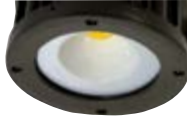




WCTRD **L70** **89,000 Hours**
 25°C
LED Up/Down Turbine LED Wall Cylinder



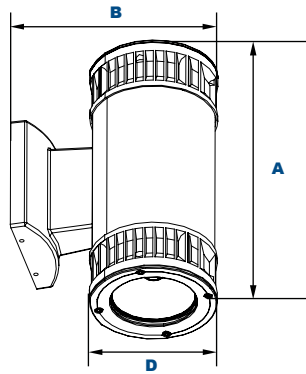
Shown with "B" Wide Optic



Shown with "A" Medium Optic



Shown with "D" Narrow Optic



Dimensions

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

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.

Specifications and Features:

Housing:

Extruded Round Aluminum Housing with Built-in Heat Sinks.

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 Lenses

Reflector:

Wide, Medium and Narrow Distributions

Mounting Options:

Mount Over a 4" Recessed Outlet Box.

COB LED:

QSSI Cool Copper COB

Wattage:

COB 40w, System Input 40w
 (100w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz; Dimmable Driver

Warranty:

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

See Page 2 for Projected Lumen Maintenance Table.

Order Information Example: WCTRDAC32X20U41KZSP

WCTRD		C3	2X20	U	41K		
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=QSSI COB

2X20=40w

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, 250-305VAC
BU=Battery Backup, 90 Minutes

Project Information:

Project Name: _____ Fixture Type: _____
 Complete Catalog #: _____ Date: _____
 Comments: _____

Certification & Listings:





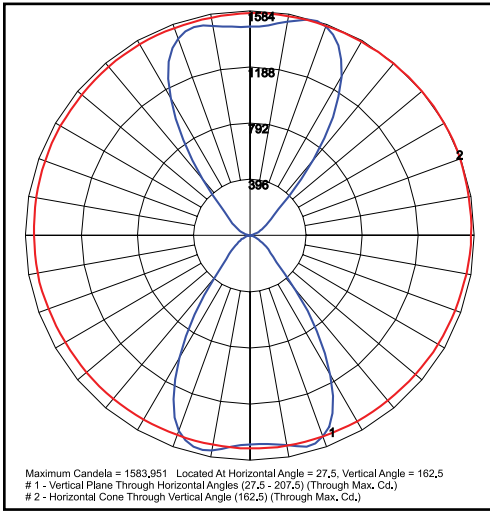
Accessories & Replacement Parts:



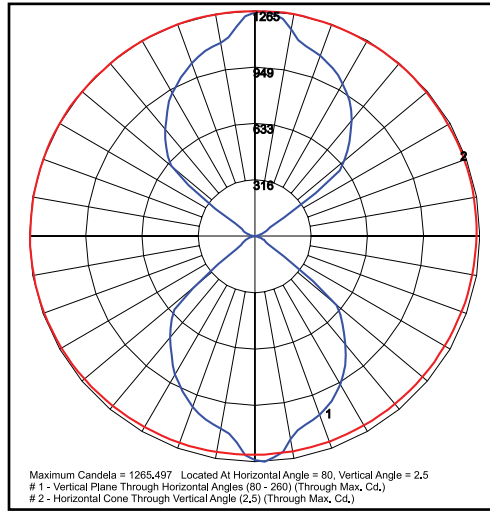
Replacement Parts
(Order separately, Field installed)

PC1	120VAC Photocell
PC2	250-305VAC Photocell
3EBL1202774500	Battery Backup, Provides 90 Minutes of Backup Power

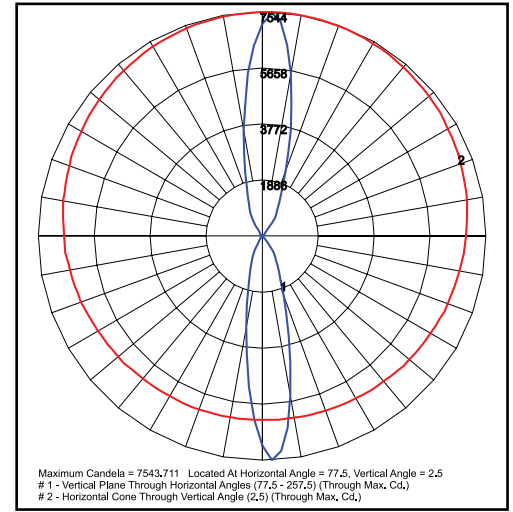
Photometric Data



WCTR DAC32X20U41K
70° Up/70° Down Optic



WCTRDBC32X20U41K
100° Up/100° Down Optic



WCTR DDC32X20U41K
30° Up/30° Down Optic

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Beam	4100 CCT 80 CRI				
				Lumens	LPW	B	U	G
LED COB 40w	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 L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	40	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	40	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	40	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.