

Project:	
Type:	
Catalog #:	

The FME UDT 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 AND 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: Cool Copper COB

WATTAGE: COB: 20w, System: 21 w; (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 LEPG 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.



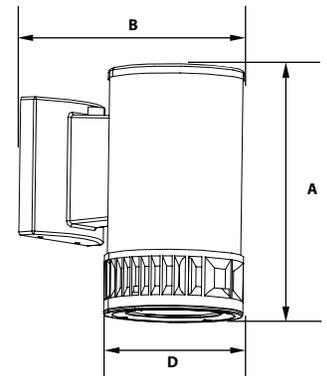
"B" WIDE OPTIC



"A" MEDIUM OPTIC



"D" NARROW OPTIC



DIMENSIONS

Diameter (D)	5 3/4" (146mm)
Length (B)	8 3/4" (226mm)
Height (A)	10 1/4" (260mm)

CERTIFICATIONS AND LISTINGS



UDT		C	20	U	41K		
Model	Optics	LED	Wattage	Driver	CCT	Color	Options
UDT= LED Up or Down Wall Cylinder	A=70° Reflector B=100° Reflector D=30° Reflector	C=COB	20=20w	LV=120-277V	41K=4100K	Z=Bronze B=Black C=Custom (Consult Factory)	SF=Single Fuse DF=Double Fuse SP=Surge Protection PC1=Photocell, 120VAC PC3=Photocell, 120-277VAC BU=Battery Backup, 90 Minutes

ACCESSORIES AND REPLACEMENT PARTS



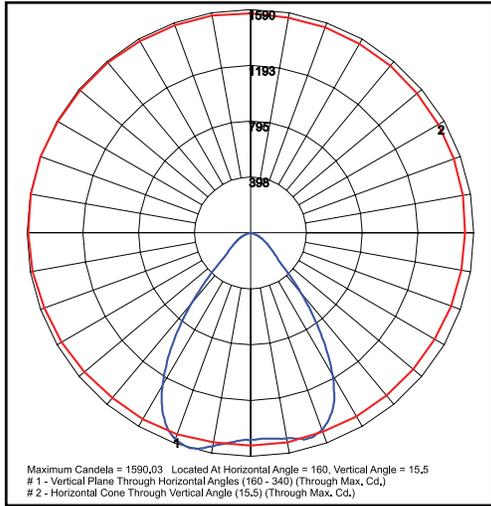
18100 &
18103

REPLACEMENT PARTS (Order Separately, Field Installed)

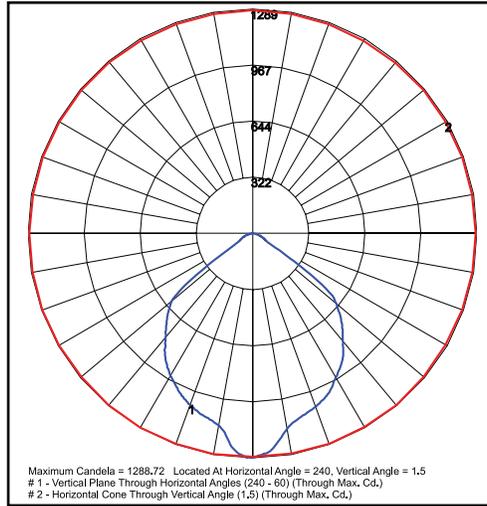
18100	120VAC Photocell
18103	120-277VAC Photocell

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

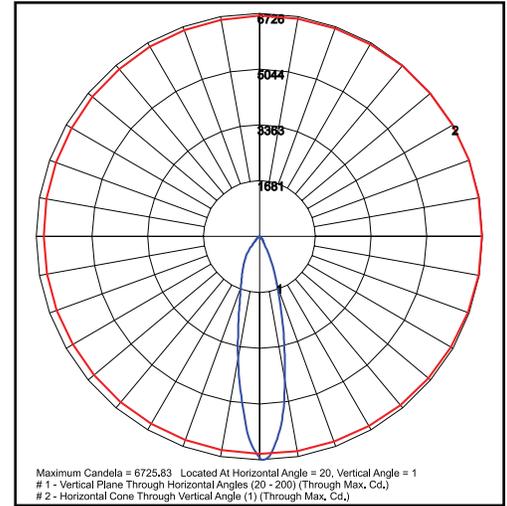
PHOTOMETRIC DATA



70° Reflector



100° Reflector



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 at 25°C
L70 Lumen Maintenance at 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 at 50°C
L70 Lumen Maintenance at 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 at 40°C
L80 Lumen Maintenance at 40°C / 104°F	21	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.