

LED Round High Bay Fixture

SATELLITE PRO



Safe and Sanitary

Topaz's Satellite Pro High Bay fixture offers the latest in performance and functionality for food production areas, warehouses and gymnasiums. With a smooth aluminum die-cast housing this fixture is IP69K rated for maximum resistance of dust, steam and high water pressure, combined with the IK08 rated impact resistant lens. The Satellite Pro is NSF rated for food processing facilities that require a complete hose down to meet sanitation and safety standards. Optional accessories include a pre-programmed motion sensor for increased energy savings by dimming down to 10% during periods of vacancy and remote control to customize settings to meet application brightness, sensitivity, and stand-by needs.

FEATURES

- Aluminum die-cast housing with white powder coat finish
- IK08 impact rated polycarbonate lens
- IP69K rated for maximum resistance of dust, steam, and high-pressure water
- NSF certified for food processing, house down requirement
- Mounting height up to 35-feet
- Assembled with Ring hook with M10 thread, 5 ft safety cable, 6 ft power cord and 6 ft dimming cord with leads. J-Hook included as additional mounting option
- Accessories sold separately, microwave motion sensor, remote control, NPT adapter kit, and emergency battery backup

SUGGESTED APPLICATIONS

- Warehouses
- Gymnasiums
- Industrial lighting
- Retail stores
- Production area
- Food production





Job Name/Title: _____ Catalog Number _____
 Contractor: _____ Notes: _____

LED Round High Bay SATELLITE PRO

GENERAL SPECIFICATIONS

Frequency: 50/60Hz
Power Factor, THD % : >0.9, < 10%
Dimmable: 0-10V¹
Surge Protection Rating: 4kV
Efficacy: 138 LPW
CRI: 80

IES Distribution: Type V
SDCM: > or equal to 5
Functional Life (L70): 50,000 hours
Location Rating: Wet
IP Rating: IP69K Rated
Ambient Operating Temperature: -30°F to 122°F

ITEM SPECIFICATIONS / ORDER INFO

Catalog Number	Order Code	UPC	Lumens	Wattage	Input Voltage	Input Current	CCT	DLC ID
F-LUHB/150/5K/G3	72713	751338038431	20,700	150W	120-277V	1.8/0.85 A	5000K	PL09AENO60CM
F-LUHB/240/5K/G3	72718	751338038448	33,120	240W	120-277V	2.7/1.4 A	5000K	PLPB9XAO5PRP
F-LUHB/150/5K/HV/G3	72717	751338038462	20,700	150W	277-480V	0.85/0.45 A	5000K	PLIEZ4KZTVFI
F-LUHB/240/5K/HV/G3	72715	751338038486	33,120	240W	277-480V	1.4/0.7 A	5000K	PLSPIVJII29R

NOMENCLATURE

Example: F-LUHB/150/5K/HV/G3

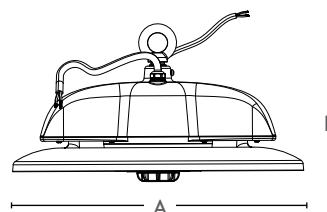
F-LUHB = Fixture - LED UFO High Bay / **150W** = 150 Watt / **5K** = 5000K / **HV** = High Voltage 277-480V / **G3** = Generation
 / **240W** = 240 Watt / / **Blank** = 120-277V

ENERGY SAVINGS

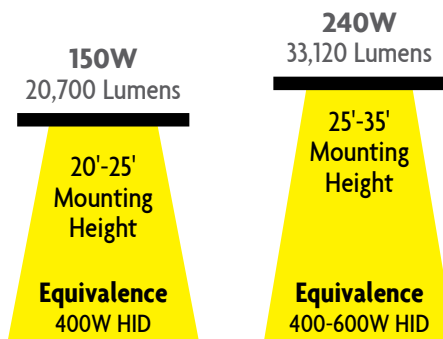
Catalog Number	LED Wattage	HID Replacement Wattage	Watts Saved	Yearly Savings	5 Year Savings
Based on 12 hours/day and \$0.11/kWh					
F-LUHB/150/5K/xx/G3	150W	400W	250W	\$120	\$602
F-LUHB/240/5K/xx/G3	240W	400-600W	360W	\$173	\$867

PRODUCT DIMENSIONS / LINE DRAWING

Catalog Number	(A)	(B)	Weight
F-LUHB/150/5K/G3	13.62"	8.82"	7.27 Lbs.
F-LUHB/240/5K/G3	16.46"	8.82"	11.02 Lbs.
F-LUHB/150/5K/HV/G3	13.62"	8.82"	8.27 Lbs.
F-LUHB/240/5K/HV/G3	16.46"	8.82"	12.57 Lbs.



MOUNTING HEIGHT & REPLACEMENT



NOTES:

¹Dimming with standard 0-10V control system or wall dimmers such as Leviton IP710, DS710 or Lutron DVSTV.

Dimming complies with IEC60929 Annex E. Fixture may not be compatible with all dimmers. Visit www.topaz-usa.com/led-dimmer-compatibility for up-to-date dimmer compatibility information.

Specifications subject to change without prior notice. Replacement wattage shown depends on application and fixture.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING: Some products included in this specification sheet may be subject to the warning requirements of California's Proposition 65. Please refer to your product packaging for more information.

January 2021



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ACCESSORIES (Sold Separately)

Catalog Number	Order Code	UPC	Description
F-LUHB/MS/G3	72721	751338038493	Motion Sensor for G3 High Bay
F-LUHB/RC/G3	72725	751338038509	Remote Control for G3 High Bay (order one per project)
F-LUHB/M10-NPTKIT/G3	72727	751338038516	NPT adapter kit M10 TO 3/4", M10 TO 1/2"
F-LUHB/EMKIT	72728	751338038523	Emergency Battery Kit for LED High Bay



MOTION SENSOR PRE-PROGRAMMED SETTINGS					
Brightness	Sensitivity	Hold time	Daylight Threshold	Stand-by Dimming Level	Stand-by Dimming Period
100%	100%	5 Minutes	Disabled	10%	1 Minute

SAMPLE APPLICATION

Sample Application	Brightness	Sensitivity	Hold Time	Daylight Threshold	Stand-by Dimming Level	Stand-by Dimming Period	Comments
Warehouse (no skylights)	100%	100%	5 minutes	Disable	10%	30 minutes	With the assumption that personnel will only be in an area briefly, the hold time is short and the stand-by level is set low for maximum savings. After 30 minutes, the area will go to off, ensuring that the lights turn off when the facility goes completely vacant.
Warehouse (with skylights)	100%	100%	5 minutes	100 LUX	10%	30 minutes	Same as above, but with the daylight threshold enables so that the lights will turn off when daylight is available. The threshold could be set to lower or higher levels according to the specific needs.
Food handling area	100%	100%	20 minutes	Disable	50%	30 minutes	With the assumption that personnel may spend an extended period of time in a location without moving around a lot, the hold time is relatively long. The stand-by level is set higher so that areas adjacent to the work area are more fully lit. With the 30 minute stand-by period, the area will eventually turn off fully after workers have vacated.
24-hour factory	100%	75%	30 minutes	Disable	30%	+ Infinity	The detection area is set 75% (or perhaps even lower) so that adjacent areas aren't unnecessarily lit. Because workers may be stationary for extended times, the hold time is set to 30 minutes. Because the facility never goes completely vacant, the stand-by period is set to infinity. The facility will never go dark - it will remain at 30% in any area that is vacant.

FIXTURE CAPABILITIES

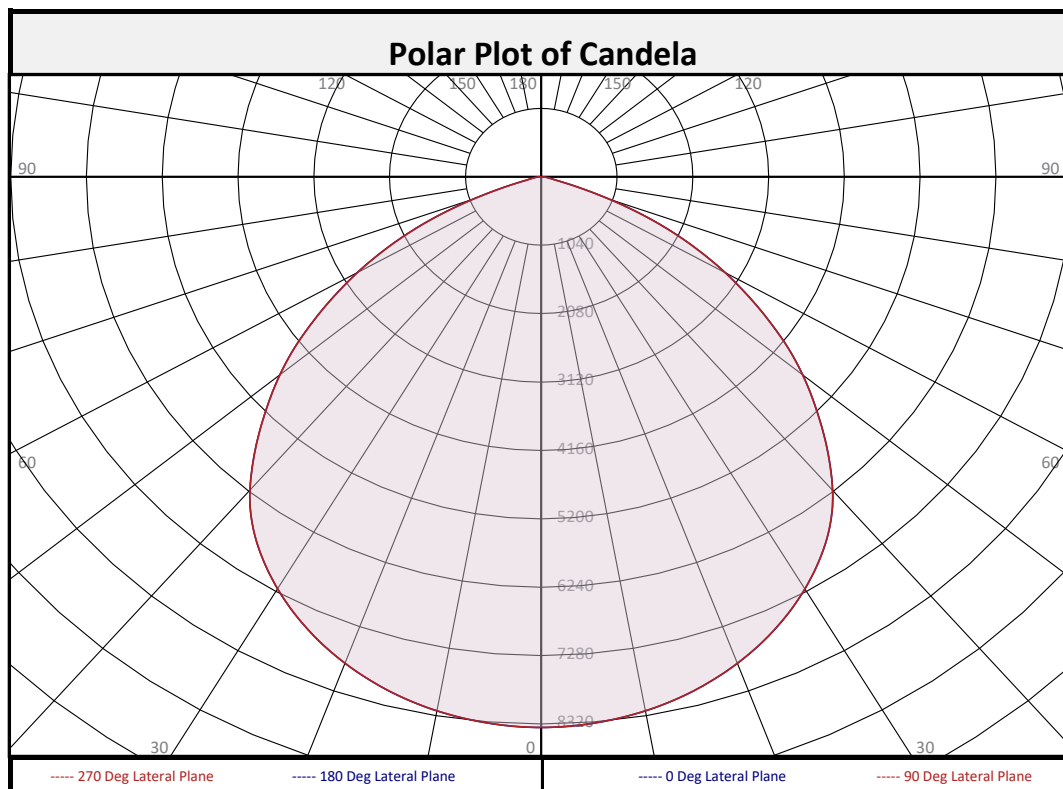
Brightness	Sensitivity	Hold Time	Daylight Threshold	Stand-by Dimming Level	Stand-by Dimming Period
Sets the light brightness during the hold time.	Sets the size of the detection area	The time period that the fixture will remain at full after motion is no longer detected	The light level above which the fixture will turn off and stay off regardless of motion. Typically only used in outdoor or other locations with substantial natural light	The level that the fixture goes to after the hold time is complete. If the stand-by period is 0 sec, the fixture will turn off	The time period that the fixture will remain at the stand-by level before turning off. The stand-by period starts after the hold period
70%, 80%, 90%, 100%	20%, 50%, 75%, 100%	10 sec, 1 min, 5 min, 10 min, 15 min, 20 min, 30 min, 60 min	(MOON ICON, 10LUX, 30LUX, 50LUX, 100LUX, 300LUX, 500LUX, SUN ICON)	0%, 10%, 30%, 50%	+infinity, 1 min, 30 min, 60 min



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F-LUHB/150/5K/G3 and F-LUHB/150/5K/HV/G3



Zonal Flux Summary											
Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total	
0-10	793.5	3.8%		90-100	0.0	0.0%		0-20	3078	14.8%	
10-20	2285	11.0%		100-110	0.0	0.0%		0-30	6576	31.6%	
20-30	3498	16.8%		110-120	0.0	0.0%		0-40	10820	52.0%	
30-40	4244	20.4%		120-130	0.0	0.0%		0-60	18434	88.5%	
40-50	4212	20.2%		130-140	0.0	0.0%		0-80	20765	99.7%	
50-60	3402	16.3%		140-150	0.0	0.0%		10-90	20029	96.2%	
60-70	1943	9.3%		150-160	0.0	0.0%		20-50	11954	57.4%	
70-80	388.3	1.9%		160-170	0.0	0.0%		40-90	10002	48.0%	
80-90	57.2	0.3%		170-180	0.0	0.0%		60-90	2388	11.5%	
0-90	20822	100.0%		90-180	0.0	0.0%		0-180	20822	100.0%	

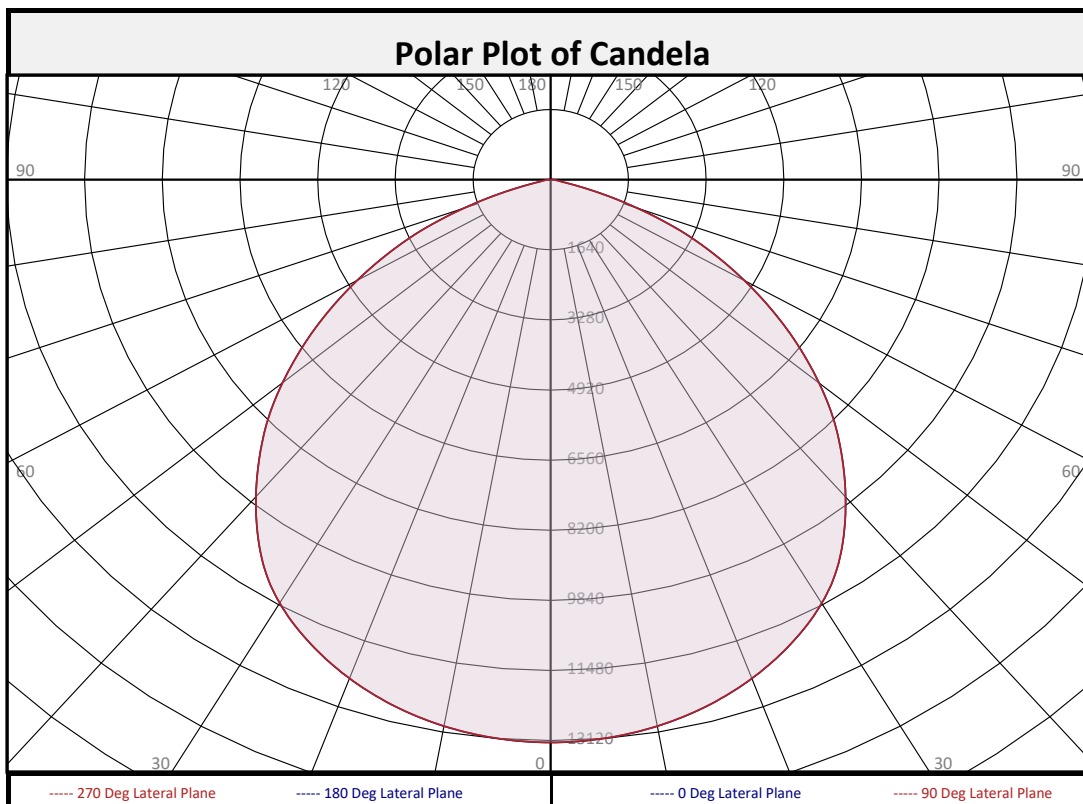
Circle of Light Plot			
Height(ft)	Illuminance at Nadir (fc)	Ground-level distance to half-of-nadir illuminance (ft)	
		0-180 deg	90-270 deg
10.0	83.7	12.82	12.82
14.0	42.7	17.95	17.95
18.0	25.8	23.07	23.07
22.0	17.3	28.20	28.20
26.0	12.4	33.33	33.33
30.0	9.3	38.46	38.46



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F-LUHB/240/5K/G3 and F-LUHB/240/5K/HV/G3



Zonal Flux Summary											
Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total	
0-10	1248	3.7%		90-100	0.0	0.0%		0-20	4848	14.6%	
10-20	3600	10.8%		100-110	0.0	0.0%		0-30	10373	31.1%	
20-30	5525	16.6%		110-120	0.0	0.0%		0-40	17029	51.1%	
30-40	6657	20.0%		120-130	0.0	0.0%		0-60	29063	87.2%	
40-50	6616	19.9%		130-140	0.0	0.0%		0-80	33218	99.7%	
50-60	5418	16.3%		140-150	0.0	0.0%		10-90	32067	96.3%	
60-70	3313	9.9%		150-160	0.0	0.0%		20-50	18797	56.4%	
70-80	842.1	2.5%		160-170	0.0	0.0%		40-90	16286	48.9%	
80-90	97.7	0.3%		170-180	0.0	0.0%		60-90	4252	12.8%	
0-90	33315	100.0%		90-180	0.0	0.0%		0-180	33315	100.0%	

Circle of Light Plot			
Height(ft)	Illuminance at Nadir (fc)	Ground-level distance to half-of-nadir illuminance (ft)	
		0-180 deg	90-270 deg
15.0	58.5	19.28	19.28
20.0	32.9	25.71	25.71
25.0	21.1	32.14	32.14
30.0	14.6	38.57	38.57
35.0	10.7	45.00	45.00
40.0	8.2	51.42	51.42

January 2021