



NOTES:

FIXTURE TYPE:

PROJECT:



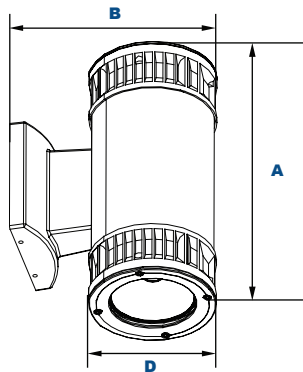
Shown with "B" Wide Optic



Shown with "A" Medium Optic



Shown with "D" Narrow Optic

**Dimensions**

<b>Diameter (D)</b>	5 1/4" (146mm)
<b>Length (B)</b>	8 1/2" (226mm)
<b>Height (A)</b>	12 1/2" (316mm)

**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 Lenses

**Reflector:**

Wide, Medium and Narrow Distributions

**Mounting Options:**

Mount Over a 4" Recessed Outlet Box.

**COB LED:**

Cool Copper COB

**Wattage:**

COB: 40w, System: 40w; (100w HID Equivalent)

**Driver:**

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF&gt;0.90. Standard Internal Surge Protection 6kV. 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 or Motion Sensor Controls 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 LEPC 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.**PRODUCT DESCRIPTION**

The WCTRD Turbine architectural wall cylinder provides up/down lighting with narrow, medium and wide distributions designed to replace HID lighting systems from up to 100w 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.

**ORDERING INFORMATION****EXAMPLE: WCTRDAC32X20U41KZSP**

Model	Optics	LED	Wattage	Driver	CCT	Color	Options
WCTRD= LED Up/Down Wall Cylinder	A=70° Up/70° Down B=100° Up/100° Down C=70° Up/100° Down D=30° Up/30° Down E=30° Up/100° Down F=30° Up/70° Down G=100° Up/30° Down H=100° Up/70° Down I=70° Up/30° Down	C3= COB	2X20 = 40W	U=120-277V H = 347-480V	41K=4100K	Z=Bronze B=Black C=Custom (Consult Factory)	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection PC3=Photocell, 120-277VAC BU=Battery Backup, 90 Minutes* BUC=Cold Start Battery Backup, -20°C, 90 Minutes* *120-277V Models Only.



### ACCESSORIES & REPLACEMENT PARTS

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

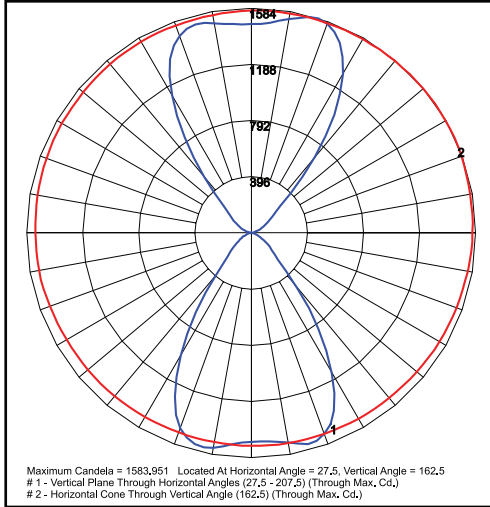
P18103 120-277VAC Photocell

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

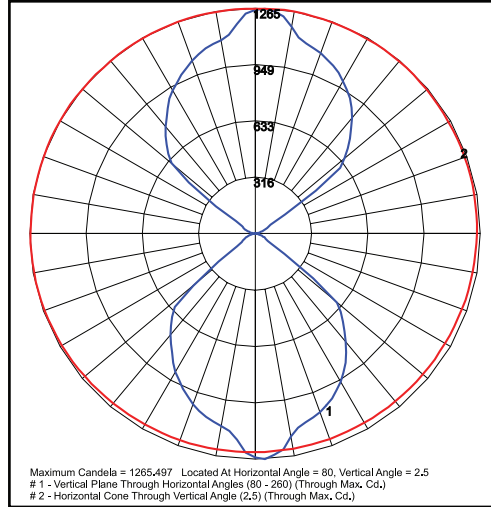


**P18103**

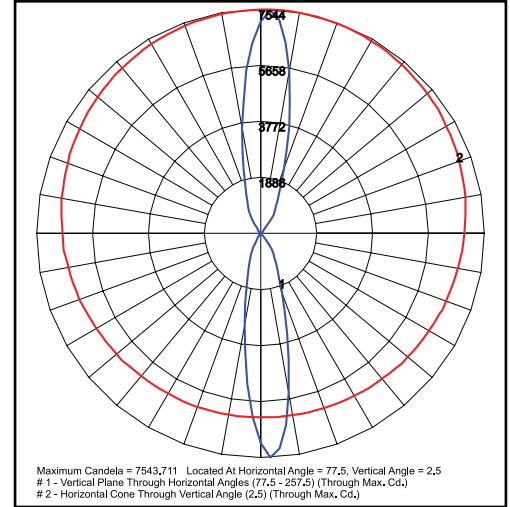
### PHOTOMETRIC DATA



**WCTRDAC32X20U41K**  
70° Up/70° Down Optic



**WCTRDBC32X20U41K**  
100° Up/100° Down Optic



**WCTRDC32X20U41K**  
30° Up/30° Down Optic

### PHOTOMETRIC PERFORMANCE

4100 CCT 80 CRI

LED Board Watts	Drive Current (mA)	Input Watts	Beam	Lumens	LPW	B	U	G
<b>LED COB 40w</b>	525	40	A Medium	4,398	110	2	5	0
			B Wide	4,577	114	1	5	0
			D Narrow	4,344	109	2	5	0

### PROJECTED LUMEN MAINTENANCE

Data shown for 4100 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>	40	1.00	0.92	0.83	0.66	89,000
<b>L70 Lumen Maintenance @ 50°C / 122°F</b>		1.00	0.90	0.81	0.62	78,000
<b>L80 Lumen Maintenance @ 40°C / 104°F</b>		1.00	0.93	0.86	0.72	72,000

#### NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA 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.