

# WBB12S DuraLED Up or Down Triangular LED Wall Cylinder



<b>Project Information</b>	
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The DuraGuard DuraLED WBB12S architectural triangle wall cylinder provides up or down lighting with narrow, medium and wide distributions designed to replace HID lighting systems from 50w MH or HPS. Typical wall mounted lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 16 feet can be used based on light level and uniformity requirements.

## SPECIFICATIONS AND FEATURES:



### HOUSING:

Extruded Round Aluminum Housing with Built-in Heat Sinks.

### LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

### FINISH:

Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

### LENS:

Tempered Clear Flat Glass Lens

### OPTICS:

Wide, Medium and Narrow Distributions

### MOUNTING OPTIONS:

Mount Over a 4" Recessed Outlet Box.

### DURALED LED:

Aluminum Boards with Conformal Coating.

### WATTAGE:

Array: 15w, System: 15.2w; (Up To 50w HID Equivalent)

### DRIVER:

Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

### CONTROLS:

Fixtures Ordered with Factory-Installed Photocell are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

### WARRANTY:

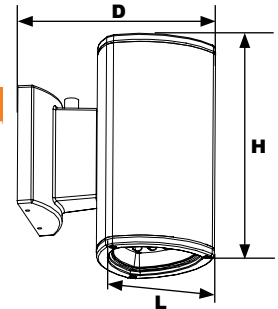
5-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.



**WBB12SD - Down**  
(Shown with PC3 On Arm)

**WBB12SU - Up**



### Dimensions

<b>Depth (D)</b>	8 7/8" (224mm)
<b>Height (H)</b>	10 1/4" (261mm)
<b>Length<sup>3</sup> (L)</b>	5 5/8" (138mm)

## DuraLED TECHNOLOGY

Complete Units Ordering Information  
Example: **WBB12DWQ1X15U4KZPC3**

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Model	Optics/Beam	LED	Wattage	Driver	CCT	Color	Options
		<b>Q</b>	<b>1X15</b>	<b>U</b>			
		<b>Q</b> =DuraLED Array	<b>1X15</b> =15w	<b>U</b> =120-277V	<b>3K</b> =3000K <b>4K</b> =4000K	<b>Z</b> =Bronze <b>B</b> =Black <b>C</b> =Custom (Consult Factory)	
	<b>W</b> =Wide Beam, 100° Optics <b>M</b> =Medium Beam, 70° Optics <b>N</b> =Narrow Beam, 30° Optics						<b>SF</b> =Single Fuse* <b>DF</b> =Double Fuse* <b>SP</b> =Surge Protection <b>PC3</b> =Photocell, 120-277VAC <b>BU</b> =Battery Backup, 90 Minutes* <b>BUC</b> =Cold Start Battery Backup, -20°C, 90 Minutes*
<b>WBB12SD</b>	=DuraLED Triangular LED Wall Cylinder - DOWN Orientation						
<b>WBB12SU</b>	=DuraLED Triangular LED Wall Cylinder - UP Orientation*						

\*Must be selected for UP mounting, factory re-orientation of mounting arm is required.

\*120-277V Models Only.



# WBB12S DuraLED Up or Down Triangular LED Wall Cylinder



## ACCESSORIES & REPLACEMENT PARTS:



P18103

**Replacement Parts (Order Separately, Field Installed)**

P18103 120-277VAC Photocell

For Replacement Battery Backup, see the DuraGuard LED Battery Backup Specification Sheet.

## PHOTOMETRIC PERFORMANCE

Optic	Wattage (Catalog Logic)	
	Input Watts	Delivered Lumens
<b>WBB12S (D, U)</b> W=Wide, 100° Optics	15W (1X15)	15.2W
	3000K	1,577
	4000K	1,624
<b>WBB12S (D, U)</b> M=Medium, 70° Optics	3000K	1,577
	4000K	1,628
	BUG Rating	B1-U0-G0
<b>WBB12S (D, U)</b> N=Narrow, 30° Optics	3000K	1,886
	4000K	1,947
	BUG Rating	B2-U0-G0

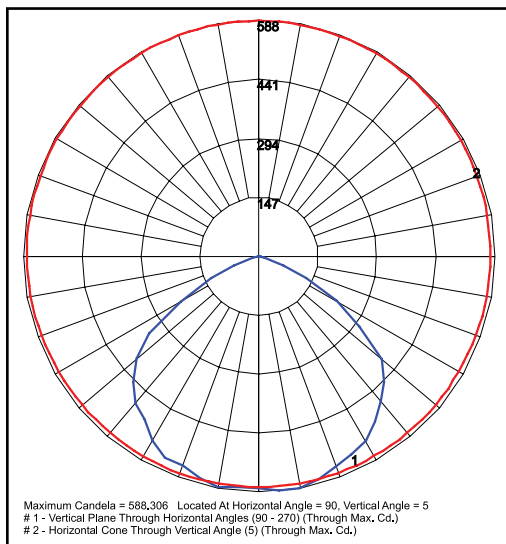
## PROJECTED LUMEN MAINTENANCE

Data shown for 4000 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
<b>L70 Lumen Maintenance @ 25°C / 77°F</b>	15w	1.00	0.96	0.92	0.84	187,000
<b>L70 Lumen Maintenance @ 50°C / 122°F</b>		1.00	0.93	0.87	0.73	113,000
<b>L80 Lumen Maintenance @ 40°C / 104°F</b>		1.00	0.97	0.93	0.86	144,000

- NOTES:**
- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
  - Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

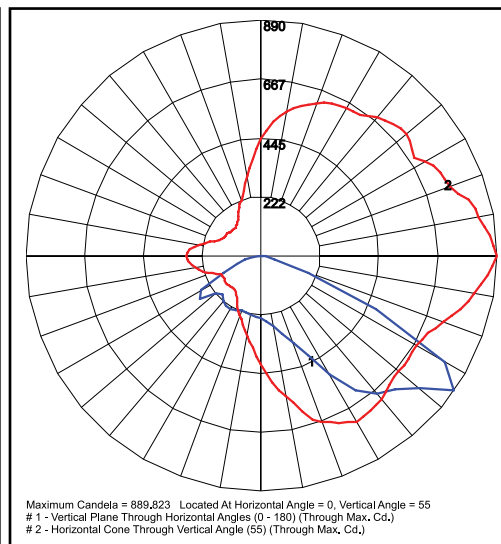
## PHOTOMETRIC DATA

### WIDE



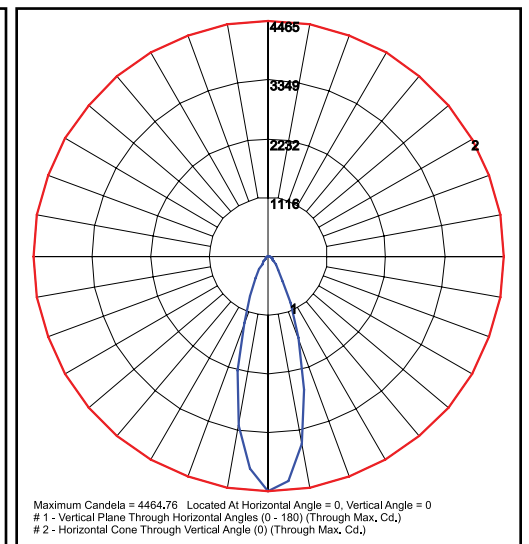
**WBB12SDWQ1X15U4K**  
Wide (W) 100° Optics

### MEDIUM



**WBB12SDMQ1X15U4K**  
Medium (M) 70° Optics

### NARROW



**WBB12SDNQ1X15U4K**  
Narrow (N) 20° Optics

Specifications subject to change without notice.