43 watts

FEATURES

- Specification grade construction and optical system provides exceptional visual acuity
- Longer life with up to 90% savings over conventional energy sources, significantly reducing maintenance costs
- Mounting system allows safe, quick and easy installation
- Thermal management engineered for maximum component life
- Reflector precisely engineered for this LED light source with low iridescent specular, semi-specular and diffused finishes to provide a non-glare, evenly distributed and highly efficient optical system.
- Dimmable to 10% light output
- 5 year warranty
- Commercial, industrial (Non) IC applications
- Patent Pending
- **Made in U.S.A. of U.S. and imported parts, ARRA compliant**

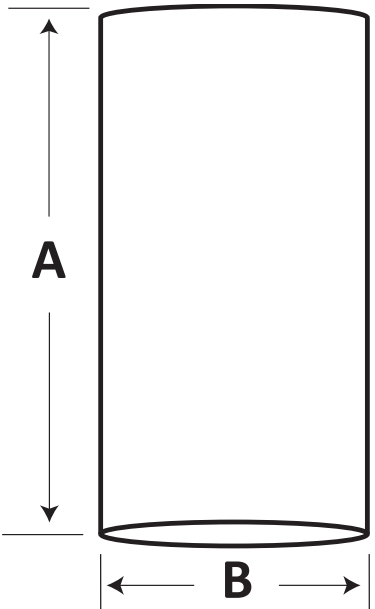


OPTIONS

- Anti-bacterial paint (for painted reflector/flange surfaces only)
- Lenses — Available in transparent or frosted
- Cordsets
- Surge protector
- Mounting options



Scan the QR code to view our brief installation video



8" CYLINDER

A	Cylinder Height	12.40"
B	Cylinder Diameter	8.00"

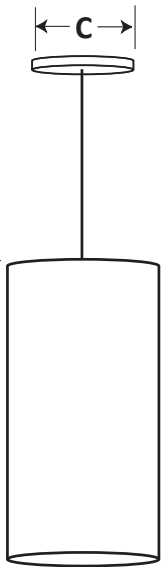
10" CYLINDER

A	Cylinder Height	14.00"
B	Cylinder Diameter	9.63"

12" CYLINDER

A	Cylinder Height	15.00"
B	Cylinder Diameter	11.50"

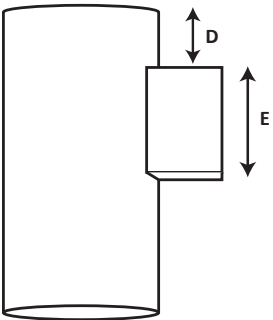
CABLE MOUNT



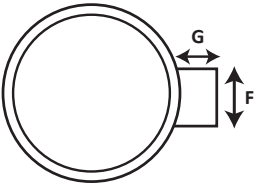
8", 10", 12" CYLINDER

C	Canopy Diameter	5.00"
----------	-----------------	-------

WALL MOUNT



Side View



Top View

8", 10" CYLINDER

D	Arm Distance to top	2.58"
E	Arm Height	6.25"
F	Arm Width	4.75"
G	Arm Extension	2", 4", 6", 8", Custom

12" CYLINDER

D	Arm Distance to top	3.11"
E	Arm Height	6.25"
F	Arm Width	4.75"
G	Arm Extension	2", 4", 6", 8", Custom

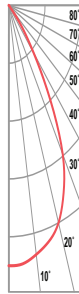
DISTRIBUTION

Refer to our website for complete IES files, photometric reports and spec sheets.

CLS8 WIDE

CLS1-8PC-HW-11-40-W-RS

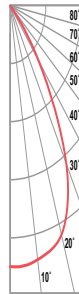
Specular Angle 64°



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	5.0	7.7	62.8	114.2	159.9
6'	7.5	11.6	27.9	50.7	71.1
8'	10.0	15.5	15.7	28.5	40.0
10'	12.5	19.3	10.1	18.3	25.6
12'	15.0	23.2	7.0	12.7	17.8
14'	17.5	27.0	5.1	9.3	13.1
16'	20.0	30.9	3.9	7.1	10.0
18'	22.5	34.8	3.1	5.6	7.9
20'	25.0	38.6	2.5	4.6	6.4

CLS1-8PC-HW-11-40-W-RM

Semi-Specular Angle 64°



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
5.0	7.7	59.4	108.0	151.3
7.5	11.6	26.4	48.0	67.2
10.0	15.5	14.9	27.0	37.8
12.5	19.3	9.5	17.3	24.2
15.0	23.2	6.6	12.0	16.8
17.5	27.0	4.9	8.8	12.3
20.0	30.9	3.7	6.7	9.5
22.5	34.8	2.9	5.3	7.5
25.0	38.6	2.4	4.3	6.1

CLS1-8PC-HW-11-40-W-RD

Diffused Angle 70°

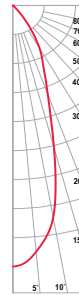


DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
5.6	8.6	48.2	87.6	122.8
8.4	12.9	21.4	39.0	54.6
11.2	17.2	12.1	21.9	30.7
14.0	21.4	7.7	14.0	19.6
16.8	25.7	5.4	9.7	13.6
19.6	30.0	3.9	7.2	10.0
22.4	34.3	3.0	5.5	7.7
25.2	38.6	2.4	4.3	6.1
28.0	42.9	1.9	3.5	4.9

CLS10 NARROW

CLS1-10PC-HW-11-40-N-RS

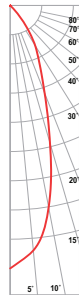
Specular Angle 33°



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	2.4	7.5	141.8	257.6	360.8
6'	3.6	11.2	63.0	114.5	160.4
8'	4.7	14.9	35.4	64.4	90.2
10'	5.9	18.7	22.7	41.2	57.7
12'	7.1	22.4	15.8	28.6	40.1
14'	8.3	26.1	11.6	21.0	29.5
16'	9.5	29.8	8.9	16.1	22.5
18'	10.7	33.6	7.0	12.7	17.8
20'	11.8	37.3	5.7	10.3	14.4
22'	13.0	41.0	4.7	8.5	11.9
24'	14.2	44.8	3.9	7.2	10.0

CLS1-10PC-HW-11-40-N-RM

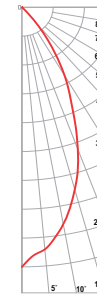
Semi-Specular Angle 34°



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
2.4	7.5	129.2	234.7	328.7
3.7	11.2	57.4	104.3	146.1
4.9	14.9	32.3	58.7	82.2
6.1	18.7	20.7	37.6	52.6
7.3	22.4	14.4	26.1	36.5
8.6	26.1	10.5	19.2	26.8
9.8	29.8	8.1	14.7	20.5
11.0	33.6	6.4	11.6	16.2
12.2	37.3	5.2	9.4	13.1
13.5	41.0	4.3	7.8	10.9
14.7	44.8	3.6	6.5	9.1

CLS1-10PC-HW-11-40-N-RD

Diffused Angle 45°

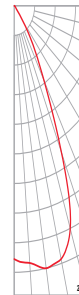


DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
3.3	6.5	85.5	155.4	217.6
5.0	9.7	38.0	69.1	96.7
6.6	13.0	21.4	38.8	54.4
8.3	16.2	13.7	24.9	34.8
9.9	19.4	9.5	17.3	24.2
11.6	22.7	7.0	12.7	17.8
13.3	25.9	5.3	9.7	13.6
14.9	29.2	4.2	7.7	10.7
16.6	32.4	3.4	6.2	8.7
18.2	35.6	2.8	5.1	7.2
19.9	38.9	2.4	4.3	6.0

CLS10 MEDIUM

CLS1-10PC-HW-11-40-M-RS

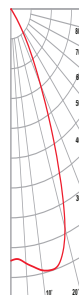
Specular Angle 54°



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	4.1	6.3	72.6	131.8	184.7
6'	6.1	9.4	32.3	58.6	82.1
8'	8.2	12.5	18.1	33.0	46.2
10'	10.2	15.6	11.6	21.1	29.5
12'	12.2	18.8	8.1	14.6	20.5
14'	14.3	21.9	5.9	10.8	15.1
16'	16.3	25.0	4.5	8.2	11.5
18'	18.3	28.1	3.6	6.5	9.1
20'	20.4	31.3	2.9	5.3	7.4
22'	22.4	34.4	2.4	4.4	6.1
24'	24.5	37.5	2.0	3.7	5.1

CLS1-10PC-HW-11-40-M-RM

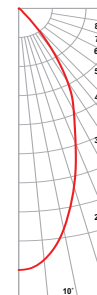
Semi-Specular Angle 52°



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
3.9	6.0	74.8	135.9	190.3
5.9	9.0	33.2	60.4	84.6
7.8	12.1	18.7	34.0	47.6
9.8	15.1	12.0	21.7	30.5
11.7	18.1	8.3	15.1	21.1
13.7	21.1	6.1	11.1	15.5
15.6	24.1	4.7	8.5	11.9
17.6	27.1	3.7	6.7	9.4
19.5	30.1	3.0	5.4	7.6
21.5	33.2	2.5	4.5	6.3
23.4	36.2	2.1	3.8	5.3

CLS1-10PC-HW-11-40-M-RD

Diffused Angle 44°

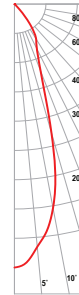


DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
3.2	6.3	85.5	155.3	217.6
4.8	9.4	38.0	69.0	96.7
6.5	12.5	21.4	38.8	54.4
8.1	15.6	13.7	24.9	34.8
9.7	18.8	9.5	17.3	24.2
11.3	21.9	7.0	12.7	17.8
12.9	25.0	5.3	9.7	13.6
14.5	28.1	4.2	7.7	10.7
16.2	31.3	3.4	6.2	8.7
17.8	34.4	2.8	5.1	7.2
19.4	37.5	2.4	4.3	6.0

CLS12 NARROW

CLS1-12PC-HW-11-40-N-RS

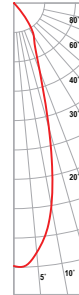
Specular Angle 30°



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	2.1	5.6	155.9	283.1	396.6
6'	3.2	8.4	69.3	125.8	176.3
8'	4.3	11.2	39.0	70.8	99.1
10'	5.4	14.0	24.9	45.3	63.5
12'	6.4	16.8	17.3	31.5	44.1
14'	7.5	19.6	12.7	23.1	32.4
16'	8.6	22.4	9.7	17.7	24.8
18'	9.6	25.2	7.7	14.0	19.6
20'	10.7	28.0	6.2	11.3	15.9
22'	11.8	30.8	5.2	9.4	13.1
24'	12.9	33.6	4.3	7.9	11.0

CLS1-12PC-HW-11-40-N-RM

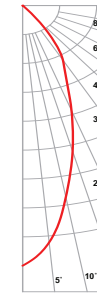
Semi-Specular Angle 30°



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
162.4	295.1	413.2	283.1	396.6
72.2	131.1	183.7	125.8	176.3
40.6	73.8	103.3	70.8	99.1
26.0	47.2	66.1	45.3	63.5
18.0	32.8	45.9	31.5	44.1
13.3	24.1	33.7	23.1	32.4
10.2	18.4	25.8	17.7	24.8
8.0	14.6	20.4	14.0	19.6
6.5	11.8	16.5	11.3	15.9
5.4	9.8	13.7	9.4	13.1
4.5	8.2	11.5	7.9	11.0

CLS1-12PC-HW-11-40-N-RD

Diffused Angle 35°



DIAMETER (FEET)		FOOTCANDELS AT NADIR		
BEAM	FIELD	1100	2000	2800
2.5	6.1	108.7	197.5	276.7
3.8	9.2	48.3	87.8	123.0
5.0	12.3	27.2	49.4	69.2
6.3	15.3	17.4	31.6	44.3
7.6	18.4	12.1	21.9	30.7
8.8	21.5	8.9	16.1	22.6
10.1	24.6	6.8	12.3	17.3
11.4	27.6	5.4	9.8	13.7
12.6	30.7	4.3	7.9	11.1
13.9	33.8	3.6	6.5	9.1
15.1	36.8	3.0	5.5	7.7

CLS12 MEDIUM

CLS1-12PC-HW-11-40-M-RS

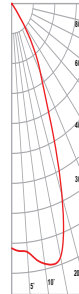
Specular Angle 50°



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	3.7	6.5	77.5	140.9	197.3
6'	5.6	9.7	34.5	62.6	87.7
8'	7.5	13.0	19.4	35.2	49.3
10'	9.3	16.2	12.4	22.5	31.6
12'	11.2	19.4	8.6	15.7	21.9
14'	13.1	22.7	6.3	11.5	16.1
16'	14.9	25.9	4.8	8.8	12.3
18'	16.8	29.2	3.8	7.0	9.7
20'	18.7	32.4	3.1	5.6	7.9
22'	20.5	35.6	2.6	4.7	6.5
24'	22.4	38.9	2.2	3.9	5.5

CLS1-12PC-HW-11-40-M-RM

Semi-Specular Angle 50°



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
3.7	6.5	78.3	142.2	199.2
5.6	9.7	34.8	63.2	88.5
7.5	13.0	19.6	35.5	49.8
9.3	16.2	12.5	22.8	31.9
11.2	19.4	8.7	15.8	22.1
13.1	22.7	6.4	11.6	16.3
14.9	25.9	4.9	8.9	12.4
16.8	29.2	3.9	7.0	9.8
18.7	32.4	3.1	5.7	8.0
20.5	35.6	2.6	4.7	6.6
22.4	38.9	2.2	3.9	5.5

MODEL NUMBER INFORMATION

CLS1										
SERIES	PRODUCT FAMILY	HOUSING COLOR	LUMEN PACKAGE	COLOR TEMP.	BEAM SPREAD	REFLECTOR FINISH	REFLECTOR COLOR (ANODIZED)		FLANGE	DIMMING
CLS1 LED Cylinder Single Light Series	8PC 8" Single Suspended Cable	HW White	10 1000 lumens	8227 2700k	N Narrow (10" & 12" only)	RM Semi-specular	(Blank) Clear	CH Warm Haze	(Blank) Match reflector color	(Blank) Dimming Low Voltage (0-10V, 120V)*
	10PC 10" Single Suspended Cable	HB Black	20 2000 lumens	8230 3000k		RD Diffused	CZ Bronze	CP Pewter	FB Black	D1 Dimming Low Voltage (0-10V, 277V only)
	12PC 12" Single Suspended Cable	HS Silver	30 3000 lumens	8235 3500k	M Medium	RS Specular	CB Black	CT Wheat	FW White	D2 Dimming Powerline (2 Wire, 120V)*
	8PT 8" Suspended Tri-Cable	HZ Bronze		8240 4000k	W Wide	RW White (painted)	CK Gold	CS Straw	FC Custom* (painted)	D3 Other Voltage/Protocol Dimming*
	10PT 10" Suspended Tri-Cable	HC Custom (Specify)*				RC Custom* (painted)	CG Graphite			D5 Some are 120-277V*
	12PT 12" Suspended Tri-Cable									
	8PP 8" Pendant									
	10PP 10" Pendant									
	12PP 12" Pendant									
	8PS 8" Surface Mount									
	10PS 10" Surface Mount									
	12PS 12" Surface Mount									
	8PW 8" Wall Mount									
	10PW 10" Wall Mount									
	12PW 12" Wall Mount									

MOUNTING OPTIONS *(Pre-installed when specified)*

SINGLE/TRI-CABLE	PENDANT	WALL (ARM EXTENSION)
M01W Adjustable to 48", white canopy	M06W 6", white canopy	(Blank) 2" Arm length
M01B Adjustable to 48", black canopy	M06B 6", black canopy	A02 4" Arm length
M02W Adjustable to 72", white canopy	M12W 12", white canopy	A03 6" Arm length
M02B Adjustable to 72", black canopy	M12B 12", black canopy	A04 8" Arm length
MC Custom (Specify)*	M24W 24", white canopy	A05 Custom (Specify)*
	M24B 24", black canopy	
	M36W 36", white canopy	
	M36B 36", black canopy	
	M48W 48", white canopy	
	M48B 48", black canopy	
	M72W 72", white canopy	
	M72B 72", black canopy	
	MC Custom (Specify)*	
		<i>Color of arm matches cylinder housing color</i>

* Consult Factory

For detailed information on options and accessories see separate spec sheets for these items.

Product specifications subject to change without notice.

For the most current spec sheet visit our website www.lumenoptix.com

OPTIONS <i>(Pre-installed when specified)</i>		
CORDS	LENS	OTHER
(Blank) White cord	(Blank) No lens installed	(Blank) No option included
C01 Black Cord	L01 Frosted lens	S01 Anti-bacterial paint (for painted surfaces only)
C02 Low voltage (0-10V) cord, white	L02 Transparent lens	S02 Surge Protector
C03 Low voltage (0-10V) cord, black		

ACCESSORIES <i>(Not pre-installed when specified)</i>	
BOLSTER PLATE & COVER (WALL MOUNT ONLY)	
(Blank) No Bolster Plate & Cover	
B Bolster Plate & Cover	
BC Include Bolster Plate & Cover, custom color*	

* Consult Factory

For detailed information on options and accessories see separate spec sheets for these items.
Product specifications subject to change without notice.
For the most current spec sheet visit our website www.lumenoptix.com



**LUMENOPTIX™**

Simply Revolutionary™

Type _____

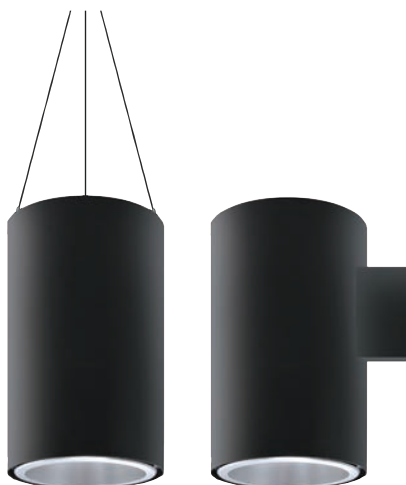
Model # _____

Date _____

Project Name _____

CLD1

LED CYLINDER SERIES Up/Down Light 8", 10", 12" DIAMETER



SPECIFICATIONS

- Construction: 18 gauge steel, one-piece welded construction. Finish is pretreated, powder coat paint. All internal metal brackets are constructed of heavy-duty 16 gauge galvanized steel.
- LED System: High efficacy LED light engine
- Mounting: Suspension aircraft cable 1/16" 7 x 7, tool-less adjustable
- Color Rendering Index (CRI): >82 (Higher CRI, consult factory)
- Correlated Color Temp. (CCT): 2700k, 3000k, 3500k, or 4000k
- Rated Life (L70): 50,000 hours
- Voltage: 120-277V, or 347-480V
- Nominal system wattage (4000k):
1000 lumens - 15 watts,
2000 lumens - 28 watts,
3000 lumens - 43 watts

OPTIONS

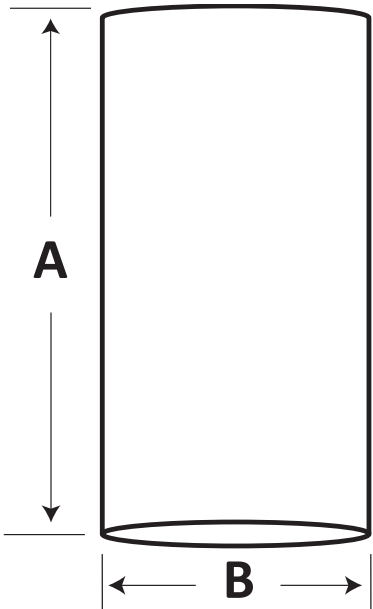
- Anti-bacterial paint (for painted reflector/flange surfaces only)
- Lenses — Available in transparent or frosted
- Surge protector
- Mounting options

FEATURES

- Specification grade construction and optical system provides exceptional visual acuity
- Dual LED light on top and bottom work independently and are customizable with various reflector finishes, beam spreads, lens, and lumen packages
- Longer life with up to 90% savings over conventional energy sources, significantly reducing maintenance costs
- Mounting system allows safe, quick and easy installation
- Modular design
- Thermal management engineered for maximum component life
- Reflector precisely engineered for this LED light source with low iridescent specular, semi-specular and diffused finishes to provide a non-glare, evenly distributed and highly efficient optical system.
- Dimmable to 10% light output
- 5 year warranty
- Patent Pending
- Commercial, industrial (Non) IC applications
- **Made in U.S.A. of U.S. and imported parts, ARRA compliant**



Scan the QR code to view our brief installation video



8" CYLINDER

A	Cylinder Height	12.40"
B	Cylinder Diameter	8.00"

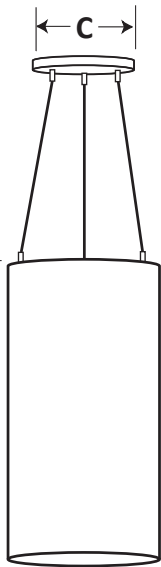
10" CYLINDER

A	Cylinder Height	14.00"
B	Cylinder Diameter	9.63"

12" CYLINDER

A	Cylinder Height	15.00"
B	Cylinder Diameter	11.50"

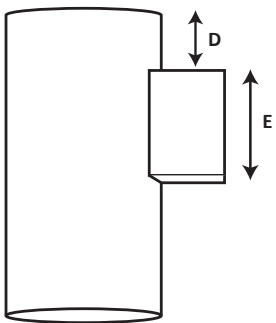
CABLE MOUNT



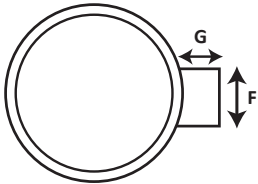
8", 10", 12" CYLINDER

C	Canopy Diameter	5.00"
----------	-----------------	-------

WALL MOUNT



Side View



Top View

8", 10" CYLINDER

D	Arm Distance to top	2.58"
E	Arm Height	6.25"
F	Arm Width	4.75"
G	Arm Extension	2", 4", 6", 8", Custom

12" CYLINDER

D	Arm Distance to top	3.11"
E	Arm Height	6.25"
F	Arm Width	4.75"
G	Arm Extension	2", 4", 6", 8", Custom

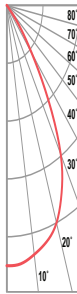
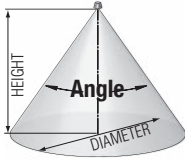
DISTRIBUTION

Refer to our website for complete IES files, photometric reports and spec sheets.

CLD8 WIDE

CLD1-8PC-HW-11-40-W-RS

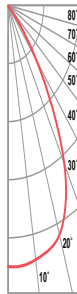
Specular Angle **64°**



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	5.0	7.7	62.8	114.2	159.9
6'	7.5	11.6	27.9	50.7	71.1
8'	10.0	15.5	15.7	28.5	40.0
10'	12.5	19.3	10.1	18.3	25.6
12'	15.0	23.2	7.0	12.7	17.8
14'	17.5	27.0	5.1	9.3	13.1
16'	20.0	30.9	3.9	7.1	10.0
18'	22.5	34.8	3.1	5.6	7.9
20'	25.0	38.6	2.5	4.6	6.4

CLD1-8PC-HW-11-40-W-RM

Semi-Specular Angle **64°**



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
5.0	7.7	59.4	108.0	151.3
7.5	11.6	26.4	48.0	67.2
10.0	15.5	14.9	27.0	37.8
12.5	19.3	9.5	17.3	24.2
15.0	23.2	6.6	12.0	16.8
17.5	27.0	4.9	8.8	12.3
20.0	30.9	3.7	6.7	9.5
22.5	34.8	2.9	5.3	7.5
25.0	38.6	2.4	4.3	6.1

CLD1-8PC-HW-11-40-W-RD

Diffused Angle **70°**

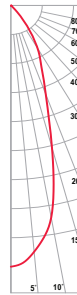
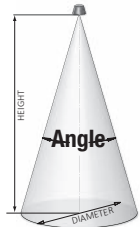


DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
5.6	8.6	48.2	87.6	122.8
8.4	12.9	21.4	39.0	54.6
11.2	17.2	12.1	21.9	30.7
14.0	21.4	7.7	14.0	19.6
16.8	25.7	5.4	9.7	13.6
19.6	30.0	3.9	7.2	10.0
22.4	34.3	3.0	5.5	7.7
25.2	38.6	2.4	4.3	6.1
28.0	42.9	1.9	3.5	4.9

CLD10 NARROW

CLD1-10PC-HW-11-40-N-RS

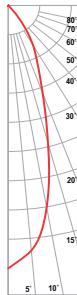
Specular Angle **33°**



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	2.4	7.5	141.8	257.6	360.8
6'	3.6	11.2	63.0	114.5	160.4
8'	4.7	14.9	35.4	64.4	90.2
10'	5.9	18.7	22.7	41.2	57.7
12'	7.1	22.4	15.8	28.6	40.1
14'	8.3	26.1	11.6	21.0	29.5
16'	9.5	29.8	8.9	16.1	22.5
18'	10.7	33.6	7.0	12.7	17.8
20'	11.8	37.3	5.7	10.3	14.4
22'	13.0	41.0	4.7	8.5	11.9
24'	14.2	44.8	3.9	7.2	10.0

CLD1-10PC-HW-11-40-N-RM

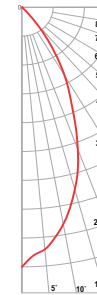
Semi-Specular Angle **34°**



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
2.4	7.5	129.2	234.7	328.7
3.7	11.2	57.4	104.3	146.1
4.9	14.9	32.3	58.7	82.2
6.1	18.7	20.7	37.6	52.6
7.3	22.4	14.4	26.1	36.5
8.6	26.1	10.5	19.2	26.8
9.8	29.8	8.1	14.7	20.5
11.0	33.6	6.4	11.6	16.2
12.2	37.3	5.2	9.4	13.1
13.5	41.0	4.3	7.8	10.9
14.7	44.8	3.6	6.5	9.1

CLD1-10PC-HW-11-40-N-RD

Diffused Angle **45°**

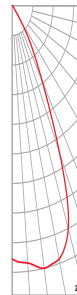
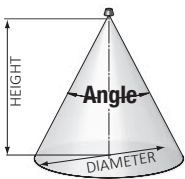


DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
3.3	6.5	85.5	155.4	217.6
5.0	9.7	38.0	69.1	96.7
6.6	13.0	21.4	38.8	54.4
8.3	16.2	13.7	24.9	34.8
9.9	19.4	9.5	17.3	24.2
11.6	22.7	7.0	12.7	17.8
13.3	25.9	5.3	9.7	13.6
14.9	29.2	4.2	7.7	10.7
16.6	32.4	3.4	6.2	8.7
18.2	35.6	2.8	5.1	7.2
19.9	38.9	2.4	4.3	6.0

CLD10 MEDIUM

CLD1-10PC-HW-11-40-M-RS

Specular Angle **54°**



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	4.1	6.3	72.6	131.8	184.7
6'	6.1	9.4	32.3	58.6	82.1
8'	8.2	12.5	18.1	33.0	46.2
10'	10.2	15.6	11.6	21.1	29.5
12'	12.2	18.8	8.1	14.6	20.5
14'	14.3	21.9	5.9	10.8	15.1
16'	16.3	25.0	4.5	8.2	11.5
18'	18.3	28.1	3.6	6.5	9.1
20'	20.4	31.3	2.9	5.3	7.4
22'	22.4	34.4	2.4	4.4	6.1
24'	24.5	37.5	2.0	3.7	5.1

CLD1-10PC-HW-11-40-M-RM

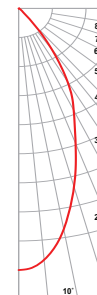
Semi-Specular Angle **52°**



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
3.9	6.0	74.8	135.9	190.3
5.9	9.0	33.2	60.4	84.6
7.8	12.1	18.7	34.0	47.6
9.8	15.1	12.0	21.7	30.5
11.7	18.1	8.3	15.1	21.1
13.7	21.1	6.1	11.1	15.5
15.6	24.1	4.7	8.5	11.9
17.6	27.1	3.7	6.7	9.4
19.5	30.1	3.0	5.4	7.6
21.5	33.2	2.5	4.5	6.3
23.4	36.2	2.1	3.8	5.3

CLD1-10PC-HW-11-40-M-RD

Diffused Angle **44°**

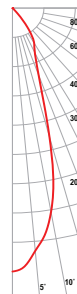
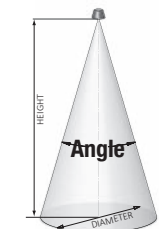


DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
3.2	6.3	85.5	155.3	217.6
4.8	9.4	38.0	69.0	96.7
6.5	12.5	21.4	38.8	54.4
8.1	15.6	13.7	24.9	34.8
9.7	18.8	9.5	17.3	24.2
11.3	21.9	7.0	12.7	17.8
12.9	25.0	5.3	9.7	13.6
14.5	28.1	4.2	7.7	10.7
16.2	31.3	3.4	6.2	8.7
17.8	34.4	2.8	5.1	7.2
19.4	37.5	2.4	4.3	6.0

CLD12 NARROW

CLD1-12PC-HW-11-40-N-RS

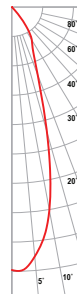
Specular Angle **30°**



LUMENS	DIAMETER (FEET)		FOOTCANDLES AT NADIR		
	BEAM	FIELD	1100	2000	2800
4'	2.1	5.6	155.9	283.1	396.6
6'	3.2	8.4	69.3	125.8	176.3
8'	4.3	11.2	39.0	70.8	99.1
10'	5.4	14.0	24.9	45.3	63.5
12'	6.4	16.8	17.3	31.5	44.1
14'	7.5	19.6	12.7	23.1	32.4
16'	8.6	22.4	9.7	17.7	24.8
18'	9.6	25.2	7.7	14.0	19.6
20'	10.7	28.0	6.2	11.3	15.9
22'	11.8	30.8	5.2	9.4	13.1
24'	12.9	33.6	4.3	7.9	11.0

CLD1-12PC-HW-11-40-N-RM

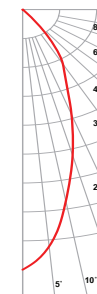
Semi-Specular Angle **30°**



DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
162.4	295.1	413.2	283.1	396.6
72.2	131.1	183.7	125.8	176.3
40.6	73.8	103.3	70.8	99.1
26.0	47.2	66.1	45.3	63.5
18.0	32.8	45.9	31.5	44.1
13.3	24.1	33.7	23.1	32.4
10.2	18.4	25.8	17.7	24.8
8.0	14.6	20.4	14.0	19.6
6.5	11.8	16.5	11.3	15.9
5.4	9.8	13.7	9.4	13.1
4.5	8.2	11.5	7.9	11.0

CLD1-12PC-HW-11-40-N-RD

Diffused Angle **35°**

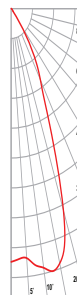
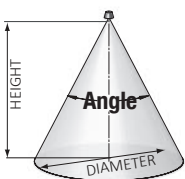


DIAMETER (FEET)		FOOTCANDLES AT NADIR		
BEAM	FIELD	1100	2000	2800
2.5	6.1	108.7	197.5	276.7
3.8	9.2	48.3	87.8	123.0
5.0	12.3	27.2	49.4	69.2
6.3	15.3	17.4	31.6	44.3
7.6	18.4	12.1	21.9	30.7
8.8	21.5	8.9	16.1	22.6
10.1	24.6	6.8	12.3	17.3
11.4	27.6	5.4	9.8	13.7
12.6	30.7	4.3	7.9	11.1
13.9	33.8	3.6	6.5	9.1
15.1	36.8	3.0	5.5	7.7

CLD12 MEDIUM

CLD1-12PC-HW-11-40-M-RS

Specular Angle **50°**



		DIAMETER (FEET)		FOOTCANDLES AT NADIR		
		BEAM	FIELD	1100	2000	2800
H E I G H T	4'	3.7	6.5	77.5	140.9	197.3
	6'	5.6	9.7	34.5	62.6	87.7
	8'	7.5	13.0	19.4	35.2	49.3
	10'	9.3	16.2	12.4	22.5	31.6
	12'	11.2	19.4	8.6	15.7	21.9
	14'	13.1	22.7	6.3	11.5	16.1
	16'	14.9	25.9	4.8	8.8	12.3
	18'	16.8	29.2	3.8	7.0	9.7
	20'	18.7	32.4	3.1	5.6	7.9
	22'	20.5	35.6	2.6	4.7	6.5
24'	22.4	38.9	2.2	3.9	5.5	

MODEL NUMBER INFORMATION

CLD1		UP/DOWN	UP/DOWN	UP/DOWN	UP/DOWN	UP/DOWN	UP/DOWN	UP/DOWN	
SERIES	PRODUCT FAMILY	HOUSING COLOR	LUMEN PACKAGE	COLOR TEMP.	BEAM SPREAD	REFLECTOR FINISH	REFLECTOR COLOR (ANODIZED)	FLANGE	DIMMING
CLD1 LED Cylinder Double Light Series	8PW 8" Suspended Tri-Cable Up/ Down Light 10PW 10" Suspended Tri-Cable Up/ Down Light 12PW 12" Suspended Tri-Cable Up/ Down Light 8PW 8" Wall Mount Up/Down Light 10PW 10" Wall Mount Up/Down Light 12PW 12" Wall Mount Up/Down Light	HW White HB Black HS Silver HZ Bronze HC Custom (Specify)*	10 1000 lumens 20 2000 lumens 30 3000 lumens	8227 2700k 8230 3000k 8235 3500k 8240 4000k	N Narrow (10" & 12" only) M Medium W Wide	RM Semi- specular RD Diffused RS Specular	(Blank) Clear CZ Bronze CB Black CK Gold CG Graphite CH Warm Haze CP Pewter CT Wheat CS Straw	(Blank) Match reflector color FB Black FW White FC Custom* (painted)	(Blank) Dimming Low Voltage (0-10V, 120V)* D1 Dimming Low Voltage (0-10V, 277V only) D2 Dimming Powerline (2 Wire, 120V)* D3 Other Voltage/Protocol Dimming* D5 Some are 120-277V*

UP/DOWN		UP/DOWN	
MOUNTING OPTIONS (Pre-installed when specified)			
PENDANT MOUNTING		WALL (ARM EXTENSION)	
(Blank) Adjustable to 48", white canopy		(Blank) 2" Arm length	
M01B Adjustable to 48", black canopy		A02 4" Arm length	
M02W Adjustable to 72", white canopy		A03 6" Arm length	
M02B Adjustable to 72", black canopy		A04 8" Arm length	
MC Custom (Specify)*		A05 Custom (Specify)*	
		Color of arm matches cylinder housing color	

UP/DOWN		
OPTIONS (Pre-installed when specified)		
CORDS	LENS	OTHER
(Blank) White cord	(Blank) No lens installed	(Blank) No option included
C01 Black Cord	L01 Frosted lens	S01 Anti-bacterial paint (for painted surfaces only)
C02 Low voltage (0-10V) cord, white	L02 Transparent lens	S03 Surge Protector
C03 Low voltage (0-10V) cord, black		

ACCESSORIES (Pre-installed when specified)
BOLSTER PLATE & COVER (WALL MOUNT ONLY)
(Blank) No Bolster Plate & Cover B Bolster Plate & Cover BC Include Bolster Plate & Cover, custom color*

* Consult Factory

††Length of cord matches mounting hardware
For detailed information on options and accessories see separate spec sheets for these items.

Product specifications subject to change without notice.
For the most current spec sheet visit our website www.lumenoptix.com



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC

LED Retrofit Recessed Lay-In



LED Retrofit Recessed Lay-In (LER)



LUMENOPTIX™
Simply Revolutionary™



LED Retrofit Recessed Lay-In

Introducing the LumenOptix LER series. This LED retrofit luminaire for troffers and parabolics is the first of its kind because it combines specification grade features, transformational lighting aesthetics and the ability to install in minutes from below the ceiling within any existing troffer or parabolic luminaire. Add to this, up to 75% in energy savings and the fact that you'll never have to replace a lamp or ballast.

OPTICS:

- Extended acrylic, linear prismatic
- Frosted refractor system is designed to enhance the elegance of any environment

SPECIFICATION GRADE FEATURES

Beveled aluminum extruded frame for superior fit and architectural flair.

INSTALLATION

Lift and shift tool-less installation system from below the ceiling installs in minutes.

APPLICATIONS:

- Schools
- Offices
- Hospitals
- Retail
- Airports
- Hotels
- Conference Centers



Scan the QR code to view our installation video or go to www.lumenoptix.com/simply-revolutionary





LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

LER1

LED RETROFIT TROFFER/PARABOLIC SERIES 2x2, 2x4



SPECIFICATIONS

- Construction: All aluminum post-painted high reflectance textured white paint.
- LED System: Highly efficacious, long-life LED modules
- Frame: Extruded aluminum frame.
- Mounting: Lift and shift installation.
- Color Rendering Index (CRI): >80 (Consult factory for higher CRI)
- Correlated Color Temp. (CCT): 2700k, 3000k, 3500k, or 4000k
- Rated Life (L70): 50,000 hours
- Voltage: 0-10V Step Dimming
- Nominal system wattage:

2x2	2x4
2500 lumens – 20 watts	3200 lumens – 30 watts
3000 lumens – 30 watts	4200 lumens – 40 watts
4000 lumens – 40 watts	5100 lumens – 50 watts
4800 lumens – 50 watts	8000 lumens – 80 watts
	9100 lumens – 90 watts

OPTIONS

- Emergency Ballast
- Surge Protector

FEATURES

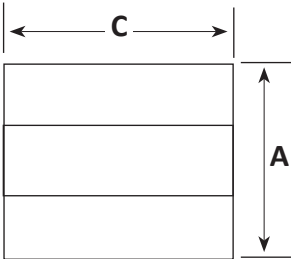
- Proprietary lens design creates upgraded architectural appearance with exceptional visual acuity
- Class A appearance before or after illumination
- Universal compatibility upgrades any fluorescent troffer or parabolic
- Provides up to 75% in energy savings allowing the lowest life cycle cost
- Beveled anodized framing for superior fit and architectural flair
- Lift and Shift tool-less installation system from below the ceiling
- Lightweight aluminum housing provides corrosion resistance and superior thermal management
- CRI greater than 82 for vivid color rendering
- Color consistency less than three McAdams Ellipse insuring very little deviation
- **Made in the USA, complies with ARRA and Buy American Act**



Scan this QR code or go to
<http://lumenoptix.com/videos>
 to watch a brief installation video

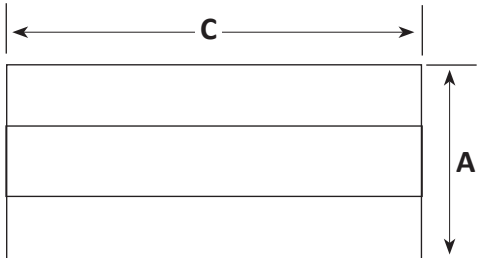
LED RETROFIT RECESSED LAY-IN

2x2 TOP VIEW

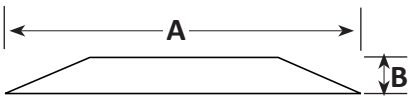


	Width (A)	Height (B)	Length (C)
2x2	23.75"	2.90"	23.00"
2x4	23.75"	2.90"	47.00"

2X4 TOP VIEW



END VIEW



MODEL NUMBER INFORMATION

LER1	-		-		-		-	
SERIES	SIZE	LUMEN PACKAGE		CRI & COLOR TEMP.	FRAME COLOR	DIMMING		
LER1 LED Retrofit Series	2 2' x 2'	20 2500 lumens	30 3200 lumens	8030 3000k	(Blank) Clear Anodized	(Blank) 0-10V Step Dimming		
	4 2' x 4'	30 3000 lumens	40 4200 lumens	8035 3500k	FW White (Painted)*			
		40 4000 lumens	50 5100 lumens	8040 4000k	FC Custom*			
		50 4800 lumens	80 8000 lumens	8050 5000k				
			90 9100 lumens					

	-	
OPTIONS <i>(Pre-installed when specified)</i>		
EMERGENCY LIGHTING	OTHER	
(Blank) No emergency battery back-up installed	(Blank) No option included	
EB02 Philips Bodine Emergency battery back-up	S01 Anti-bacterial paint (for painted surfaces only)	
	S02 Surge Protector	
* Consult Factory		

For detailed information on options and accessories see separate spec sheets for these items.

FIXTURES CANNOT BE SHIPPED WITH CORDS PRE-INSTALLED.
CORDS MUST BE ORDERED SEPARATELY AND ASSEMBLED IN THE FIELD.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC

LED Enclosed & Gasketed



LED Enclosed & Gasketed (LV6, LVK)



LUMENOPTIX™
Simply Revolutionary™



LED Enclosed & Gasketed

Our Enclosed & Gasketed LED “V” series provides a water tight seal for indoor or outdoor areas that are subjected to harsh environments or frequent cleaning. The Enclosed & Gasketed “V” series offers innovative body designs with reflector configurations that maximize space, light output, and safety. Some recommended applications include parking garages, food processing, docking areas, or wash down areas.

Scan the QR code to view our installation video or go to www.lumenoptyx.com/simply-revolutionary

OPTICS:

100% UV stabilized poly-carbinate diffusers.



HOUSING:

- Durable low profile body designs
- Wet location approved
- Protection from most harsh environments
- Completely enclosed



APPLICATIONS:

- Warehouse/ Distribution
- Manufacturing
- Outdoor
- Conditioned
- Parking Garages
- Loading Docks
- Wash Down Areas
- Food Processing





LUMENOPTIX

LV6

WET LOCATION

LV6 SERIES (ENCLOSED & GASKETED)

LED

Asymmetrical or Symmetrical Beam

2', 4'



SPECIFICATIONS

- Construction: Housing is constructed of UL 5VA Fiberglass (will not melt or burn). Weatherability (f1) rated. Water exposure and immersion in accordance with UL 746. Guardian Seal™ provides the most advanced sealing system available.
- Lens: 100% UV stabilized poly-carbonate diffuser that eliminates glare. 100% impact modified acrylic.
- Optics: Formed aluminum in asymmetrical and symmetrical beam spreads. Enhanced specular finish.
- LED System: High efficiency LED boards. 0-10V dimming capabilities come standard.
- Rated Life (L70): 70,000 hours at 30°C
- Color Rendering Index (CRI): >80
- Correlated Color Temp. (CCT): 4100k
- Voltage: 0-10V Step Dimming
- Nominal system wattage (3500 and 4100k):

2'	4'
2500 lumens – 20 watts	3200 lumens – 30 watts
3100 lumens – 30 watts	4200 lumens – 40 watts
4300 lumens – 40 watts	5000 lumens – 50 watts
5000 lumens – 50 watts	8000 lumens – 80 watts
	9100 lumens – 90 watts

See technical data chart for CRI, Power Factor, and THD ratings.

OPTIONS

- Surge Protector
- Sensors

FEATURES

- Precision optics
- Light weight, wash down design with Guardian Seal™
- Fiberglass body for fire resistance
- Stainless steel latches
- One knock-out at each end with plugs
- 2' and 4' configurations
- Diffusers resist breakage
- Enhanced specular reflectors available in 2 beam spreads - asymmetrical and symmetrical
- CSA, IP65, IP67, NSF, 1500PSI certified
- **Made in the USA, complies with ARRA and Buy American Act**



ACCESSORIES

- Surface mounting hardware
- Chain mounting hardware
- Trunion mounting hardware
- Pivot mounting hardware

WET LOCATION

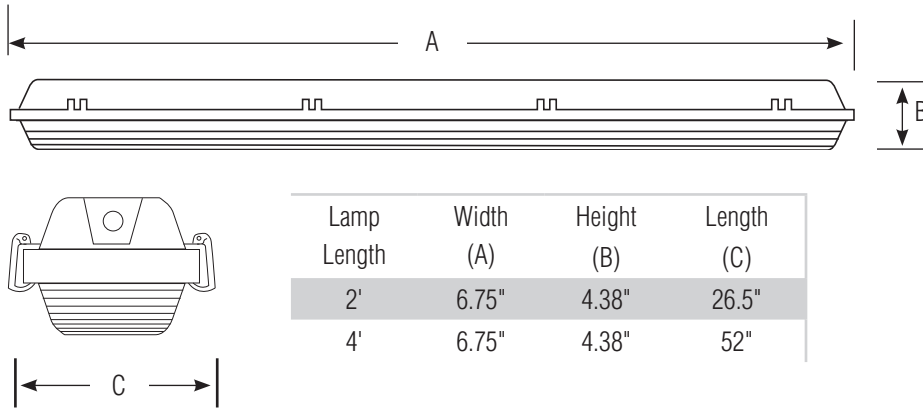
LV6 SERIES (ENCLOSED & GASKETED)

LED

Asymmetrical or Symmetrical Beam

2', 4'

FIXTURE CONFIGURATIONS



Lamp Length	Width (A)	Height (B)	Length (C)
2'	6.75"	4.38"	26.5"
4'	6.75"	4.38"	52"

MODEL NUMBER INFORMATION

LV6						
SERIES	SIZE	LUMEN PACKAGE		CRI & COLOR TEMP.	BEAM SPREAD	DIMMING
		2'	4'			
LV6	2	20	30	8227	W	(Blank)
LED LV6	2'	2500 lumens	3100 lumens	2700k	Wide	Frosted
Series	4	30	40	8230	A	L02
	4'	3100 lumens	4300 lumens	3000k	Asymmetrical	Transparent
		40	50	8235		
		4300 lumens	5000 lumens	3500k		
		50	80	8240		
		5000 lumens	8000 lumens	4000k		
			90	9227		
			9100 lumens	2700k		
				9230		
				3000k		
				9235		
				3500k		
				9240		
				4000k		

OPTIONS (Pre-installed when specified)		ACCESSORIES (Not pre-installed when specified) Order as separate line items	
CONTROLS	LATCHES	MOUNTING HARDWARE	
(Blank) No controls provided	(Blank) Clear acrylic	(Blank) No Mounting Hardware included	
CD Step Dimming Controls	H01 Silicone secure-lock	M01 Surface mounting hardware included	
	H02 Stainless steel secure-lock	M02 Chain mounting hardware included	
	H03 Silicone tamper proof	M03 Trunion mounting hardware included	
	H04 Stainless steel tamper proof	M04 Pivot mounting hardware included	

* Consult Factory



LUMENOPTIX™
Simply Revolutionary™



LUMENOPTIX

LVK

WET LOCATION LVK SERIES (ENCLOSED & GASKETED) LED Extra-Wide Beam Reflector



SPECIFICATIONS

- **Construction:** Housing is constructed of a combination of heavy gauge aluminum extrusion and stainless steel with a clear anodized finish. The unit is extremely lightweight (16 pounds) and the lower compartment opens for electrical connections and installation.
- **Lens:** The lens is injected molded polycarbonate with a UV inhibitor and a gasketed seal. The unit has an IP rating of 66 and has an operating temperature ranging from -40° C to 55°.
- **Optics:** The patented LVK optical design allows for the widest spread of light possible.
- **LED System:** Utilizes a high efficiency light engine combined with a high performance driver to maximize power utilization.
- **Rated Life (L70):** 70,000 at 30°C
- **Color Rendering Index (CRI):** >80
- **Voltage:** 120-277V
- **Correlated Color Temp (CCT) and Nominal System Wattage:**
 - 5200 lumens – 86 watts
 - 6300 lumens – 86 watts

See technical data chart for CRI, Power Factor, and THD ratings.

OPTIONS

- Step Dimming Controls

FEATURES

- Patent pending
- Provides up to 75% in energy savings
- Optics allow for replacement of (2) existing HID's with (1) VK Series
- IP 66 rating ensuring that the unit is weather resistant
- Controlled up-light reduces undesirable cave effect
- Long life virtually eliminates maintenance costs
- Sealed light engine has no air intake and no internal cleaning needed
- Patented thermal management design allows for maximum component life
- Contains no lead or mercury
- 5 year warranty
- Commercial, industrial (Non) IC applications
- **Made in the USA, complies with ARRA and Buy American Act**

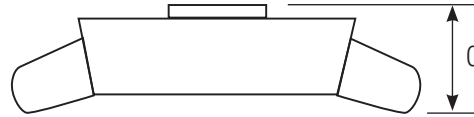
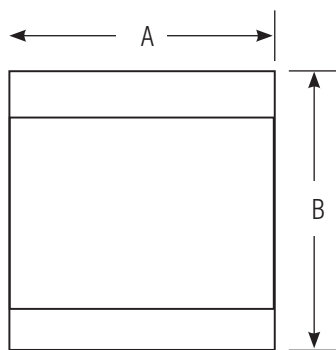


ACCESSORIES

- J-box mounting hardware
- Surface mounting hardware
- Pendant mounting hardware

WET LOCATION LVK SERIES (ENCLOSED & GASKETED) Extra-Wide Beam Reflector

FIXTURE CONFIGURATIONS



Width (A)	Height (B)	Length (C)
11.00"	12.50"	4.375"

MODEL NUMBER INFORMATION

LVK	6		E		
SERIES	SIZE	LUMEN PACKAGE	BEAM SPREAD	DIMMING	HOUSING COLOR
LVK LED LVK Series	6 6'	5241 5200 lumens, 4100k 6350 6300 lumens, 5000k	E Extra wide	(Blank) Dimming Low Voltage (0-10V, 120V)* D1 Dimming Low Voltage (0-10V, 277V only) D2 Dimming Powerline (2 Wire, 120V)* D3 Other Voltage/Protocol Dimming* D5 Some are 120-277V*	(Blank) Silver HC Custom (Specify)*

OPTIONS (Pre-installed when specified)

CONTROLS

- (Blank)
No controls provided
- CD
Step Dimming Controls

* Consult Factory

ACCESSORIES (Not pre-installed when specified) Order as separate line items

MOUNTING HARDWARE

- (Blank)
No Goof Ring included
- MO1
Surface mounting hardware included
- MO2
Chain mounting hardware included
- MO3
Trunion mounting hardware included
- MO4
Pivot mounting hardware included



LUMENOPTIX™
Simply Revolutionary™



LED ACCESSORIES REMODEL RING FOR LRD

SPECIFICATIONS _____

- Construction: Aluminum, finish is anodized unless noted as painted.
- Mounting: Rests on top of existing ceiling.

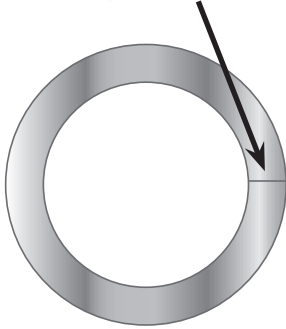
FEATURES _____

- Tool-less installation from below ceiling
- For ceiling without a rough-in kit
- Available sizes for LRD6, LRD8, LRD10
- Made of galvanized steel
- **Made in U.S.A. of U.S. and imported parts, ARRA compliant**

INSTALLATION _____

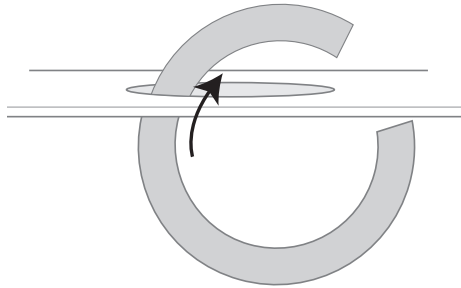
STEP 1

Press on split in remodel ring



STEP 2

Guide into position from under the ceiling through ceiling hole.

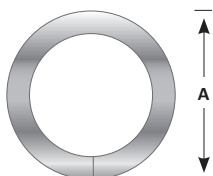


STEP 3

Rest remodel ring on top of ceiling in position centered over ceiling hole.



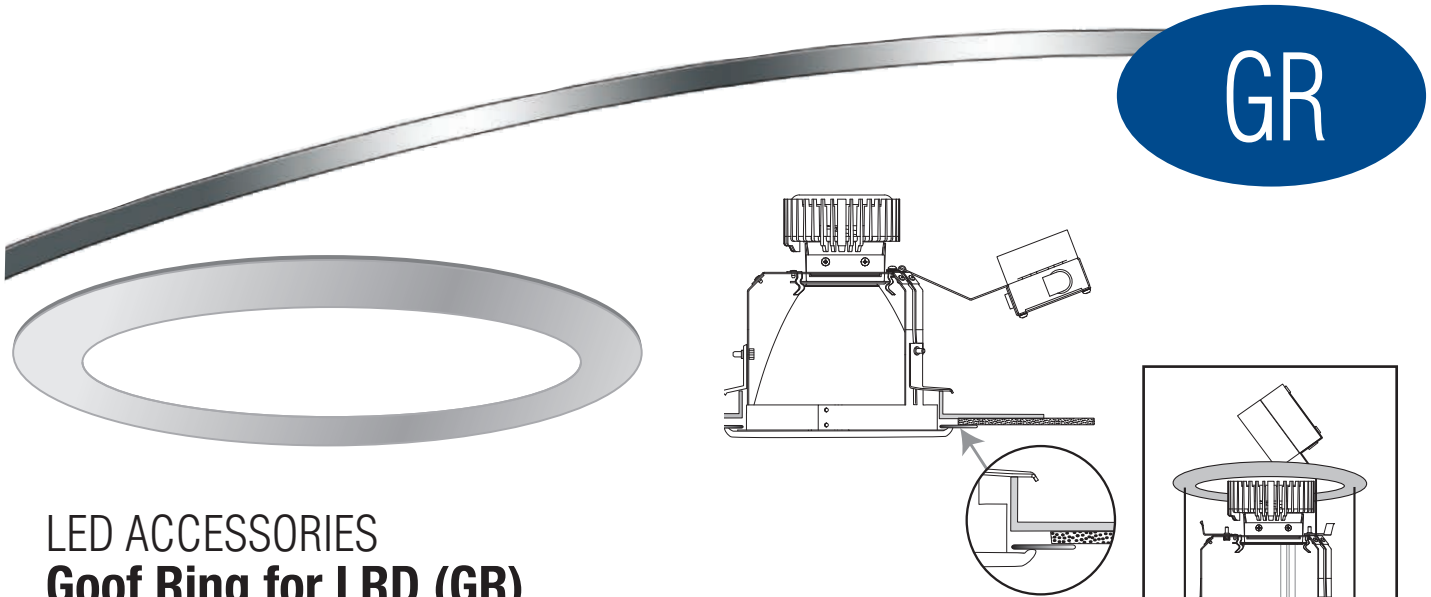
DIMENSIONS _____



	6"	8"	10"
A OUTER DIMENSIONS	8.25"	10"	13"

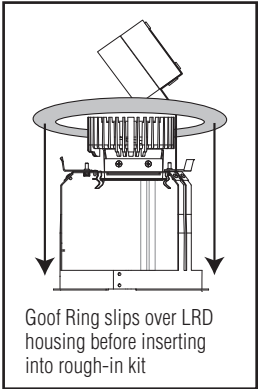
MODEL NUMBER INFORMATION _____

SERIES
R6 Remodel Ring for LRD6
R8 Remodel ring for LRD8
R10 Remodel Ring for LRD10



LED ACCESSORIES
Goof Ring for LRD (GR)

Designed to assist in aesthetics when existing downlight hole is not cleanly cut or hole diameter is larger than standard.



Goof Ring slips over LRD housing before inserting into rough-in kit

SPECIFICATIONS _____

- Construction: Aluminum, finish is anodized unless noted as painted.
- Mounting: Installs on top of LRD housing flange. Goof Ring slips over LRD housing before inserting into rough-in kit

FEATURES _____

- Tool-less installation from below ceiling
- Covers flaws, or oversized holes in existing ceilings
- Available sizes for LRD6, LRD8, LRD10
- Made in U.S.A. of U.S. and imported parts, ARRA compliant

DIMENSIONS _____

- GR6 = 8" OD fits LRD6
- GR8 = 10" OD fits LRD8
- GR10 = 13" OD fits LRD10

MODEL NUMBER INFORMATION _____

GR				
SERIES	SIZE	FINISH	COLOR (ANODIZED)	OPTIONS (Pre-installed when specified)
GR Goof Ring	6 6" compatible with LRD6 8 8" compatible with LRD8 10 10" compatible with LRD10	S Specular M Semi-specular D Diffused	A Clear (Matches flange color) Z Bronze B Black (painted) K Gold G Graphite H Warm Haze P Pewter T Wheat S Straw W White (painted) C Custom*(painted)	(Blank) No option included S01 Anti-bacterial paint (for painted surfaces only)

* Consult factory



LED Case Studies

Regardless of your industry, LumenOptix will maximize your savings by optimizing a lighting system for your specific lighting and application needs. Whether it is interior or exterior, racked aisle, or wide-open space, gymnasium or ice rink, parking garage or maintenance shop, you will maximize your return on investment when you choose LumenOptix. Some case studies follow that showcase the energy and financial savings of some of LumenOptix loyal customers.

EDUCATION

University of Georgia / Tifton Conference Center
Tifton, GA

ANNUAL ENERGY SAVINGS 85%

The existing downlights in the USA Tifton Conference Center are 300 watt, incandescent, at varying mounting heights from 30"-34". These downlights were difficult to maintain as access to replace lamps and perform maintenance required workers to reach above the ceiling. The long life of the incandescent often required replacements every 6 years. LumenOptix installed 30" LED Retrofit Downlights, 180-120 2800K Lumens 4000K Kelvin.

The result was extraordinary as the color rendering and overall consistency was greatly improved and the conference center will come a lot on maintenance and energy costs.

LumenOptix™ Solution
30" LED Retrofit Downlight, 180-120 2800K Lumens 4000K Kelvin

Benefits

- Cut energy costs by 85% and maintenance costs by 100%
- Uniform and enhanced light distribution
- Easy installation through existing opening with no damage to plaster ceiling
- Improved visual acuity with the 4000K Kelvin light source and more uniform light distribution

LUMENOPTIX™
Simply Revolutionary™

Call 1.888.675.6789 ETC
Division of the U.S. 225-675.2629
www.LumenOptix.com 8888 LumenOptix LLC

MEDICAL

Sentara Medical Center
Smithfield, VA

Sentara Medical Center had made the decision to install another manufacturer's LED downlights. After two years the lights began to fail because of poor thermal management design that ultimately caused the downlight drivers to fail. The staff at Sentara turned to LumenOptix™ and our industry proven LED 8" Downlight Retrofit, 180-8" for a quick change-out of their downlights. Sentara now has quality lighting that saves them a lot of expense in maintenance costs. They've also eliminated the safety issues associated with the previously failing lights.

LumenOptix™ Solution
8" LED Retrofit Downlight, 180-8 2000 Lumens 4000 Kelvin

Benefits

- More even lighting distribution due to low distance reflector finish
- Maintenance-free solution
- Each LED Retrofit Downlight took less than 10 minutes to install

The medical center now lit up with another manufacturer's failing LED downlights. With the ETC's quick install and quality optics, we improved their lighting and provided a dependable solution.

LUMENOPTIX™
Simply Revolutionary™

Call 1.888.675.6789 ETC
Division of the U.S. 225-675.2629
www.LumenOptix.com 8888 LumenOptix LLC



LUMENOPTIX™
Simply Revolutionary™

Sentara Medical Center

Smithfield, VA



Sentara Medical Center had made the decision to install another manufacturer's LED downlights. After two years the lights began to fail because of poor thermal management design that ultimately caused the downlight drivers to fail. The officials at Sentara turned to LumenOptix™ and our industry proven LED 8" Downlight Retrofit, LRD 8", for a quick change-out of their downlights. Sentara now has quality lighting that saves them a lot of expense in maintenance costs. They've also eliminated the safety issues associated with the previously failing lights.

LumenOptix™ Solution

8" LED Retrofit
Downlight, LRD8
2000 Lumen
4000 Kelvin



Benefits

- More even lighting distribution due to low-iridescent reflector finish
- Maintenance-free solution
- Each LED Retrofit Downlight took less than 10 minutes to install



The medical center was illuminated with another manufacturer's failing LED downlights. With the LRD's quick install and quality optics, we improved their lighting and provided a dependable solution.



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Arkansas Children's Hospital

Little Rock, AR

ANNUAL
ENERGY SAVINGS

75%

The canopy area to the entrance of the Arkansas Children's Hospital was lit with 100 watt mercury vapor downlights creating an undesirable greenish hue and unsanitary conditions with bird and insect access. The mercury vapor lamps required frequent and costly replacements as well as the high cost to operate.

LumenOptix™ Solution

8" LED Retrofit
Downlight, LRD8
2000 Lumen
4000 Kelvin



Benefits

- Increased light output by well over 50%
- Improved color rendering with the LRD's 80CRI
- Maintenance-free
- Each LED Retrofit Downlight took less than 10 minutes to install



BEFORE



AFTER

The LumenOptix turned up edge creates a clean look and the reflectors tight fit eliminates bird and insect access.



BEFORE

The mercury vapor on the left creates a greenish hue compared to the whiter, brighter, crisper look of the LumenOptix LED Retrofit Downlight on the right.



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



University of Georgia / Tifton Conference Center

Tifton, GA

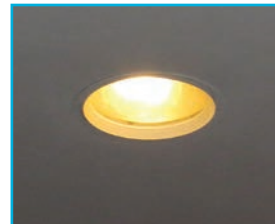
**ANNUAL
ENERGY SAVINGS**

85%

The existing downlights in the UGA Tifton Conference Center are 300 watt, incandescents, at varying mounting heights from 10'-14'. These downlights were difficult to maintain as access to replace lamps and perform maintenance required workers to work above the ceiling. The lamp life of the incandescents often required replacements once a year. LumenOptix installed maintenance free 2800 lumen 10" LED Retrofit Downlights, LRD10 with a medium beam spread for ideal illumination. The result was extraordinary as the color rendering and overall consistency was greatly improved and the conference center will save a lot on maintenance and energy costs.

LumenOptix™ Solution

10" LED
Retrofit Downlight,
LRD10
2800 Lumen
4000 Kelvin



The 300 watt incandescent on the left created a yellow hue compared to the whiter, brighter, crisper look of the LumenOptix LED Retrofit Downlight on the right. The precise fit of the LRD demonstrates the architectural upgrade design.

Benefits

- Cut energy costs by 85% and maintenance costs by 100%
- Uniform and enhanced light distribution
- Easy installation through existing opening with no damage to plaster ceiling
- Improved visual acuity with the 4000 Kelvin light source and more uniform light distribution



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



General Growth Properties

Westroads Mall

Omaha, NE

ANNUAL
ENERGY SAVINGS
75%

Westroads Mall, with over 135 stores, is the largest mall in Nebraska with over 2,100 downlights. Changing out lamps is an expensive and a disruptive task for the retail environment and often management waits for several lamps to expire for this reason. In addition the existing compact fluorescent downlights provide poor quality lighting as the lumen output degrades over just a short period of time. The LRD was an ideal solution as it retrofit right into the existing rough-in kits with no mess or fuss and will now provide consistent maintenance-free lighting.

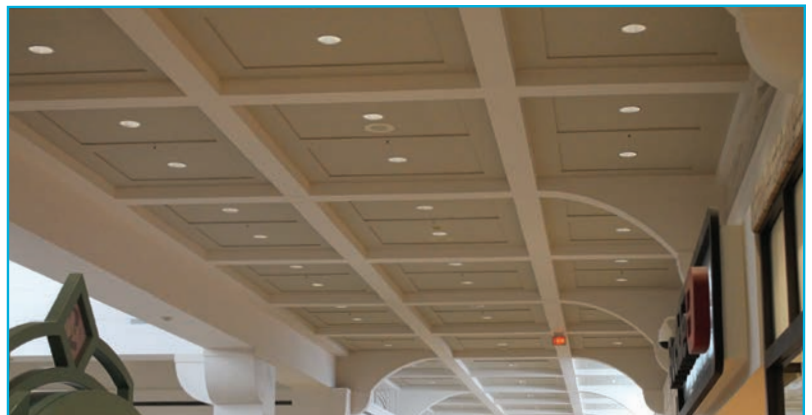
LumenOptix™ Solution

LRD8, 2000 lumen, 30 watt, 3500k LED Retrofit Downlights



Benefits

- Significant maintenance savings with no lamps to replace in the future
- Significant installation savings with no damage to the ceiling and less than 10 minutes each to install
- Increased light output by well over 50%
- Improved color rendering with consistent light output



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Amtrak Train Stations

Nationwide

ANNUAL ENERGY SAVINGS

75%

With 21,000 route miles in 46 states, the District of Columbia and three Canadian provinces, Amtrak operates more than 300 trains each day to over 1,200 train stations. Their train stations were in need of improved lighting conditions and energy savings.

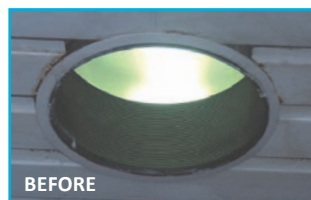
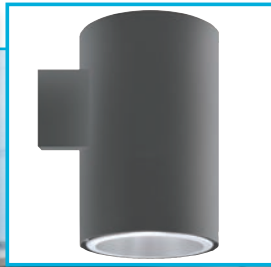
For example the previous lighting at the New Carrollton station in Maryland consisted of 100-400 watt mercury vapor and metal halide downlights mounted 10-15' high as well as wall-mount cylinders. These lighting fixtures were on 24/7 offering poor lighting conditions and were expensive to maintain. Upgrading to LED and the simple installation of the LumenOptix™ LRD and CLS provided over 75% in energy-saving and requires no maintenance.

LumenOptix™ Solution

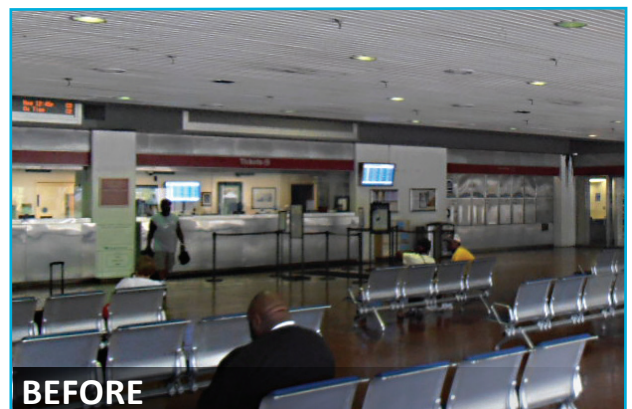
8" LED Retrofit Downlights, LRD8, 4000 lumen, 4000k



10" LED Cylinder, CLS10, 2000 lumen, 3500k



The existing ceiling and downlights were dingy and the fit poorly. The LRD with goof ring accessory was a perfect solution.



The large ticketing area was lit with mercury vapor and metal halide lamps. The light levels were poor and color inconsistent, creating a dingy environment that was expensive to maintain.

Benefits

- Increased light output by well over 50%
- Improved color rendering with 82CRI
- Maintenance-free
- Each fixture took less than 10 minutes each to install



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC




FLUORESCENT Lighting

Fluorescent Lighting



Precision Optics...

Being The Best Doesn't Just Happen



Precision Optics is what enables LumenOptix™ to provide you with the greatest energy efficiency and savings. Energy savings and lighting are maximized when you get the most light out of a fixture. Each time a light beam bounces within a luminaire, 5% of its light output is lost. The number of bounces is dictated by the precision of the reflector design. LumenOptix™ uses precision optics to optimize reflector design and luminaire optics.

In addition, to ensure that the precision optics engineered in the design process are not lost during manufacturing, LumenOptix™ uses machinery and materials to preserve the accuracy of the design and minimize the diffusion of light. With the proper design and using precision tools and the proper reflector material, less light gets captured in the luminaire and the number of bounces of light are minimized. LumenOptix's manufacturing capabilities produces reflectors that are engineered to the tenth of a degree for bending angles, and to the thousandth of an inch for facet length.

Precision Optics is something we take very seriously at LumenOptix™ because we know the quality and energy efficiency of our lighting is important to you.





LUMENOPTIX™

How To Design A Better Fixture...

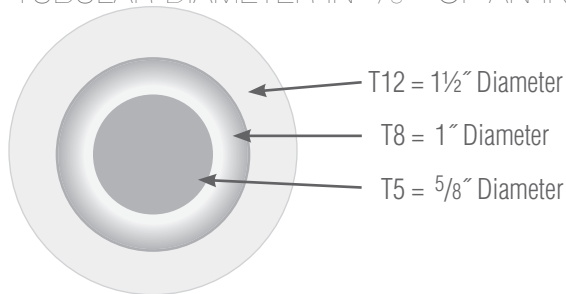


START WITH A BETTER LAMP

Use a powerful lamp that maintains light output, is rated for 35,000 hours, and is small in diameter to allow the design of accurate reflectors.

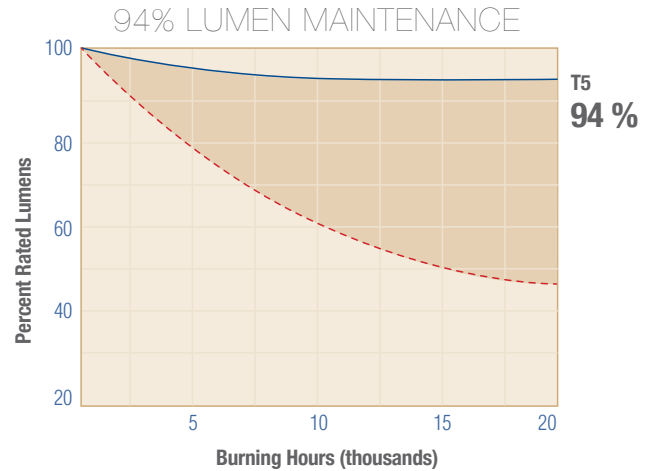
Millions of T5HO lamps have been installed over the past 10 years. They have proven to be a cost-effective reliable light source and are optimal for extremely efficient reflector designs. Additionally, T5HO lamps maintain a higher percentage of their lumen output over time.

T=TUBULAR DIAMETER IN 1/8TH OF AN INCH



LUMENOPTIX T5 LAMPS ARE
RATED FOR 35,000 HOURS.

Based on 12 hours per start. ANSI testing "hour rating" is the point at which 50% of lamps have failed.



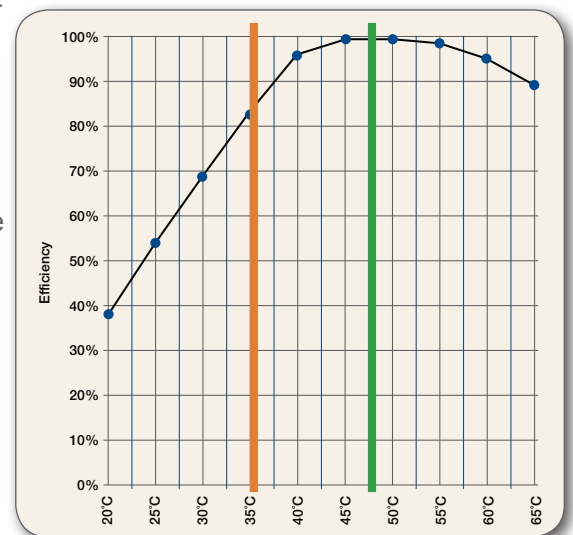
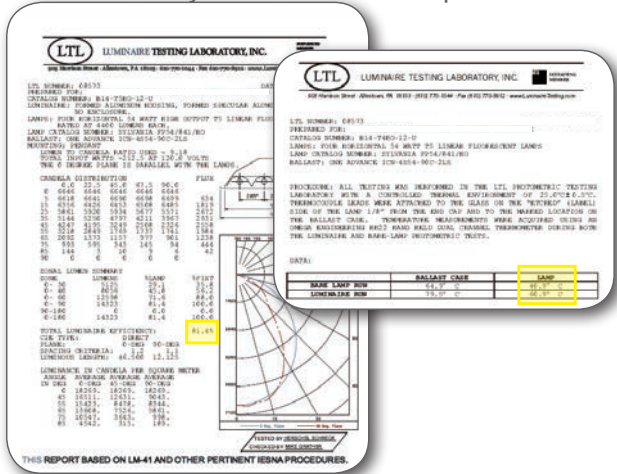
Notice how 400 watt metal halide lamps dip below 50% light output at 15,000 hours.

THERMAL MANAGEMENT:

Goal: Use thermal management techniques to design a fixture for optimal efficiency and peak lumen output.

A popular misconception is that room temperature has to be 35°C/95°F for T5 lamps to peak their lumen output (5,000 lumens). The reality is that the maximum light output of a T5 lamp is when the mercury "cold spot" is 48°C/118°F. LumenOptix applies thermal management techniques to assure that fixtures operate at ideal temperatures.

The lamp cold spot is located 1/8" from the end of lamp and is where excess mercury is stored when lamp is off.



Misconception ■ Reality ■

	81.4%	60.9°C / 142°F
	86.7%	57.0°C / 135°F
	96.2%	48.5°C / 119°F

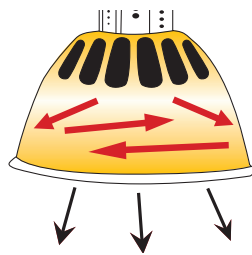
**LUMENOPTIX FURTHER MANAGES
HEAT WITH ALUMINUM BALLAST
COMPARTMENTS**

Lab test for the identical fixture, ballast, and lamp produced the results listed. The only variance was the amount of lamp

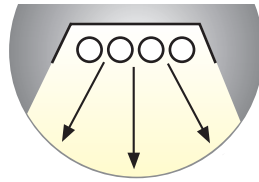
UNDERSTANDING REFLECTOR DESIGN

Goal: Maintain Beam Spread, Minimize bounces, get the maximum light out of fixture.

Fixture efficiency, by definition, is the percentage of total light output of the fixture divided into total light output of just the bare lamps. The measurements are taken on a Gonio photometer and represent how much of the total light gets trapped in the fixture.



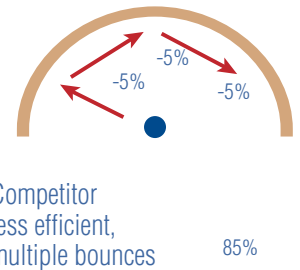
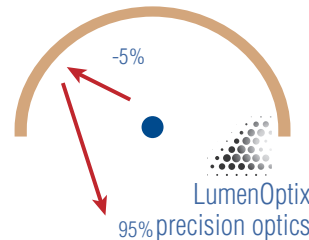
30% trapped
in fixture =
70% efficient



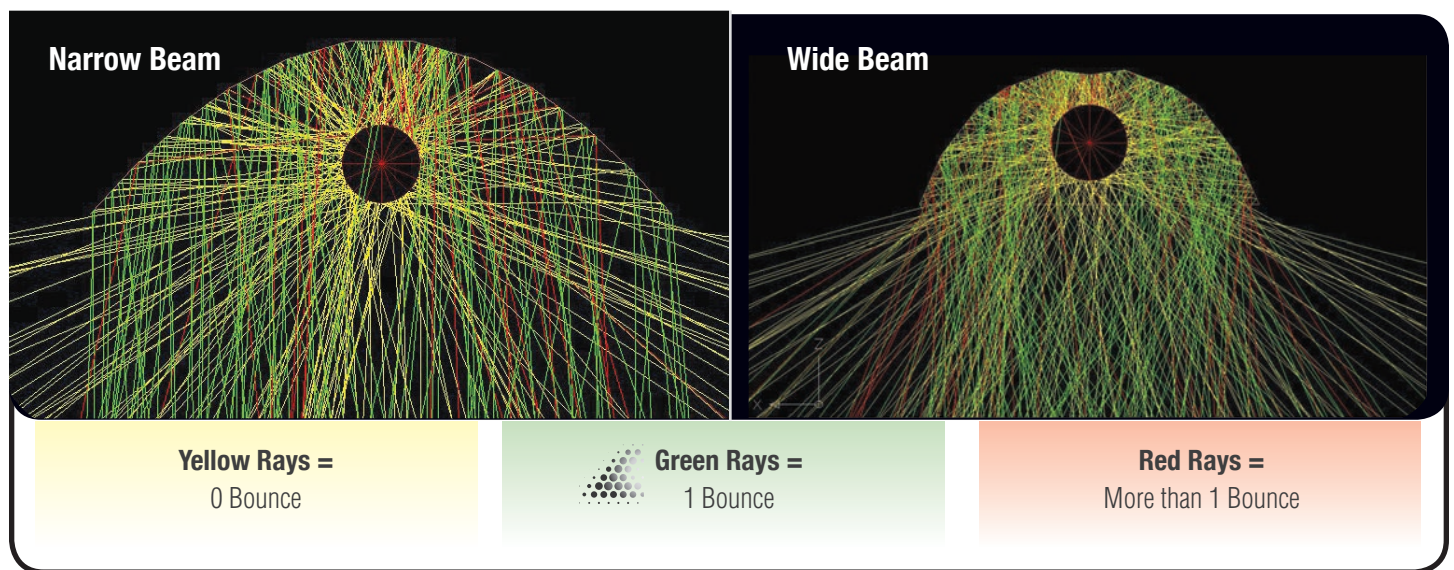
96% efficient
only 4% trapped
in fixture

ONE BOUNCE AND OUT

With 95% reflective material,
each bounce costs 5% light output



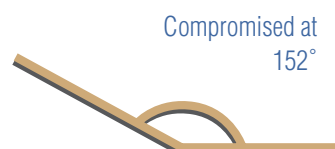
Using "Ray Trace" computer modeling, LumenOptix traces 29,000,000 theoretical rays to calculate beam and



THE DIFFERENCE BETWEEN SUCCESS AND FAILURE

Goal: Use precision tooling to ensure reflector design matches fabrication.

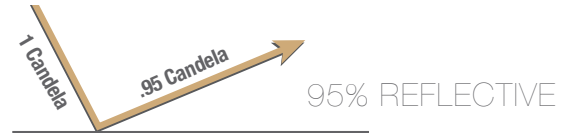
LumenOptix's reflector designs are engineered to the tenth of a degree for bending angles, and to the thousandth of an inch for facet length. If fabrication tolerance does not match design, theoretical efficiencies are not realized. Below was a real world "miss". One angle missed by 2° and the reflector spacing criteria was out of spec. LumenOptix controls this situation by using precise CNC machinery to produce reflectors.



USE THE PROPER REFLECTOR MATERIAL

Goal: Total Reflectivity —The sum of diffuse and specular reflectivity.

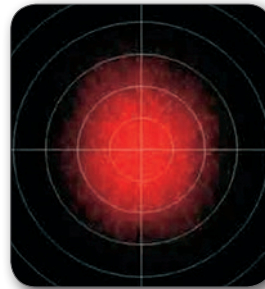
To make accurate reflectors you need to minimize diffusion. Diffusion is when light scatters randomly in a material. LumenOptix uses specular material that is not only highly reflective, but is also minimally diffuse.



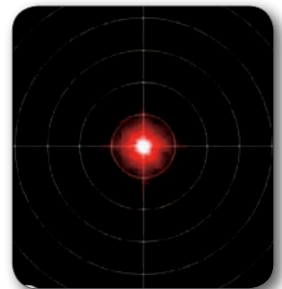
Standard specular material



Enhanced reflector material



Standard diffuse material: laser reflects but scatters



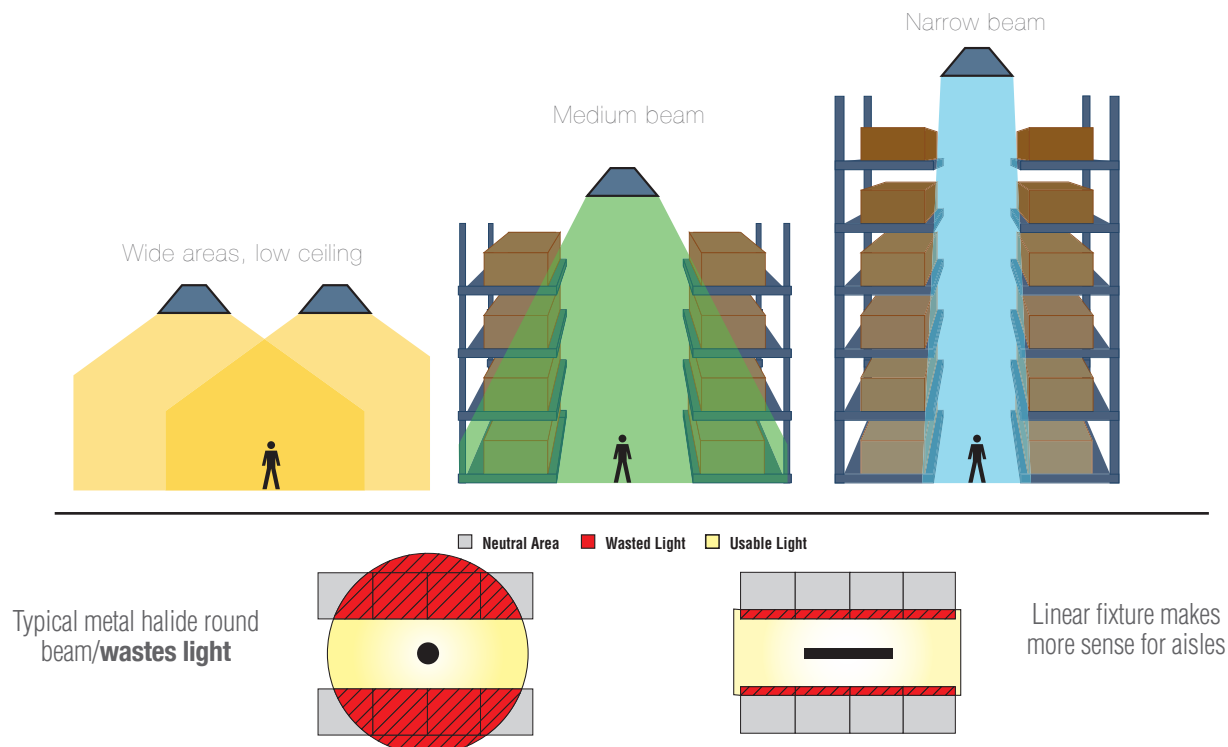
Very accurate specular material: Beams reflect without scattering

LASER SHOWS DIFFUSION

APPLICATION EFFICIENCY / BEAM CONTROL

Goal: Eliminating wasted light in the application, drives further efficiency.

Most lighting manufacturers offer a generic, one-size-fits-all fixture that can provide up to 50% energy savings. LumenOptix delivers lighting systems that are optimized for savings, given a specific facility. By creating a unique, application-specific system for each facility, LumenOptix has delivered savings up to 75% AND improved light levels (*15-25% over anything a competitor can offer*).



END RESULT

Goal: More Foot-Candles for less watts — true efficiency.



TIGHT BEAM CONTROL

2 lamp 117w fixture mounted at 33' on 36' centers.

You can see where the aisles will be prior to rack assembly—notice the accurate beam control.



Competitor Demo
10 foot candles at floor



Demo/using narrow beam
21 foot candles at floor

SAME WATTAGE TWICE THE LIGHT!

Notice the sharp cutoff angles vs. the competitors.

LumenOptix aisle = 21 foot candles

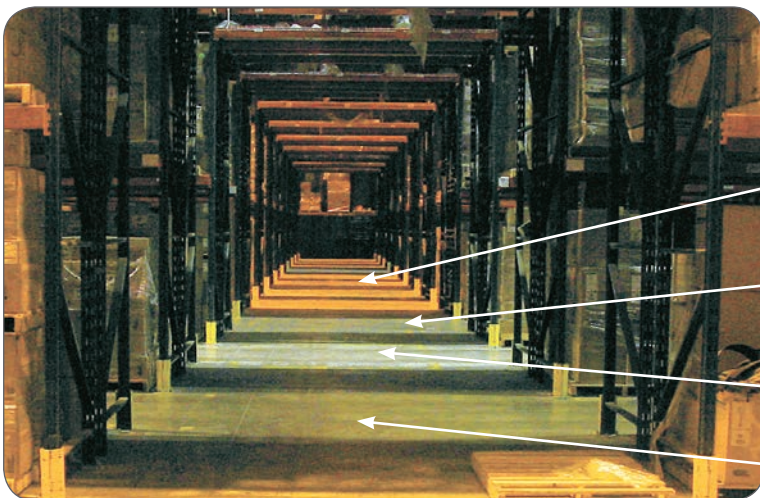
Competitor aisle = 10 foot candles

Better control translates into less energy by eliminating wasted light.

SAME LIGHT HALF THE WATTAGE!

Half the energy for the same light, 46 ft. mount height.

Competitor	226 Watt	Their 6 lamp T8— 6 footcandles
LumenOptix	117 Watt	Our 2 lamp T5HO Narrow Beam — 11 footcandles
LumenOptix	234 Watt	Our 4 lamp T5HO Narrow Beam — 24 footcandles
Competitor	234 Watt	Their 4 lamp T5HO Cookie Cutter — 12 footcandles



(Existing foreground at 46' mounting) - 465 Watt/HiD System

Application Matrix

By Series



Product/Application	Mfr.	Warehouse/ Distribution	Retail	Office	Sports Arena	Conditioned Space	Parking	Outdoor
Architectural Series (AR)								
Channel Series (C4, CD)								
ECO Series (EC)								
Enclosed & Gasketed (V4, V6, VX, VE)								
Full Body (FB)								
Hybrid Series (HY)								
Max Value (MV)								
Recessed Series (RA, RI, RP, RT)								
Refrigeration Series (RF)								
Staggered Channel Series (ST)								
Surface Wraps (SW)								
Unichannel Series (UN)								



LUMENOPTIX™
Simply Revolutionary™

Industrial HIGH BAY

LumenOptix™ has a full range of industrial high bay fixtures for all needs and environments. Our industrial lighting fixtures provide better performance using less energy, fewer lamps and less maintenance than our competition. Our Industrial series employs precision optics to maximize energy efficiency while meeting various levels of lighting specifications. Precision optics provide control of light and luminaire efficiency.

Industrial Environments

- Manufacturing
- Warehouse/Distribution
- Retail
- Sports arenas



LUMENOPTIX™
Simply Revolutionary™

Industrial^{HIGH BAY}

- **Hybrid (HY) series** offers superior precision optics with optimal thermal management to maximize energy savings. The body provides rigidity and durability with an open design.
- **Full Body (FB) series** offers a traditional industrial lighting solution where the ballast and lamps are fully enclosed by an aluminum housing. Precision optics in our most durable design.
- **Unichannel (UN) series** offers premium optics in a more economical body.
- **ECO (EC) series** provides multi-purpose lighting performance in a simple light weight, easy to install fixture.
- **Max Value (MV) series** similar to the EC series but with an open frame design which reduces fixture cost.

Fixture series:

- Hybrid (HY)
- Full Body (FB)
- Unichannel (UN)
- ECO (EC)
- Max Value (MV)



LUMENOPTIX™
Simply Revolutionary™

Hybrid Series



Superior precision optics
and thermal management



Hybrid Series (HY)



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

Hybrid Series



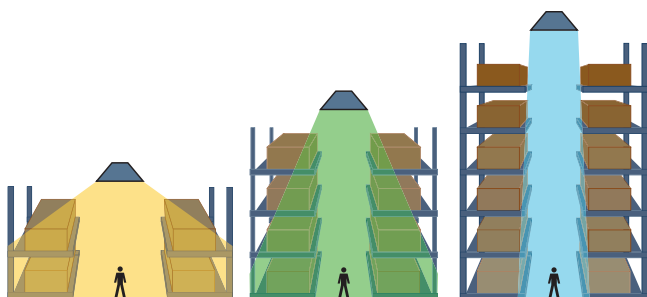
LUMENOPTIX™
Simply Revolutionary™



Superior precision optics
and thermal management

Our unique hybrid design provides precision optics with optimal thermal management. As a result of our most efficient reflectors, a two lamp T5HO narrow beam can replace a 400W metal halide and save up to 75% in energy without additional controls. In addition, the open design allows efficient venting for superior thermal management. The result is the greatest energy savings in the industry.

When superior results are desired, this highly efficient premier product is typically used in warehouses, distribution centers, manufacturing and retail.



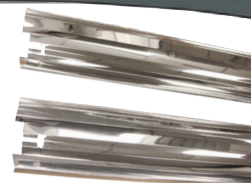
WIDE Beam

MEDIUM Beam

NARROW Beam

REFLECTORS:

- Narrow beam reflector
- Medium beam reflector
- Wide beam reflector



LAMPS:

Multiple fixture configurations available in T5



HOUSING:

- Open design for best thermal management and venting
- Snap down ballast cover
- Tool-less ballast access



APPLICATIONS:

- Warehouse / Distribution
- Manufacturing
- Retail



Industrial High Bay

Hybrid Series (HY)



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

HY

Superior precision optics
and thermal management

HIGH BAY HYBRID SERIES **T5 Narrow** Beam Reflector

SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

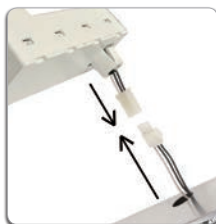
CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	0.4
Luminaire Efficiency:*	99% - 105%	

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Aluminum ballast channel and venting for optimal thermal management
- Swing down door with acrylic lens and/or wire guard available
- Removable cover for tool-less ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Up-light available
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic
Lens Door



Up-light available



Cord Sets



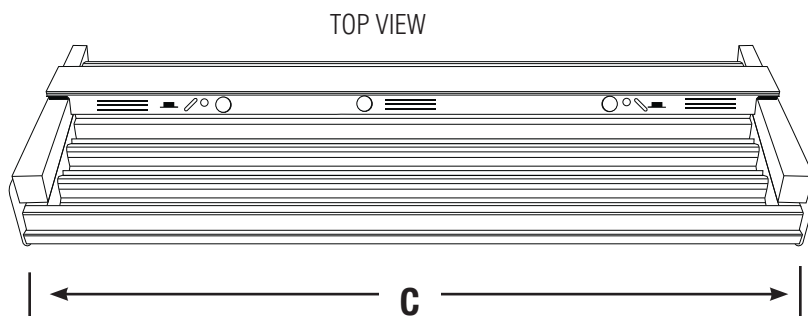
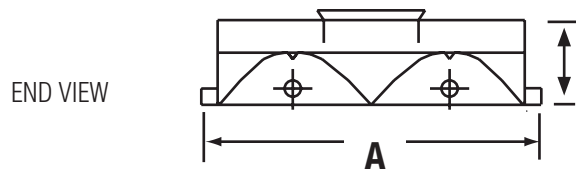
Heavy Duty Hanger



Hinged Wire Guard

HIGH BAY
HYBRID SERIES**T5 Narrow** Beam Reflector

FIXTURE CONFIGURATIONS

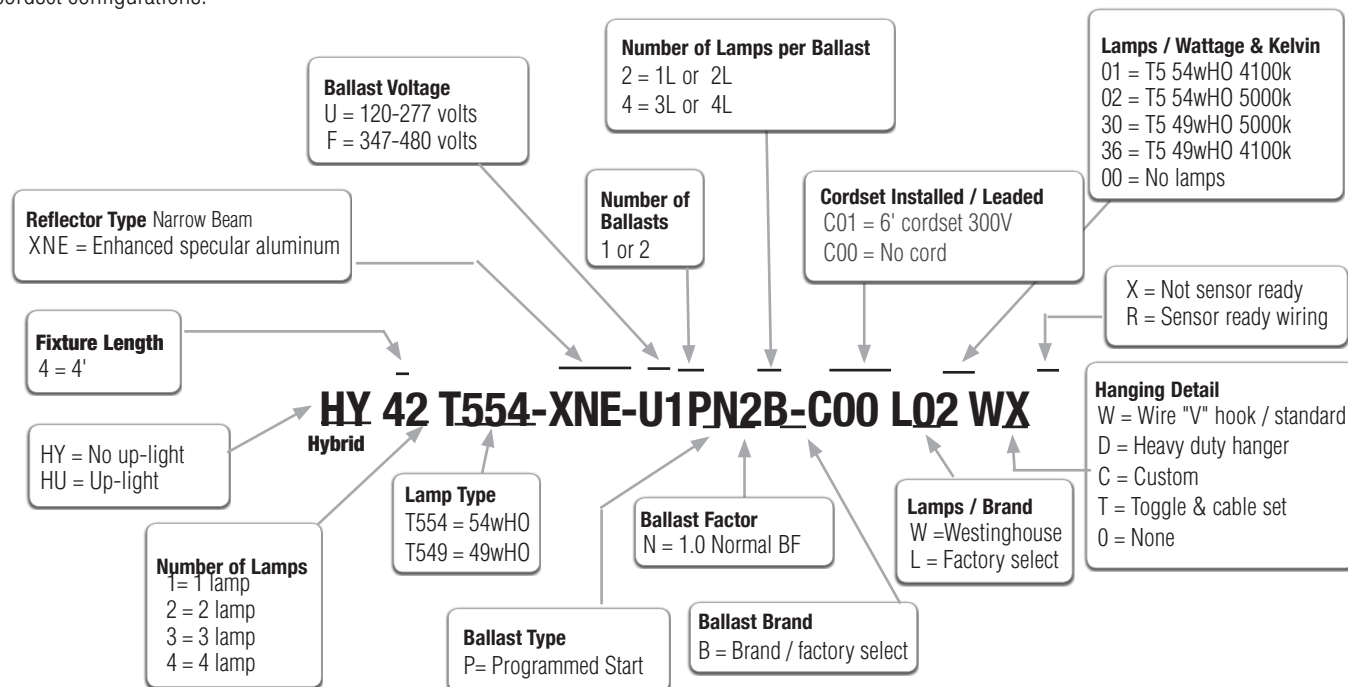


Number of LAMPS	Width (A)	Height (B)	Length (C)
1	7.188"	3.750"	46.250"
2	10.750"	5.500"	46.250"
3	15.250"	5.500"	46.250"
4	19.875"	5.500"	46.250"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_HY_T5_narrR.indd



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

HY

Superior precision optics
and thermal management

HIGH BAY HYBRID SERIES **T5 Medium** Beam Reflector

SPECIFICATIONS

Housing: Formed aluminum body, white powder coat finish
Reflector: Enhanced specular aluminum
Lamp: T5HO 49 or 54 watt linear fluorescent
Ballast: Electronic programmed rapid start, 90°C Rated
Mounting: Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct
Plane:	0-DEG 90-DEG
Spacing Criteria:	1.2 0.8
Luminaire Efficiency:*	92% - 102%

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Aluminum ballast channel and venting for optimal thermal management
- Swing down door with acrylic lens and/or wire guard available
- Removable cover for tool-less ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Up-light available
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic
Lens Door



Up-light available



Cord Sets



Heavy Duty Hanger

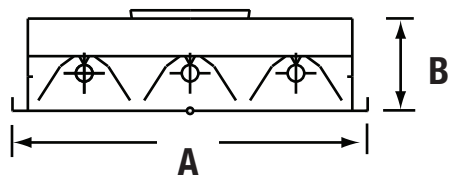


Hinged Wire Guard

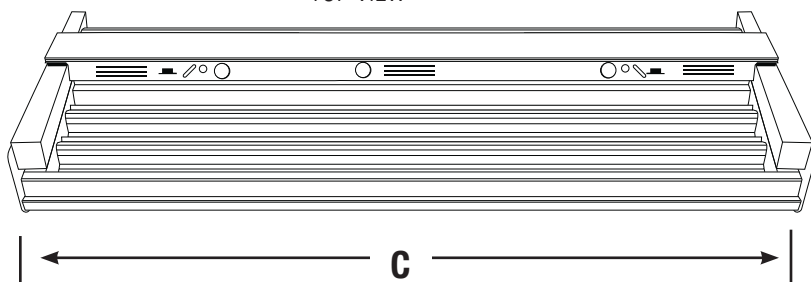
HIGH BAY
HYBRID SERIES**T5 Medium** Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

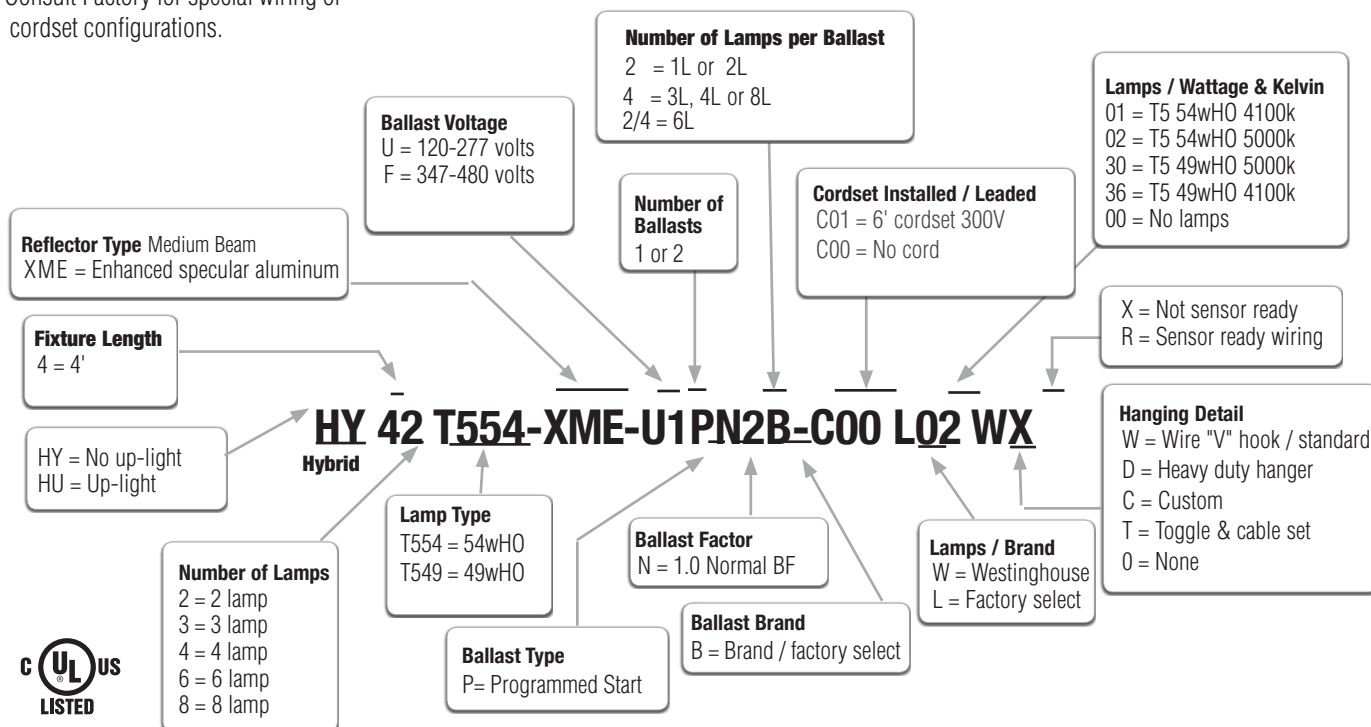


Number of LAMPS	Width (A)	Height (B)	Length (C)
2	7.188"	3.750"	46.250"
3	10.250"	3.750"	46.250"
4	13.125"	3.750"	46.250"
6	19.000"	3.750"	46.250"
8	24.875"	3.750"	46.250"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.

**LUMENOPTIX™**
Simply Revolutionary™Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_HY_T5_med.indd



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

HY

Superior precision optics
and thermal management

HIGH BAY HYBRID SERIES T5 Wide Beam Reflector

SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	1.2
Luminaire Efficiency:*	91% - 95%	

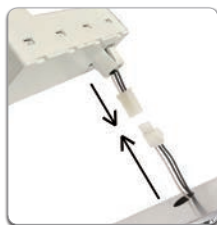
* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Reflectors available in enhanced aluminium or reflector white
- Aluminum ballast channel and venting for optimal thermal management
- Swing down door with acrylic lens and/or wire guard available
- Removable cover for tool-less ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Up-light available
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic
Lens Door



Up-light available



Cord Sets



Heavy Duty Hanger

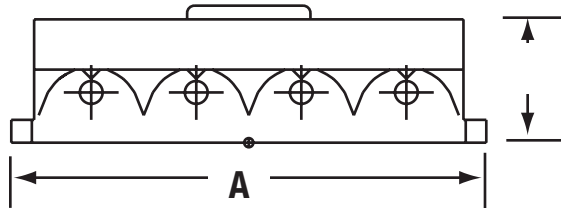


Hinged Wire Guard

HIGH BAY
HYBRID SERIES**T5 Wide** Beam Reflector

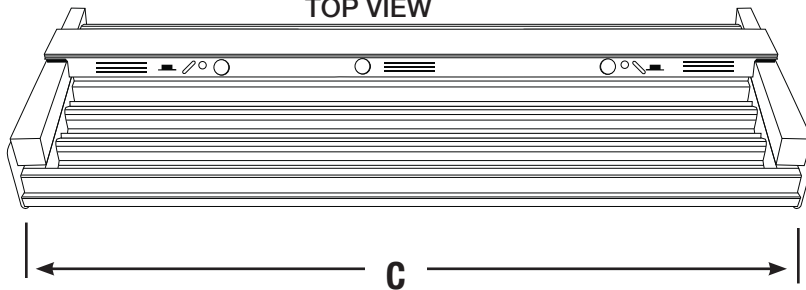
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
2	7.188"	3.750"	46.250"
3	10.250"	3.750"	46.250"
4	13.125"	3.750"	46.250"
6	19.000"	3.750"	46.250"
8	24.875"	3.750"	46.250"

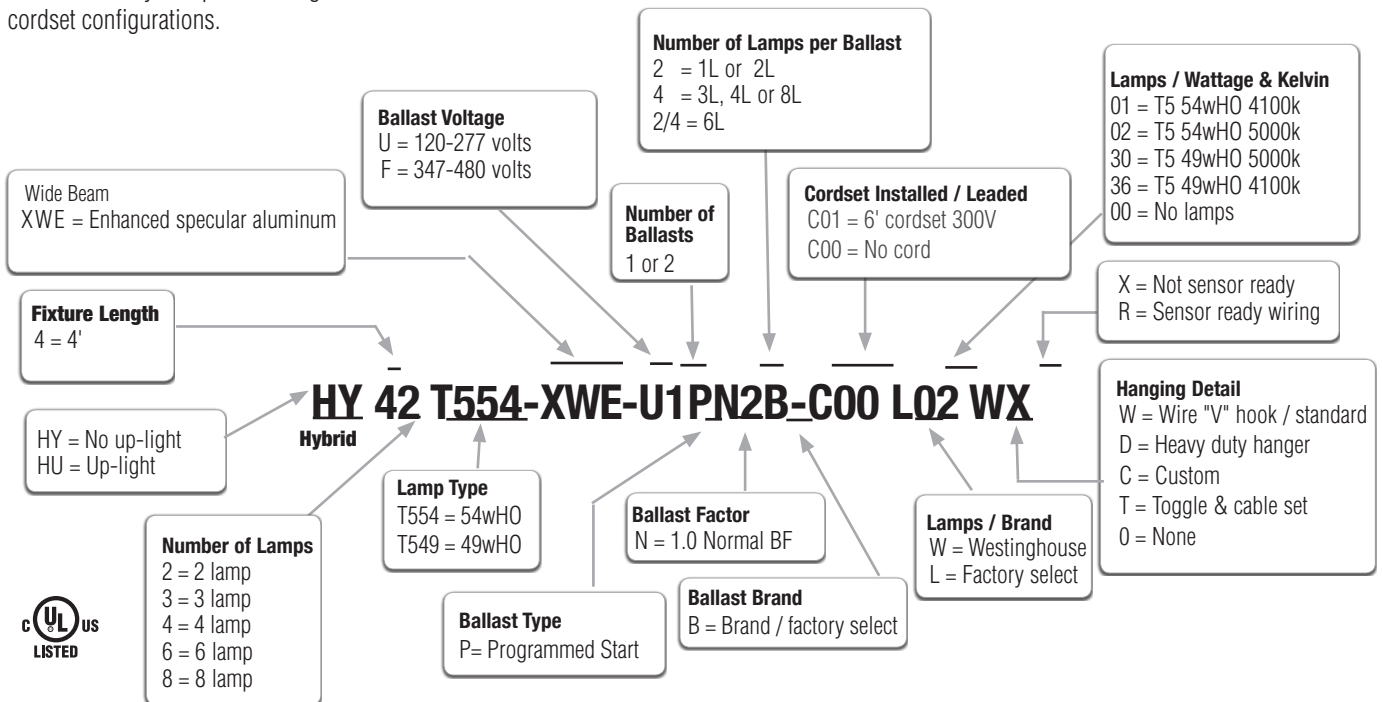
TOP VIEW



MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.

**LUMENOPTIX™**
Simply Revolutionary™Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix-Is.com
© 2013 LumenOptix, LLC / prodsht_HY_T5_wide.indd

Full Body Series

FB

Precision optics in our
most durable design

Industrial High Bay



Full Body Series (FB)



LUMENOPTIX™
Simply Revolutionary™

Full Body Series



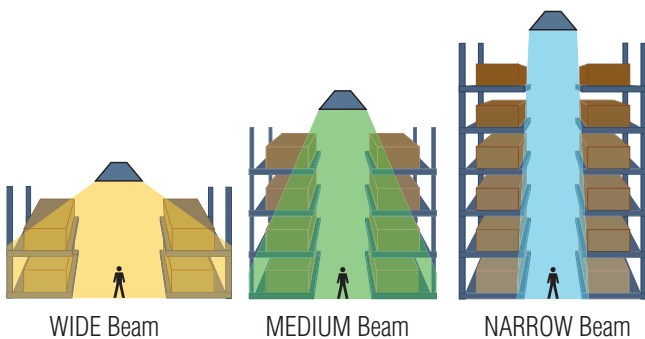
LUMENOPTIX™
Simply Revolutionary™

FB

Precision optics in our
most durable design

Full Body Series offers a broad range of optics in a more durable body, where the ballast and lamps are fully enclosed by an aluminum housing.

Our Full Body Series is our most durable design and is typically used in industrial and retail environments, large open spaces and racked aisles. Our precision optics enables the production of narrow, medium and wide beam options so you can direct the light as needed. Utilizing LumenOptix™ luminaires you can be confident of your energy savings and light quality.



WIDE Beam

MEDIUM Beam

NARROW Beam

REFLECTORS:

- Narrow beam reflector
- Medium beam reflector
- Wide beam reflector
- Broad beam reflector
- General beam reflector



LAMPS:

Multiple fixture
configurations
available in T5 or T8



HOUSING:

- Formed aluminum body
- White powder coat finish
- Tool-less ballast access
- Completely enclosed



APPLICATIONS:

- Warehouse / Distribution
- Manufacturing
- Retail
- Gymnasiums
- Ice rinks



Industrial High Bay

Full Body Series (FB)



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

FB

Precision optics in our most durable design.

HIGH BAY FULL BODY SERIES **T5 Narrow** Beam Reflector



SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	0.4
Luminaire Efficiency:*	97% - 105%	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Aluminum body with venting for best thermal management
- Swing down door with acrylic lens and/or wire guard available
- Tool-less swing down socket bar for easy ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic Lens Door



Cord Sets



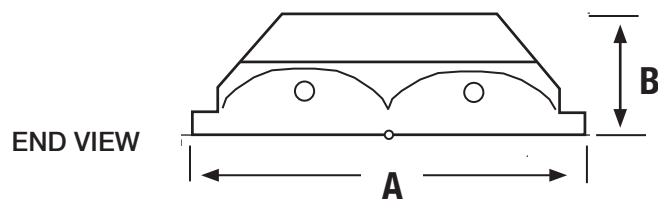
Heavy Duty Hanger



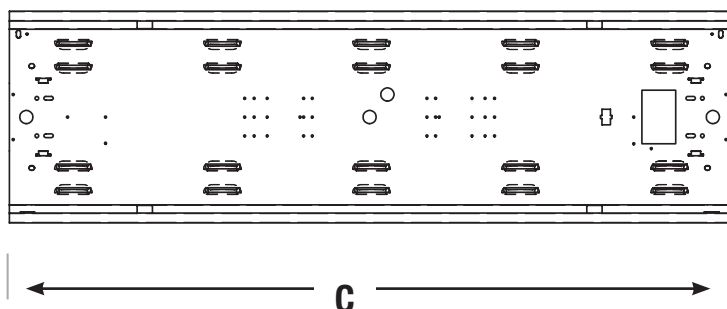
Hinged Wire Guard

HIGH BAY FULL BODY SERIES T5 Narrow Beam Reflector

FIXTURE CONFIGURATIONS



TOP VIEW

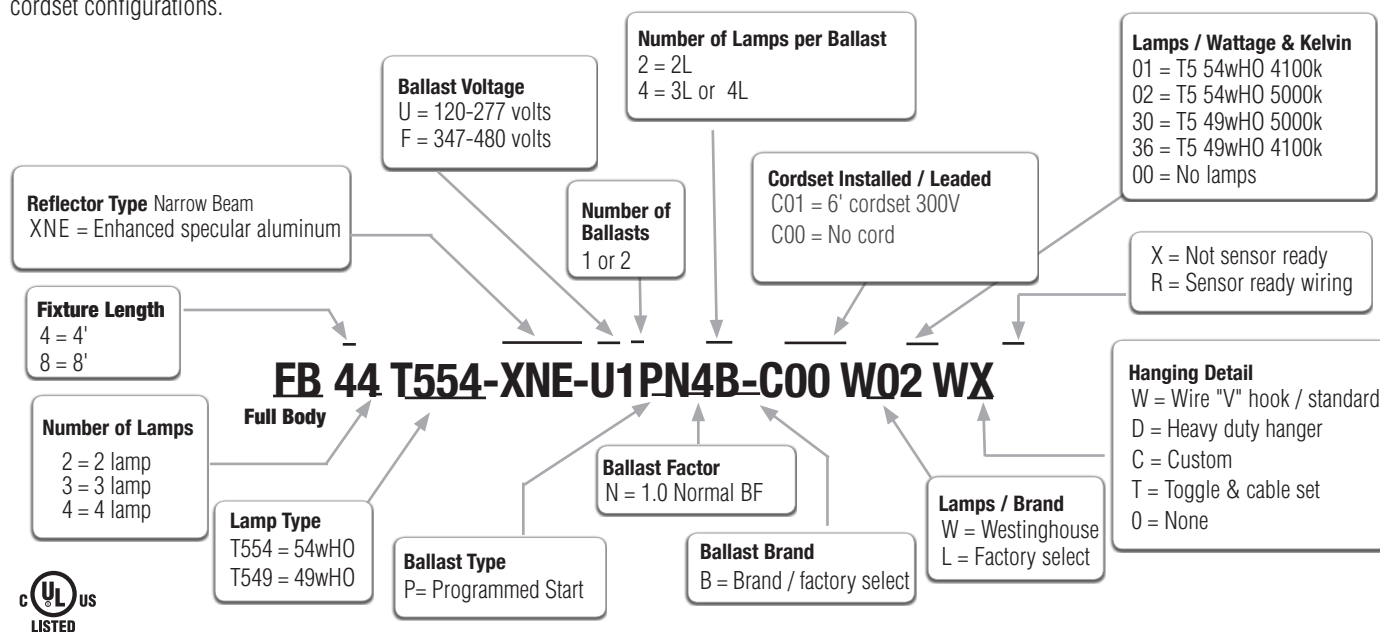


Number of LAMPS	Width (A)	Height (B)	Length (C)
2	12.125"	4.250"	48"
3	16.687"	4.130"	48"
4	21.250"	4.375"	48"
4 (2+2)	12.125"	4.250"	96"
6 (3+3)	16.687"	3.375"	96"
8 (4+4)	14.188"	4.375"	96"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_t5_narr.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

FB

Precision optics in our most durable design.

HIGH BAY FULL BODY SERIES **T5 Medium** Beam Reflector



SPECIFICATIONS

Housing: Formed aluminum body, white powder coat finish
Reflector: Enhanced specular aluminum
Lamp: T5HO 49 or 54 watt linear fluorescent
Ballast: Electronic programmed rapid start, 90°C Rated

KEY PHOTOMETRICS

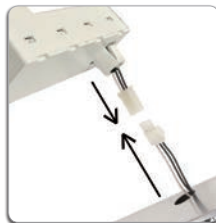
CIE Type: Direct
Plane: 0-DEG 90-DEG
Spacing Criteria: 1.2 0.8
Luminaire Efficiency:* 92% - 94%

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Aluminum body with venting for best thermal management
- Swing down door with acrylic lens and/or wire guard available
- Tool-less swing down socket bar for easy ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life

OPTIONAL ACCESSORIES Refer to Accessory Specification



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic Lens Door



Cord Sets



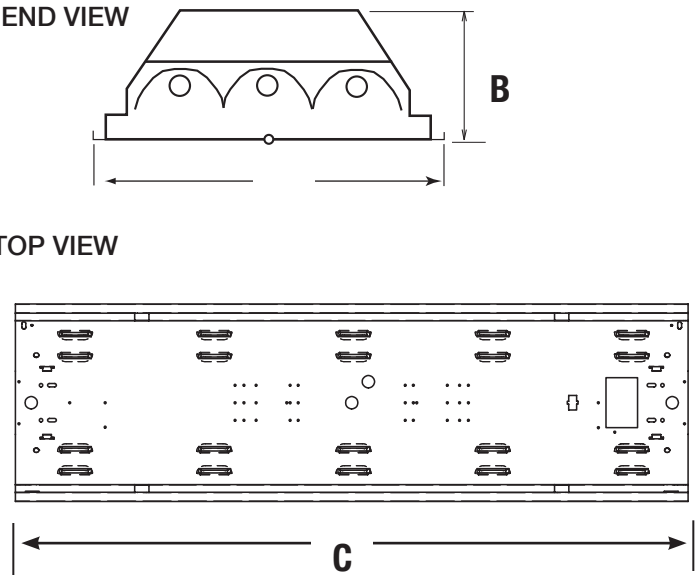
Heavy Duty Hanger



Hinged Wire Guard

HIGH BAY FULL BODY SERIES T5 Medium Beam Reflector

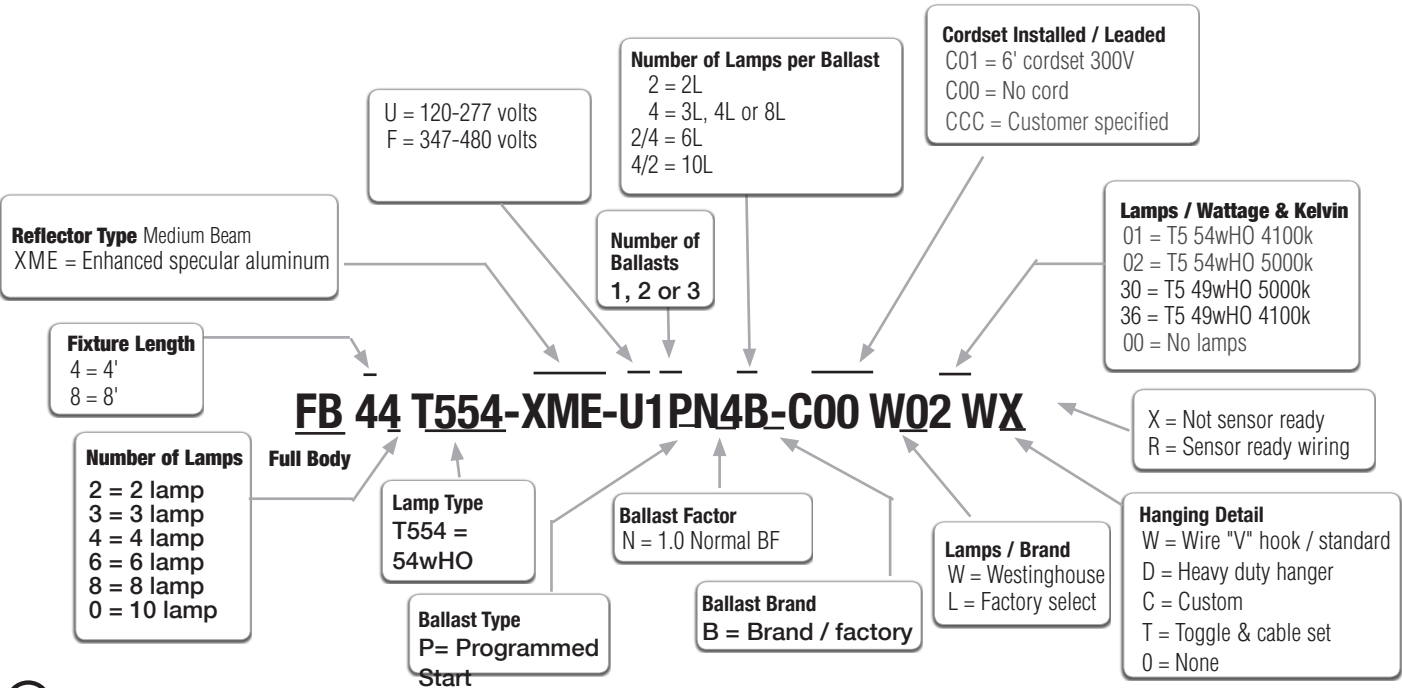
FIXTURE CONFIGURATIONS



Number of LAMPS	Width (A)	Height (B)	Length (C)
2	8.800"	4.250"	48"
3	11.670"	4.130"	48"
4	14.180"	4.250"	48"
6	19.930"	4.250"	48"
8	25.680"	4.375"	48"
10	31.430"	4.375"	48"
4 (2+2)	8.800"	4.250"	96"
6 (3+3)	11.670"	4.250"	96"
8 (4+4)	14.180"	4.250"	96"

MODEL NUMBER INFORMATION See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

FB

Precision optics in our most durable design.

HIGH BAY FULL BODY SERIES **T5 Wide** Beam Reflector



SPECIFICATIONS

Housing: Formed aluminum body, white powder coat finish
Reflector: Enhanced specular aluminum
Lamp: T5HO 49 or 54 watt linear fluorescent
Ballast: Electronic programmed rapid start, 90°C Rated

KEY PHOTOMETRICS

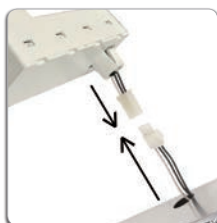
CIE Type: Direct
Plane: 0-DEG 90-DEG
Spacing Criteria: 1.2 1.1
Luminaire Efficiency:* 90% - 95%

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Reflectors available in enhanced aluminium or reflector white
- Aluminum body with venting for best thermal management
- Swing down door with acrylic lens and/or wire guard available
- Tool-less swing down socket bar for easy ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sen-

OPTIONAL ACCESSORIES Refer to Accessory Specification



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic
Lens Door



Cord Sets



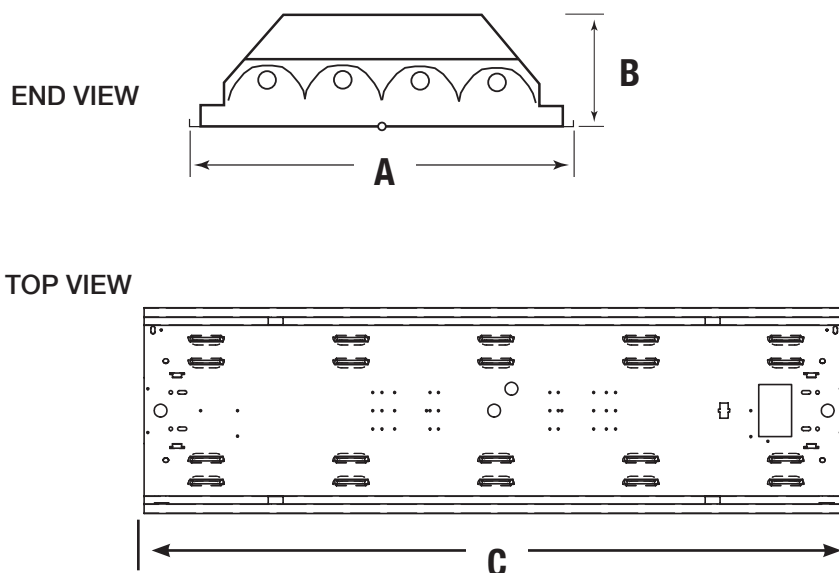
Heavy Duty Hanger



Hinged Wire Guard

HIGH BAY FULL BODY SERIES **T5 Wide** Beam Reflector

FIXTURE CONFIGURATIONS

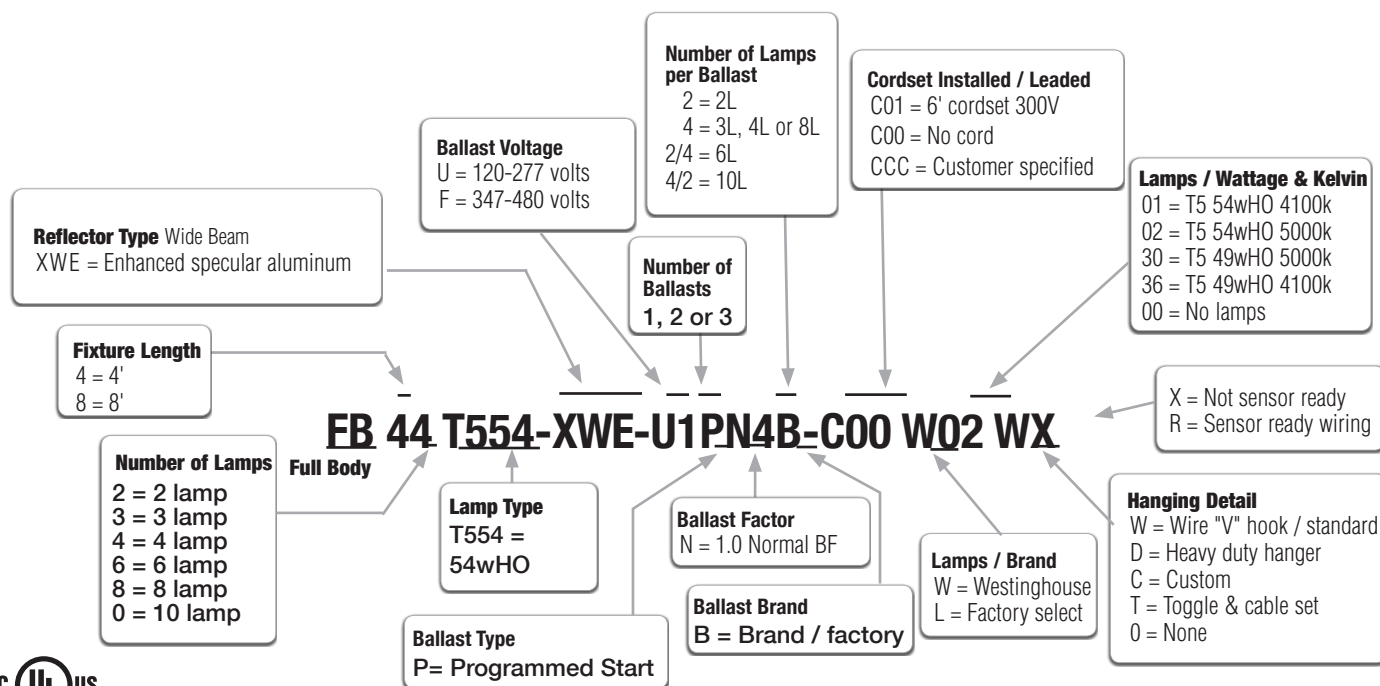


Number of LAMPS	Width (A)	Height (B)	Length (C)
2	8.800"	4.250"	48"
3	11.670"	4.130"	48"
4	14.180"	4.250"	48"
6	19.930"	4.250"	48"
8	25.680"	4.375"	48"
10	31.430"	4.375"	48"
4 (2+2)	8.800"	4.250"	96"
6 (3+3)	11.670"	4.130"	96"
8 (4+4)	14.180"	4.250"	96"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC / prodsh FB_T5_wide.indd

**LUMENOPTIX™**

Simply Revolutionary™

Type

Model #

Date

Project Name

FB

Precision optics in our most durable design.

HIGH BAY FULL BODY SERIES **T5 Broad** Beam Reflector



SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.19	2.4
Luminaire Efficiency:*	97%	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Broad beam reflector allows for design of open areas with less fixtures
- Reflector allows for better coverage in low mounting heights
- Reflectors available in enhanced aluminium or reflector white
- Aluminum body with venting for best thermal management
- Swing down door with acrylic lens and/or wire guard available
- Tool-less swing down socket bar for easy ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life

OPTIONAL ACCESSORIES

 Refer to Accessory Specification Sheet

Sensor Ready



Toggle & Cable Hanging Kit

Hinged Acrylic
Lens Door

Cord Sets



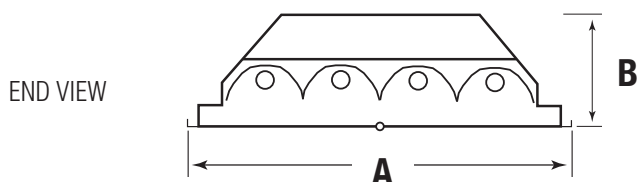
Heavy Duty Hanger



Hinged Wire Guard

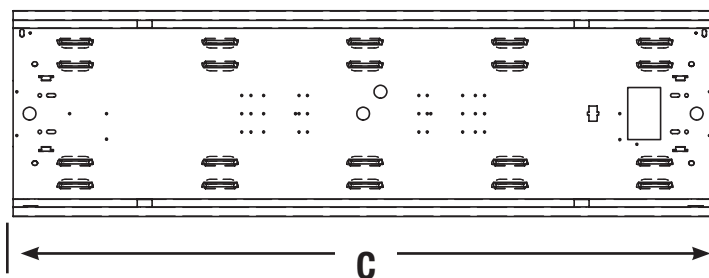
HIGH BAY FULL BODY SERIES T5 Broad Beam Reflector

FIXTURE CONFIGURATIONS



Number of LAMPS	Width (A)	Height (B)	Length (C)
3	12.405"	4.500"	48"
4	15.780"	4.500"	48"
6	22.530"	4.500"	48"

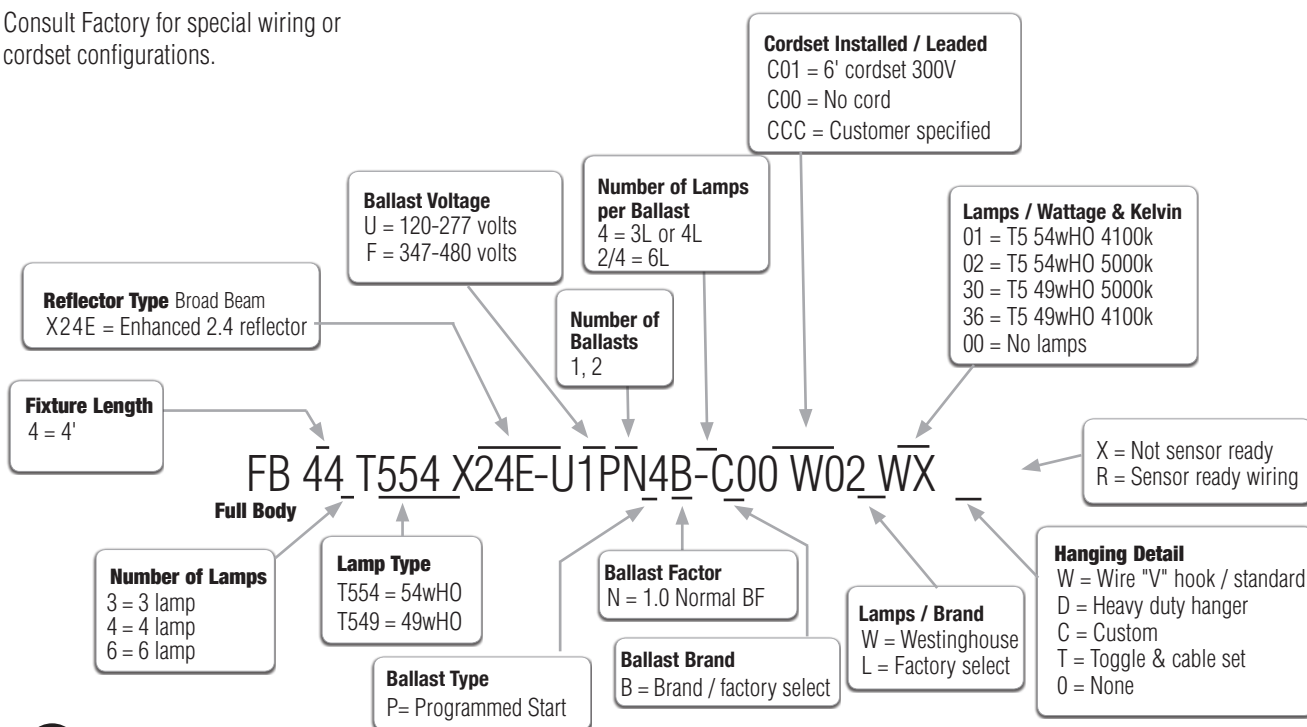
TOP VIEW



MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh FB_T5_broad.indd

**LUMENOPTIX™**

Simply Revolutionary™

Type

Model #

Date

Project Name

FB

Precision optics in our most durable design.

HIGH BAY FULL BODY SERIES **T5 General** Beam Reflector

SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	1.2
Luminaire Efficiency:*	96%	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

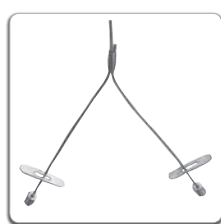
FEATURES

- Superior precision optics
- Reflectors available in enhanced aluminium or reflector white
- Aluminum body with venting for best thermal management
- Swing down door with acrylic lens and/or wire guard available
- Tool-less swing down socket bar for easy ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic Lens Door



Cord Sets



Heavy Duty Hanger



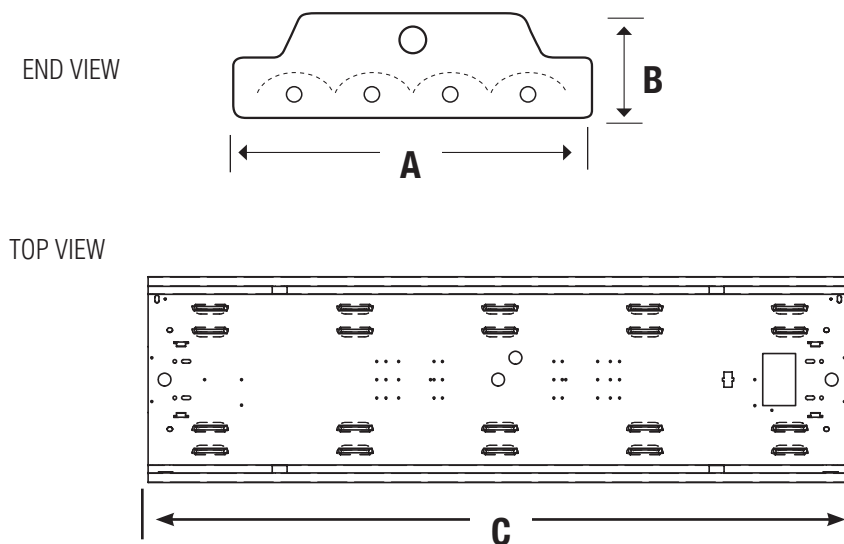
Hinged Wire Guard



High Reflectance White Reflector

HIGH BAY FULL BODY SERIES T5 General Beam Reflector

FIXTURE CONFIGURATIONS

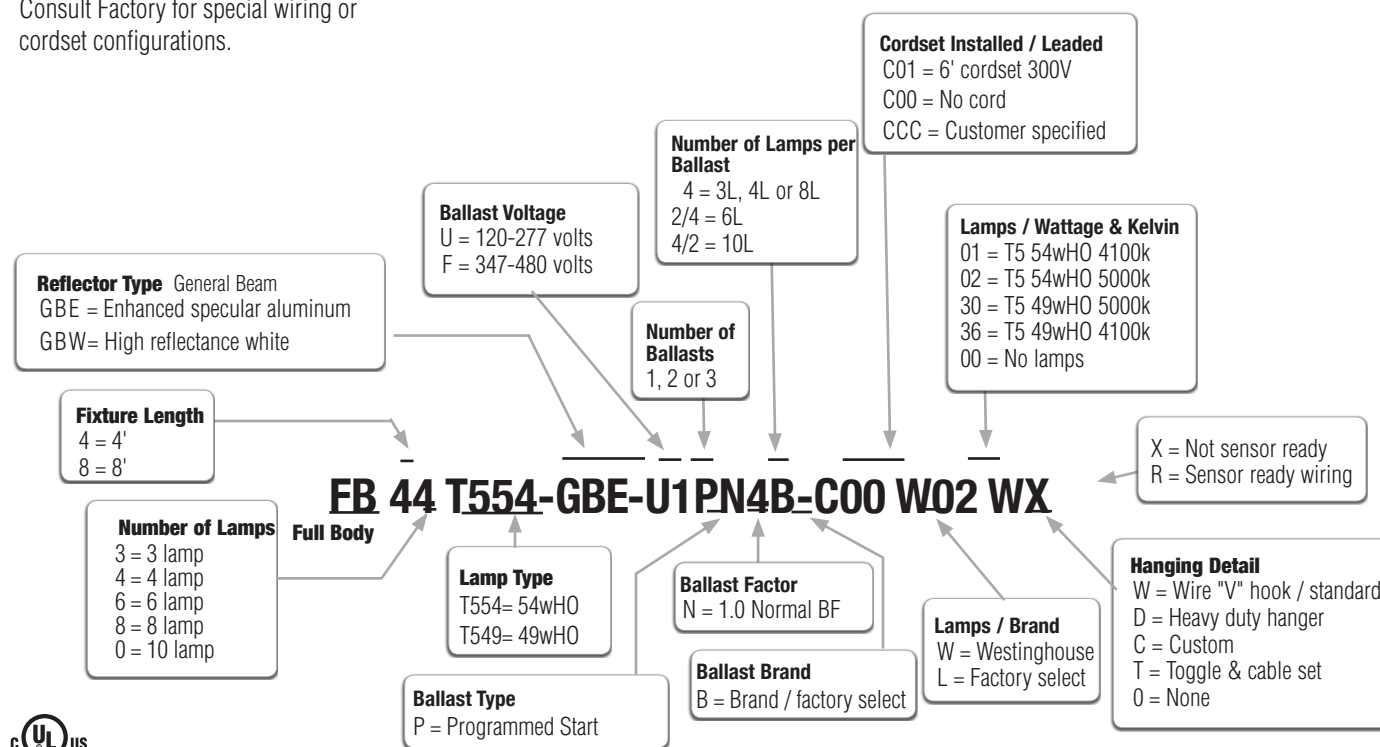


Number of LAMPS	Width (A)	Height (B)	Length (C)
3	8.750"	4.130"	48"
4	10.750"	4.250"	48"
6	14.750"	4.250"	48"
8	18.750"	4.250"	48"
10	22.750"	4.250"	48"
6 (3+3)	8.750"	4.130"	96"
8 (4+4)	10.750"	4.250"	96"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_t5_general.indd



FB

Precision optics in our most durable design.



HIGH BAY FULL BODY SERIES **T8 Narrow** Beam Reflector

SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T8, 32 watt linear fluorescent
Ballast:	Electronic instant start (standard), or electronic programmed rapid start (optional), 90° C rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty

KEY PHOTOMETRICS¹

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	0.5
Luminaire Efficiency:	90%+	

¹ Estimated

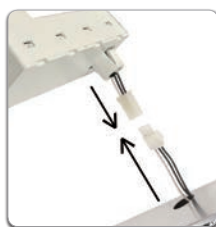
Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

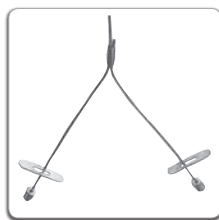
FEATURES

- Superior precision optics
- Aluminum body with venting for best thermal management
- Swing down door with acrylic lens and/or wire guard available
- Tool-less swing down socket bar for easy ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic Lens Door



Electronic Programmed Rapid Start Ballast



Cord Sets



Heavy Duty Hanger

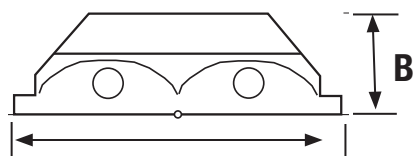


Hinged Wire Guard

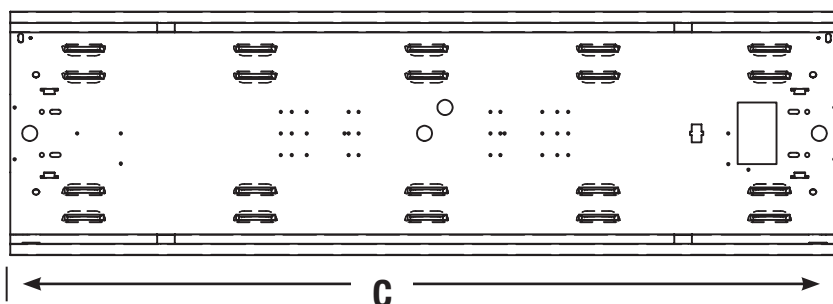
HIGH BAY FULL BODY SERIES T8 Narrow Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

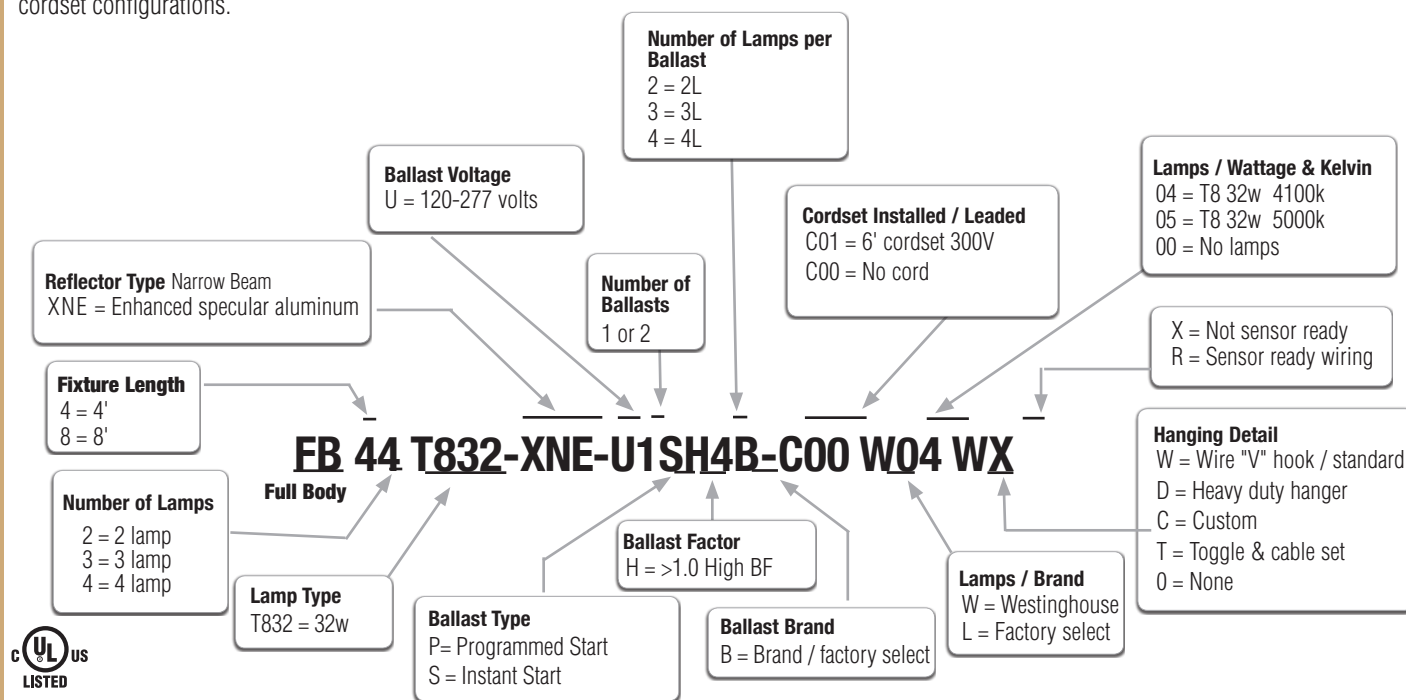


Number of LAMPS	Width (A)	Height (B)	Length (C)
2	16.312"	4.250"	48"
3	23.000"	4.130"	48"
4	29.625"	4.250"	48"
4 (2+2)	16.312"	4.250"	96"
6 (3+3)	23.000"	4.130"	96"
8 (4+4)	29.625"	4.250"	96"

MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodshl_FB_T8_narr.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

FB

Precision optics in our most durable design.

HIGH BAY FULL BODY SERIES T8 Wide Beam Reflector



SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T8 32 watt linear fluorescent
Ballast:	Electronic instant start (standard), or electronic programmed rapid start (optional), 90° C rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS¹

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	1.0
Luminaire Efficiency:*	90%+	

¹ Estimated

Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Reflectors available in enhanced aluminium or reflector white
- Aluminum body with venting for best thermal management
- Swing down door with acrylic lens and/or wire guard available
- Tool-less swing down socket bar for easy ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic
Lens Door



Electronic Programmed
Rapid Start Ballast



Cord Sets



Heavy Duty Hanger

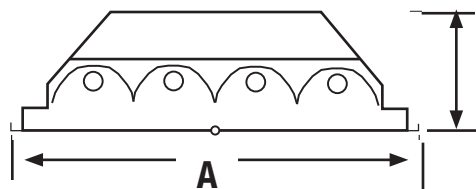


Hinged Hinged Wire
Guard

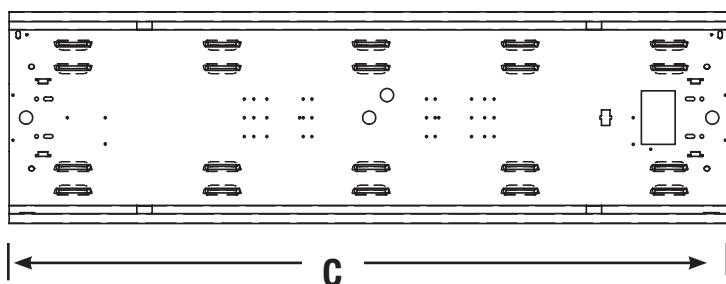
HIGH BAY FULL BODY SERIES T8 Wide Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

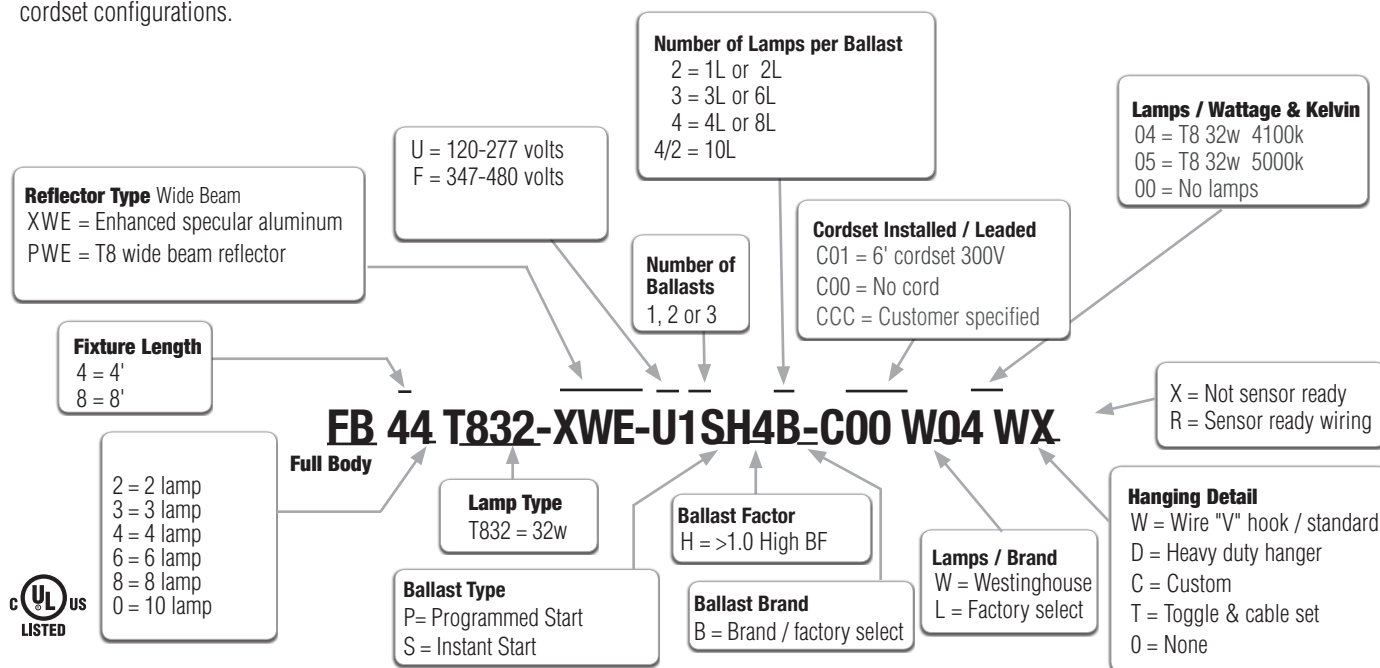


Number of LAMPS	Width (A)	Height (B)	Length (C)
2	8.800"	3.375"	48"
3	11.670"	4.130"	48"
4	14.180"	4.250"	48"
6	19.930"	4.250"	48"
8	25.680"	4.375"	48"
10	31.430"	4.375"	48"
4 (2+2)	8.800"	3.375"	96"
6 (3+3)	11.670"	4.250"	96"
8 (4+4)	14.180"	4.250"	96"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix,LLC / prodsh_t_FB_T8_wide.indd



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

FB

Precision optics in our most durable design.

HIGH BAY FULL BODY SERIES **T8 General** Beam Reflector

SPECIFICATIONS

Housing: Formed aluminum body, white powder coat finish
Reflector: Enhanced specular aluminum
Lamp: T8 32 watt linear fluorescent
Ballast: Electronic instant start (standard), or electronic programmed rapid start (optional), 90° C rated
Mounting: Wire "V" hook (standard) / Optional: heavy duty

KEY PHOTOMETRICS¹

CIE Type: Direct
Plane: 0-DEG 90-DEG
Spacing Criteria: Consult factory
Luminaire Efficiency:*

¹ Estimated

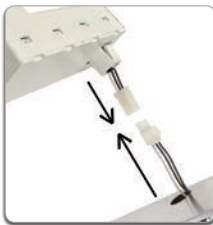
Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Superior precision optics
- Reflectors available in enhanced aluminium or reflector white
- Aluminum body with venting for best thermal management
- Swing down door with acrylic lens and/or wire guard available
- Tool-less swing down socket bar for easy ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Toggle & Cable Hanging Kit



Hinged Acrylic
Lens Door



Electronic Programmed
Rapid Start Ballast



Cord Sets



Heavy Duty Hanger



Hinged Wire Guard

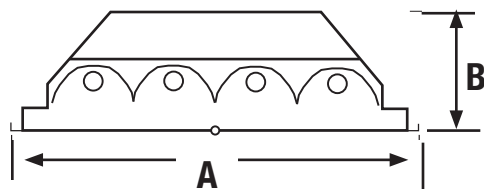


High Reflectance White
Reflector

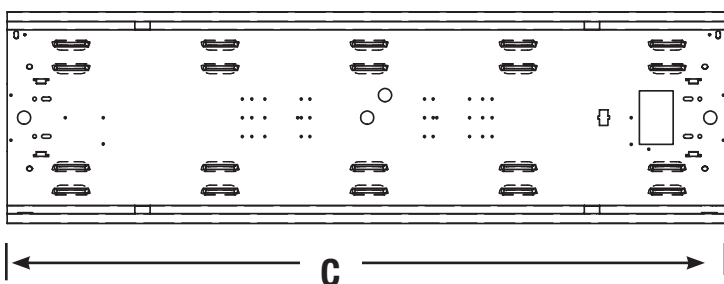
HIGH BAY FULL BODY SERIES T8 General Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

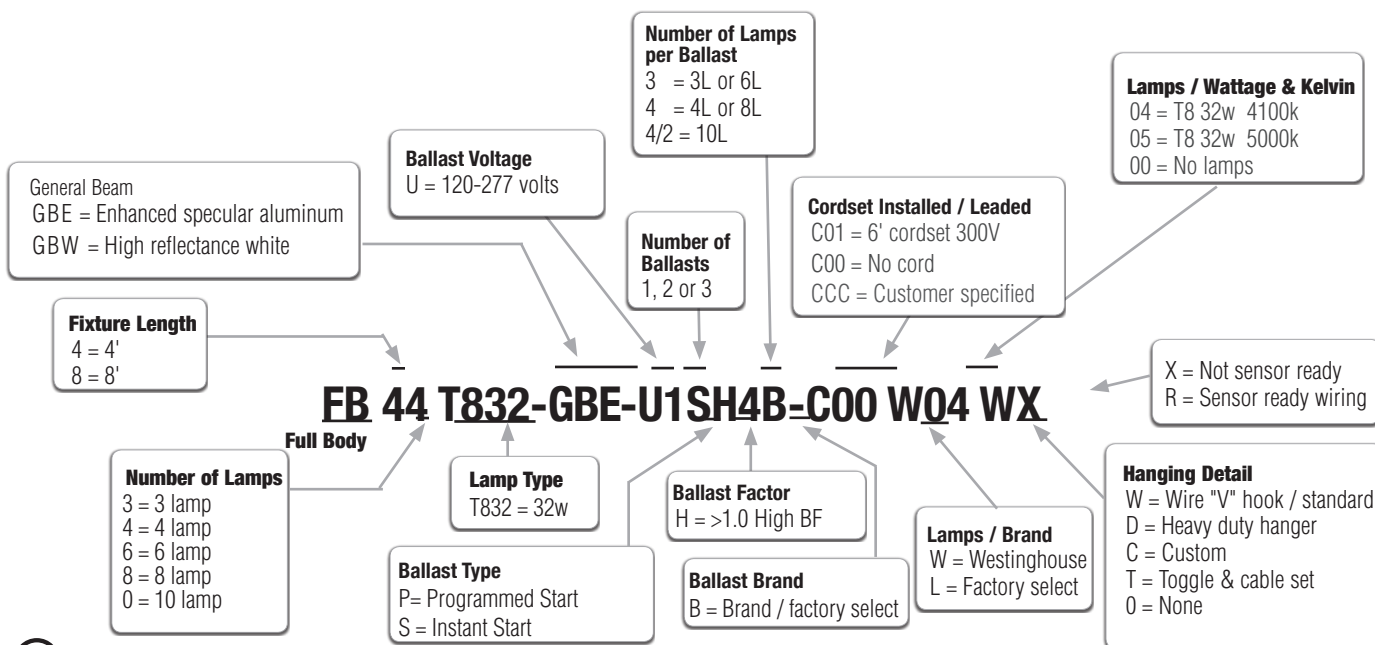


Number of LAMPS	Width (A)	Height (B)	Length (C)
3	8.750"	4.130"	48"
4	10.750"	4.250"	48"
6	14.750"	4.250"	48"
8	18.750"	4.250"	48"
6 (3+3)	8.750"	4.250"	96"
8 (4+4)	10.750"	4.250"	96"

MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

UnichannelSeries

UN

Economical precision optics.

Industrial High Bay

Unichannel Series (UN)



LUMENOPTIX™

Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

UnichannelSeries



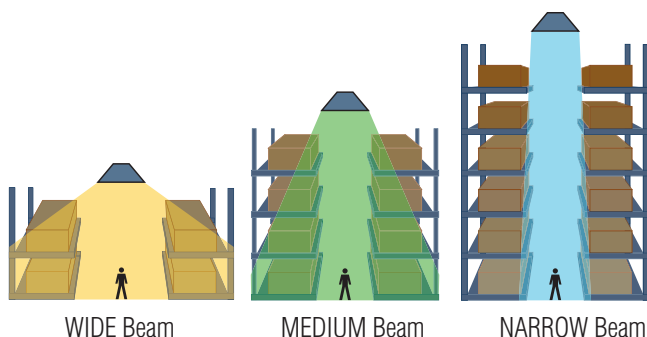
LUMENOPTIX™

Simply Revolutionary™



Economical precision optics.

Our Unichannel series provides precision optics in an economical body. It is a wonderful solution when lenses or wire guards are not necessary to maximize savings. The Unichannel series offers a removable tool-less ballast access. Available in narrow, medium and wide beam formats, the Unichannel series is typically used in industrial settings including racked aisles, distribution centers and open areas.



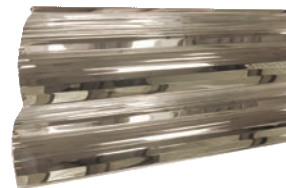
WIDE Beam

MEDIUM Beam

NARROW Beam

REFLECTORS:

- Narrow beam reflector
- Medium beam reflector
- Wide beam reflector



LAMPS:

Multiple fixture configurations available in T5



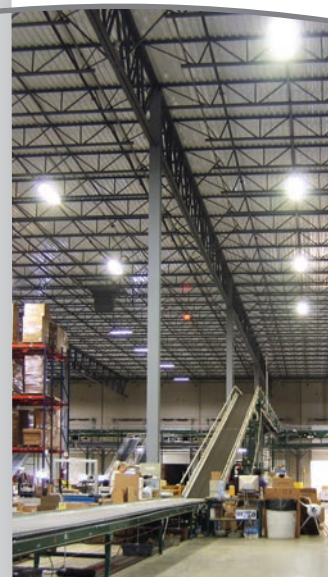
HOUSING:

- Formed aluminum body
- Post painted powder coat finish
- Tool-less ballast access



APPLICATIONS:

- Warehouse / Distribution
- Manufacturing
- Retail



Industrial High Bay

Unichannel Series (UN)



LUMENOPTIX™
Simply Revolutionary™

Type	Model #
Date	Project Name



UN

Economical
precision optics.

HIGH BAY UNICHANNEL SERIES **T5 Narrow** Beam Reflector

SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct
Plane:	0-DEG 90-DEG
Spacing Criteria:	1.2 0.5
Luminaire Efficiency:*	97% - 98%

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Economical unichannel design with precision optics
- Removable cover for tool-less ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Toggle & Cable Hanging Kit



Cord Sets

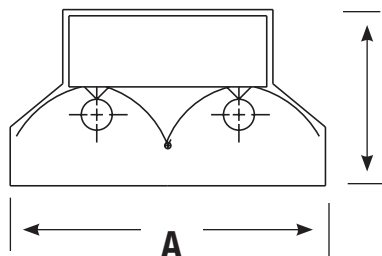


Heavy Duty Hanger

HIGH BAY UNICHANNEL SERIES T5 Narrow Beam Reflector

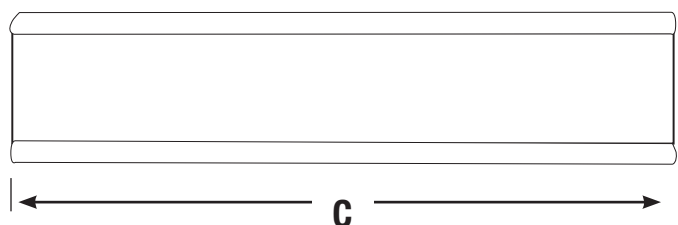
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
1	6.375"	3.625"	46.375"
2	8.375"	3.625"	46.375"
3	12.500"	3.625"	46.375"
2 (1+1)	6.375"	3.625"	92.750"
4 (2+2)	8.375"	3.625"	92.750"
6 (3+3)	12.500"	3.625"	92.750"

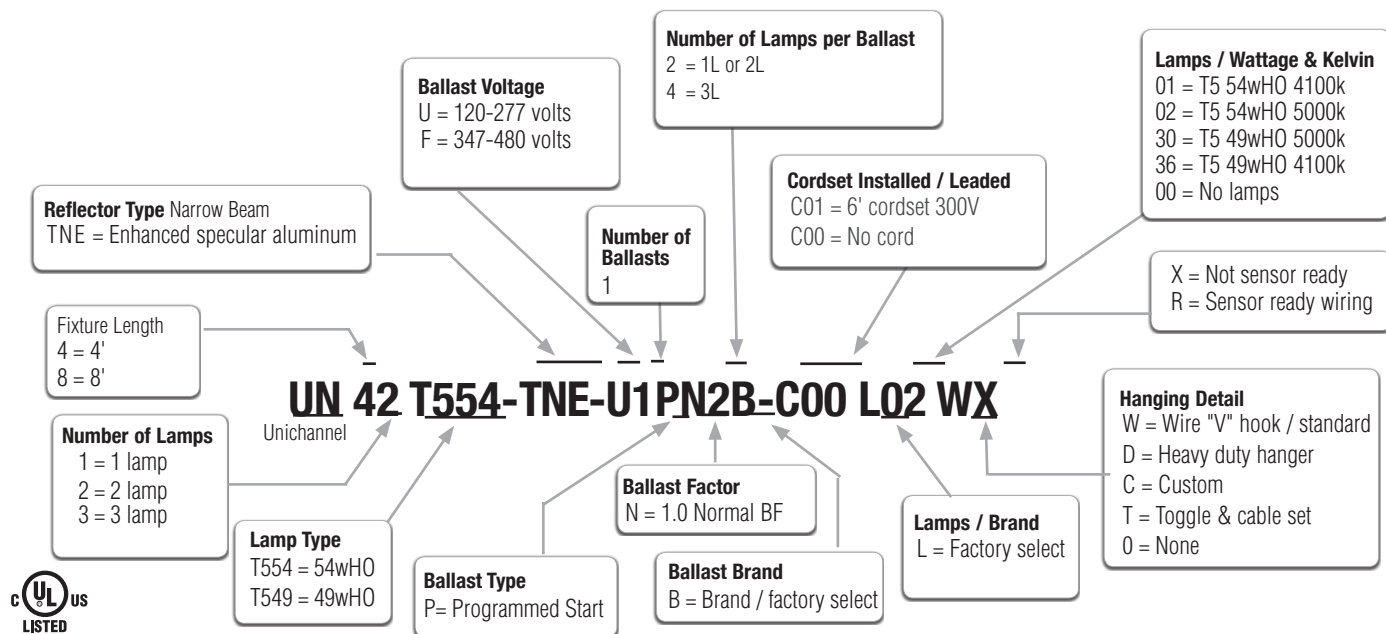
TOP VIEW



MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™

Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, Inc. LO/ prodsh_tn_T5_narr.indd



UN

Economical
precision optics.

HIGH BAY UNICHANNEL SERIES **T5 Medium** Beam Reflector

SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	0.9
Luminaire Efficiency:*	94%	

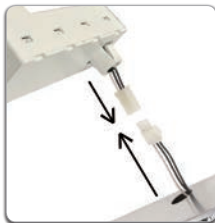
* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

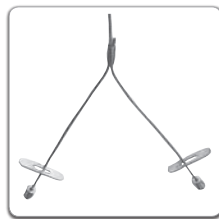
FEATURES

- Economical unichannel design with precision optics
- Removable cover for tool-less ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit



Cord Sets

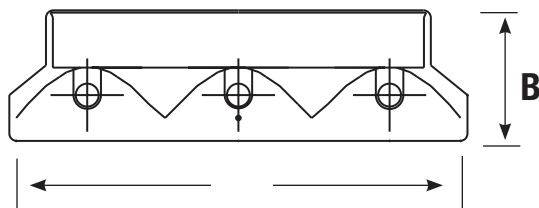


Heavy Duty Hanger

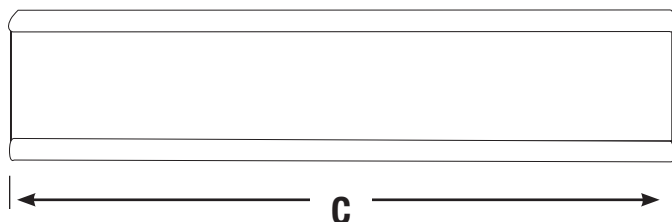
HIGH BAY UNICHANNEL SERIES T5 Medium Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

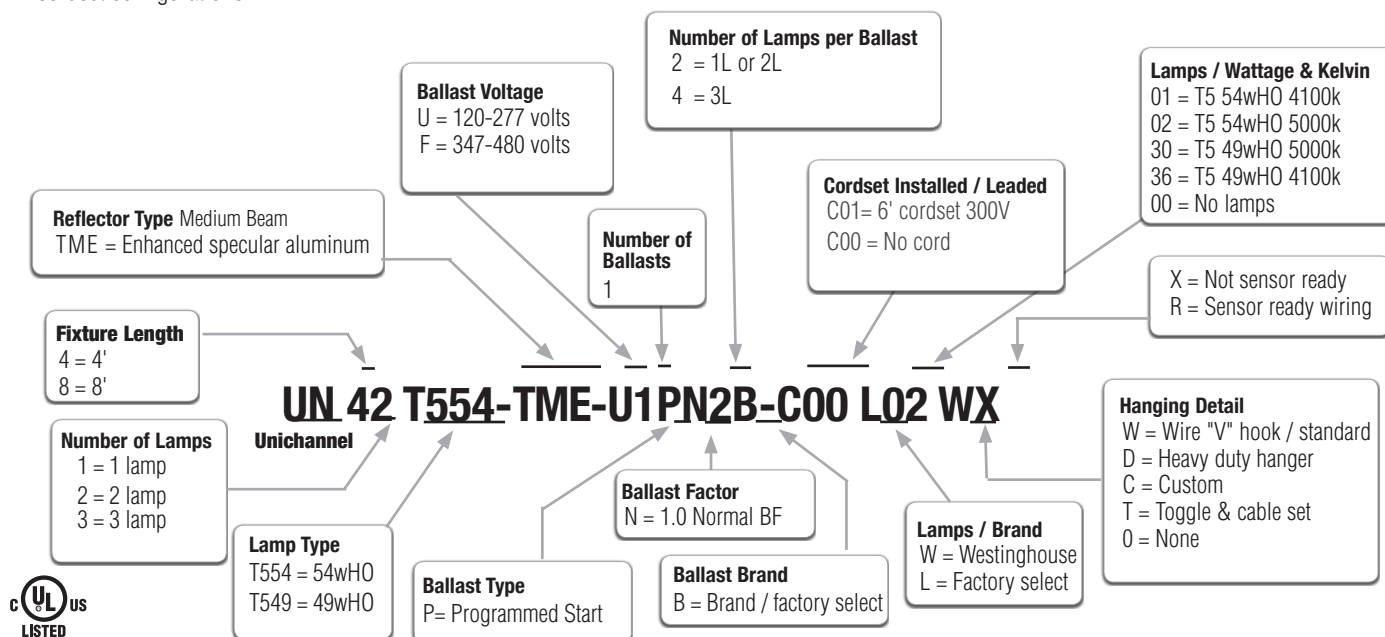


Number of LAMPS	Width (A)	Height (B)	Length (C)
1	6.375"	3.625"	46.375"
2	8.375"	3.625"	46.375"
3	12.500"	3.625"	46.375"
2 (1+1)	6.375"	3.625"	92.750"
4 (2+2)	8.375"	3.625"	92.750"
6 (3+3)	12.500"	3.625"	92.750"

MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_t_UN_T5_med.indd



Economical
precision optics.

HIGH BAY UNICHANNEL SERIES **T5 Wide** Beam Reflector

SPECIFICATIONS

Housing:	Formed aluminum body, white powder coat finish
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	"V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.3	1.1
Luminaire Efficiency:*	98%	

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Economical unichannel design with precision optics
- Removable cover for tool-less ballast access
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- 95% lumen maintenance over entire rated lamp life
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES

Refer to Accessory Specification Sheet



Sensor Ready



Toggle & Cable Hanging Kit



Cord Sets

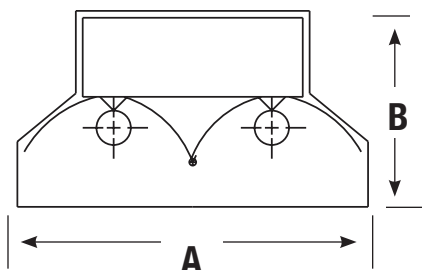


Heavy Duty Hanger

HIGH BAY UNICHANNEL SERIES T5 Wide Beam Reflector

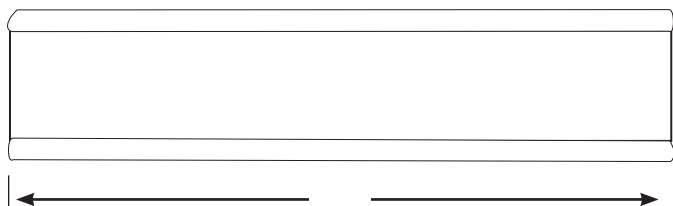
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
1	6.375"	3.625"	46.375"
2	6.375"	3.625"	46.375"
2 (1+1)	6.375"	3.625"	92.750"
4 (2+2)	6.375"	3.625"	92.750"

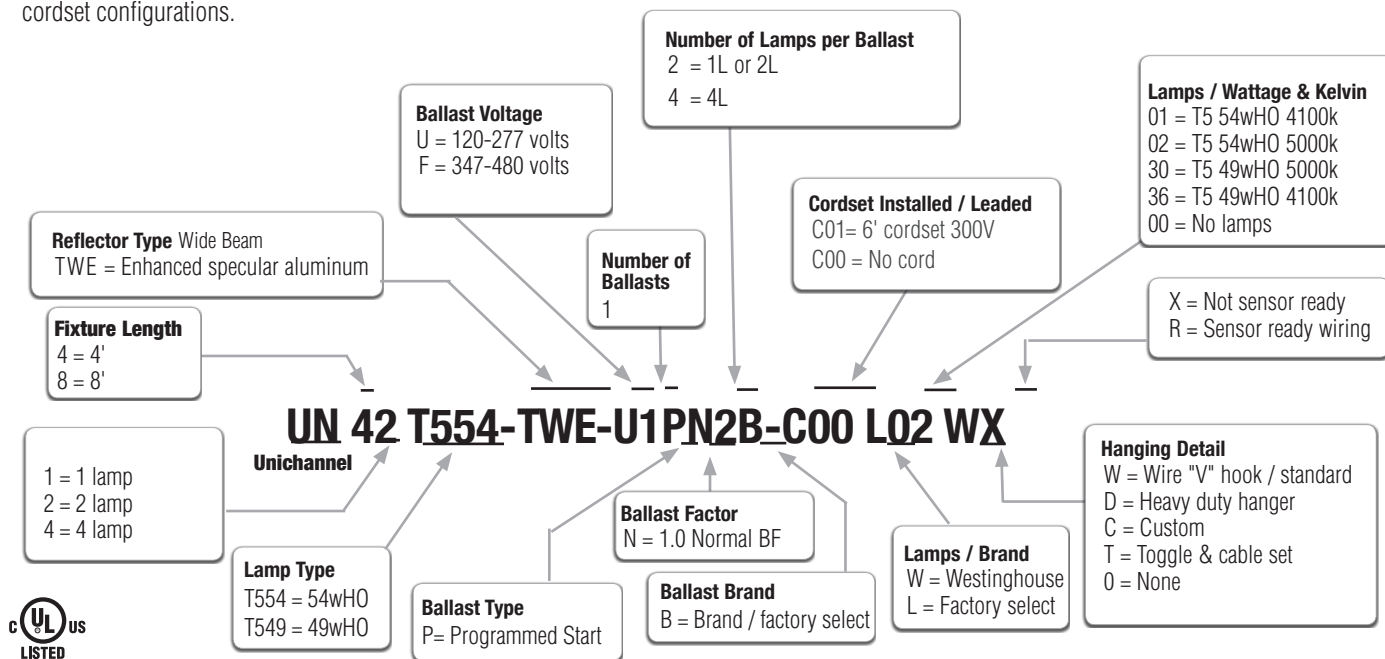
TOP VIEW



MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodshT_UN_T5_wide.indd

ECO Series

EC

Economical
multi-purpose fixture

Industrial High Bay

ECO Series (EC)



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

ECO Series



LUMENOPTIX™
Simply Revolutionary™

Our ECO series is competitively priced to replace metal halides with a general beam reflector system while delivering 50% energy savings and maintaining current light levels. The result is an economical and energy efficient solution.

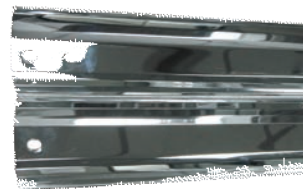
The ECO series is available with a post painted aluminum body, enhanced aluminum reflector and a wire access plate.

EC

Economical
multi-purpose fixture

REFLECTOR:

General beam reflector



LAMPS:

- Multiple fixture configurations available in T5 or T8



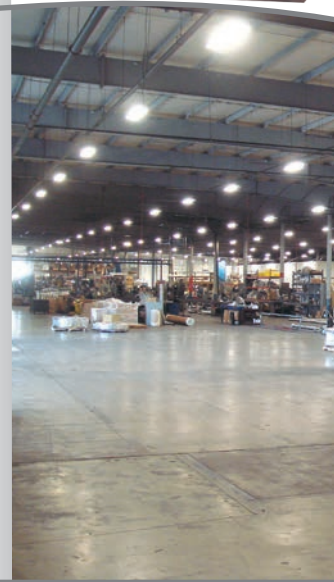
HOUSING:

- Tool-less ballast access available
- Post painted aluminium body



APPLICATIONS:

- Warehouse / Distribution
- Manufacturing
- Retail
- Gymnasium



Industrial High Bay

ECO Series (EC)



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

EC

Economical
multi-purpose fixture

HIGH BAY ECO SERIES **T5 General** Beam Reflector



SPECIFICATIONS

Housing:	Post painted formed aluminum body, white open frame, rigid steel end plates.
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) Optional: toggle & cable set

FEATURES

- Economical multi-purpose fixture
- Hinged wire guard available
- Wire access standard, ballast access optional
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Aluminum body for venting
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

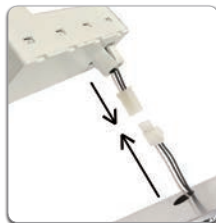
KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	1.1
Luminaire Efficiency:*	91%-97%	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit



Easy Access ballast option



Cord Sets



Hinged Wire Guard

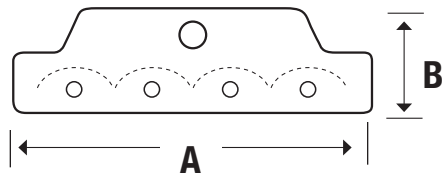


Lens Door

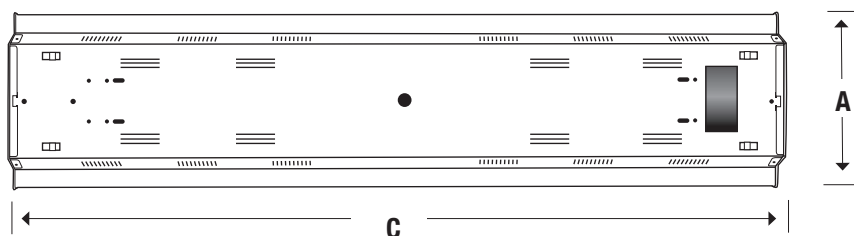
HIGH BAY
ECO SERIES**T5 General** Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

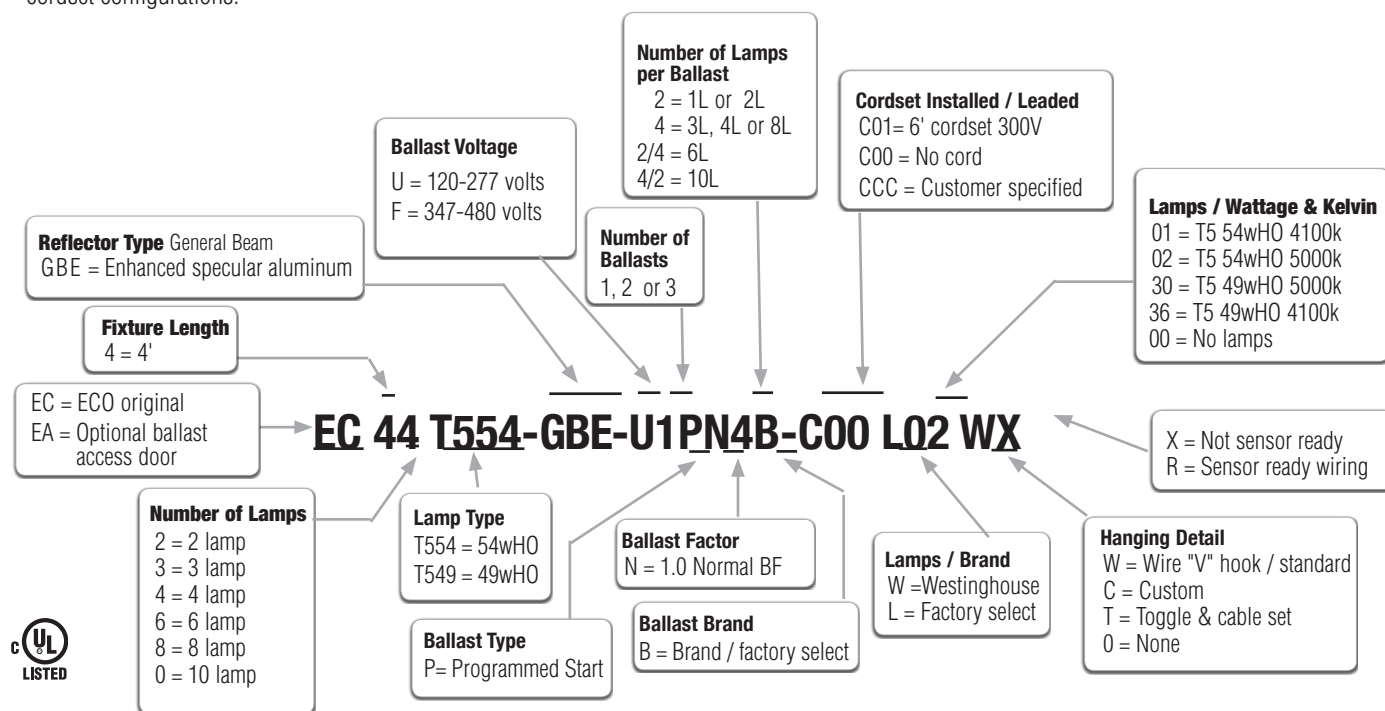


Number of LAMPS	Width (A)	Height (B)	Length (C)
2	6.750"	3.380"	48"
3	8.750"	3.938"	48"
4	10.750"	3.500"	48"
6	14.750"	3.500"	48"
8	18.750"	3.500"	48"
10	22.750"	3.500"	48"

MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, Inc. LO/prodsht_ECO_T5_genbeam.indd



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

EC

Economical
multi-purpose fixture

HIGH BAY ECO SERIES **T8 General** Beam Reflector

SPECIFICATIONS

Housing:	Post painted formed aluminum body, white open frame, rigid steel end plates.		
Reflector:	Enhanced specular aluminum		
Lamp:	T8 32 watt linear fluorescent		
Ballast:	Electronic instant start (standard), or electronic programmed rapid start (optional)		
Mounting:	Wire "V" hook (standard) Optional: toggle & cable set		

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.3	1.3
Luminaire Efficiency:*	84%-86%	

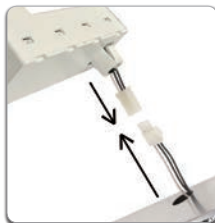
* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Economical multi-purpose fixture
- Hinged wire guard available
- Wire access standard, ballast access optional
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Aluminum body for venting
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Toggle & Cable Hanging Kit



Easy Access ballast option



Electronic Programmed
Rapid Start Ballast



Cord Sets



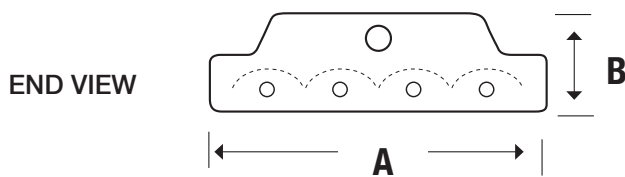
Hinged Wire Guard



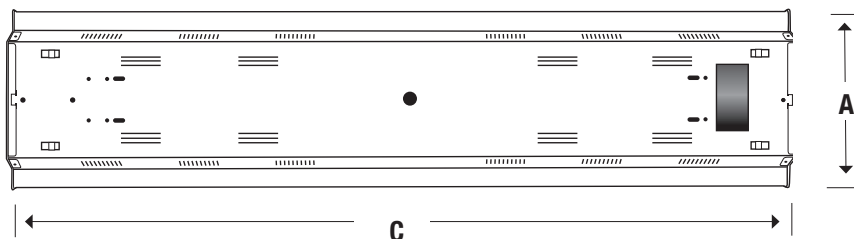
Lens Door

HIGH BAY
ECO SERIES**T8 General** Beam Reflector

FIXTURE CONFIGURATIONS



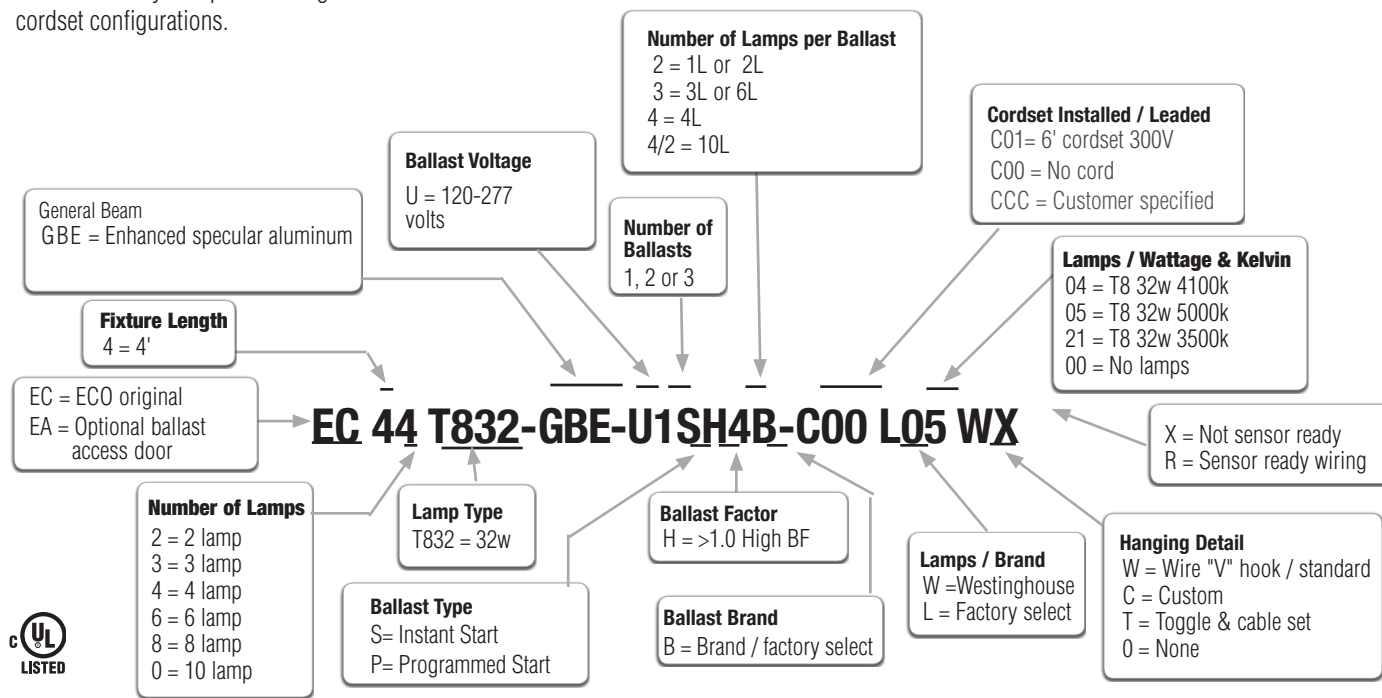
Number of LAMPS	Width (A)	Height (B)	Length (C)
2	6.750"	3.380"	48"
3	8.750"	3.938"	48"
4	10.750"	3.500"	48"
6	14.750"	3.500"	48"
8	18.750"	3.500"	48"
10	22.750"	3.500"	48"

TOP VIEW

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.

**LUMENOPTIX™**
Simply Revolutionary™

Max Value Series

MV

Most economical
multi-purpose fixture

Industrial High Bay

Max Value Series (MV)



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

Max Value Series



LUMENOPTIX™
Simply Revolutionary™



Most economical
multi-purpose fixture

Industrial High Bay

Max Value Series (MV)

The Max Value series offers maximum value. Similar to the ECO, the Max Value delivers 50% energy savings while maintaining current light levels. The key difference is its open frame which reduces fixture cost.

REFLECTOR:

- General beam reflector
- Wide beam reflector



LAMPS:

4-lamp and 6-lamp fixture configurations available in T5 or T8



HOUSING:

- Wire access
- Post painted steel channel



APPLICATIONS:

- Warehouse / Distribution
- Manufacturing
- Retail
- Gymnasium





LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

MV

Most economical
multi-purpose fixture

HIGH BAY MAX VALUE SERIES T5 Wide Beam Reflector

SPECIFICATIONS

Housing:	Post painted steel channel
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) Optional: toggle & cable set

FEATURES

- Economical multi-purpose fixture
- Wire access standard
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

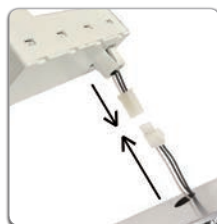
KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	Consult Factory	
Luminaire Efficiency:*	Consult Factory	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit

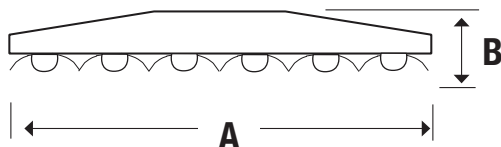


Cord Sets

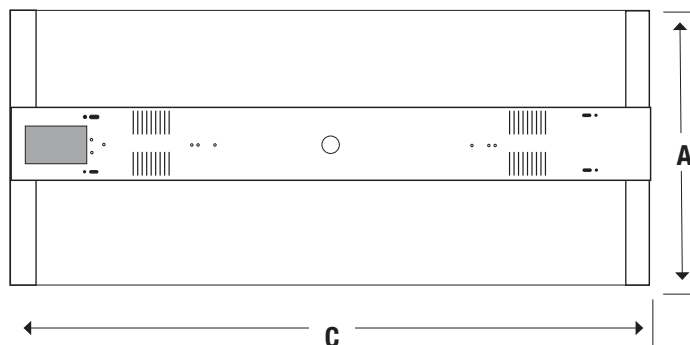
HIGH BAY MAX VALUE SERIES T5 Wide Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



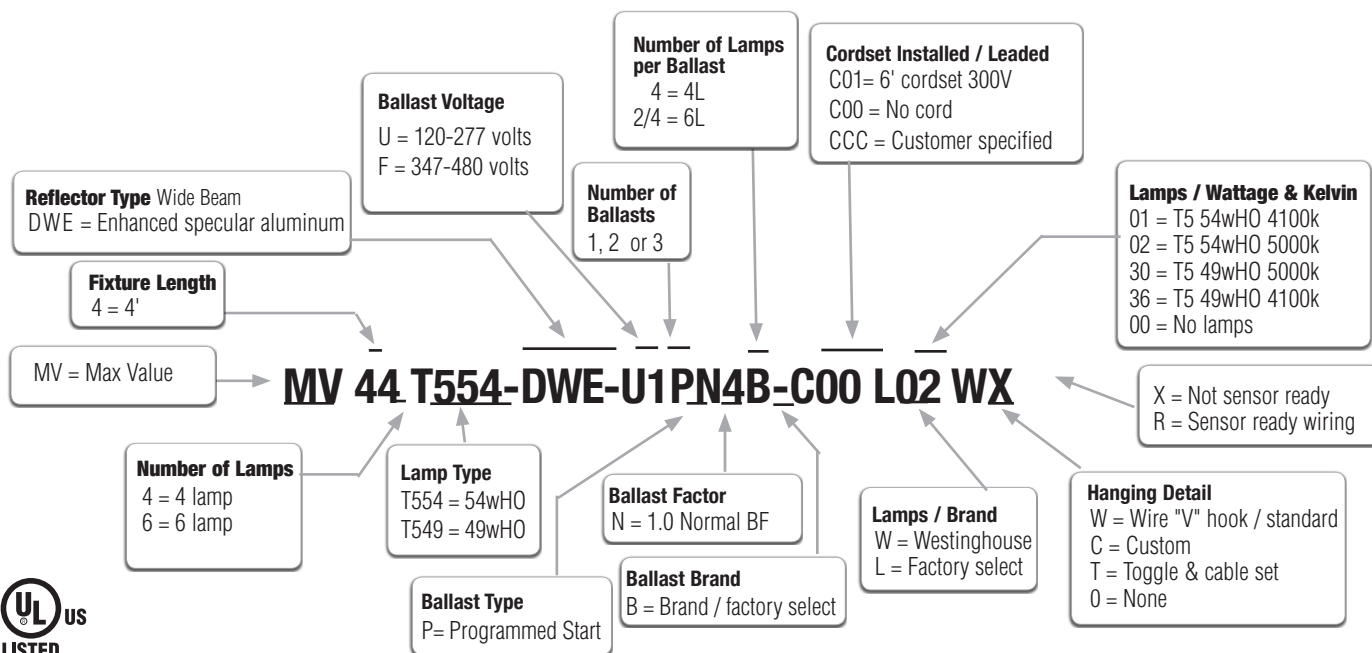
TOP VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
4	12.625"	2.75"	48"
6	18.750"	2.75"	48"

MODEL NUMBER INFORMATION
Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_t_MV_T5 wide.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

MV

Most economical
multi-purpose fixture

HIGH BAY MAX VALUE SERIES **T5 General** Beam Reflector

SPECIFICATIONS

Housing:	Post painted steel channel
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) Optional: toggle & cable set

KEY PHOTOMETRICS

CIE Type: Direct

Plane: 0-DEG 90-DEG

Spacing Criteria:

Luminaire Efficiency:*

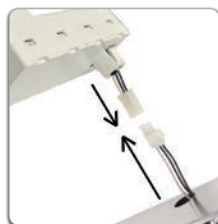
* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Economical multi-purpose fixture
- Wire access standard
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Toggle & Cable Hanging Kit



Cord Sets

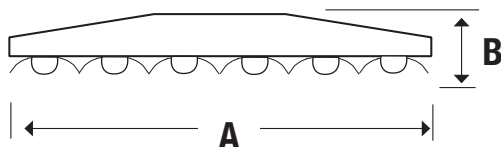
Industrial High Bay

Max Value Series (MV)

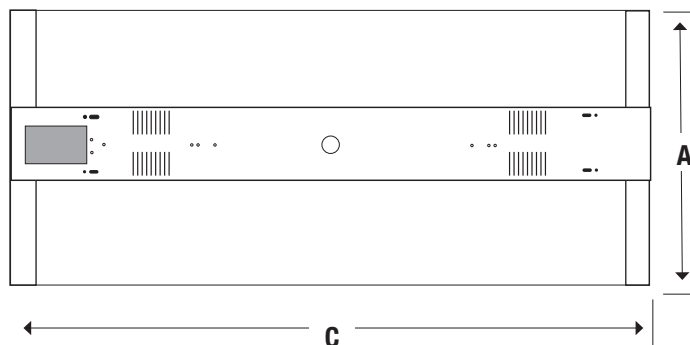
HIGH BAY MAX VALUE SERIES T5 General Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



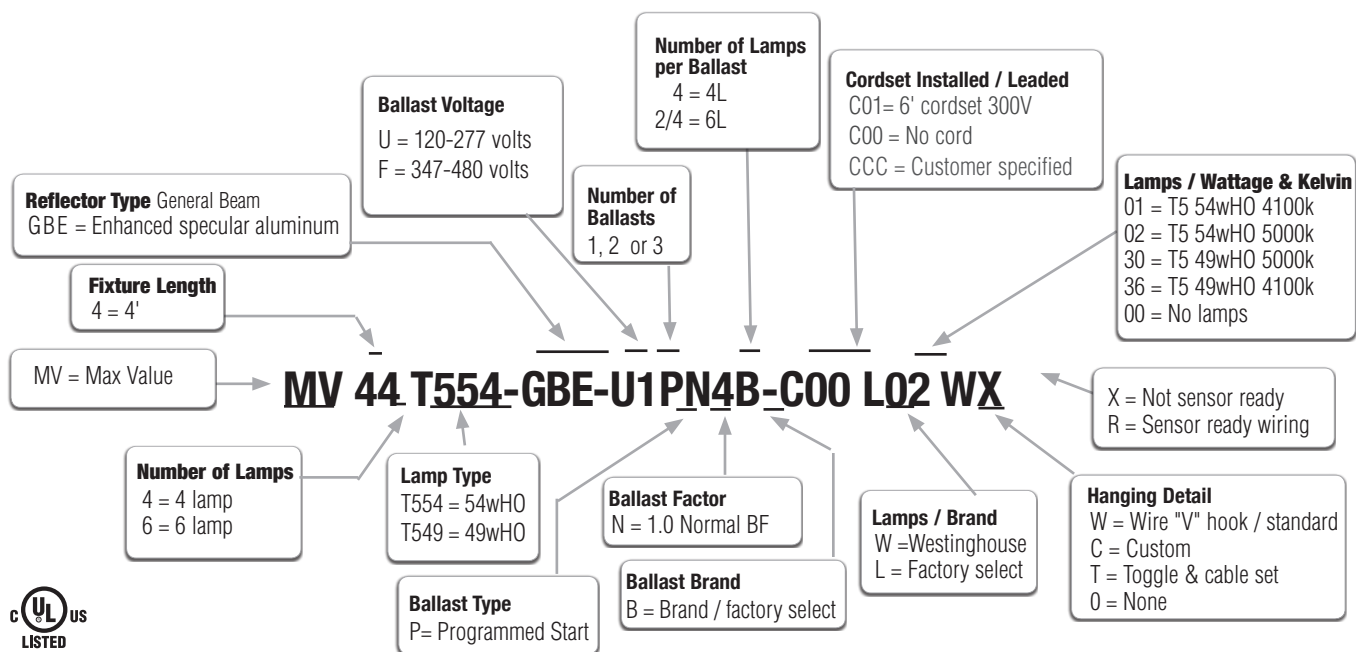
TOP VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
4	8.375"	2.75"	48"
6	12.375"	2.75"	48"

MODEL NUMBER INFORMATION
Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC/ prodsh_t_MV_T5genbeam.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

MV

Most economical
multi-purpose fixture

HIGH BAY MAX VALUE SERIES **T8 Wide** Beam Reflector

SPECIFICATIONS

Housing:	Post painted steel channel
Reflector:	Enhanced specular aluminum
Lamp:	T8 32 watt linear fluorescent
Ballast:	Electronic instant start (standard), or electronic programmed rapid start (optional)
Mounting:	Wire "V" hook (standard) Optional: toggle & cable set

FEATURES

- Economical multi-purpose fixture
- Wire access standard
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- **Made in USA, ARRA and Buy American Act compliant**

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	Consult Factory	
Luminaire Efficiency:*	Consult Factory	

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Cord Sets



Electronic Programmed
Rapid Start Ballast

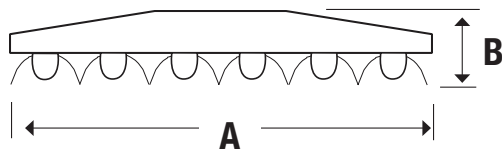


Toggle & Cable Hanging Kit

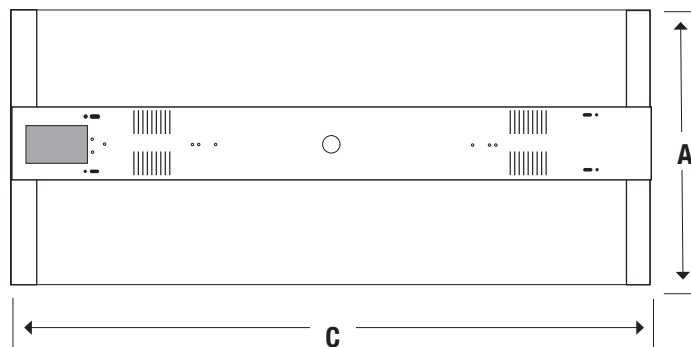
HIGH BAY MAX VALUE SERIES T8 Wide Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

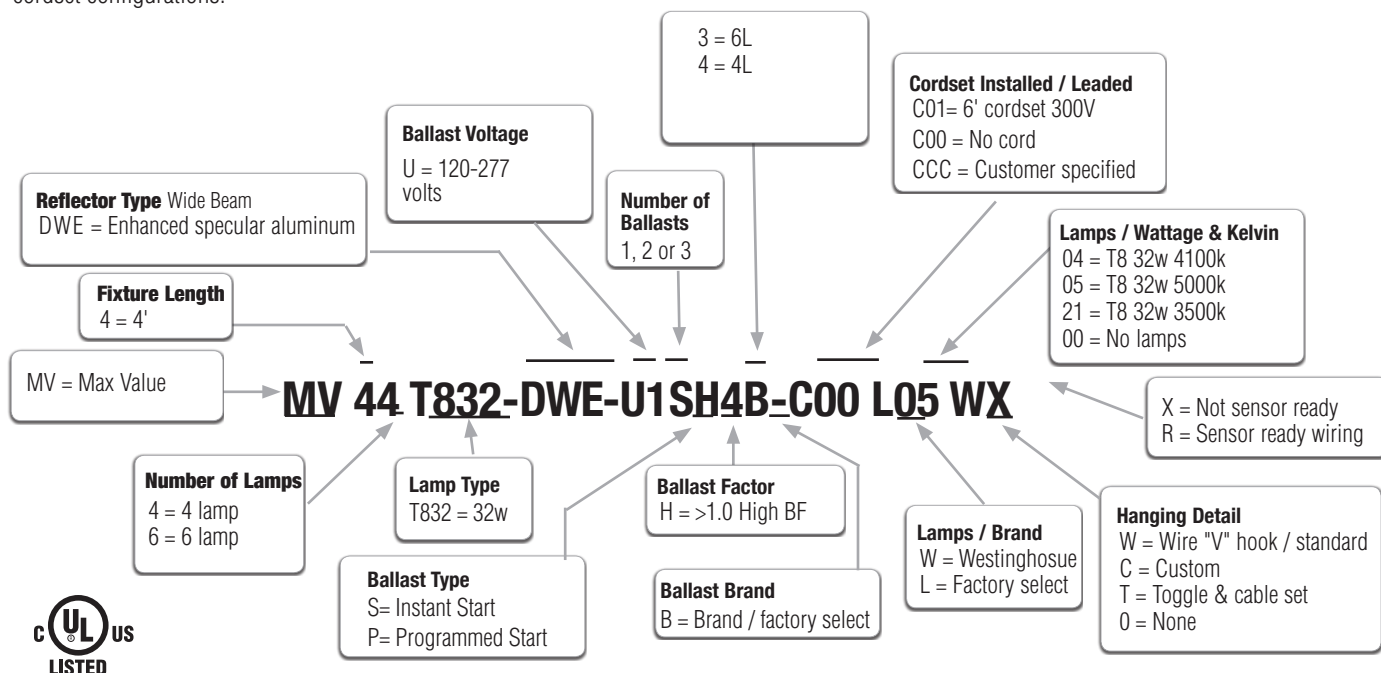


Number of LAMPS	Width (A)	Height (B)	Length (C)
4	12.625"	2.75"	48"
6	18.750"	2.75"	48"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™

Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodshl_mv_T8wide.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

MV

Most economical
multi-purpose fixture

HIGH BAY MAX VALUE SERIES **T8 General** Beam Reflector

SPECIFICATIONS

Housing: Post painted steel channel
Reflector: Enhanced specular aluminum
Lamp: T8 32 watt linear fluorescent
Ballast: Electronic instant start (standard), or
electronic programmed rapid start (optional)
Mounting: Wire "V" hook (standard)
Optional: toggle & cable set

KEY PHOTOMETRICS

CIE Type: Direct
Plane: 0-DEG 90-DEG
Spacing Criteria: *Consult Factory*
Luminaire Efficiency:* *Consult Factory*

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Economical multi-purpose fixture
- Wire access standard
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES

Refer to Accessory Specification Sheet



Sensor Ready



Cord Sets



Electronic Programmed
Rapid Start Ballast

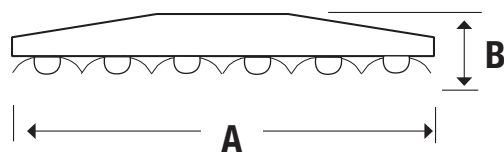


Toggle & Cable Hanging Kit

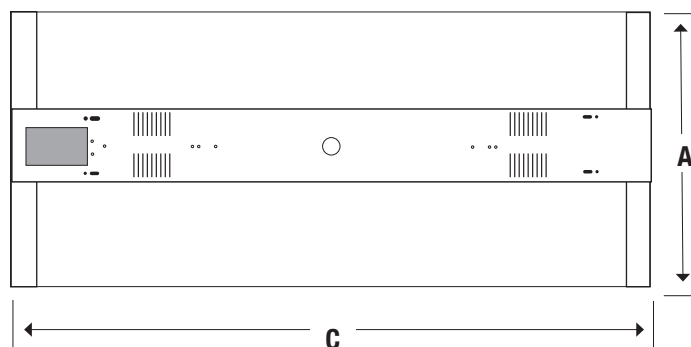
HIGH BAY MAX VALUE SERIES T8 General Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

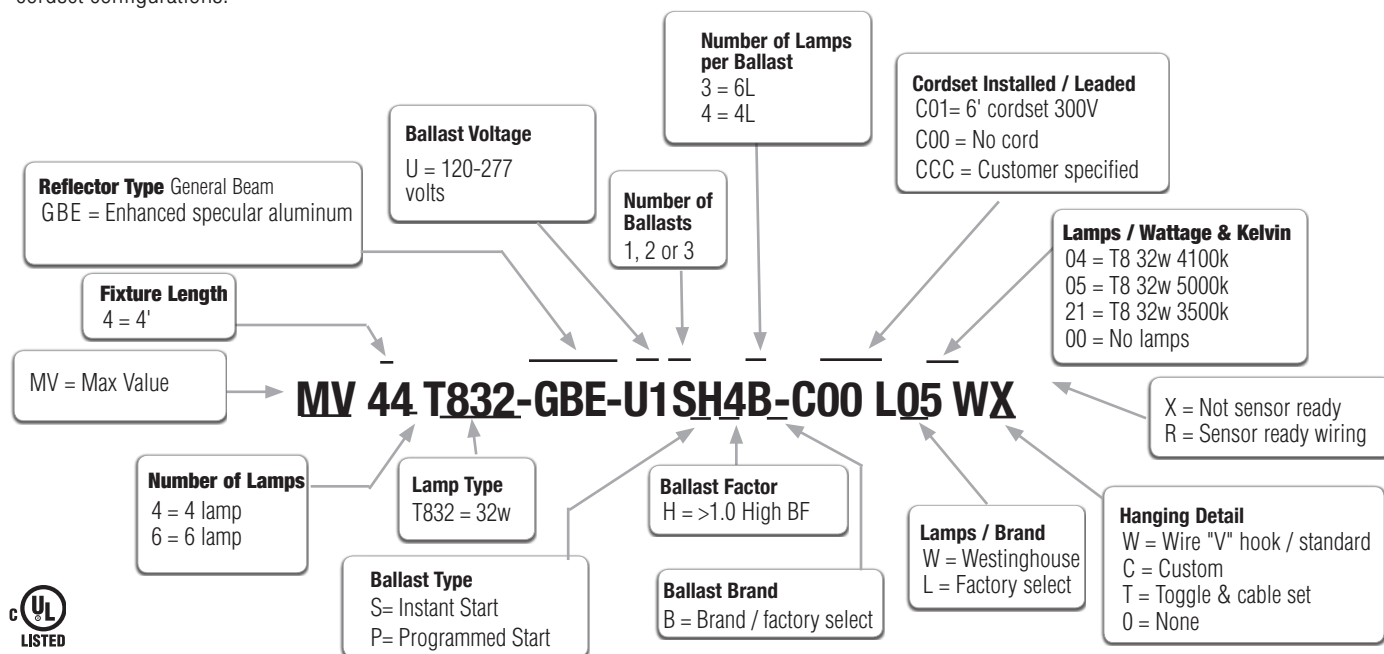


Number of LAMPS	Width (A)	Height (B)	Length (C)
4	8.375"	2.75"	48"
6	12.375"	2.75"	48"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC/ prodsht_mv_T8general.indd

Cold Storage

We have a full line of fixtures that are engineered to operate in conditioned refrigerated and freezer spaces. The engineered body is designed to trap heat and will operate effectively in cold storage/freezer applications where ambient temperatures are between 65°F and -20°F. Energy savings can exceed 75%.

Conditioned Environments:

- Food Storage
- Refrigeration
- Freezer Applications



LUMENOPTIX™
Simply Revolutionary™

Cold Storage

- **Enclosed and Gasketed (VE)** series provides our tightest seal available with a totally enclosed, sealed and gasketed fixture.

Fixture series:

- Enclosed & Gasketed (VE)



LUMENOPTIX™
Simply Revolutionary™

VE Series



A fully gasketed fixture for cold environments

Cold Storage

VE Series (Enclosed & Gasketed)



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

VE Series



LUMENOPTIX™

Simply Revolutionary™

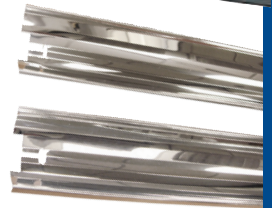
Our VE series is enclosed and gasketed to provide a water tight seal for areas that are subjected to harsh environments or frequent cleaning. Some recommended applications include food processing, docking areas, or wash down areas that maintain an ambient temperature between 78°F and -20°F.



A fully gasketed fixture for cold environments

REFLECTORS:

- Medium beam reflector
- Wide beam reflector
- General beam reflector



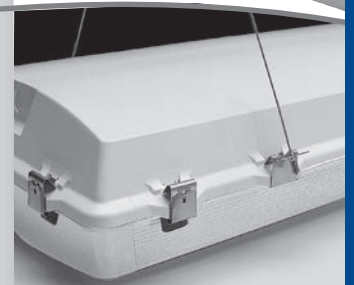
LAMPS:

Multiple fixture configurations available in T5 or T8



HOUSING:

- Engineered resin will not rust, pit or chip



APPLICATIONS:

- Manufacturing
- Warehouse / Distribution
- Conditioned Space
- Parking
- Outdoor



Cold Storage

VE Series (Enclosed & Gasketed)



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

VE

A fully gasketed fixture for cold environments

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) **T5 Medium** Beam Reflector



SPECIFICATIONS*

Housing: Engineered resin
Reflector: Enhanced specular aluminum
Lamp: T5HO 49 or 54 watt linear fluorescent
Ballast: Electronic programmed rapid start, 90°C Rated
Mounting: Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

* **VE intended for use in ambient temperatures**

KEY PHOTOMETRICS

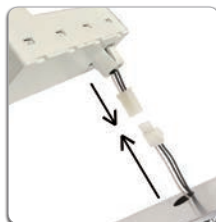
CIE Type: Direct
Plane: 0-DEG 90-DEG
Spacing Criteria: Consult Factory
Luminaire Efficiency:* Consult Factory

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Wet location and wash down design
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Twelve stainless latches, captive deluxe design
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- **Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power**

OPTIONAL ACCESSORIES *Refer to Accessory Specification*



Sensor Ready



Cord Sets
(not installed)



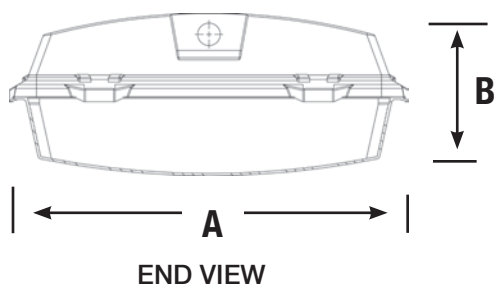
Toggle & Cable Hanging Kit

Cold Storage

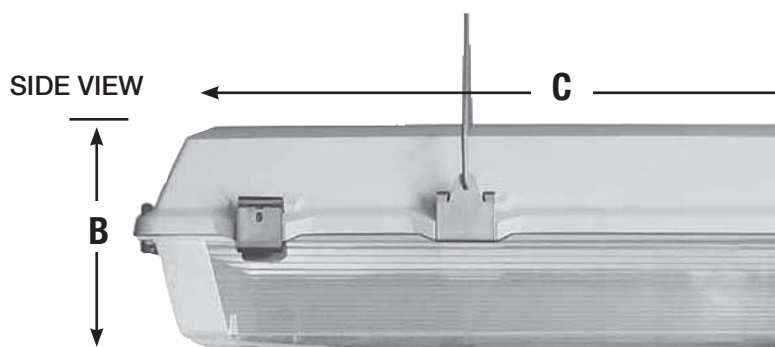
VE Series (Enclosed & Gasketed)

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T5 Medium Beam Reflector

FIXTURE CONFIGURATIONS



Number of LAMPS	Width (A)	Height (B)	Length (C)
4	14.25"	6.00"	51.91"

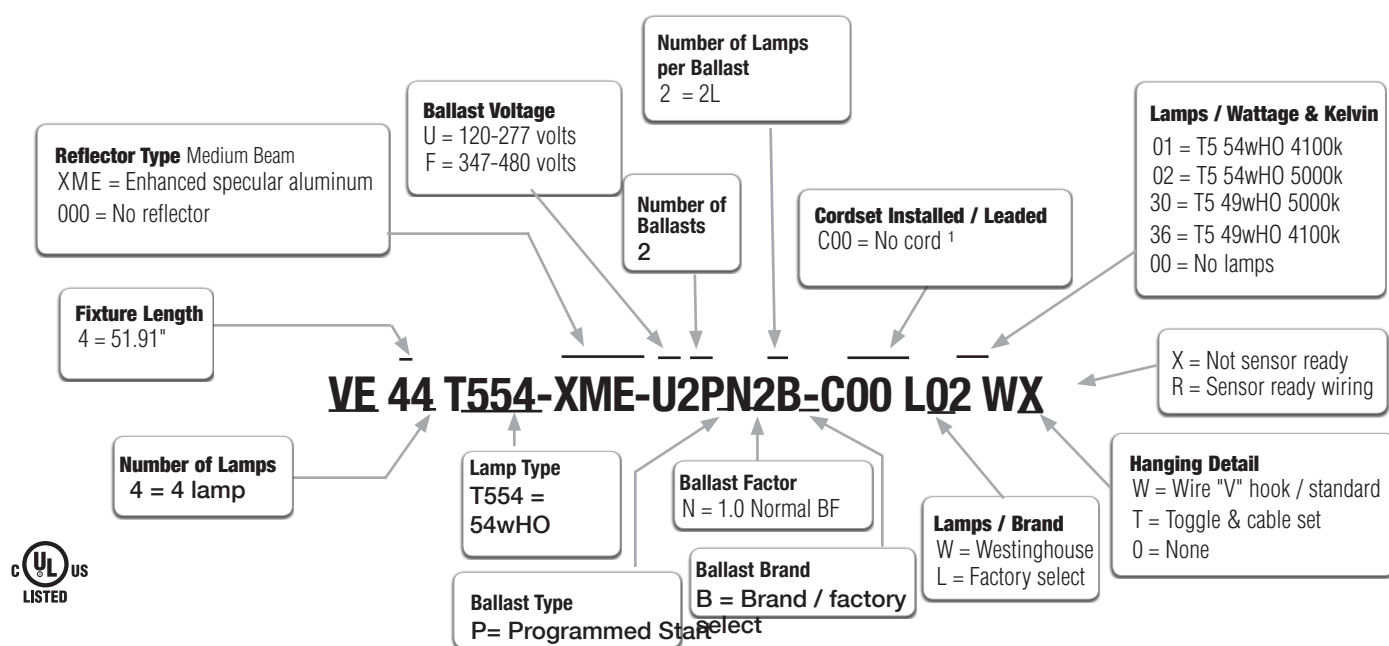


Knockouts provided on both ends.

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



¹ Fixtures cannot be shipped with cords pre-installed.
Cords must be ordered separately and assembled in the field.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC/ prodsht_VE_T5_medium.indd



A fully gasketed fixture for cold environments

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T5 Wide Beam Reflector



SPECIFICATIONS*

Housing:	Engineered resin
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

*** VE intended for use in ambient temperatures between 78°F and -20°F. For areas below 0°F please consult factory.**

KEY PHOTOMETRICS

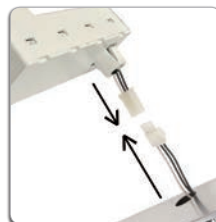
CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.3	1.3
Luminaire Efficiency:*	Consult Factory	

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Wet location and wash down design
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Twelve stainless latches, captive deluxe design
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



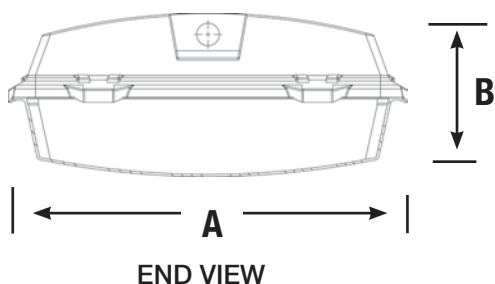
Cord Sets
(not installed)



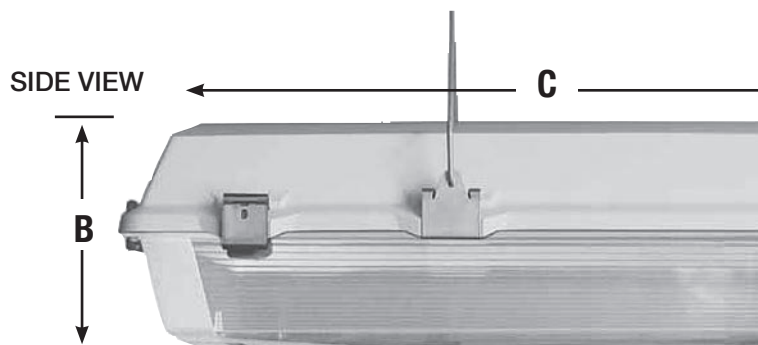
Toggle & Cable Hanging Kit

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T5 Wide Beam Reflector

FIXTURE CONFIGURATIONS



Number of LAMPS	Width (A)	Height (B)	Length (C)
4	14.25"	6.00"	51.91"

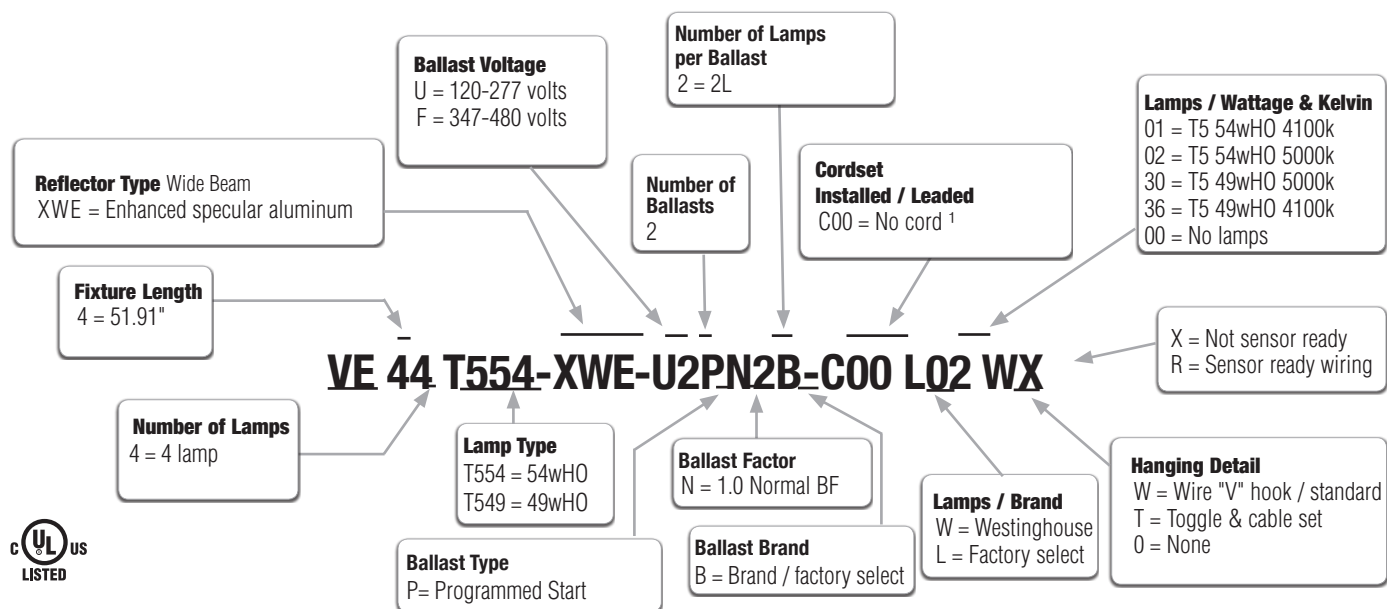


Knockouts provided on both ends.

MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



¹ Fixtures cannot be shipped with cords pre-installed.
Cords must be ordered separately and assembled in the field.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC/ prodsh_t_VE_T5_wide.indd



VE

A fully gasketed fixture for cold environments

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T5 General Beam Reflector



SPECIFICATIONS

Housing: Engineered resin
Reflector: Enhanced specular aluminum
Lamp: T5HO 49 or 54 watt linear fluorescent
Ballast: Electronic programmed rapid start, 90°C Rated
Mounting: Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

*** VE intended for use in ambient temperatures between 78°F and -20°F. For areas below 0°F please consult factory.**

KEY PHOTOMETRICS

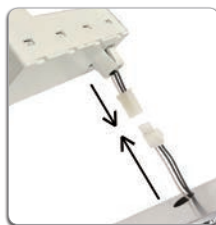
CIE Type: Direct
Plane: 0-DEG 90-DEG
Spacing Criteria: Consult Factory
Luminaire Efficiency:* Consult Factory

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Wet location and wash down design
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Twelve stainless latches, captive deluxe design
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Electronic programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



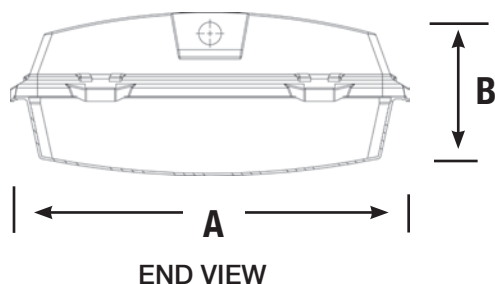
Cord Sets
(not installed)



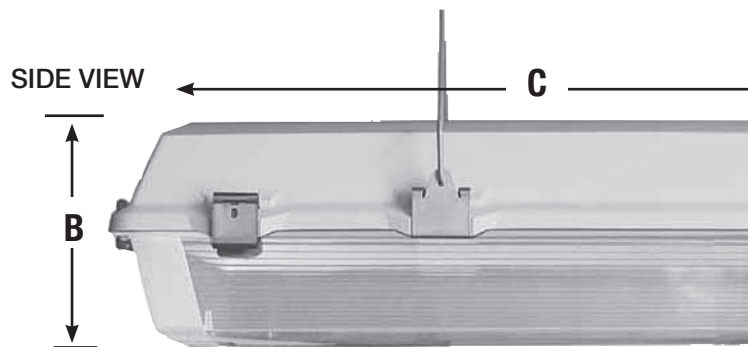
Toggle & Cable Hanging Kit

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T5 General Beam Reflector

FIXTURE CONFIGURATIONS



Number of LAMPS	Width (A)	Height (B)	Length (C)
6	14.25"	6.00"	51.91"

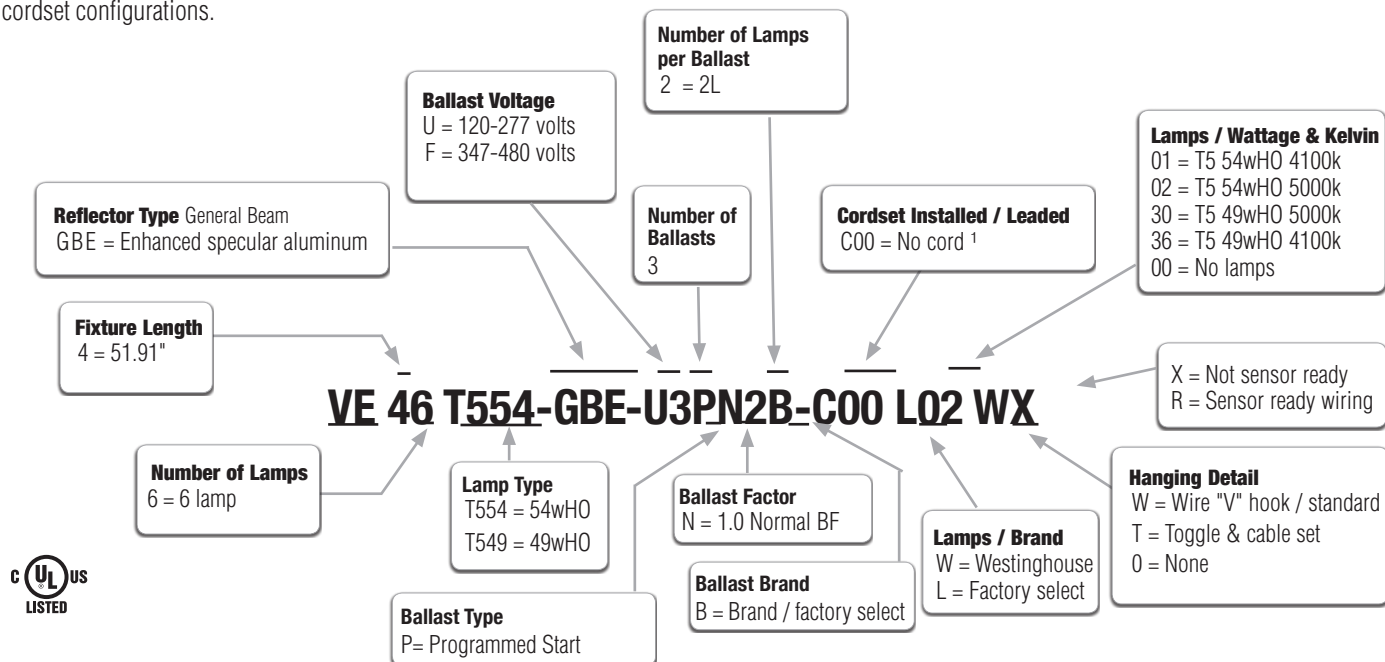


Knockouts provided on both ends.

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



¹ Fixtures cannot be shipped with cords pre-installed.
Cords must be ordered separately and assembled in the field.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC/ prodsh_t_VE_T5_genbeam.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

VE

A fully gasketed fixture for cold environments

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T8 Wide Beam Reflector



SPECIFICATIONS*

Housing: Engineered resin
Reflector: Enhanced specular aluminum
Lamp: T8 32 watt linear fluorescent
Ballast: Electronic instant start (standard), or electronic programmed rapid start (optional)
Mounting: Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

*** VE intended for use in ambient temperatures between 78°F and -20°F. For areas below 0°F please consult factory.**

KEY PHOTOMETRICS

CIE Type: Direct
Plane: 0-DEG 90-DEG
Spacing Criteria: 1.3 1.2
Luminaire Efficiency:* Consult Factory

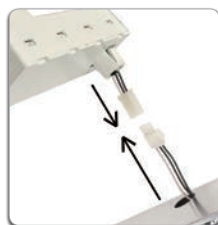
* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Wet location and wash down design
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Twelve stainless latches, captive deluxe design
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Cord Sets
(not installed)



Toggle & Cable Hanging Kit



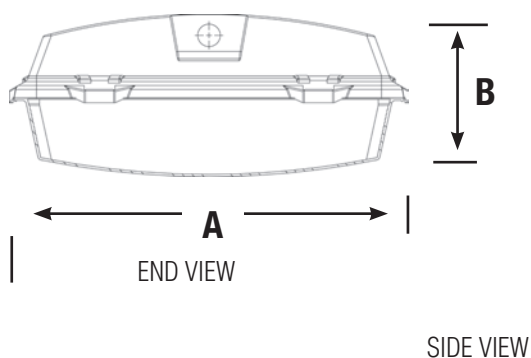
Electronic Programmed
Rapid Start Ballast

Cold Storage

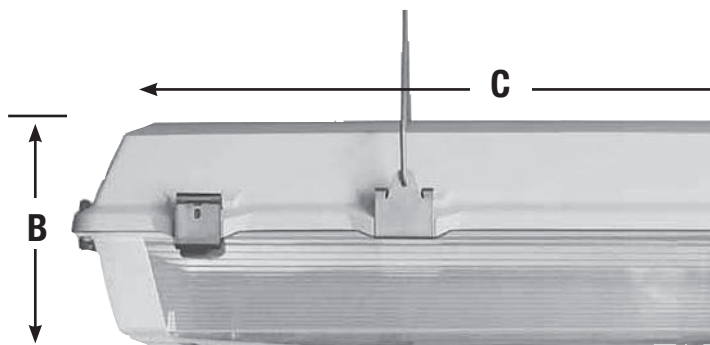
VE Series (Enclosed & Gasketed)

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T8 Wide Beam Reflector

FIXTURE CONFIGURATIONS



Number of LAMPS	Width (A)	Height (B)	Length (C)
4	14.25"	6.00"	51.91"

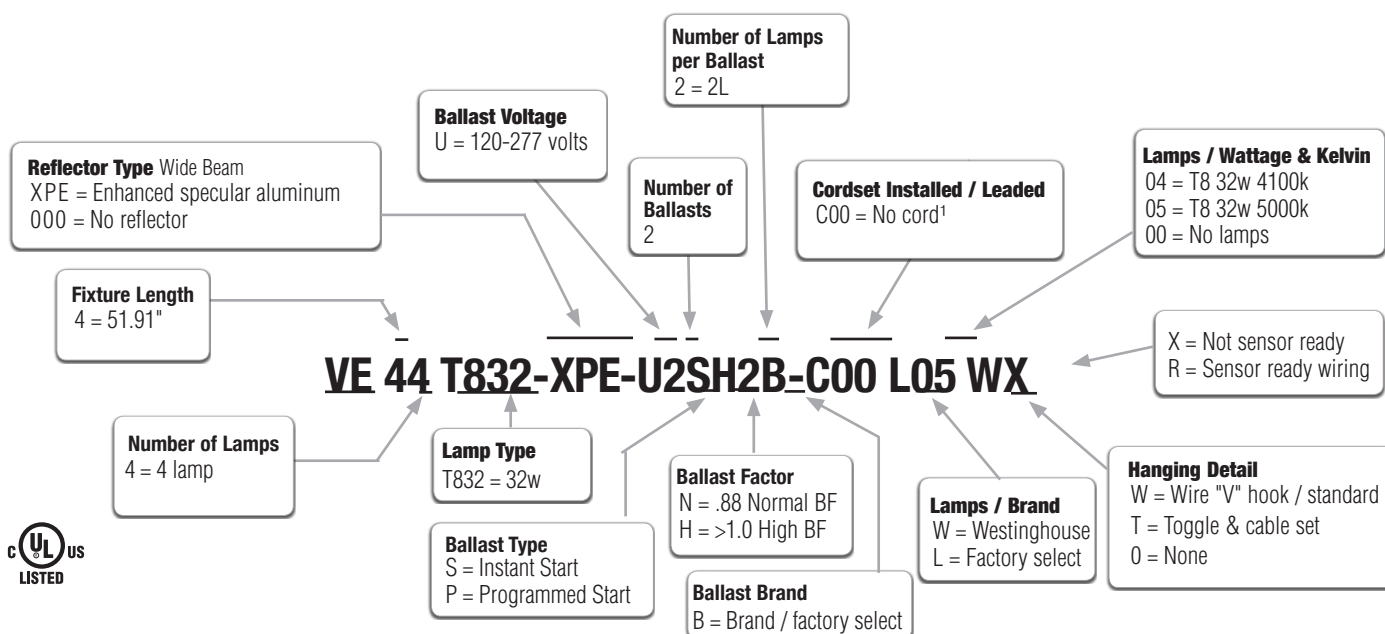


Knockouts provided on both ends.

MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



¹ Fixtures cannot be shipped with cords pre-installed.
Cords must be ordered separately and assembled in the field.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC/ prodsh_t_VE_T8_wide.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

VE

A fully gasketed fixture for cold environments

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T8 General Beam Reflector



SPECIFICATIONS

Housing: Engineered resin
Reflector: Enhanced specular aluminum
Lamp: T8 32 watt linear fluorescent
Ballast: Electronic instant start (standard), or electronic programmed rapid start (optional)
Mounting: Wire "V" hook (standard) / Optional: heavy duty mounting bracket, or toggle & cable set

*** VE intended for use in ambient temperatures between 78°F and -20°F. For areas below 0°F please consult factory.**

KEY PHOTOMETRICS

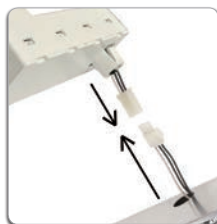
CIE Type: Direct
Plane: 0-DEG 90-DEG
Spacing Criteria: Consult Factory
Luminaire Efficiency:* Consult Factory

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Wet location and wash down design
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Twelve stainless latches, captive deluxe design
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Cord Sets
(not installed)



Toggle & Cable Hanging Kit



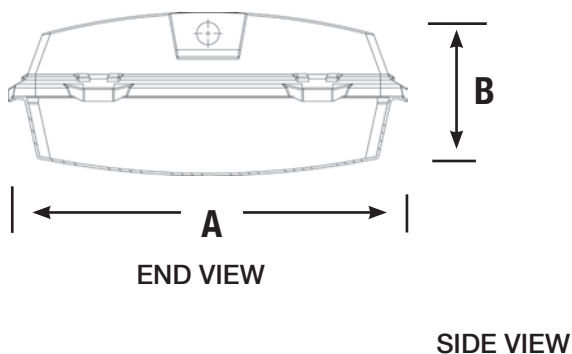
Electronic Programmed
Rapid Start Ballast

Cold Storage

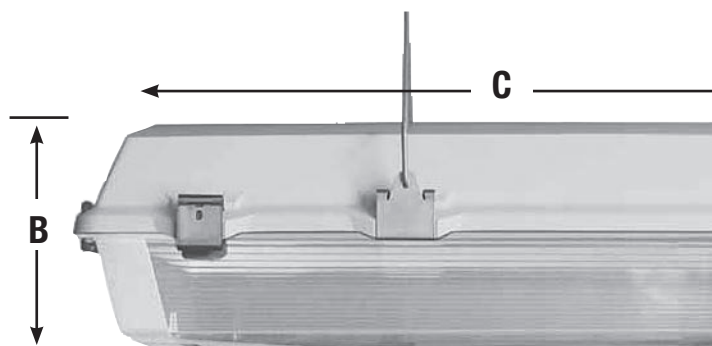
VE Series (Enclosed & Gasketed)

COLD/ WET LOCATION VE SERIES (ENCLOSED & GASKETED) T8 General Beam Reflector

FIXTURE CONFIGURATIONS



Number of LAMPS	Width (A)	Height (B)	Length (C)
6	14.25"	6.00"	51.91"

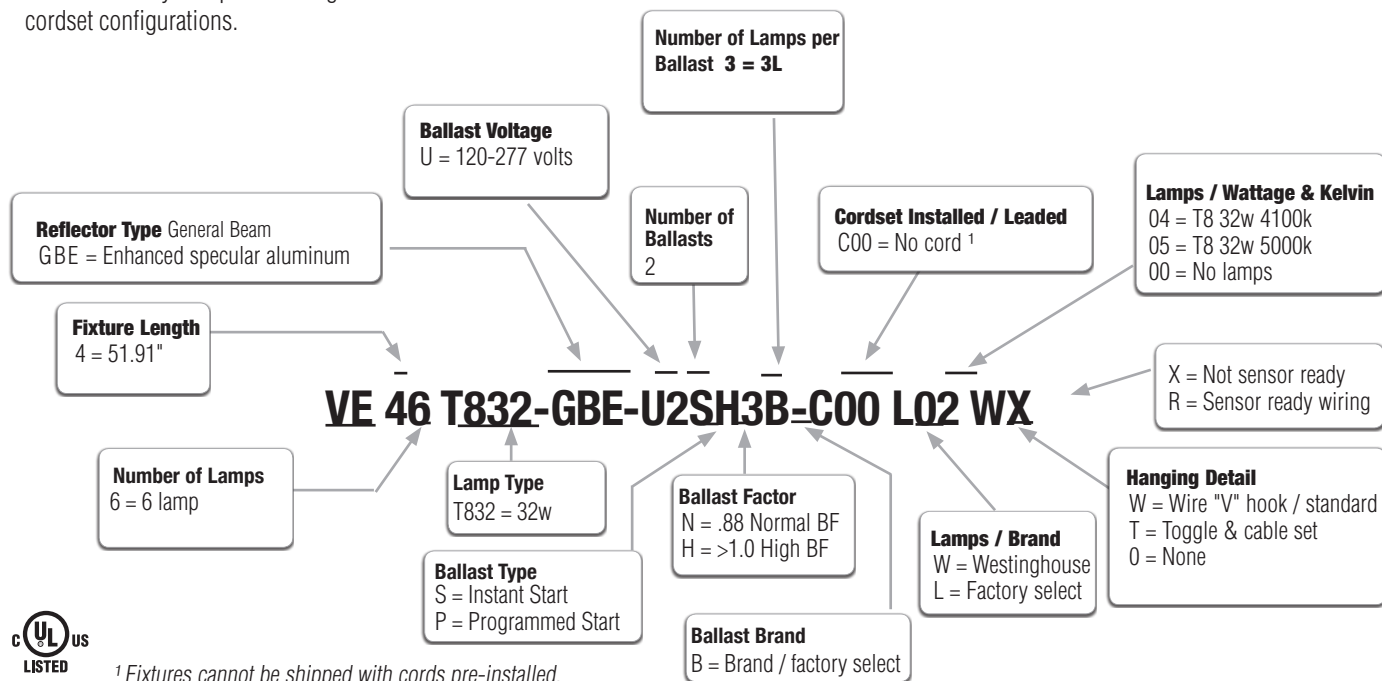


Knockouts provided on both ends.

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



¹ Fixtures cannot be shipped with cords pre-installed.
Cords must be ordered separately and assembled in the field.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com
© 2013 LumenOptix, LLC/ prodsh_t_VE_T8_genbeam.indd

Enclosed & Gasketed

Our parking/outdoor environment series is recommended to use when replacing high and low bay fixtures in wide-open areas that are indoor or outdoor, exposed to the elements, or frequently washed-down or cleaned. This enclosed series meets a IP66 or IP67 rating making it appropriate for dusty environments and for protection against high pressure wash down.

The tamper proof clips on the outdoor fixtures provide additional safeguards against acts of vandalism. In addition, the higher levels of CRI of fluorescents increase visibility, providing additional security.

- Parking Garages
- Food Processing
- Docking Areas
- Garden Centers
- Wash Down Areas



LUMENOPTIX™
Simply Revolutionary™

Enclosed & Gasketed

- The **V4** is vandal resistant and has a vacuum metallized wide beam reflector, impact resistant poly-carbonate housing UV stabilized diffuser in a low profile design. The fixture is IP66 rated.
- The **V6** has many of the same features as the V4 but is housed in a compression formed fiberglass body with either a UV stabilized poly-carbonate, or high impact acrylic lens. The fixture is IP67 rated for wet, high pressure wash down locations. Its ribbed acrylic lens offers greater lighting and style.
- The **VX** provides the IP67 rating like the V6, housed in a compression formed fiberglass body with either a water clear poly-carbonate diffuser or a high impact acrylic lens. The reflector is ultra-wide angled for maximum visibility and safety.

Fixture series:

- V4
- V6
- VX



LUMENOPTIX™
Simply Revolutionary™

"V" Series

Enclosed & Gasketed



Precision optics for
outdoor environments

Parking / Outdoor
Environments



"V" Series Enclosed & Gasketed (V4, V6, VX)



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

"V" Series

Enclosed & Gasketed



LUMENOPTIX™

Simply Revolutionary™



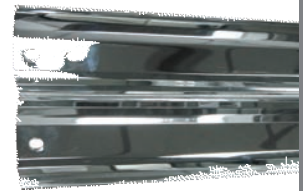
Precision optics for
outdoor environments

Parking / Outdoor
Environments

Our Enclosed & Gasketed "V" series provides a water tight seal for indoor or outdoor areas that are subjected to harsh environments or frequent cleaning. The Enclosed & Gasketed "V" series offers innovative body designs with reflector configurations that maximize space, light output, and safety. Some recommended applications include parking garages, food processing, docking areas, or wash down areas.

REFLECTORS:

- General beam reflector
- Wide beam reflector
- Extra-wide beam reflector



LAMPS:

Multiple fixture
configurations
available in T5 or T8



HOUSING:

- Durable body design
- Wet location approved
- Protection from most harsh environments
- Completely enclosed



APPLICATIONS:

- Warehouse/ Distribution
- Manufacturing
- Outdoor
- Conditioned
- Parking Garages
- Loading Docks
- Wash Down Areas
- Food Processing



"V" Series Enclosed & Gasketed (V4, V6, VX)



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

V4

A fully enclosed
innovative body

WET LOCATION V4 SERIES (ENCLOSED & GASKETED) **T5 Wide Beam Reflector**

SPECIFICATIONS

Housing: 100% Poly-carbonate
Reflector: Vacuum metallized finish for wide beam spread
Lamp: T5 28w or T5HO 49 or 54 watt linear fluorescent
Ballast: Electronic programmed rapid start, 90°C rated
Mounting: Wired "V" hook (standard)

** Lamps, latches and cords not installed.*

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	1.4
Luminaire Efficiency:*	80%	

** Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com*

FEATURES

- Precision optics
- Wet location label CSA, with wash down design
- IP66 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Eight stainless latches, captive deluxe design (not installed)
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

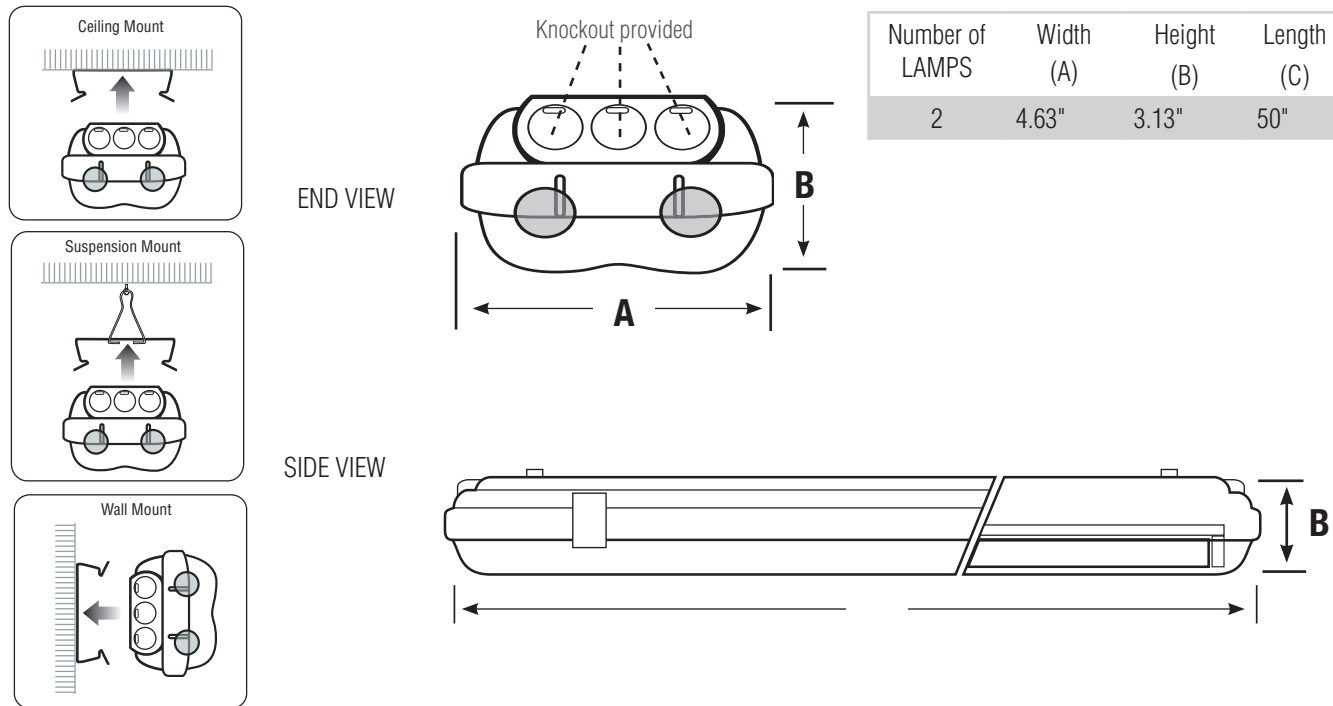
OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



*Cord Sets
(not installed)*

WET LOCATION V4 SERIES (ENCLOSED & GASKETED) T5 Wide Beam Reflector

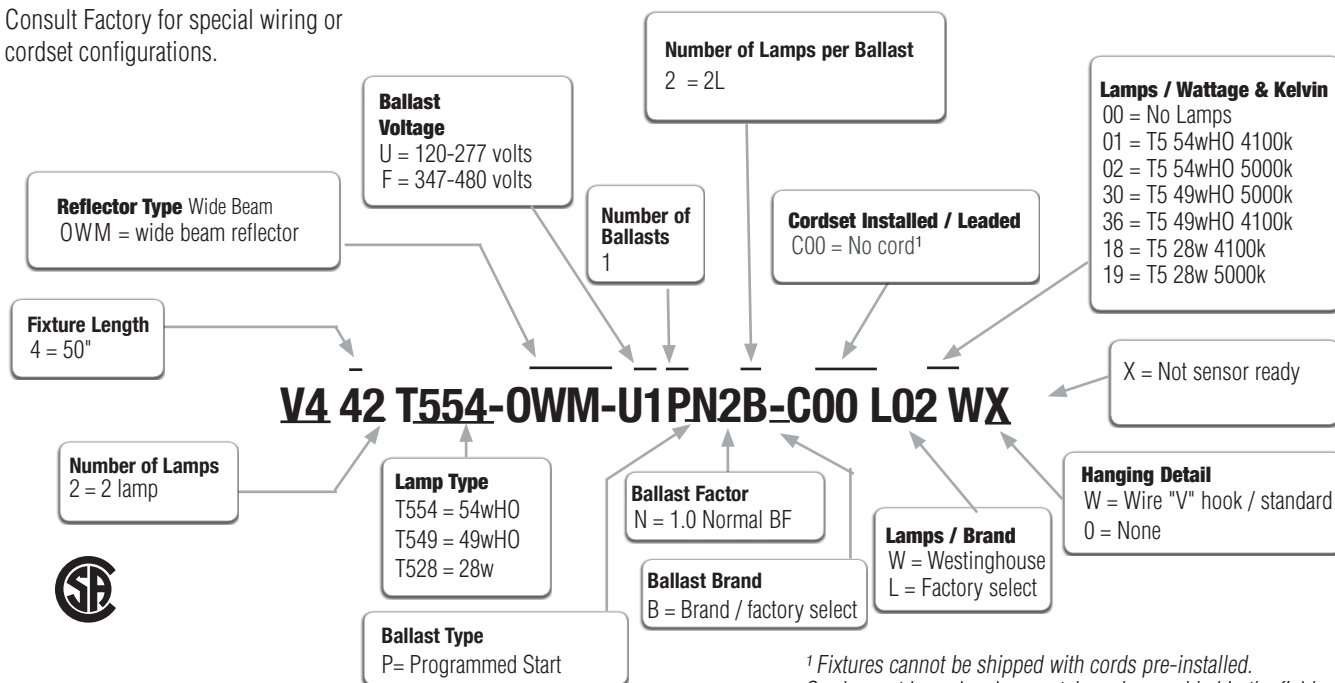
FIXTURE CONFIGURATIONS



MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



¹ Fixtures cannot be shipped with cords pre-installed.
Cords must be ordered separately and assembled in the field.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_V4_T5_wide.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

V4

A fully enclosed
innovative body

WET LOCATION

V4 SERIES (ENCLOSED & GASKETED)

T8 Wide Beam Reflector

SPECIFICATIONS

Housing: 100% Poly-carbonate
Reflector: Vacuum metallized for wide beam spread
Lamp: T8, 17 or 32 watt linear fluorescent
Ballast: Electronic instant start (standard),
or electronic programmed rapid start (optional)
Mounting: Wired "V" hook (standard)

* Lamps, latches and cords not installed.

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	1.4
Luminaire Efficiency:*	80%	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Wet location label CSA, with wash down design
- IP66 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Eight stainless latches, captive deluxe design (not installed)
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



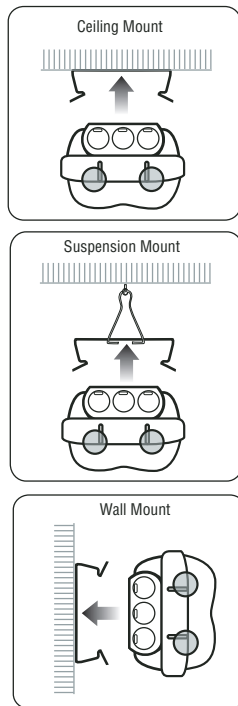
Cord Sets
(not installed)



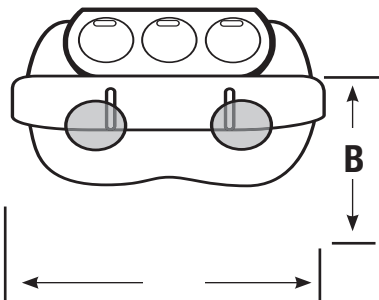
Electronic Programmed
Rapid Start Ballast

WET LOCATION V4 SERIES (ENCLOSED & GASKETED) T8 Wide Beam Reflector

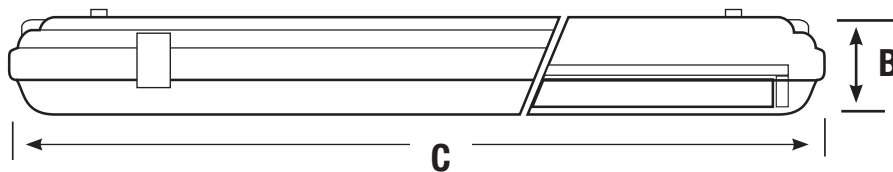
FIXTURE CONFIGURATIONS



END VIEW



SIDE VIEW

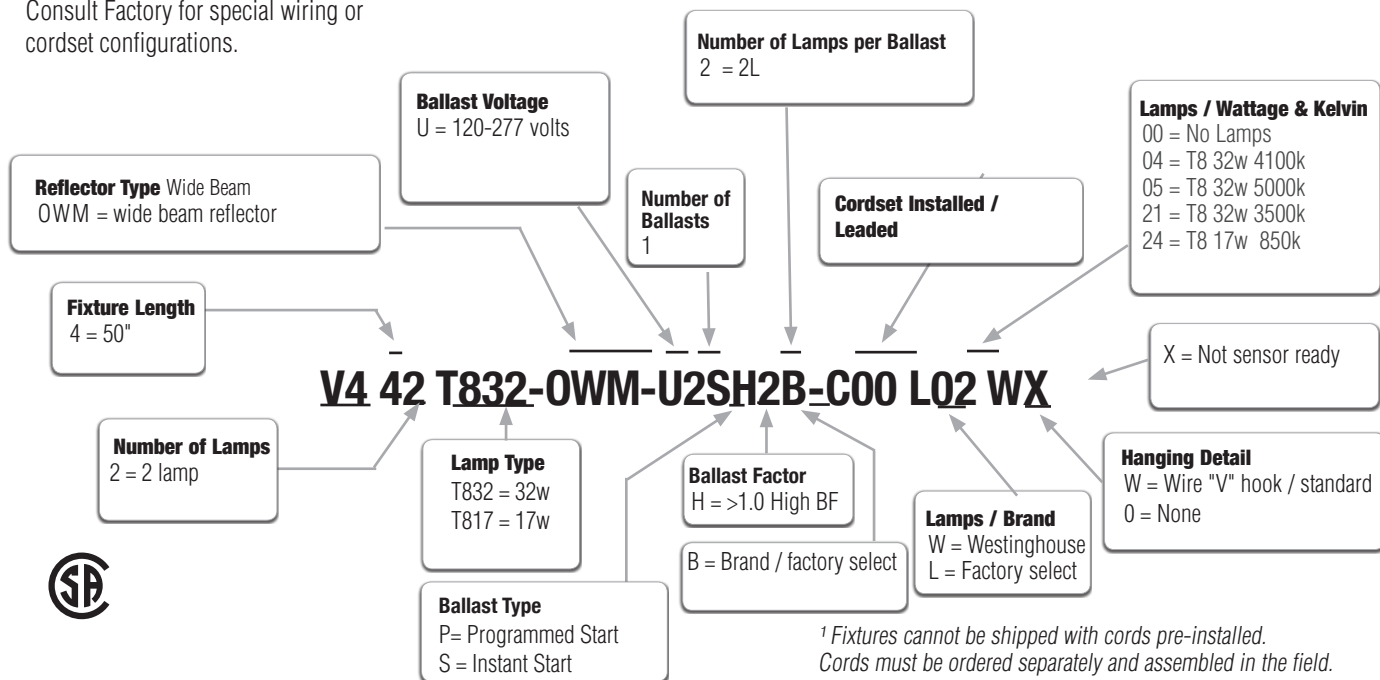


Number of LAMPS	Width (A)	Height (B)	Length (C)
2	4.63"	3.25"	50"

MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



¹ Fixtures cannot be shipped with cords pre-installed. Cords must be ordered separately and assembled in the field.



LUMENOPTIX™
Simply Revolutionary™



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

V6

A fully enclosed fixture
in a traditional body

WET LOCATION

V6 SERIES (ENCLOSED & GASKETED)

T5 General Beam Reflector

SPECIFICATIONS

Housing:	Engineered resin
Reflector:	Enhanced specular aluminum
Lamp:	T5 28w or T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C rated
Mounting:	Wired "V" hook (standard)

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	1.2
Luminaire Efficiency:*	77%	

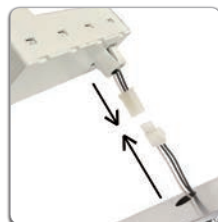
* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Wash down design
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic ribbed diffuser
- Eight poly-carbonate latches (standard), stainless steel latches (optional)
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Cord Sets



Stainless steel latches

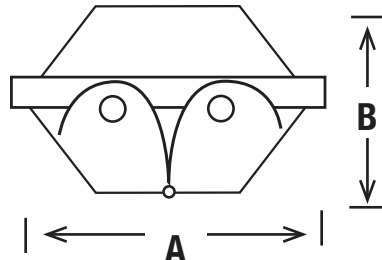
WET LOCATION

V6 SERIES (ENCLOSED & GASKETED)

T5 General Beam Reflector

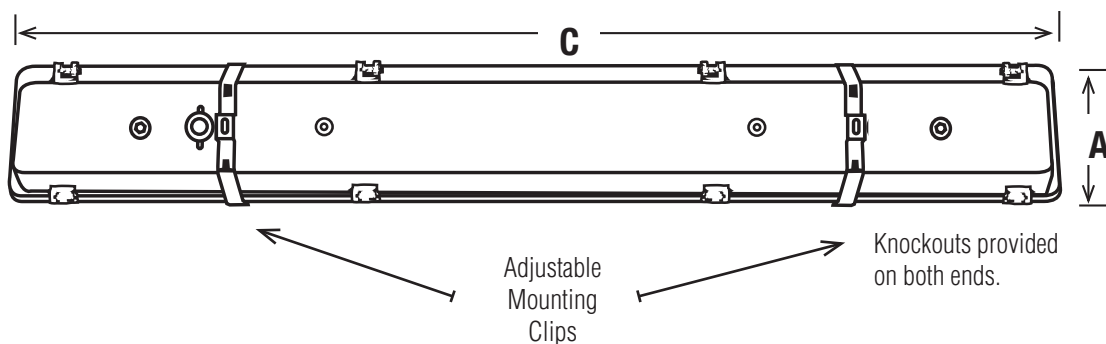
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
1	6.750"	4.25"	52"
2	6.750"	4.25"	52"
3	6.750"	4.25"	52"
2 (1+1)	6.750"	4.25"	100"
4 (2+2)	6.750"	4.25"	100"
6 (3+3)	6.750"	4.25"	100"

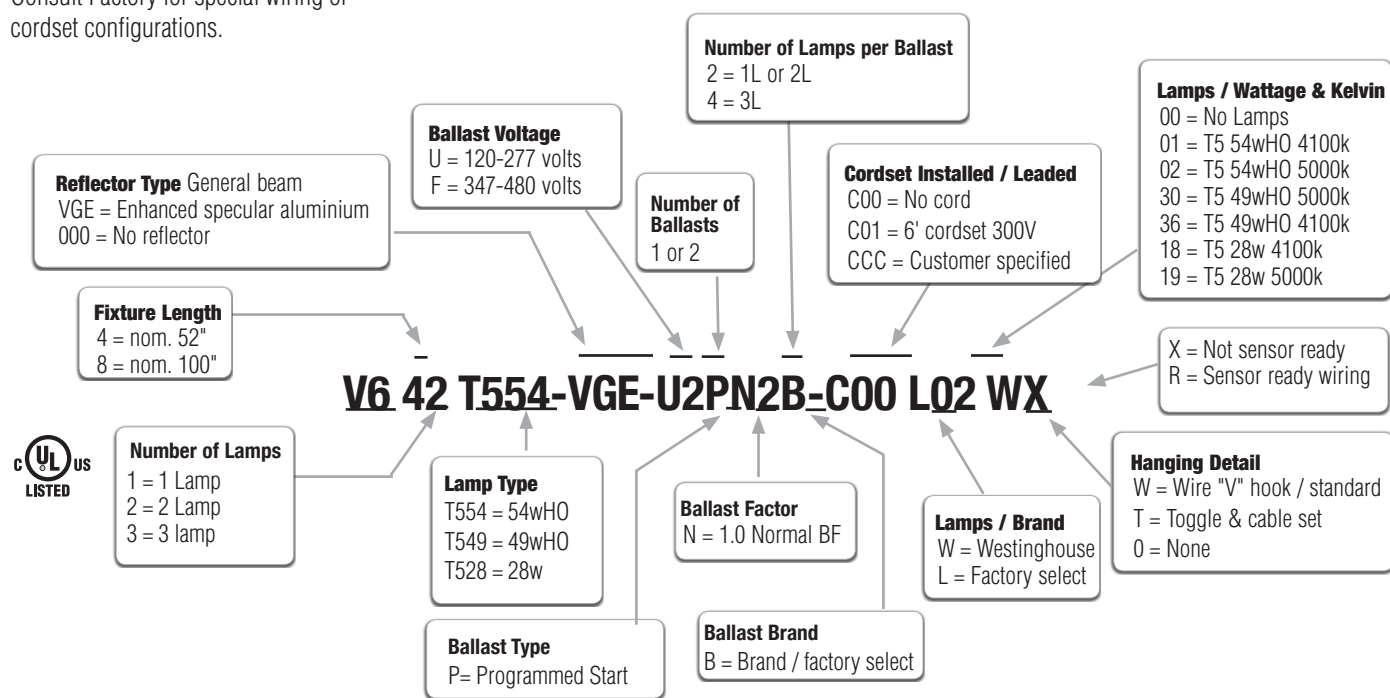
TOP VIEW



MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™



V6

A fully enclosed fixture
in a traditional body

WET LOCATION V6 SERIES (ENCLOSED & GASKETED) **T5 Asymmetrical** Beam Reflector

SPECIFICATIONS

Housing:	Engineered resin
Reflector:	Enhanced specular aluminum
Lamp:	T5 28w or T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C rated
Mounting:	Wire "V" hook (standard)

KEY PHOTOMETRICS

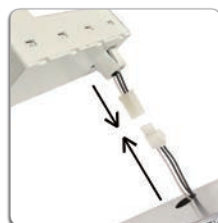
CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.2	1.2
Luminaire Efficiency:*	77%	

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Wash down design
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic ribbed diffuser
- Eight poly-carbonate latches (standard), stainless steel latches (optional)
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Cord Sets



Stainless steel latches

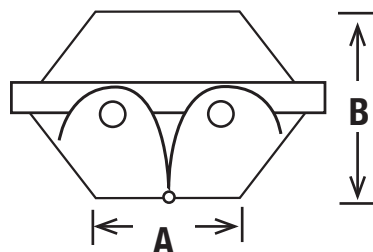
WET LOCATION

V6 SERIES (ENCLOSED & GASKETED)

T5 Asymmetrical Beam Reflector

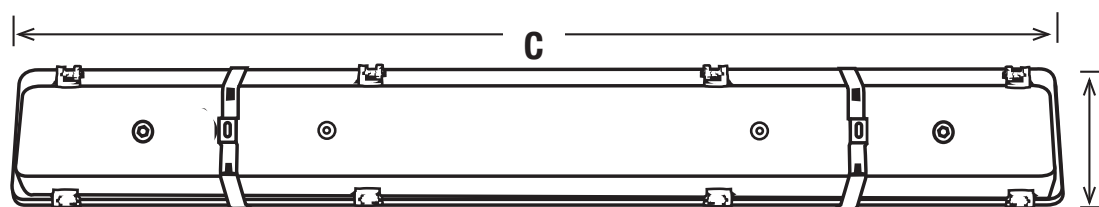
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
2	6.75"	4.250"	52"
4 (2+2)	6.75"	4.250"	100"

TOP VIEW



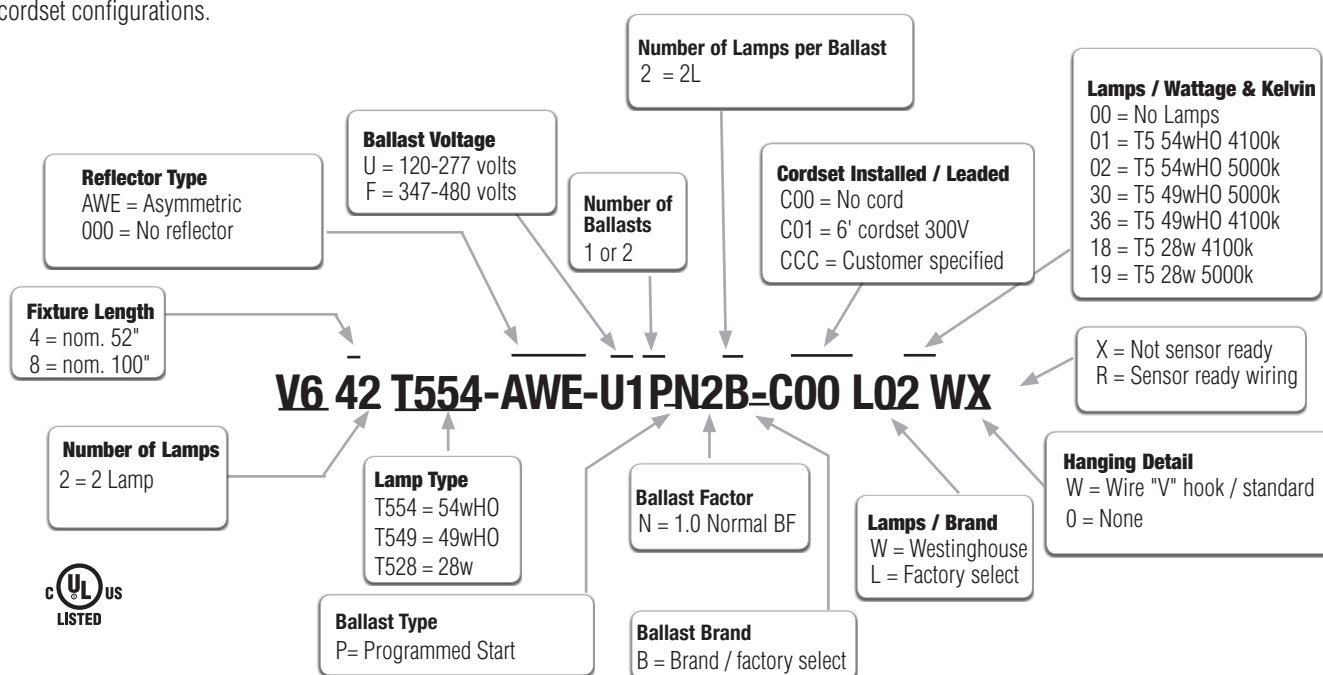
Adjustable Mounting Clips

Knockouts provided on both ends.

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

**LUMENOPTIX™**

Simply Revolutionary™

Type

Model #

Date

Project Name

V6A fully enclosed fixture
in a traditional body**WET LOCATION****V6 SERIES** (ENCLOSED & GASKETED)**T8 General Beam Reflector****SPECIFICATIONS**

Housing:	Engineered resin
Reflector:	Enhanced specular aluminum
Lamp:	T8 32 watt linear fluorescent
Ballast:	Electronic instant start (standard), or electronic programmed rapid start (optional)
Mounting:	Wire "V" hook (standard)

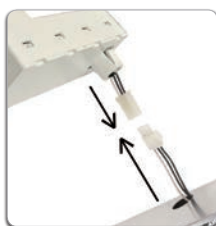
KEY PHOTOMETRICS

CIE Type:	Direct
Plane:	0-DEG 90-DEG
Spacing Criteria:	Consult Factory
Luminaire Efficiency:*	Consult Factory

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com**FEATURES**

- Precision optics
- Wash down design
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic ribbed diffuser
- Eight poly-carbonate latches (standard), stainless steel latches (optional)
- Withstands moderate impacts
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*

Sensor Ready



Cord Sets



Stainless steel latches

Electronic Programmed
Rapid Start Ballast

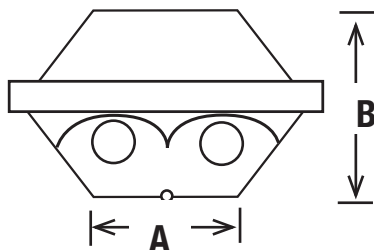
WET LOCATION

V6 SERIES (ENCLOSED & GASKETED)

T8 General Beam Reflector

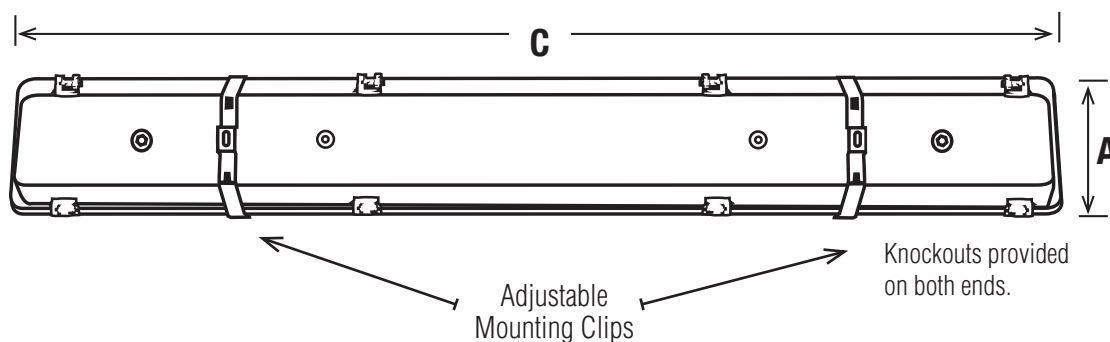
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
1	6.750"	4.25"	52"
2	6.750"	4.25"	52"
3	6.750"	4.25"	52"
2 (1+1)	6.750"	4.25"	100"
4 (2+2)	6.750"	4.25"	100"
6 (3+3)	6.750"	4.25"	100"

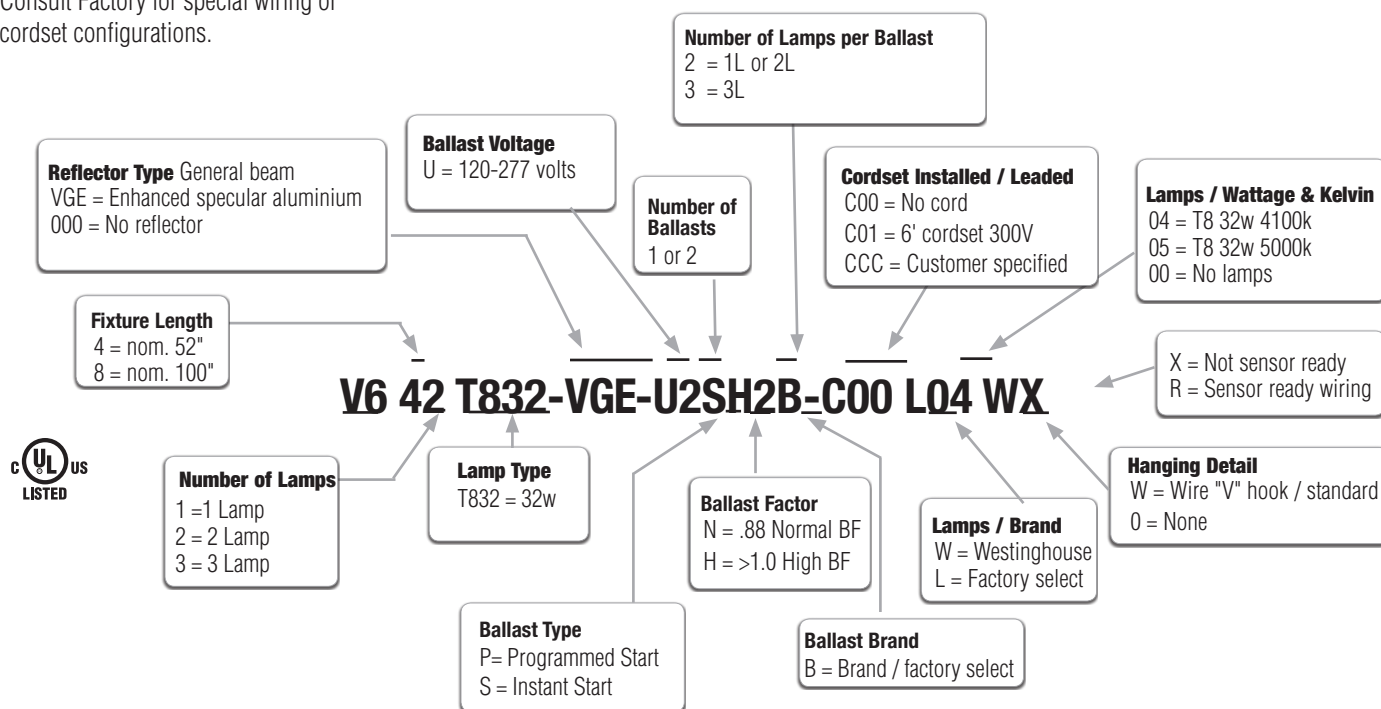
TOP VIEW



MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_t_V6_T8_general.indd



VX

Broad beam lighting in
a fully enclosed fixture

WET LOCATION
VX SERIES (ENCLOSED & GASKETED)
T5 Extra-Wide Beam Reflector



SPECIFICATIONS

Housing:	Engineered resin
Reflector:	Enhanced specular aluminum
Lamp:	T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard)

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.23	2.20
Luminaire Efficiency:*	Consult factory	

* Total luminaire efficiency varies by model.
For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Broad beam lighting in a fully enclosed fixture
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Eight poly-carbonate latches (standard), stainless steel latches (optional)
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



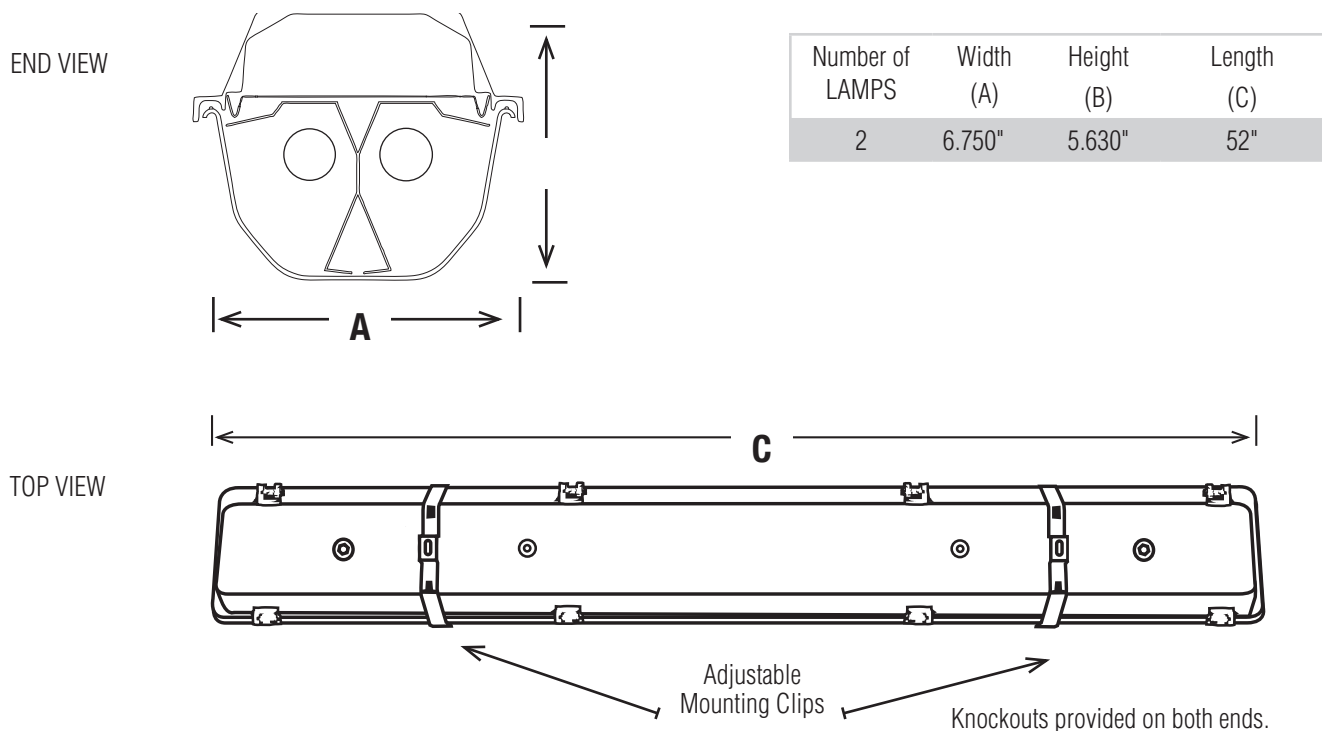
Cord Sets



Stainless steel latches

WET LOCATION VX SERIES (ENCLOSED & GASKETED) **T5 Extra-Wide** Beam Reflector

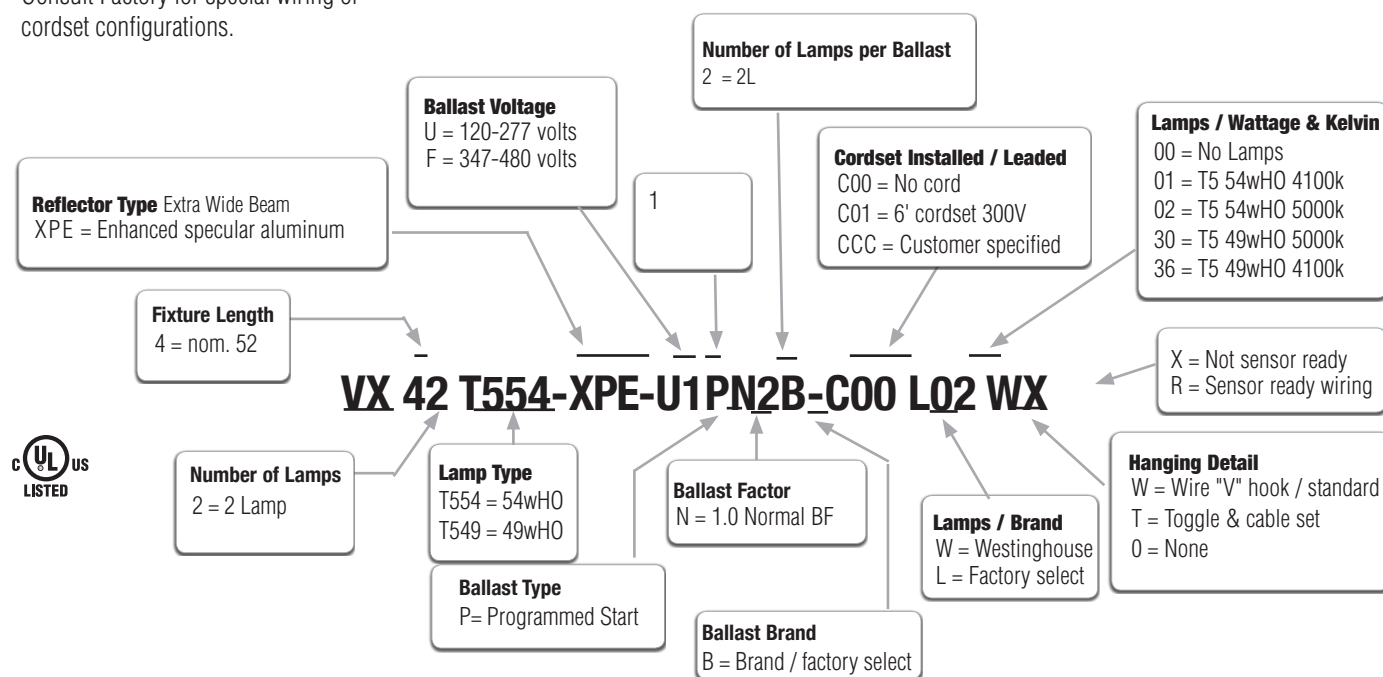
FIXTURE CONFIGURATIONS



MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_VX_T5_Xwide.indd



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

VX

Broad beam lighting in
a fully enclosed fixture

WET LOCATION VX SERIES (ENCLOSED & GASKETED) **T8 Extra-Wide** Beam Reflector



SPECIFICATIONS

Housing:	Engineered resin
Reflector:	Enhanced specular aluminum
Lamp:	T8 32 watt linear fluorescent
Ballast:	Electronic instant start (standard), or electronic programmed rapid start (optional)
Mounting:	Wire "V" hook (standard)

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.23	1.73
Luminaire Efficiency:*	Consult factory	

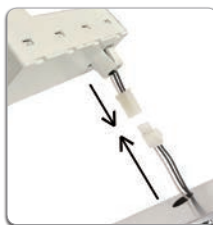
* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Broad beam lighting in a fully enclosed fixture
- IP67 rated
- Complete containment of lighting equipment with a U.V. stabilized 100% acrylic clear diffuser
- Eight poly-carbonate latches (standard), stainless steel latches (optional)
- Easy removable gear tray and tool-less ballast access
- One knockout at each end
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Cord Sets



Stainless steel latches



Electronic Programmed
Rapid Start Ballast

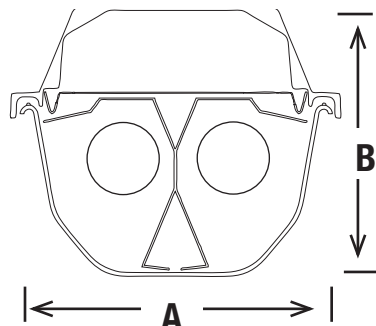
Parking / Outdoor Environments

VX Series Enclosed & Gasketed

WET LOCATION VX SERIES (ENCLOSED & GASKETED) T8 Extra-Wide Beam Reflector

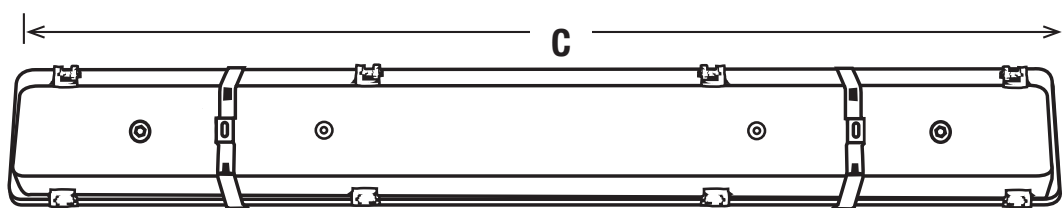
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
2	6.750"	5.630"	52"

TOP VIEW



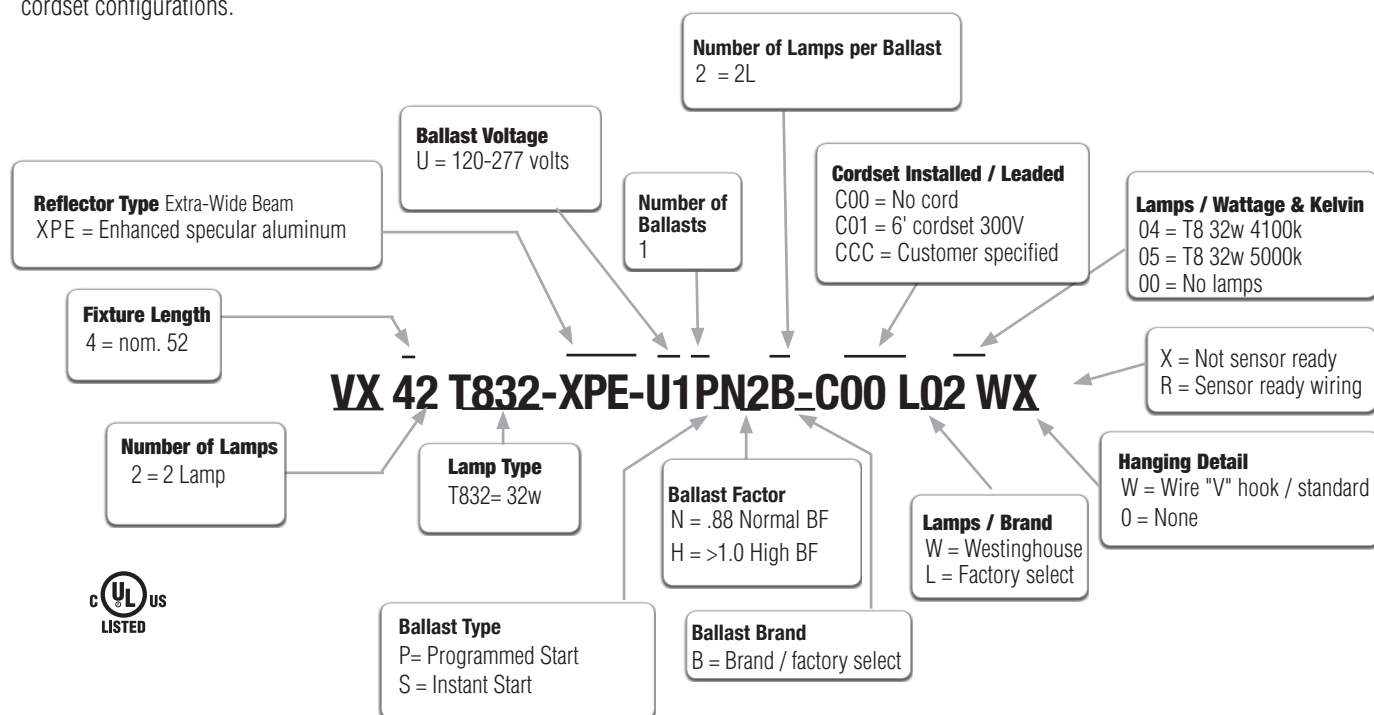
Adjustable
Mounting Clips

Knockouts provided on both ends.

MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodsh_VX_T8_Xwide.indd

Retail

LumenOptix's retail fixtures are designed to increase energy efficiency and provide a comfortable retail environment. Our fixtures offer aesthetics, improved color-rendering index (CRI) and reduced glare to enhance your customers' experience.

Our fixtures are typically used to enhance visibility and displays in retail settings including shopping malls, supermarkets, boutiques, showrooms, medical buildings and health clubs.

Retail Environments

- Boutiques
- Health Clubs
- Shopping Malls
- Showrooms
- Supermarkets



LUMENOPTIX™
Simply Revolutionary™

Retail

- **Architectural (AR) series** with its attractive bladed louvered design provides cut off and reduced glare.

Fixture series:

- Architectural (AR)



LUMENOPTIX™
Simply Revolutionary™

Architectural Series



Reduced glare for
retail environments

Retail



Architectural Series (AR)



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

Architectural Series



LUMENOPTIX™

Simply Revolutionary™

Our Architectural series offers a bladed louver design with optional up lighting to reduce glare and provide proper cutoff angles for the best in product presentation. A well designed fixture that is cosmetically appealing to the customer.

AR

Reduced glare for retail environments

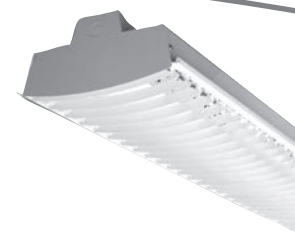
REFLECTORS:

- General beam reflector
- Wide beam reflector
- Up-lighting available



LAMPS:

Multiple fixture configurations available in T5 or T8



HOUSING:

- Attractive formed aluminum / steel body
- White powder coat finish
- Available with up-light as shown



APPLICATIONS:

- Boutiques
- Health clubs
- Reception areas
- Retail environments
- Shopping malls
- Showrooms
- Supermarkets



Retail

Architectural Series (AR)



AR

Reduced glare for retail environments

RETAIL ARCHITECTURAL SERIES **T5 Wide** Beam Reflector

SPECIFICATIONS

Housing:	Attractive formed steel body
Reflector:	Enhanced specular aluminum
Lamp:	T5 28w or T5HO 49 or 54 watt linear fluorescent
Ballast:	Electronic programmed rapid start, 90°C Rated
Mounting:	Wire "V" hook (standard) / Optional: toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.1	0.9
Luminaire Efficiency:*	89%	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Blade louver for high angle cut off, eliminates glare
- Up-light optional
- Topside wire access plate
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Cord Sets



Toggle & Cable Hanging Kit



High Reflectance White Reflector

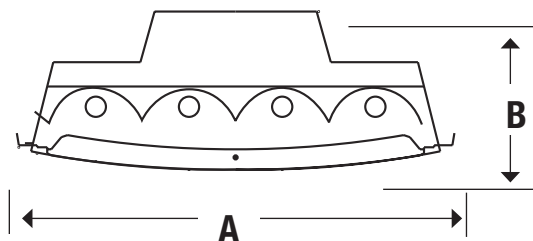


Up-light available

RETAIL ARCHITECTURAL SERIES T5 Wide Beam Reflector

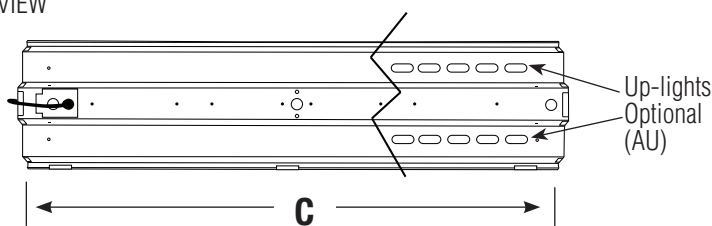
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
3	11.000"	4.880"	48"
4	13.130"	4.880"	48"
6	19.000"	5.250"	48"

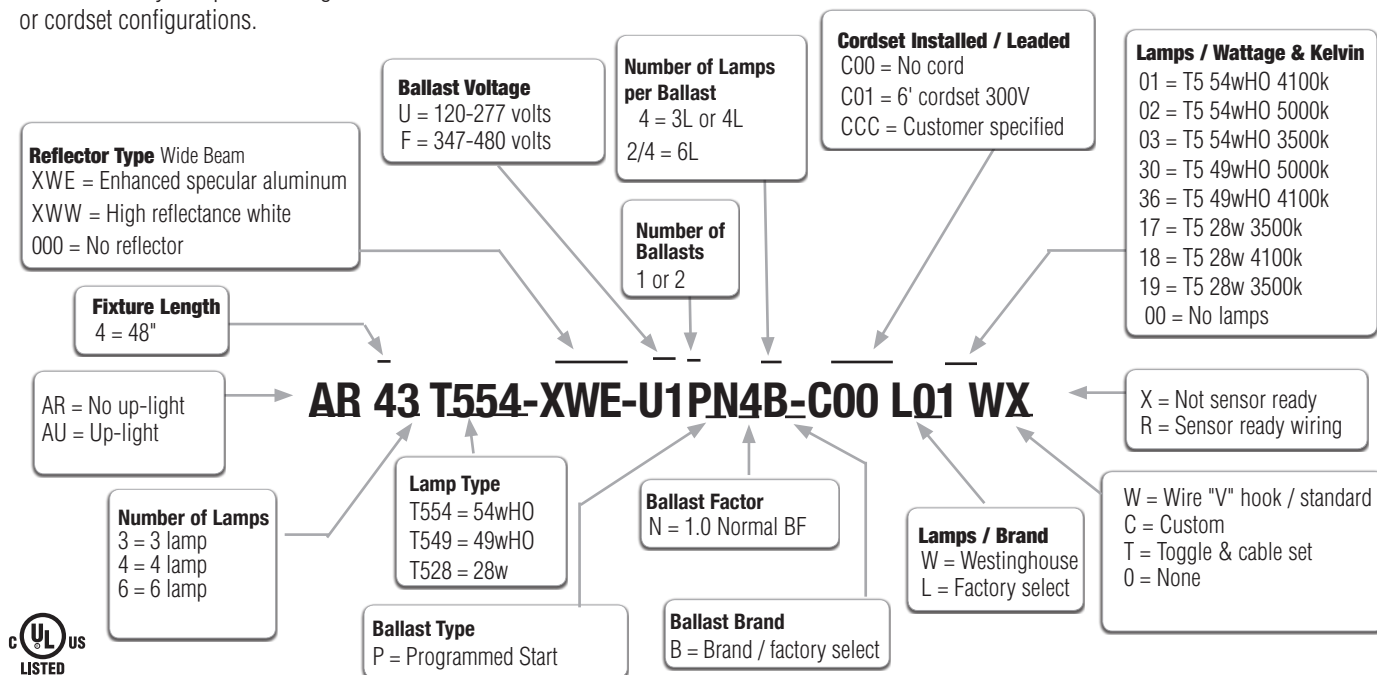
TOP VIEW



MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodshl_AR_T5_wide.indd



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

AR

Reduced glare for
retail environments

RETAIL ARCHITECTURAL SERIES **T5 General** Beam Reflector



SPECIFICATIONS

Housing:	Attractive formed steel body	
Reflector:	Enhanced specular aluminum	
Lamp:	T5 28w or T5HO 49 or 54 watt linear fluorescent	
Ballast:	Electronic programmed rapid start, 90°C Rated	
Mounting:	Wire "V" hook (standard) / Optional: toggle & cable set	

KEY PHOTOMETRICS

CIE Type:	Direct	
Plane:	0-DEG	90-DEG
Spacing Criteria:	1.1	1.0
Luminaire Efficiency:*	84%	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Blade louver for high angle cut off, eliminates glare
- Up-light optional
- Topside wire access plate
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- Programmed rapid start ballast with sensing capabilities provides instant on in event of power outage
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES *Refer to Accessory Specification Sheet*



Sensor Ready



Cord Sets



Toggle & Cable Hanging Kit



High Reflectance
White Reflector

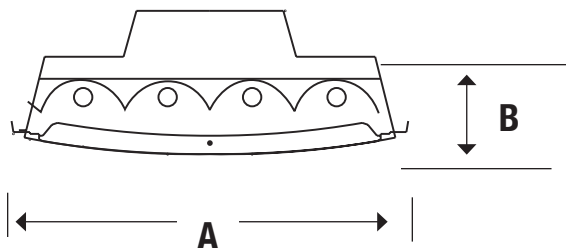


Up-light available

RETAIL ARCHITECTURAL SERIES T5 General Beam Reflector

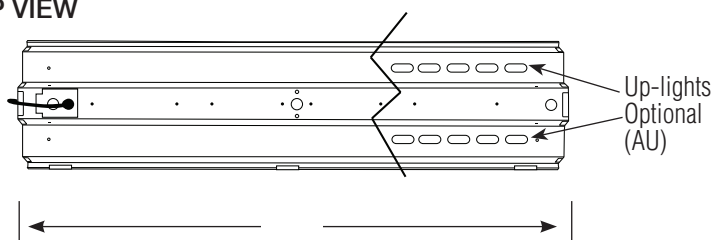
FIXTURE CONFIGURATIONS

END VIEW



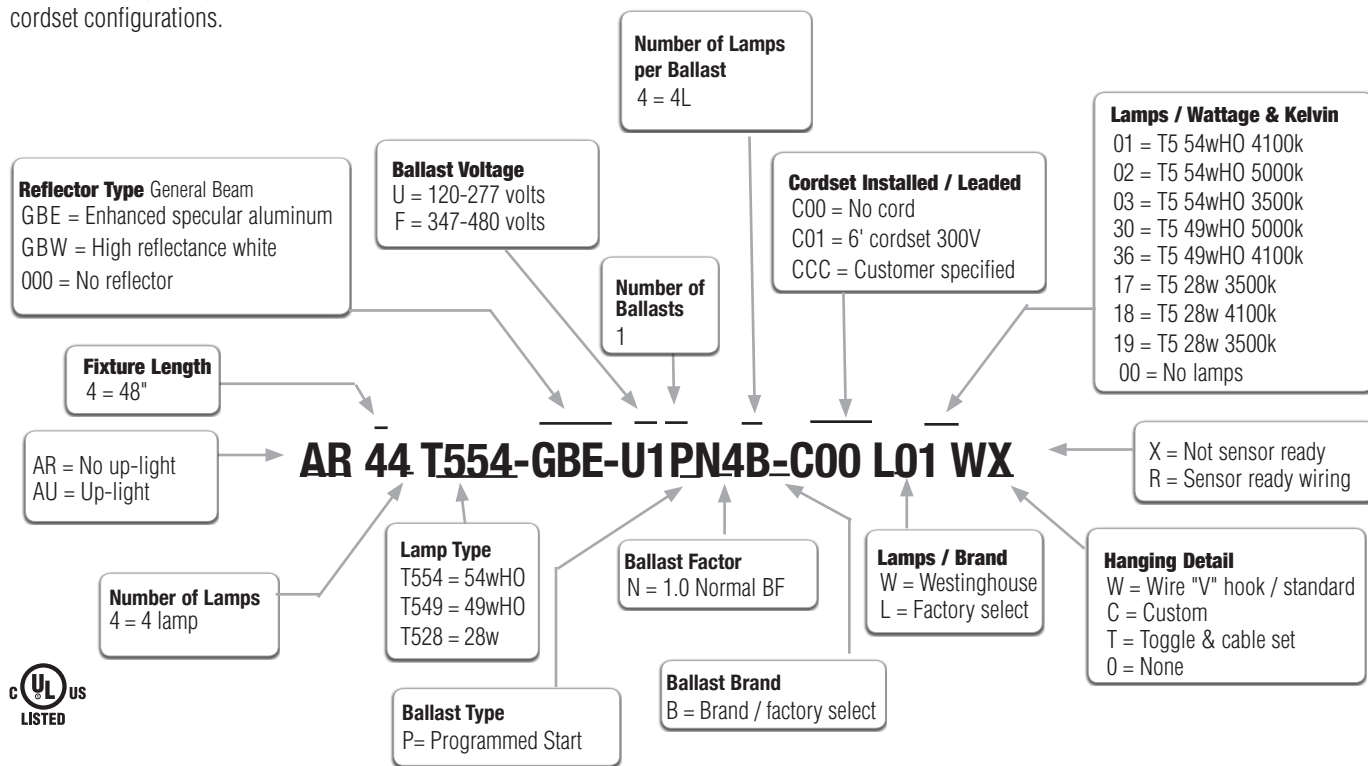
Number of LAMPS	Width (A)	Height (B)	Length (C)
4	11.000"	4.880"	48"

TOP VIEW



MODEL NUMBER INFORMATION *See below for most requested options. Refer to Ordering Key for more options.*

Consult Factory for special wiring or cordset configurations.


LUMENOPTIX™

Simply Revolutionary™

 Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC / prodshl_AR_T5_general.indd



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

AR

Reduced glare for
retail environments

RETAIL ARCHITECTURAL SERIES T8 Wide Beam Reflector

SPECIFICATIONS

Housing:	Attractive formed steel body
Reflector:	Enhanced specular aluminum
Lamp:	T8 32 watt linear fluorescent
Ballast:	Electronic instant start (standard), or electronic programmed rapid start (optional)
Mounting:	Wire "V" hook (standard) / Optional: toggle & cable set

KEY PHOTOMETRICS

CIE Type:	Direct
Plane:	0-DEG 90-DEG
Spacing Criteria:	Consult Factory
Luminaire Efficiency:*	89%

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

FEATURES

- Precision optics
- Blade louver for high angle cut off, eliminates glare
- Up-light optional
- Topside wire access plate
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- **Made in USA, ARRA and Buy American Act compliant**

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Toggle & Cable Hanging Kit



Electronic Programmed
Rapid Start Ballast



Cord Sets



High Reflectance White
Reflector



Up-light available

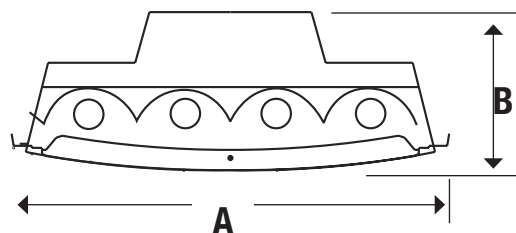
Retail

Architectural Series (AR)

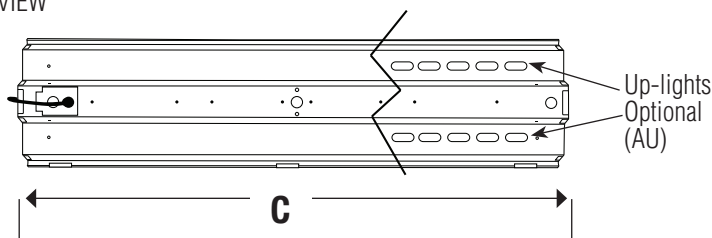
RETAIL ARCHITECTURAL SERIES T8 Wide Beam Reflector

FIXTURE CONFIGURATIONS

END VIEW



TOP VIEW

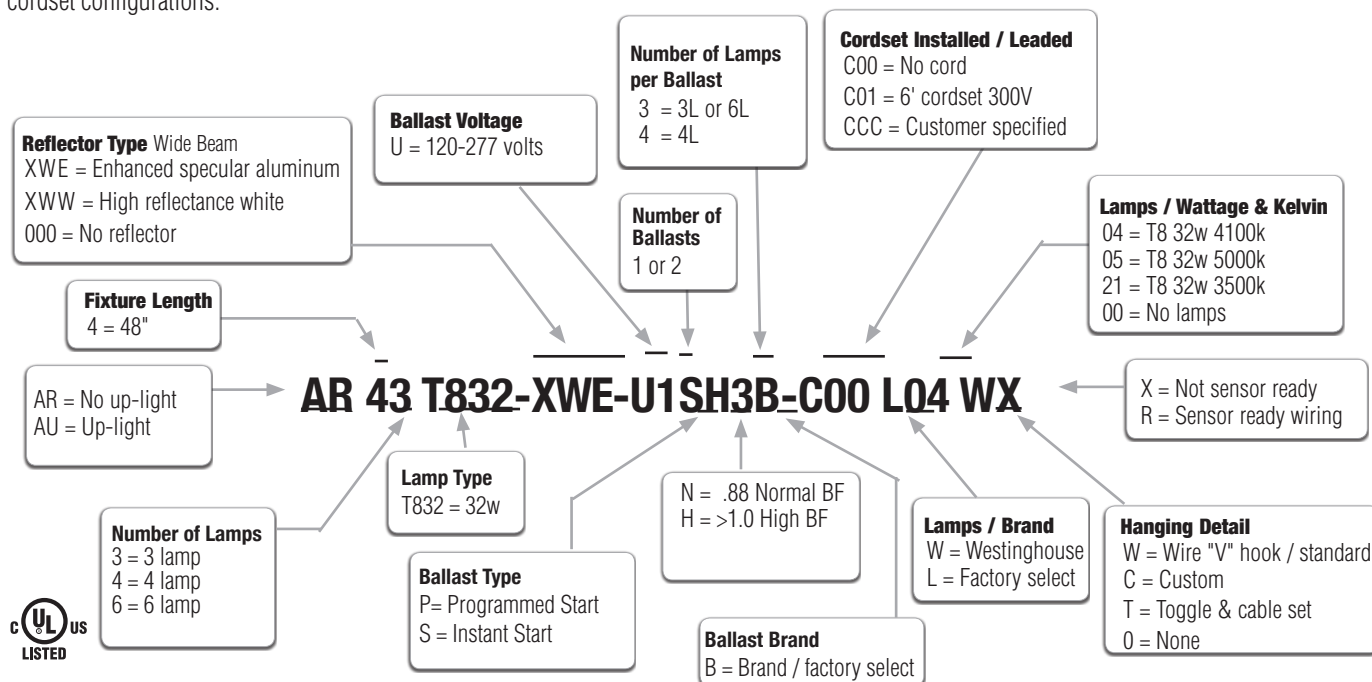


Number of LAMPS	Width (A)	Height (B)	Length (C)
3	11.000"	4.880"	48"
4	13.130"	4.880"	48"
6	19.000"	5.250"	48"

MODEL NUMBER INFORMATION

See below for most requested options. Refer to Ordering Key for more options.

Consult Factory for special wiring or cordset configurations.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC/ prodsh_t8_wide.indd



LUMENOPTIX™
Simply Revolutionary™

Type

Model #

Date

Project Name

AR

Reduced glare for
retail environments

RETAIL ARCHITECTURAL SERIES **T8 General** Beam Reflector



SPECIFICATIONS

Housing:	Attractive formed steel body
Reflector:	Enhanced specular aluminum
Lamp:	T8 32 watt linear fluorescent
Ballast:	Electronic instant start (standard), or electronic programmed rapid start (optional)
Mounting:	Wire "V" hook (standard) / Optional: toggle & cable set

FEATURES

- Precision optics
- Blade louver for high angle cut off, eliminates glare
- Up-light optional
- Topside wire access plate
- Multiple fixture configurations available
- Lamps included and factory installed
- Rotary lock lamp holders
- Reflectors pre-peeled and installed
- Post painted powder coat finish
- **Made in USA, ARRA and Buy American Act compliant**

KEY PHOTOMETRICS

CIE Type:	Direct
Plane:	0-DEG 90-DEG
Spacing Criteria:	Consult factory
Luminaire Efficiency:*	

* Total luminaire efficiency varies by model.

For LAB Test Reports contact us at info@LumenOptix.com

OPTIONAL ACCESSORIES Refer to Accessory Specification Sheet



Sensor Ready



Toggle & Cable Hanging Kit



Electronic Programmed
Rapid Start Ballast



Cord Sets



High Reflectance
White Reflector

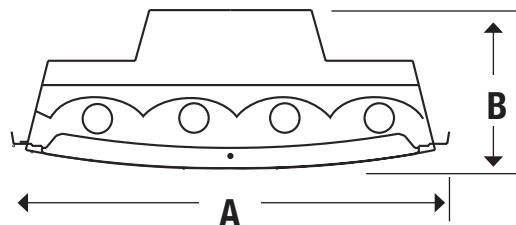


Up-light available

RETAIL ARCHITECTURAL SERIES T8 General Beam Reflector

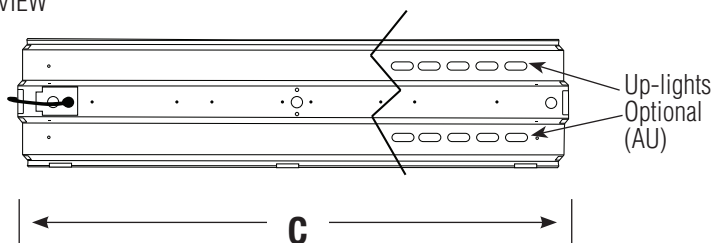
FIXTURE CONFIGURATIONS

END VIEW



Number of LAMPS	Width (A)	Height (B)	Length (C)
4	11.000"	4.880"	48"

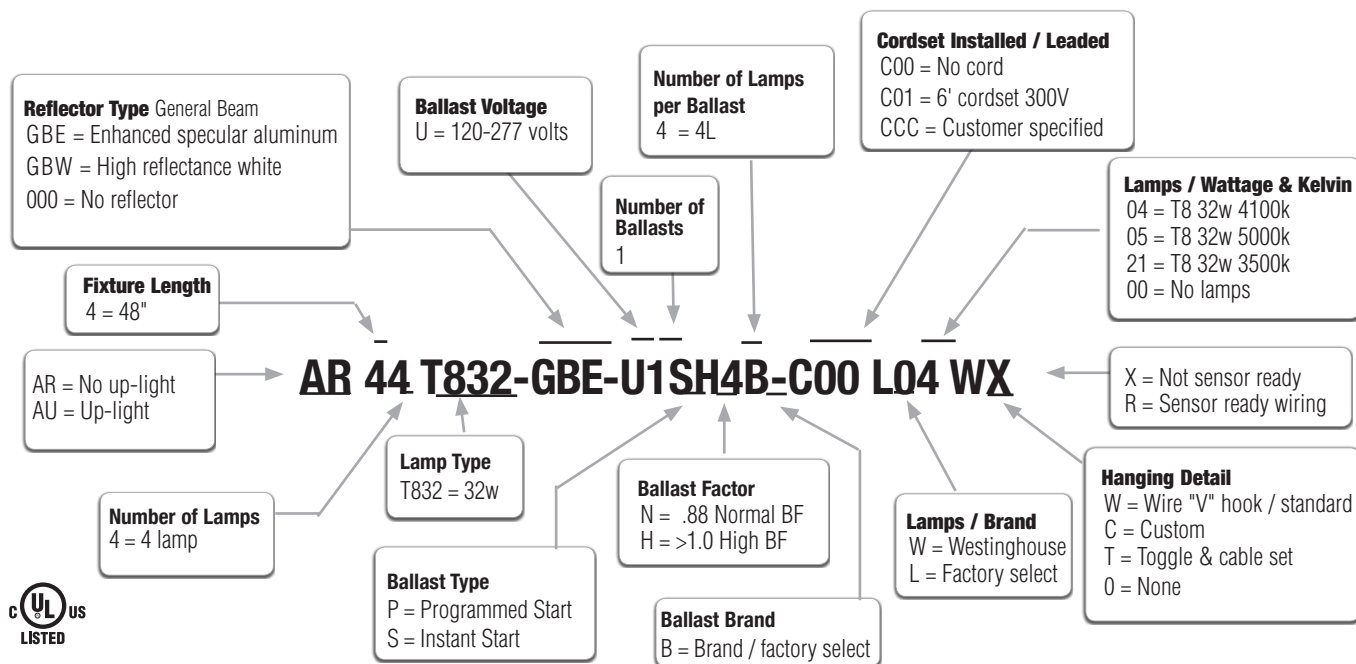
TOP VIEW



MODEL NUMBER INFORMATION

Consult Factory for special wiring or cordset configurations.

See below for most requested options. Refer to Ordering Key for more options.



LUMENOPTIX™
Simply Revolutionary™

Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

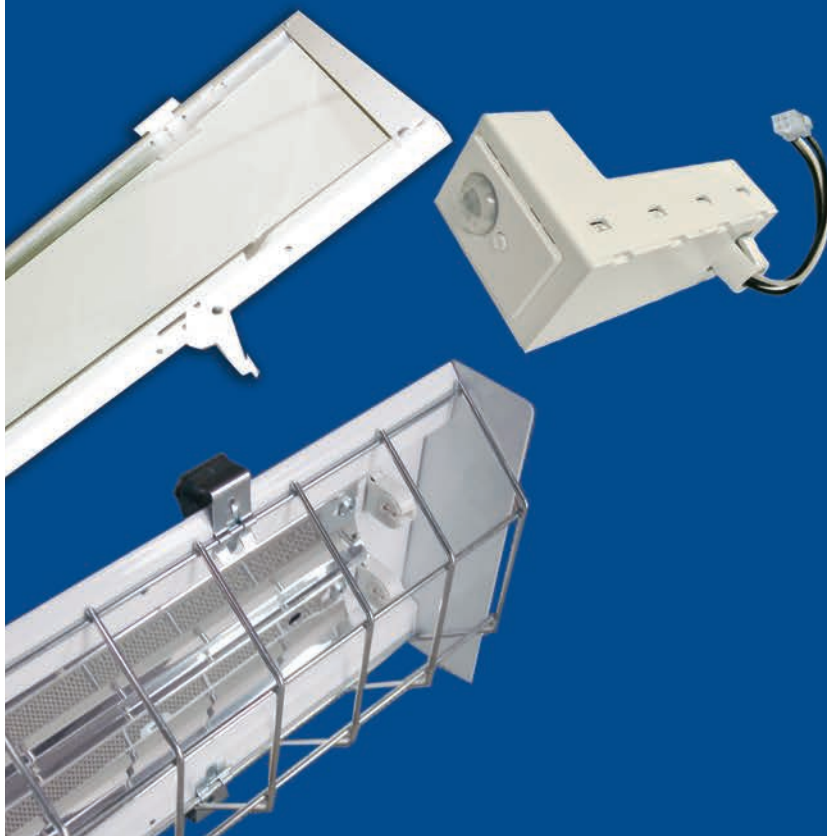
© 2013 LumenOptix, LLC / prodsh_t_AR_T8_general.indd

Accessories & Options

We know every solution is not a standard solution, which is why we want you to be able to “leave your options open.” Be it a ballast, hanger, cordset, lamp, lens door, wire guard, or sensor we can meet your needs.

If you don't see what you desire, call us. We are here to help make your job as easy as possible.

- Ballasts
- Cord Sets
- Hangers
- Lamps
- Lens Doors
- Sensors
- Wire Guards



LUMENOPTIX™
Simply Revolutionary™

Accessories & Options

- Ballasts
- Cord Sets
- Hangers
- Lamps
- Lens Doors
- Sensors
- Wire Guards



LUMENOPTIX™
Simply Revolutionary™



LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

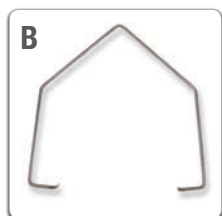
Project Name

MH

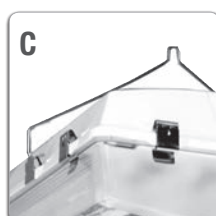
Mounting Hardware



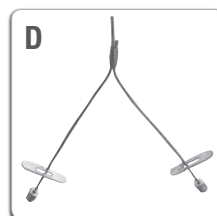
Small wire "V" hook



Medium wire "V" hook



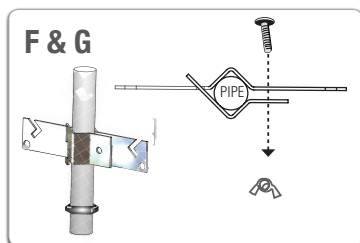
Large wire "V" hook



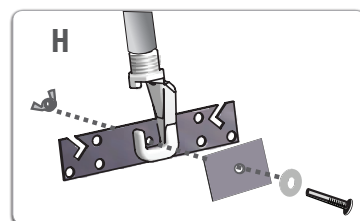
Toggle & Cable Hanging Kit



Heavy Duty Hanger



Single Mount Hanger for pipe ACC-MH-SMH



Eyehook Mount Hanger ACC-MH- EMH

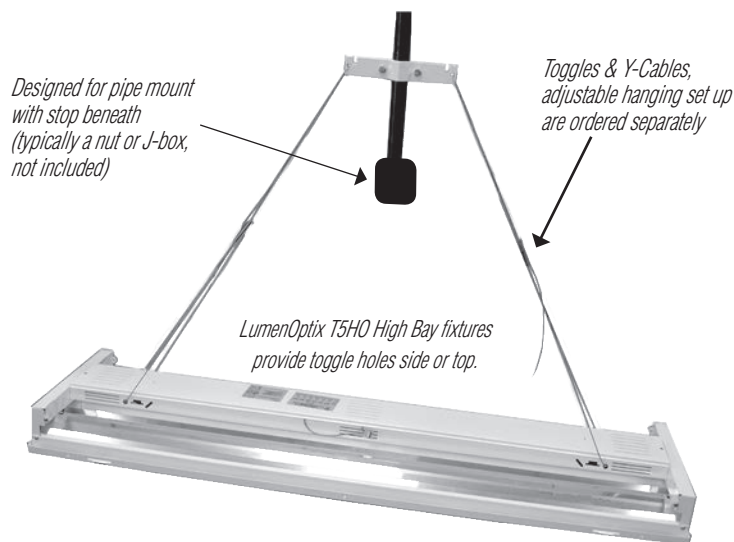


Figure	Model #	Compatible with:
A	ACC-MH-WVS-03	Wire 'V' Hook, Formed Steel, 3", Compatible with Full Body Series, ECO Series
	ACC-MH-WVS-04	Wire 'V' Hook, Formed Steel, 4", Compatible with Hybrid, Unichannel (XWE, XME, XNE), and Architectural Series
B	ACC-MH-WVS-06	Wire 'V' Hook, Formed Steel, 6", Compatible with Unichannel Series (2 lamp TME or TNE)
	ACC-MH-WVS-10	Wire 'V' Hook, Formed Steel, 10", Compatible with Unichannel Series (3 lamp TME or TNE)
C	ACC-MH-WVS-15	Wire 'V' Hook, Formed Steel, 15", Compatible with VE Series
D	ACC-MH-TCK-18/10	Toggle and Cable Kit, with 18" "Y", 10' Cable, Kit includes 2 toggle and cable lengths per bag to hang one fixture
E	ACC-MH-HDS-04	Heavy Duty Bracket, Formed Steel, 4", Compatible with Full Body, Hybrid & Unichannel Series
F & G	ACC-MH-SMH-1/2	Single Point Mounting Hanger designed to fit to 1/2" Pipe, Bolt and Nut included, Stop Nut or J-Box not included (see spec sheet), Toggle Cables must be ordered separately
F & G	ACC-MH-SMH-3/4	Single Point Mounting Hanger designed to fit to 3/4" Pipe, Bolt and Nut are included, Stop Nut or J-Box not included (see spec sheet), Toggle Cables must be ordered separately
H	ACC-MH-EMH	Accessory, Mounting Hardware, Eye Hook Mount Hanger, Bolt and Nut are included (see spec sheet), Toggle Cables must be ordered separately

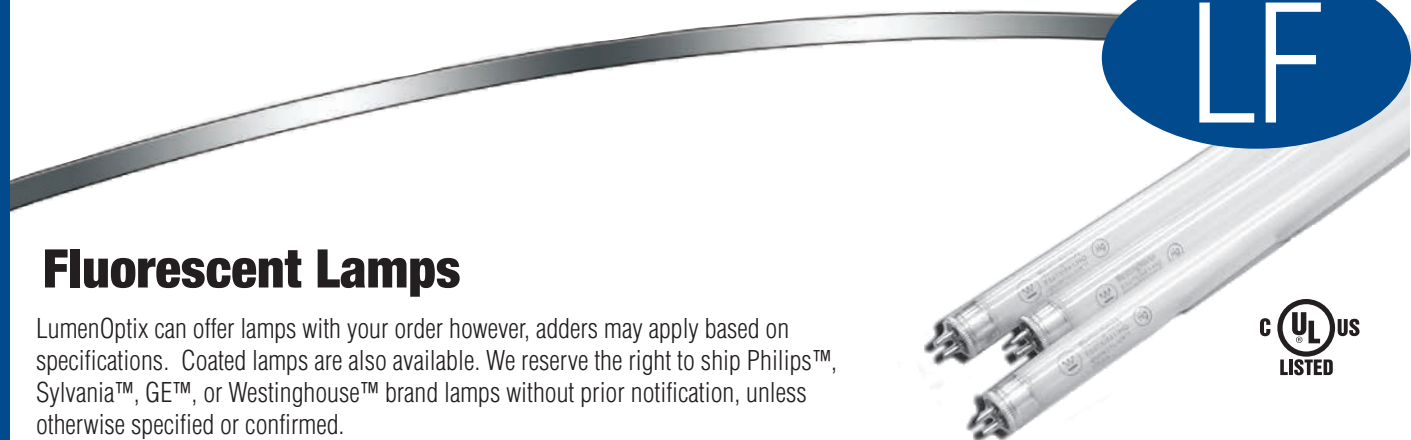
Call 1-800-671-6799 EST 215-671-2029 outside the U.S. or log on at www.LumenOptix.com

© 2013 LumenOptix, LLC/ prodsh_t_access-HANG.indd



LUMENOPTIX™
Simply Revolutionary™

Type	Model #
Date	Project Name



Fluorescent Lamps

LumenOptix can offer lamps with your order however, adders may apply based on specifications. Coated lamps are also available. We reserve the right to ship Philips™, Sylvania™, GE™, or Westinghouse™ brand lamps without prior notification, unless otherwise specified or confirmed.

	Model #	Description
T5 40 case	ACC-LF-L01	Factory Select Brand, F54-T554-841, Fluorescent Lamp, T5HO 54w, 841k, 40 per case standard
	ACC-LF-L02	Factory Select Brand, F54-T554-850, Fluorescent Lamp, T5HO 54w, 850k, 40 per case standard
	ACC-LF-L07	Factory Select Brand, Safety Coated, F54-T554-841-C, Fluorescent Lamp, T5HO 54w 841k, 40 per case standard
	ACC-LF-L08	Factory Select Brand, Safety Coated, F54-T554-850-C, Fluorescent Lamp, T5HO 54w 850k, 40 per case standard
	ACC-LF-L36	Philips, F49-T549-841, Fluorescent Lamp, T5HO 49w, 841k, 40 per case standard
	ACC-LF-L30	Philips, F49-T549-850, Fluorescent Lamp, T5HO 49w, 850k, 40 per case standard
	ACC-LF-L18	Factory Select Brand, F28-T528-841, Fluorescent Lamp, T5 28w 841k, 40 per case standard
	ACC-LF-L22	Factory Select Brand, F14-T514-841, Fluorescent Lamp, T5 14w 841k, 40 per case standard
T8 25 case	ACC-LF-L04	Factory Select Brand, F32-T832-841, Fluorescent Lamp, T8 32w 841k, 25 per case standard
	ACC-LF-L05	Factory Select Brand, F32-T832-850, Fluorescent Lamp, T8 32w 850k, 25 per case standard
	ACC-LF-L24	Factory Select Brand, F17-T817-850, Fluorescent Lamp, T8 17w 841k, 25 per case standard
	ACC-LF-L11	Factory Select Brand, Safety Coated, F32-T832-850-C, Fluorescent Lamp, T8 32w 850k, 25 per case standard
	ACC-LF-L12	Factory Select Brand, Safety Coated, F32-T832-841-C, Fluorescent Lamp, T8 32w 841k, 25 per case standard

MODEL NUMBER INFORMATION

T5 lamps must be ordered by the case (40 per case).

T8 lamps must be ordered by the case (25 per case).

Consult Factory for any lamps not listed.

ACC - LF - L01
Fluorescent Lamp

Lamps/Brand

L = Factory select
W = Westinghouse
P = Philips*
S = Sylvania*
G = G.E.*
**adder may apply*

Lamps / wattage & kelvin

01 = T5 54wHO 4100k	17 = T5 28w 3500k
02 = T5 54wHO 5000k	18 = T5 28w 4100k
03 = T5 54wHO 3500k	19 = T5 28w 5000k
07 = T5 54wHO coated 4100k	20 = T5 5000k Amalgam gas
08 = T5 54wHO coated 5000k	25 = T5 14w 3500k
36 = T5 49wHO 4100k	26 = T5 14w 4100k
30 = T5 49wHO 5000k	27 = T5 14w 5000k
21 = T8 32w 3500k	24 = T8 17w 5000k
04 = T8 32w 4100k	28 = T8 17w 3500k
05 = T8 32w 5000k	29 = T8 17w 4100k
11 = T8 32w coated 5000k	00 = No lamps
12 = T8 32w coated 4100k	CC = Customer specified



DK

Lens Door Kits

FEATURES

- Hybrid/Full Body series lens door is 4 foot in length, with a hinged powder coat steel frame construction and a clear acrylic lens
- ECO series lens door features a steel frame construction with wrap and tether design and a clear acrylic lens
- **Made in USA, ARRA and Buy American Act compliant**

Hybrid or Full Body Series



ECO Series



MODEL NUMBER INFORMATION

ACC-DK-HY 13.125-4-A

Accessory Door Kit

Acrylic

Body Style

HY = Hybrid Series
FB = Full Body Series
EC = ECO Series

Fixture width

00.000

Length

4 = 4'

	Model #	Width	Compatible with:
HYBRID	ACC-DK-HY07.188-4-A	Fits 07.188" hybrid housing	1 lamp T5 XNE, 2 lamp T5 XME, XWE
	ACC-DK-HY10.250-4-A	Fits 10.250" hybrid housing	3 lamp T5 XME, XWE
	ACC-DK-HY10.750-4-A	Fits 10.750" hybrid housing	2 lamp XNE
	ACC-DK-HY13.125-4-A	Fits 13.125" hybrid housing	4 lamp T5 XME, XWE
	ACC-DK-HY15.250-4-A	Fits 15.250" hybrid housing	3 lamp T5 XNE
	ACC-DK-HY19.000-4-A	Fits 19.000" hybrid housing	6 lamp T5 XME, XWE
	ACC-DK-HY19.875-4-A	Fits 19.875" hybrid housing	4 lamp T5 XNE
	ACC-DK-HY24.875-4-A	Fits 24.875" hybrid housing	8 lamp T5 XWE
FULL BODY	ACC-DK-FB08.750-4-A	Fits 08.750" full body housing	3 lamp T5 and T8 GBE
	ACC-DK-FB08.800-4-A	Fits 08.800" full body housing	2 lamp T5 XME, XWE, 2 lamp T8 PWE
	ACC-DK-FB10.750-4-A	Fits 10.750" full body housing	4 lamp T5 GBE, 4 lamp T8 GBE
	ACC-DK-FB11.670-4-A	Fits 11.670" full body housing	3 lamp T5 XME, XWE, 3 lamp T8 PWE
	ACC-DK-FB12.125-4-A	Fits 12.125" full body housing	2 lamp T5 XNE
	ACC-DK-FB/RF14.180-4-A	Fits 14.180" full body housing	4 lamp T5 XME, XWE, 4 lamp T8 PWE
	ACC-DK-FB14.750-4-A	Fits 14.750" full body housing	6 lamp T5 and T8 GBE
	ACC-DK-FB16.312-4-A	Fits 16.312" full body housing	2 lamp T8 XNE
	ACC-DK-FB16.687-4-A	Fits 16.687" full body housing	3 lamp T5 XNE
	ACC-DK-FB18.750-4-A	Fits 18.750" full body housing	8 lamp T5 and T8 GBE
	ACC-DK-FB/RF19.930-4-A	Fits 19.930" full body housing	6 lamp T5 XME, XWE, 6 lamp T8 PWE
	ACC-DK-FB21.250-4-A	Fits 21.250" full body housing	4 lamp T5 XNE
	ACC-DK-FB22.750-4-A	Fits 22.750" full body housing	10 lamp T5 and T8 GBE
	ACC-DK-FB23.000-4-A	Fits 23.000" full body housing	3 lamp T8 XNE
	ACC-DK-FB25.680-4-A	Fits 25.680" full body housing	8 lamp T5 XME, XWE, 8 lamp T8 XWE
	ACC-DK-FB29.625-4-A	Fits 29.625" full body housing	4 lamp T8 XNE
ECO	ACC-DK-FB31.430-4-A	Fits 31.430" full body housing	10 lamp T5 XME, XWE, 10 lamp T8 XWE
	ACC-DK-EC06.750-4-A	Fits 06.750" Eco housing	2 lamp T5 or T8 GBE
	ACC-DK-EC08.750-4-A	Fits 08.750" Eco housing	3 lamp T5 or T8 GBE
	ACC-DK-EC10.750-4-A	Fits 10.750" Eco housing	4 lamp T5 or T8 GBE
	ACC-DK-EC14.750-4-A	Fits 14.750" Eco housing	6 lamp T5 or T8 GBE
	ACC-DK-EC18.750-4-A	Fits 18.750" Eco housing	8 lamp T5 or T8 GBE
	ACC-DK-EC22.750-4-A	Fits 22.750" Eco housing	10 lamp T5 or T8 GBE


LUMENOPTIX™

Simply Revolutionary™

Type

Model #

Date

Project Name

WG

Wire Guards

MODEL NUMBER INFORMATION

ACC-WG-EC10.750-4-11

Accessory Wire Guard

Length

Gauge

11 = 11 gauge

Body Style

EC = ECO Series

FB = Full Body

HY = Hybrid Series

RF = Refrigerated

Fixture Width
00.000


	Model #	Description	Compatibility
HYBRID	ACC-WG-HY07.188-4-11	Fits 07.188" Hybrid housing, 11 gauge	1 lamp XNE, 2 lamp T5 XWE, XME
	ACC-WG-HY10.250-4-11	Fits 10.25" Hybrid housing, 11 gauge	3 lamp T5 XME, XWE
	ACC-WG-HY10.750-4-11	Fits 10.750" Hybrid housing, 11 gauge	2 lamp T5 XNE
	ACC-WG-HY13.125-4-11	Fits 13.125" Hybrid housing, 11 gauge	4 lamp T5 XME, XWE
	ACC-WG-HY15.250-4-11	Fits 15.250" Hybrid housing, 11 gauge	3 lamp T5 XNE
	ACC-WG-HY19.000-4-11	Fits 19.00" Hybrid housing, 11 gauge	6 lamp T5 XME, XWE
	ACC-WG-HY19.875-4-11	Fits 19.875" Hybrid housing, 11 gauge	4 lamp T5 XNE
	ACC-WG-HY24.875-4-11	Fits 24.875" Hybrid housing, 11 gauge	8 lamp T5 XWE
FULL BODY	ACC-WG-FB08.750-4-11	Fits 08.750" Full Body housing, 11 gauge	3 lamp T5 or T8 GBE
	ACC-WG-FB08.800-4-11	Fits 08.800" Full Body housing, 11 gauge	2 lamp T5 XME, XWE, 2 lamp T8 PWE
	ACC-WG-FB10.750-4-11	Fits 10.750" Full Body housing, 11 gauge	4 lamp T5 or T8 GBE
	ACC-WG-FB11.670-4-11	Fits 11.670" Full Body housing, 11 gauge	3 lamp T5 XME, XWE, 3 lamp T8 XWE
	ACC-WG-FB12.125-4-11	Fits 12.125" Full Body housing, 11 gauge	2 lamp T5 XNE
	ACC-WG-FB/RF14.180-4-11	Fits 14.180" Full Body housing, 11 gauge	4 lamp T5 XME, XWE, 4 lamp T8 XWE
	ACC-WG-FB14.750-4-11	Fits 14.750" Full Body housing, 11 gauge	6 lamp T5 or T8 GBE
	ACC-WG-FB16.312-4-11	Fits 16.312" Full Body housing, 11 gauge	2 lamp T8 XNE
	ACC-WG-FB16.687-4-11	Fits 16.687" Full Body housing, 11 gauge	3 lamp T5 XNE
	ACC-WG-FB18.750-4-11	Fits 18.750" Full Body housing, 11 gauge	8 lamp T5 GBE, 8 lamp T8 GBE
	ACC-WG-FB/RF19.930-4-11	Fits 19.930" Full Body housing, 11 gauge	6 lamp T5 XME, XWE, 6 lamp T8 XWE
	ACC-WG-FB21.250-4-11	Fits 21.250" Full Body housing, 11 gauge	4 lamp T5 XNE
	ACC-WG-FB22.750-4-11	Fits 22.750" Full Body housing, 11 gauge	10 lamp T5 or T8 GBE
	ACC-WG-FB23.000-4-11	Fits 23.000" Full Body housing, 11 gauge	3 lamp T8 XNE
	ACC-WG-FB25.680-4-11	Fits 25.680" Full Body housing, 11 gauge	8 lamp T5 XME, XWE, 8 lamp T8 PWE
	ACC-WG-FB29.625-4-11	Fits 29.625" Full Body housing, 11 gauge	4 lamp T8 XNE
	ACC-WG-FB31.430-4-11	Fits 31.430" Full Body housing, 11 gauge	10 lamp T5 XME, XWE, 10 lamp T8 PWE
ECO	ACC-WG-EC06.750-4-11	Fits 06.750" Eco Series housing, 11 gauge	2 lamp T5 or T8
	ACC-WG-EC08.750-4-11	Fits 08.750" Eco Series housing, 11 gauge	3 lamp T5 or T8
	ACC-WG-EC10.750-4-11	Fits 10.750" Eco Series housing, 11 gauge	4 lamp T5 or T8
	ACC-WG-EC14.750-4-11	Fits 14.750" Eco Series housing, 11 gauge	6 lamp T5 or T8
	ACC-WG-EC18.750-4-11	Fits 18.750" Eco Series housing, 11 gauge	8 lamp T5 or T8
	ACC-WG-EC22.750-4-11	Fits 22.750" Eco Series housing, 11 gauge	10 lamp T5 or T8
RF	ACC-WG-FB/RF14.180-4-11	Fits 14.180" Refrigerated Series housing, 11 gauge	4 lamp T5 or T8
	ACC-WG-FB/RF19.930-4-11	Fits 19.930" Refrigerated Series housing, 11 gauge	6 lamp T5 or T8

FEATURES

- Easy attachment, set screw and hardware included
- Hinged from either side
- 4-foot length
- Compatible with series: Full Body, ECO, Hybrid and Refrigerated

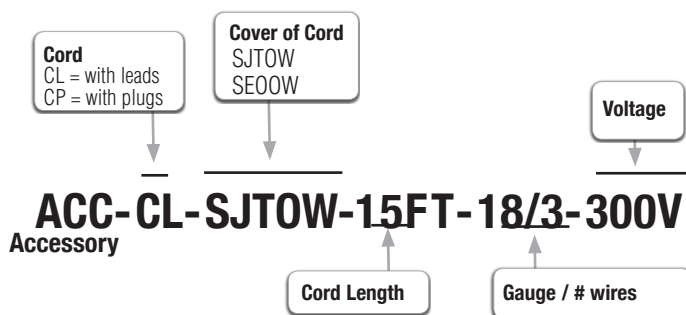


CL-CP

Cordsets

LumenOptix can prewire a whip / cordset by applying a suffix to the model number e.g. C01 etc., or we can ship the cordset separately for field installation. C00 would indicate no cordset.

MODEL NUMBER INFORMATION



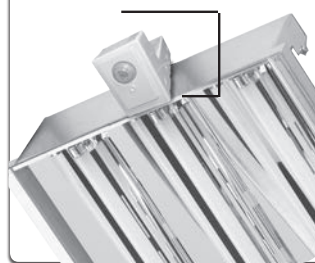
Model #	Description	Order code for pre-installed when ordered with fixture
ACC-CL-SJTOW-6FT-18/3-300V	Cord with leads only, SJTOW, 6 foot, 18 gauge 3 wire, 300V	C01
ACC-CL-SEOW-6FT-16/3-600V	Cord with leads only, SEOW, 6 foot, 16 gauge 3 wire, 600V	C02
ACC-CL-SJTOW-15FT-18/3-300V	Cord with leads only, SJTOW, 15 foot, 18 gauge 3 wire, 300V	C03
ACC-CL-SEOW-15FT-16/3-600V	Cord with leads only, SEOW, 15 foot, 16 gauge 3 wire, 600V	C04
ACC-CP-515P-SJTOW-6FT-18/3	Cord with standard bladed plug, 5-15P Nema Configuration, SJTOW, 6 foot, 18 gauge 3 wire	C05
ACC-CP-515P-SJTOW-15FT-18/3	Cord with standard bladed plug, 5-15P Nema Configuration, SJTOW, 15 foot, 18 gauge 3 wire	C13
ACC-CP-L715-SJTOW-6FT-18/3	Cord with twist and lock plug, L7-15 Nema Configuration, SJTOW, 6 foot, 18 gauge 3 wire	C06
ACC-CP-L715-SJTOW-15FT-18/3	Cord with twist and lock plug, L7-15 Nema Configuration, SJTOW, 15 foot, 18 gauge 3 wire	C07
ACC-CP-L820-SEOW-6FT-16/3	Cord with twist and lock plug, L8-20 Nema Configuration, SEOW, 6 foot, 16 gauge 3 wire	C09
ACC-CP-L820-SEOW-15FT-16/3	Cord with twist and lock plug, L8-20 Nema Configuration, SEOW, 15 foot, 16 gauge 3 wire	C16
ACC-CP-L715-SJTOW-20FT-18/3	Cord with twist and lock plug, L7-15 Nema Configuration, SJTOW, 20 foot, 18 gauge, 3 wire	C60
ACC-CP-L16-20P-SJTOW-15FT-18/4	Cord with twist and lock plug, L16-20P Nema Configuration, SJTOW, 15 foot, 18 gauge, 4 wire	C61
ACC-STR-WTM	Strain Relief, Water tight connector used on V series, can be used with multiple cord diameters, including SJTOW or SEOW in 18/3 or 16/3.	NA
ACC-STR-SJTOW-18/3	Strain Relief, for use with 18/3 SJTOW cord diameter.	NA



CTR



Sensor Ready Assembly

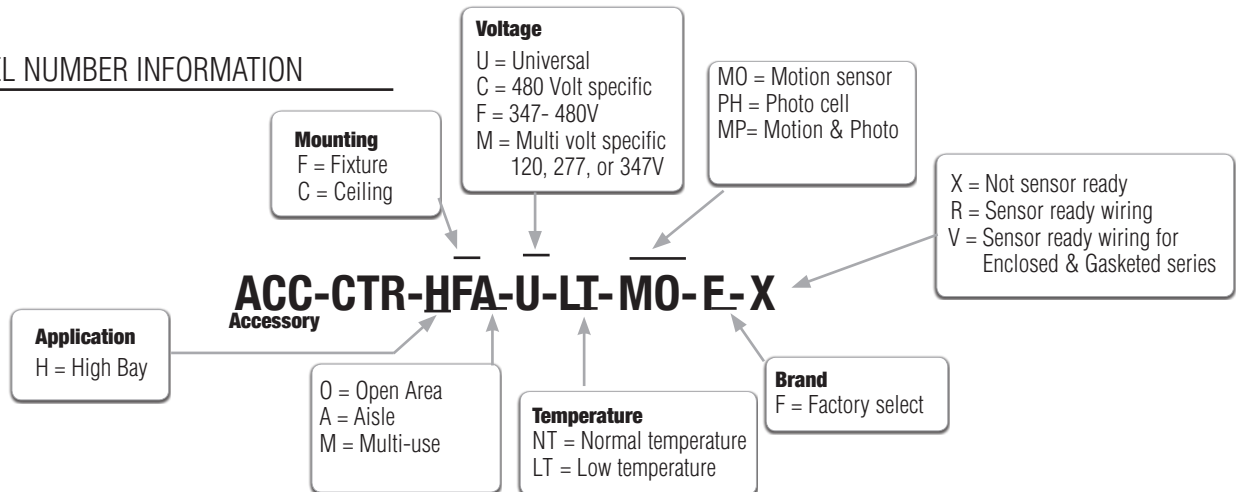
Sensor Ready Assembly (R)
Easy Sensor installation:
connect plug, push in,
clicks into place
— no tools!

Occupancy Sensors

FEATURES

- Detects infrared energy
- Mounts to 45 feet
- Factory set at 10 minutes to keep lights off during periods of no activity
- Individual fixture control 14° to 160°F operation unless otherwise specified
- Factory select brand
- Adjustable configurations

MODEL NUMBER INFORMATION



Model #	Description
ACC-CTR-HFO-U-NT-MO-F-X	High bay fixture mount, Open area lens (360 degree field of view), Universal voltage 120-277V, Normal temperature range (14 through 160 degrees F), Motion sensor, Factory brand select
ACC-CTR-HFA-U-NT-MO-F-X	High bay fixture mount, Aisle Lens (50 degree field of view), Universal voltage 120-277V, Normal temperature range (14 through 160 degrees F), Motion sensor, Factory brand select
ACC-CTR-HFO-F-NT-MO-F-X	High bay fixture mount, Open area lens (360 degree field of view), High voltage 347-480V, Normal temperature range (14 through 160 degrees F), Motion sensor, Factory brand select
ACC-CTR-HFA-F-NT-MO-F-X	High bay fixture mount, Aisle Lens (50 degree field of view), High voltage 347-480V, Normal temperature range (14 through 160 degrees F), Motion sensor, Factory brand select
ACC-CTR-HFO-U-LT-MO-F-X	High bay fixture mount, Open area lens (360 degree field of view), Universal voltage 120-277V, Low temperature range (-40 through 40 degrees F), Motion sensor, Factory brand select
ACC-CTR-HFA-U-LT-MO-F-X	High bay fixture mount, Open area lens (360 degree field of view), Universal voltage 120-277V, Low temperature range, (-40 through 40 degrees F), Motion sensor, Factory brand select



EM

Emergency Ballasts

To add emergency wiring to a LumenOptix fixture, add a "- EM" at the end of the fixture nomenclature. For example, EC44T554-GBE-U1PN4B-C00L02WX-**EM**

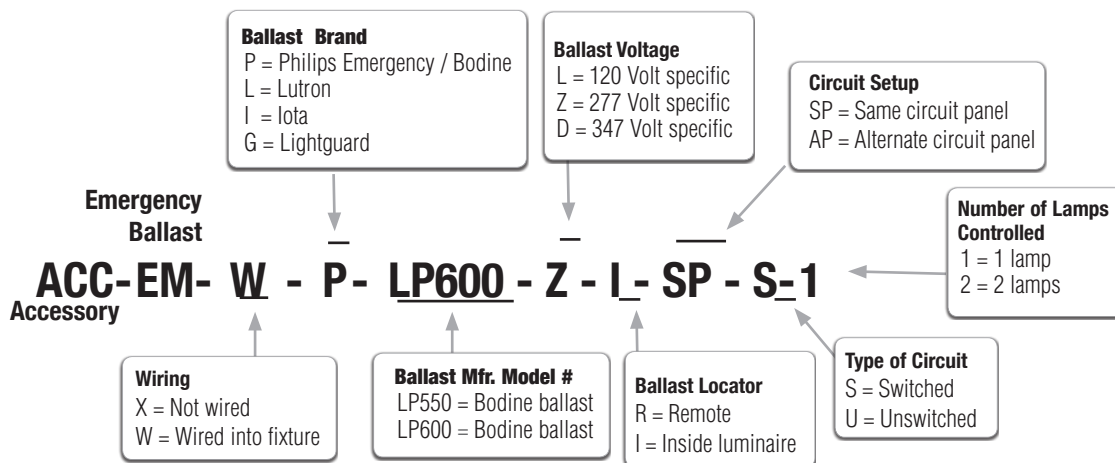
Additional information will be required to fill emergency ballast orders.

FEATURES

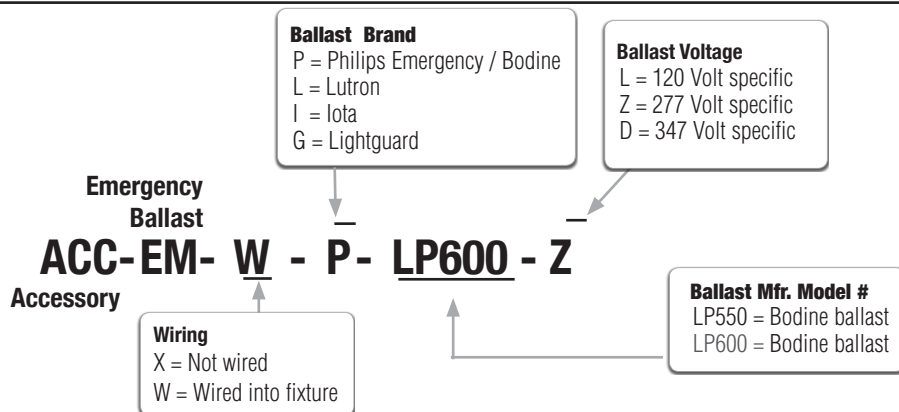
- Available pre-wired or a stand alone item
- Maintains lighting in the event of emergency
- Multiple wiring options available
- Bulk packed
- Tinned and leaded
- Leads sized for LumenOptix fixtures



MODEL NUMBER INFORMATION **Pre-Wired**



MODEL NUMBER INFORMATION **Stand Alone**





BF

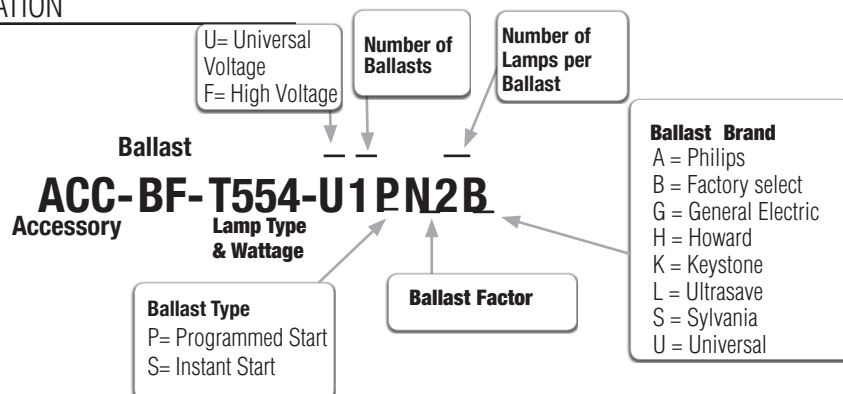
Ballasts

We reserve the right to factory select the brand of ballast without prior notification, unless otherwise specified.

FEATURES

- Fluorescent ballast
- Bulk packed
- Tinned and leaded
- Leads sized for LumenOptix fixtures

MODEL NUMBER INFORMATION



	Model #	Description
T5	ACC-BF-T554-U1PN2B	Factory Select Fluorescent Ballast, 2 lamp, T5HO 54W, Universal Voltage 120-277V, Programmed Rapid Start, Normal Ballast Factor
	ACC-BF-T554-U1PN4B	Factory Select Fluorescent Ballast, 4 lamp, T5HO 54W, Universal Voltage 120-277V, Programmed Rapid Start, Normal Ballast Factor
	ACC-BF-T554-F1PN2B	Factory Select Fluorescent Ballast, 2 lamp, T5HO 54W, High Voltage 347-480V, Programmed Rapid Start, Normal Ballast Factor
	ACC-BF-T554-F1PN4B	Factory Select Fluorescent Ballast, 4 lamp, T5HO 54W, High Voltage 347-480V, Programmed Rapid Start, Normal Ballast Factor
T8	ACC-BF-T832-U1SH2B	Factory Select Fluorescent Ballast, 2 lamp, T8 32W, Universal Voltage 120-277V, Instant Start, High Ballast Factor
	ACC-BF-T832-U1SH3B	Factory Select Fluorescent Ballast, 3 lamp, T8 32W, Universal Voltage 120-277V, Instant Start, High Ballast Factor
	ACC-BF-T832-U1SH4B	Factory Select Fluorescent Ballast, 4 lamp, T8 32W, Universal Voltage 120-277V, Instant Start, High Ballast Factor
	ACC-BF-T832-U1SN2B	Factory Select Fluorescent Ballast, 2 lamp, T8 32W, Universal Voltage 120-277V, Instant Start, Normal Ballast Factor
	ACC-BF-T832-U1SN3B	Factory Select Fluorescent Ballast, 3 lamp, T8 32W, Universal Voltage 120-277V, Instant Start, Normal Ballast Factor
	ACC-BF-T832-U1SN4B	Factory Select Fluorescent Ballast, 4 lamp, T8 32W, Universal Voltage 120-277V, Instant Start, Normal Ballast Factor

Case Studies

Regardless of your industry, LumenOptix will maximize your savings by optimizing a lighting system for your specific lighting and application needs. Whether it is interior or exterior, racked aisle, or wide-open space, gymnasium or ice rink, parking garage or maintenance shop, you will maximize your return on investment when you choose LumenOptix. Some case studies follow that showcase the energy and financial savings of some of LumenOptix loyal customers.

- Manufacturing
- Retail
- Warehouse
- Food Processing
- Indoor / Outdoor
- Parking Garage



FOOD PROCESSING
Coca-Cola Bottling Co.
Allentown, Pennsylvania

COST SAVINGS:

- Annual Energy Savings
- Demand Reduction
- Payback

BENEFITS:

- Increased light levels by 20
- High-quality uniform light
- Carbon Footprint reduced
- LFD 281 (units per year)

LUMENOPTIX

For more information, please call 1-800-871-6789 or visit www.lumenoptix.com



PARKING
Stratosphere Hotel & Casino
Las Vegas, Nevada

COST SAVINGS:


- Annual Energy Savings
- Demand Reduction
- Payback

BENEFITS:

- Better light and security for patrons and employees
- Reduced Carbon Footprint by 816 metric tons of CO₂ annually
- Facility received Green Power Fund, Green Advantage Environmental Certification

LUMENOPTIX

For more information, please call 1-800-871-6789 or visit www.lumenoptix.com



LUMENOPTIX™
Simply Revolutionary™

RETAIL
Sports Authority
Westminster, Colorado

COST SAVINGS:

- Annual Energy Savings
- Demand Reduction
- Payback

BENEFITS:

- Substantial increase in light levels
- Exceeded specified foot candles
- High-quality uniform light distribution & color rendering
- Reduced Carbon Footprint
- Up lighting for better aesthetics
- Outfit broke down for superior glare control

LUMENOPTIX

For more information, please call 1-800-871-6789 or visit www.lumenoptix.com

Baltimore Gas & Electric

Baltimore, MD

ANNUAL
ENERGY SAVINGS

55%

DEMAND
REDUCTION

56_{kW}

PAYBACK

40_{MONTHS}

When this large utility company needed to save energy in lighting, it looked to LumenOptix™ to maximize savings without sacrificing light levels. In their facility where shop work is done on everything from trucks to transformers, LumenOptix™ replaced 252 (400W) metal halide fixtures with seven different, customized, fluorescent fixtures to achieve the greatest possible energy savings.

LumenOptix™ Solution

Seven different,
customized,
fluorescent fixtures



Benefits

- Reduced wattage by 450 watts per fixture
- CRI increased from 26 to 85
- No delay in restrikes
- Longer life of the lamps
- Better lumen maintenance



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



CSX Locomotive Shop

Selkirk, NY

ANNUAL
ENERGY SAVINGS

65%

PAYBACK

12 MONTHS

CSX, North America's leading supplier in rail based freight transportation, determined that a lighting upgrade in their hump yards would help boost productivity. However, due to the 46' mounting height they needed to partner with a luminaire manufacturer that truly understood precision optics. As a result, they selected LumenOptix™ to replace their 1000 watt metal halides in their hump yards across the country. LumenOptix' solution not only met the challenge of the higher mounting height by improving the light levels by 33%, but the solution also dramatically enhanced the light quality making it easier and safer for repair work on the locomotives.

LumenOptix™ Solution

Full Body, T5HO
8-lamp
medium beam



The CSX facility gained 33% more light, which improved productivity while reducing costs over the current 1000 watt metal halides.



Benefits

- Better maintained footcandle
- Dramatic reduction in glare
- Enhanced visual acuity for repair work



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



CVS Pharmacy

Various Areas
Throughout the
Country

ANNUAL
ENERGY SAVINGS

75%

PAYBACK

12 MONTHS

CVS, the largest pharmacy health care provider in the United States, was looking to improve the aesthetic look on their outdoor lighting in their retail locations. They turned to LumenOptix™ to design a solution that eliminated the shadowing on the perimeter of their stores. Not only did LumenOptix™ satisfy that need but they increased energy savings by 75%.

LumenOptix™ Solution

(25) Hybrid 4ft
6-lamp T5HO
Wide Beam



Benefits

- Reduced wattage by 450 watts per fixture
- CRI increased from 26 to 85
- Eliminated unfavorable shadows



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Excelon Power

Fairless Hills, PA

ANNUAL
ENERGY SAVINGS

80%

PAYBACK

10 MONTHS

Excelon Power, one of the largest providers of energy services in the USA, turned to LumenOptix for their energy conservation expertise. LumenOptix met Excelon's two goals: decreasing energy usage and providing a better lighting environment for plant operators and employees by replacing a high pressure sodium lighting system with a Hybrid 3-lamp T5HO medium beam fixtures with 80 CRI to a 55' mounting height. The installation saved Excelon close to 80% in energy consumption while drastically removing the dull dark yellow light in the facility. By selecting a high quality fluorescent lamp, LumenOptix was able to improve the overall look of the building by creating a much cleaner, brighter work environment.

LumenOptix™ Solution

Hybrid 3 lamp, T5HO
medium beam



Benefits

- Improved energy savings by 80%
- Improved color rendering and light levels
- Better visibility and greater comfort on the job



Excelon Power not only significantly increased energy savings, but dramatically improved light quality with 80 CRI, which corrected the color rendering as you can see in the photo to the right.



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Flightstar

Jacksonville, FL

ANNUAL
ENERGY SAVINGS

57%

PAYBACK

17 MONTHS

Aircraft maintenance is a very important aspect of the aviation industry. Flightstar, who manages an aircraft maintenance hangar in Jacksonville Florida, was interested in retrofitting their existing 1000 watt metal halide system. They wanted to maintain 30 foot candles of light and reduce their energy costs as well. However, the 65' mounting height presented quite a challenge. LumenOptix™ designed a new system using our ECO 8 lamp T5 series, which maintained their light levels and reduced energy costs by 57%. Much of the supplemental task lighting previously used was eliminated by increasing light levels by 33% and improved CRI. As an added incentive, we installed a photocell sensor on the first row of fixtures closest to the hangar doors. When the doors are open, the photocells recognize the presence of adequate light and turn the fixtures off increasing Flightstar's energy savings.

LumenOptix™ Solution
8-lamp T5 ECO series



Flightstar increased their light levels and improved energy consumption. The photo to the right shows the cavernous existing lighting and poor light levels.

Benefits

- 57% Energy Savings
- Improved light levels by 33%
- Photocells further increased energy savings by 5%



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Flyers Skate Zone

NHL Regulation Rink

Philadelphia, PA

**ANNUAL
ENERGY SAVINGS**

50%

PAYBACK

18 MONTHS

The Flyers Skate Zone offers a chance for people to experience the sport of ice hockey in an exciting, safe, and comfortable environment. However, their existing 400W Metal Halides at 42' mounting height had depreciated below acceptable levels for the arena so they knew they needed to make improvements. LumenOptix™ replaced it with a 4-lamp T5HO wide beam that not only reduced their carbon footprint by 50 metric tons of CO2 annually, saved them in HVAC because there was less heat generated, but also created a rink that was much brighter and aesthetically pleasing.

LumenOptix™ Solution

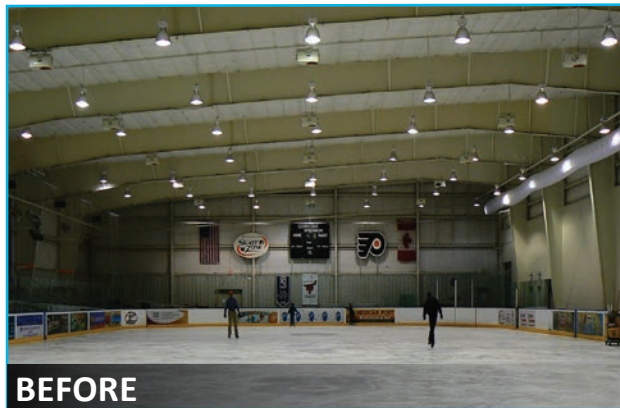
Refrigerated Series 4-lamp
T5HO Wide Beam



Benefits

- Additional savings with less HVAC required
- Improved CRI
- Reduced carbon footprint by 50 metric tons of CO2 annually*

*Source www.begreennow.com



The previous metal halide lighting system made the Flyer's Skate Zone dingy, dark, and required a lot of maintenance.



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Foxwoods Casino

Ledyard, CT

ANNUAL
ENERGY SAVINGS

70%

DEMAND
REDUCTION

358_{kw}

PAYBACK

13_{MONTHS}

Foxwoods Casino, world-renowned as an ultimate destination for entertainment, gambled and won huge energy savings after choosing LumenOptix™ to retrofit over 8,000 fixtures for its indoor parking garages. LumenOptix™ created a customized lighting solution that saved the casino over \$500,000 in energy annually with no drop in light levels. As security is always a big concern for casinos, LumenOptix™ designed a lighting system that increased light levels, enhancing the clarity for Foxwoods' video security cameras.

LumenOptix™ Solution

V4, 4ft 2-lamp T8
Wide Beam



Benefits

- Dramatic 70% energy savings
- Improved light levels by 30%
- Enhanced customer comfort and security



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



LG Electronics

Jamesburg, NJ



**ANNUAL
ENERGY SAVINGS**

55%

**DEMAND
REDUCTION**

170_{kw}

PAYBACK

14_{MONTHS}

LG Electronics chose to replace their 400-watt metal halide 4 lamp T5 system with LumenOptix Hybrid and ECO fixtures. The Hybrid fixture with a wide beam reflector was perfect to use in the loading dock's long area with 35 foot mounting heights. The wide beam reflector easily provides maximum light coverage. ECO T5 fixtures were selected for the bulk storage area where product stacked 25 feet in the air needed to be lit economically. To further enhance LG's return on investment, while reducing energy usage, motion sensors were installed on the ECO fixtures. The lights stay off unless motion is detected by the sensor. LG experienced a 55% reduction in energy usage annually.

LumenOptix™ Solution

Hybrid wide beam and T5 ECO fixtures with motion sensors



Benefits

- Increased energy savings by 55% with added motion sensors
- Increased light levels by 30%
- Consistent and improved lighting increased safety and production



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Nine West / Jones Apparel Group Inc.

West Deptford
Township, NJ

ANNUAL
ENERGY SAVINGS

50%

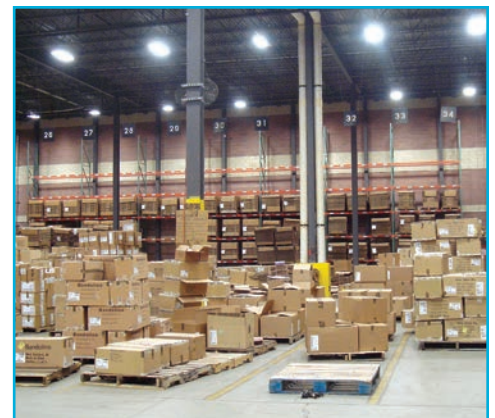
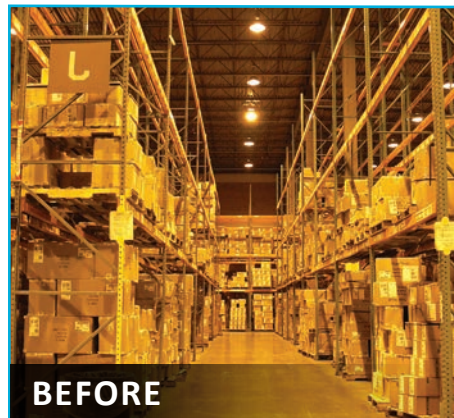
DEMAND
REDUCTION

265_{kW}

PAYBACK

15_{MONTHS}

Nine West prides itself on being a recognized clothing brand in over 60 different countries. However, in their main distribution centers of 500,000 square feet, employees were having difficulty recognizing differences in colors due to the poor light quality of their existing 400W high pressure sodium system with a ceiling height of 45'. Nine West realized they needed a dramatic upgrade in their lighting system so they turned to LumenOptix™ for help. LumenOptix™ saved Nine West 50% in energy usage by designing a Hybrid 4-lamp T5HO medium beam lighting system. In addition, the high quality fluorescent lamps vastly improved the lighting quality, reducing errors.



LumenOptix™ Solution

Hybrid 4-lamp
T5HO medium
beam lighting
system



Benefits

- Improved consistency and light levels
- Increased energy savings by 50%
- Improved visibility for employees



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2012 LumenOptix™, LLC



Raisin Rack Natural Food Market

Canton, OH

ANNUAL
ENERGY SAVINGS

68%

At Raisin Rack Natural Food Market, energy savings was not the only concern. The atmosphere and visual perception of the store needed improvement. The existing store was poorly lit by several 458 watt metal halides light fixtures. Our engineers designed a new lighting layout utilizing the Architectural Series, 4-lamp T8. The precision optics and up-lighting eliminate the cave effect and improved the stores shopability. Our solution saved 68% energy savings, and vastly improved the light levels, consistency and substantially reduced glare, thereby creating a friendlier customer experience.

LumenOptix™ Solution

Architectural Series (AR)
T8 4-lamp with up-lighting.



Benefits

- Light on merchandise
- Improved 80CRI
- 10% up-lighting
- Less glare due to the AR series louvers
- Payback within 14 months



AFTER

The placement of the LumenOptix AR series fixtures allows light to be on the products for maximum shopability. The up-light eliminates a cave effect.



BEFORE

The previous lighting consisted of several 458 watt metal halide light fixtures and was very inefficient and poorly lighted the merchandise. Maintenance costs were high and an inconvenience as workers had to reach over the merchandise gondolas while on tall ladders to change metal halide lamps often.



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Sea Gull

Burlington, NJ

**ANNUAL
ENERGY SAVINGS**

70%

PAYBACK

12_{MONTHS}

Sea Gull Lighting, the country's second largest residential lighting company, needed to build a 503,000 square foot distribution center with ceiling heights of 40'. Management determined that the LumenOptix proposed 2-lamp, 117 watt T5HO narrow-beam aisle lighters, and 3-lamp, 176 watt T5HO medium-beam fixtures would cost them hundreds of thousands of dollars less than the competitions "one size fits all" T8 solution.

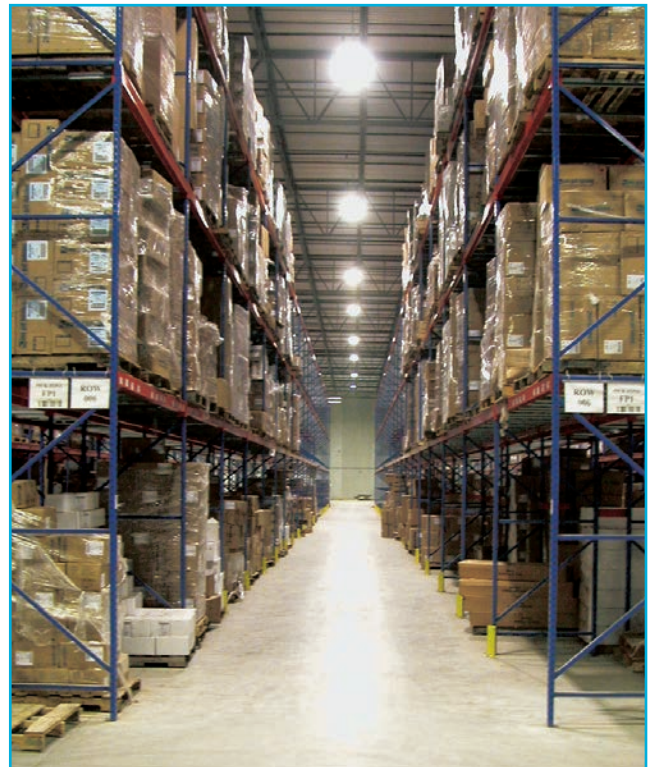
LumenOptix™ Solution

2-lamp, 117 watt,
T5HO narrow beam,
3-lamp, 176 watt,
T5HO medium-beam



Benefits

- Customized reflector systems offer numerous beam spreads designed for specific locations
- Delivered 14 average footcandles when only 10 were specified
- Reduced maintenance costs since 75 less fixtures were needed



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Sports Authority

Westminster, CO

ANNUAL
ENERGY SAVINGS

50%

DEMAND
REDUCTION

36_{kW}

PAYBACK

19_{MONTHS}

Sports Authority, an industry leader in providing a wide assortment of quality brand name sporting goods wanted to update its 300 watt metal halide lighting system in order to remain competitive in the retail industry. Sports Authority's store design team turned to LumenOptix to provide a lighting solution that created an atmosphere with the correct mood, feel, and visuals of the merchandise for their customer base. Not only did the solution LumenOptix™ recommended accomplish those goals, but it also increased the light levels within the store, reduced the carbon footprint of the facility, and provided a better quality of light.

LumenOptix™ Solution

Architectural Series,
4-lamp T5HO with a
louwer and up-lighting



Benefits

- Substantial increase in light levels by 30%
- Consistent light levels and color rendering
- Reduced carbon footprint
- Up-lighting for better aesthetics
- Cutoff blade louwer for superior glare control



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Stratosphere Hotel and Casino

Las Vegas, NV

ANNUAL
ENERGY SAVINGS

65%

DEMAND
REDUCTION

285_{kW}

PAYBACK

10_{MONTHS}



The Stratosphere Hotel and Casino, one of the most recognizable Las Vegas Strip Casinos, maintains an 8-story parking garage with 2,300 luminaires that ran twenty-four hours a day, seven days a week. The management at Stratosphere knew they needed to upgrade their lighting system within the parking garage to reduce operating costs. LumenOptix™ provided a solution that not only reduced their carbon footprint by 816 metric tons annually but also provided more light to increase the security for patrons and employees. Due to the design, Stratosphere was awarded a Green Advantage Environmental Certification.

Benefits

- Increased light levels by 30%, providing security for patrons and employees
- Reduced carbon footprint by 816 metric tons of CO₂ annually*
- Facility received Green Power Fund and Green Advantage Environmental Certification

*Source www.begreennow.com



LumenOptix™ Solution

V4 4' 2-lamp

T8 32W Wide Beam



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Tractor Supply

Temple, PA



ANNUAL
ENERGY SAVINGS

50%

DEMAND
REDUCTION

18_{kW}

PAYBACK

15_{MONTHS}

Tractor Supply, the largest retail farm and ranch store chain in the United States, realized they needed to retrofit their inefficient 400W metal halide lighting system in their retail stores with 30' ceiling heights to provide their customers with a better shopping experience. They turned to LumenOptix™ to provide a solution that would give them a substantial increase in light levels, reduce their carbon footprint, and provide superior glare control; thereby, creating an atmosphere that was aesthetically pleasing and energy saving.

LumenOptix™ Solution

Architectural Series, 4ft 6-lamp
T8 wide beam and
Full Body, 4ft 6-lamp
T8 wide beam fixtures



Benefits

- Increased light levels by 30%
- Consistent light distribution and improved color rendering
- Up-light to eliminate cave effect
- Cutoff blade louver for superior glare control



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



William Paterson University

Wayne, NJ

**ANNUAL
ENERGY SAVINGS**

50%

**DEMAND
REDUCTION**

17^{kW}

PAYBACK

12^{MONTHS}

The University's gymnasium was lit with 400 watt metal halide fixtures. Over time, light output deteriorated dramatically. Electric bills were high because the lights were left on when the gym was unoccupied to avoid lengthy restrike delays. William Paterson partnered with LumenOptix™ to provide the even light levels the University wanted. LumenOptix™ created a 4-lamp T5HO system with a wide beam reflector. To shield the lamps from the impact of an errant ball, LumenOptix™ included protective wire guards. LumenOptix™ increased the light levels by 40%, and reduced energy consumption of each fixture by 50%. Using rapid start ballasts, which start the lamps in less than one second, saved additional energy. LumenOptix™, a no-sweat solution for a busy gym.



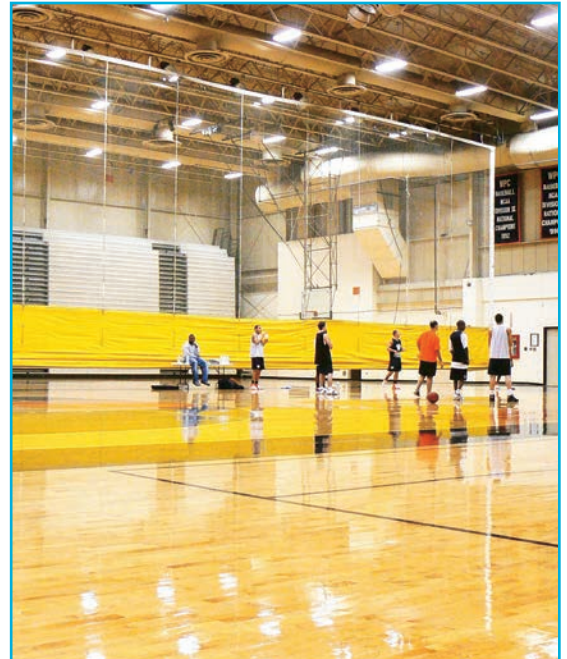
LumenOptix™ Solution

4-lamp T5HO wide beam reflector, with rapid start ballasts



Benefits

- Increased light levels by 40%
- Zero restrike time due to fluorescent instant restrike
- Energy saving through lighting and instant restrike



LUMENOPTIX™
Innovative Design for the Built Environment

Call 1.800.671.6799 EST,
Outside of the U.S. 215.671.2029
www.LumenOptix.com

©2013 LumenOptix™, LLC



Partial Client List

Ace Hardware Distribution Center ●
 Academy Sports ● ALDI Foods ● Alro
 Steel ● Arrow Electronics ● APC ●
 Baltimore Gas & Electric ● Belt Service
 ● Behr Paint ● Canada Dry, MD, Division
 of Pepsico ● Caterpillar ● Center Ice ●
 Circuit City ● Chrysler ● Coca-Cola ●
 Colonial Electric Supply ● CSX ● CVS/
 pharmacy ● Dietz & Watson ● Draper
 Shade ● DHL ● Exelon ● FedEx ●
 H.B. Fuller Formica ● Ford Motor Co.
 ● Foxwoods Casino ● Goodyear Retail
 Distribution Centers ● Gordon Food
 Service ● George P. Johnson ● Grimes
 Logistics ● Halls Motor Freight ● Henkel

Consumer Products, div. of OSI Sealant (Duck Tape) ● Hugo
 Boss ● Kichler Lighting, OH & NV ● Kinedyne, Corp. ●
 Komatsu ● Kyro Ice ● Lucky Brand Jeans ● MAC's Steel ●
 Majestic ● McDonalds ● Mealey's Furniture ● National
 Freight, Inc. NJ & OH ● Nemak ● Nestle's ● Nicos Polymers
 & Grinding, Inc. ● NIKE ● Northern Hasserot ● Nu-age ●
 Orange County Choppers ● PALL ● Pearson Education ●
 P.E.M ● Playtex ● Quicke MFG ● Random House ● Red
 Gold ● Restoration Hardware ● Rhienhart Foods ● Ronson
 Aviation, Inc. ● Rustoleum ● Sea Gull Lighting ● Sears Auto
 Centers ● SEPTA ● SEQUENT ● Skate Zone ● Southwire
 ● Sears ● STAPLES ● Stratosphere ● Superior Quartz ●
 Sunny Delight ● 3M Technicolor Plant ● Tremco ● TrimMaster
 ● Tioga Pipe & Supply ● Tyson Foods ● Verizon ● VuTeq
 ● Wal-Mart/Sam's Club ● W.D. Class ● Webster Arena ●
 West Marine ● William Paterson University ● Yale Appliance
 ● Z.F. Lemforder ●



LUMENOPTIX™
 Simply Revolutionary™

Contact Us:



LumenOptix™, LLC

203 Prograss Drive, Montgomeryville, PA 18936-9618

General Phone: 215-671-2029 / 800-671-6799

General Fax: 215-268-1088

Email: info@LumenOptix.com

Website: www.LumenOptix.com



LUMENOPTIX™

Simply Revolutionary™



LUMENOPTIX™
Simply Revolutionary™

Warranty

LumenOptix™ warrants all products sold hereunder to be free from defects in manufacturing and workmanship, under normal and proper storage, installation, and use, for a period of 1 (ONE) year, for LED products 5 (FIVE), from the date of shipment. Our guarantee liability extends only to the repair or replacement of the defective part. No labor charge for the correction of the defect, by repair or replacement, will be paid by LumenOptix™ unless prior written authority has been granted by our Customer Service Department.

LumenOptix™ uses only components from reputable, leading manufacturers for its fixtures. LumenOptix™ administers the warranties from the manufacturers on our customers' behalf.

In general, the Original Component Manufacturers' (OEM) warranties are directly passed through on ballasts, lamps and motion sensors.

This warranty is not applicable to, and LumenOptix™ makes no warranty with respect to any Lighting Fixture not installed and operated in accordance with the National Electric Code (NEC), the Standards for Safety of Underwriters Laboratories, Inc. (UL), Standards for the American National Standards Institute (ANSI) or, in Canada, the Canadian Standards Association (CSA).

No implied warranty of merchantability of fitness for a particular purpose shall apply beyond the aforementioned warranty period. The foregoing warranty is exclusive of all other statutory, written or oral warranties, and no other warranties of any kind, statutory or otherwise, are given or herein expressed.

LumenOptix™ will not under any circumstances, whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise, be liable for consequential, incidental, special or exemplary damages, including, but not limited to: loss of profits, loss of use or damage to any property or equipment, cost of capital, cost of substitute product, facilities or services, down time costs or claim of claimant's customers. LumenOptix's liability for all claims of any kind or for any loss or damages arising out of, resulting from or concerning any aspect of this warranty or from the products or services furnished hereunder, shall not exceed the purchase price allocable to the specific product which gives rise to the claim, and any and all such liability shall terminate upon the expiration of the warranty set forth above.

Certain chemicals may exist in end user locations, which may release airborne contaminants that can directly impact the integrity and safety of essential fixture components. Exposure of essential fixture components to different chemical combinations may result in significant damage such as crazing, cracking, arcing and mechanical failure. LumenOptix's warranty does not cover these conditions.

LumenOptix™, LLC
203 Progress Drive, Montgomeryville, PA 18936-9618 USA
800-671-6799
www.LumenOptix.com