



LLWCTRS

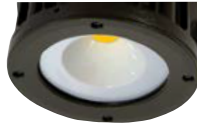
L70
25°C

89,000 Hours

AmberLED Up or Down Turbine LED Wall Cylinder



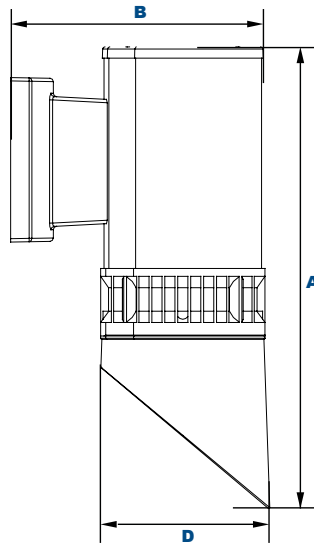
Shown with "VS" Visor



Shown with "A" Medium Optic



Shown with "D" Narrow Optic



Dimensions

Diameter (D)	5 1/4 (146mm)
Length (B)	8 (226mm)
Height (A)	16 1/4 (410mm)

AmberLED Technology

The AmberLED LLWCTRS C³ Turbine Full Cut-off wall mount cylinder is available with a shielded IES Type V distribution, and is certified by the Florida Fish & Wildlife Conservation Commission (FWC) for wildlife applications that are directly visible from the shore requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required by FWC. Typical applications include retail centers, hotels, residential, parks, schools and universities, office buildings and medical facilities. Mounting heights of up to 12 feet can be used based on light level and uniformity requirements.

Specifications and Features:

Housing:

Extruded Round Aluminum Housing with Built-in Heat Sinks. Includes Visor Required to Maintain FWC Certification.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
IP65 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:

Amber 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.

See Page 2 for Projected Lumen Maintenance Table.

AmberLED



Certification #2018-001

Order Information Example:

LLWCTRSAC31X20UAMKZSPVS

LLWCTRS		C3	1X20	U	AM			VS
Model	Optics	LED	Wattage	Driver	CCT	Color	Options	Shield

LLWCTRS=
AmberLED Up
or Down Wall
Cylinder

A=70° Reflector
B=100° Reflector
D=30° Reflector

C3=Amber COB

1X20=20w

U=120-277V

AM=Amber

Z=Bronze
B=Black
C=Custom
(Consult Factory)

SF=Single Fuse
DF=Double Fuse
SP=Surge Protection
PC1=Photocell, 120VAC
PC2=Photocell, 250-305VAC
BU=Battery Backup, 90 Minutes

VS=Visor

Certification & Listings:



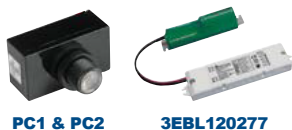
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Accessories & Replacement Parts:



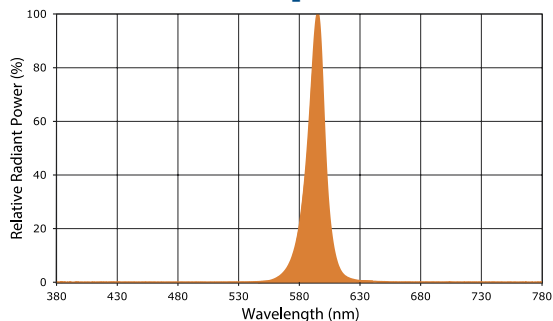
PC1 & PC2 3EBL120277

Replacement Parts (Order separately, Field installed)

PC1	120VAC Photoeye
PC2	250-305VAC Photoeye
3EBL120277	Battery Backup, Provides 90 Minutes of Backup Power

Photometric Data

Amber LED - Spectral Chart



Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Beam	
LED COB 20w	525	21	A	Medium
			B	Wide
			D	Narrow

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.