PROlite LED Lighting™

A Division of Emergensee® Lighting, Inc.

TYPE: _____ DATE: _____

JOB NAME: _____

CONTRACTOR: _____

CATALOG NO: _____

NOTES: _____

PWCTRS

LED Up or Down Turbine LED Wall Cylinder

L70 25°C 89,000 Hours

Shown with "B" Wide Optic

Shown with "A" Medium Optic

Shown with "D" Narrow Optic

The LEPG PWCTRS 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.

HOUSING

- Extruded Round Aluminum Housing with Built-in Heat Sinks.

LISTINGS AND RATINGS

- CSA: Listed for Wet Locations ANSI/UL 1598, 8750
- IP65 Sealed LED Compartment

FINISH

- Textured Architectural Bronze or White Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available On Request

LENS

- Tempered Clear Flat Glass Lens

REFLECTOR

- Wide, Medium and Narrow Distributions

MOUNTING OPTIONS

- Mount Over a 4˝ Recessed Outlet Box.

COB LED:

- QSSI Cool Copper COB

WATTAGE

- COB 20w, System Input 21w
- (100w HID Equivalent)

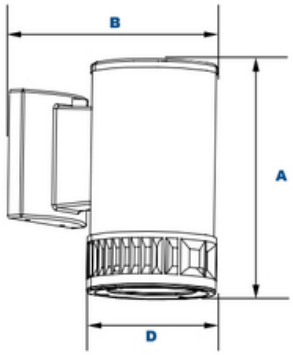
DRIVER

- 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.

WARRANTY

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

DIMENSIONS



Dimensions	
Diameter (D)	5¾" (146mm)
Length (B)	8⅞" (226mm)
Height (A)	10¼" (260mm)

IP65

ORDERING INFORMATION: EXAMPLE= PWCTRSAC31X20U41KZSP

MODEL	OPTICS	LED	WATTAGE	VOLTAGE	CCT	COLOR	OPTIONS
PWCTRS	A=70° Reflector B=100° Reflector D=30° Reflector	C3=QSSI 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 PC1=Photocell, 120VAC PC2=Photocell, 240-277VAC BU=Battery Backup, 90 Minutes

215-512-8100 • Fax 267-288-5604
421 Bustleton Pike, Feasterville, PA 19053
www.proliteled.com

Specifications subject to change without prior notice.

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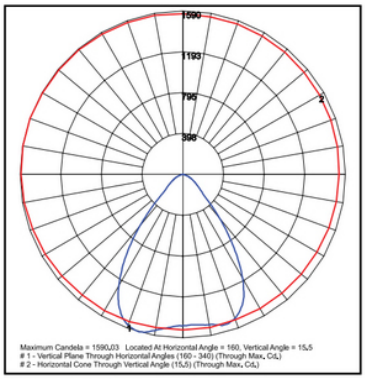
ACCESSORIES & REPLACEMENT PARTS

PC1 & PC2

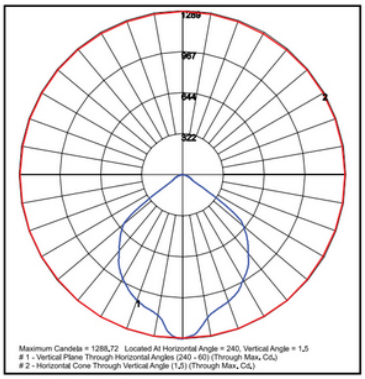
3EBL120277

Replacement Parts (Order separately, Field installed)	
PC1	120VAC Photocell
PC2	250-305VAC Photocell
3EBL120277	Battery Backup, Provides 90 Minutes of Backup Power

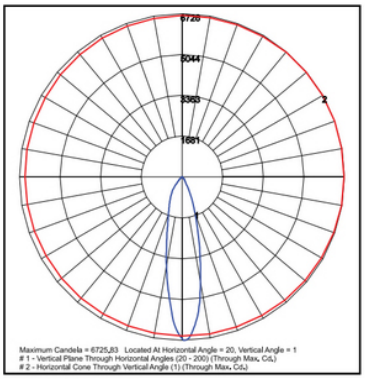
PHOTOMETRIC DATA



WCTRSAC31X20U41K
70° Reflector



WCTRSBC31X20U41K
100° Reflector



WCTRSDC31X20U41K
30° Reflector

PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Beam		4100 CCT 80 CRI 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.

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