

WCTRS

L70
25°C

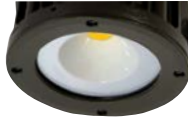
89,000 Hours



LED Up or Down Turbine LED Wall Cylinder



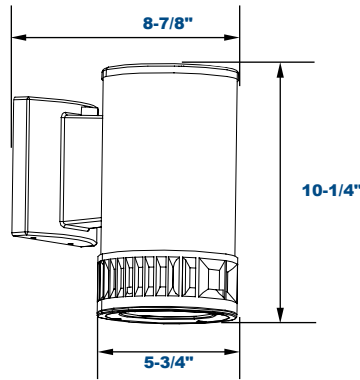
Shown with "B" Wide Optic



Shown with "A" Medium Optic



Shown with "D" Narrow Optic



The LBS WCTRS Turbine architectural wall cylinder provides up or 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.

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

Reflector:

Wide, Medium and Narrow Distributions

Mounting Options:

Mount Over a 4" Recessed Outlet Box.

COB LED:

LBS Cool Copper COB

Wattage:

COB: 20w, System: 21w; (100w 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 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.

Order Information Example:

WCTRSAC31X20U41KZSP

WCTRS		C3	1X20	U	41K		
Model	Optics	LED	Wattage	Driver	CCT	Color	Options
WCTRS= LED Up or Down Wall Cylinder	A=70° Reflector B=100° Reflector D=30° Reflector	C3=LBS COB	1X20=20w	U=120-277V	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* *120-277V Models Only.

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:



DesignLights Consortium™
Qualified Luminaires:
WCTRSAC31X20U41K***
WCTRSBC31X20U41K***
WCTRSDC31X20U41K***



Accessories & Replacement Parts:



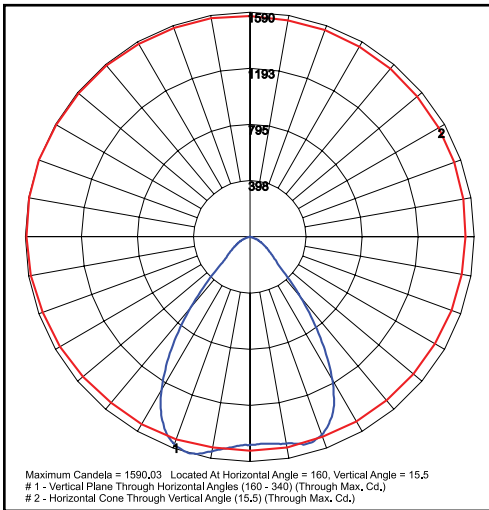
P18103

Replacement Parts (Order Separately, Field Installed)

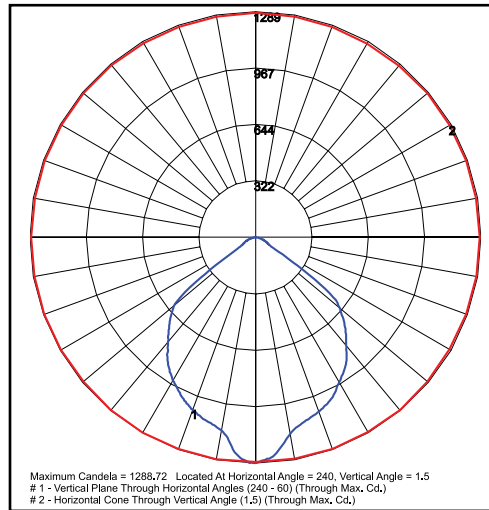
P18103 120-277VAC Photocell

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

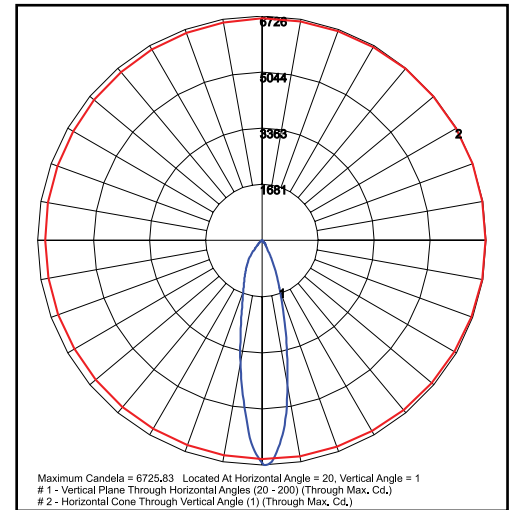
Photometric Data



WCTRSAC31X20U41K
70° Reflector



WCTRSBC31X20U41K
100° Reflector



WCTRSDC31X20U41K
30° Reflector

Photometric Performance

4100 CCT 80 CRI

LED Board Watts	Drive Current (mA)	Input Watts	Beam	Lumens	LPW	B	U	G
LED COB 20w	525	21	A Medium	2,309	110	2	1	0
			B Wide	2,364	113	1	1	0
			D Narrow	2,209	105	2	1	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 L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	21	1.00	0.92	0.83	0.66	89,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	21	1.00	0.90	0.81	0.62	78,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	21	1.00	0.93	0.86	0.72	72,000	

NOTES:

1. 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.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.