

LED Round High Bay ECLIPSE SERIES - GEN 2



Cooler Than Ever

Topaz's Eclipse Series High Bay Fixture is an ideal lighting source for commercial and industrial applications including manufacturing areas, warehouses and gymnasiums. Designed with integrated cooling fins, the Eclipse offers maximum heat dissipation ensuring a long life when placed in higher ambient temperature locations. The impact rated lens delivers both safety and visual comfort. Mounting options include pendant mount utilizing the threaded hub, or suspension with the included J-hook. This fixture is also compatible with Topaz's optional emergency battery backup kit if required.

FEATURES

- Slim, die-cast aluminum construction with black powder coat finish
- Integrated cooling fins for maximum heat dissipation
- Optical lens designed for minimal glare and visual comfort
- IK08 impact rated polycarbonate lens
- ½" threaded hub for pendant mounting
- Includes threaded J-hook, 7' safety cable, 6' power cord with dimming leads
- Typical for mounting heights up to 30'

SUGGESTED APPLICATIONS

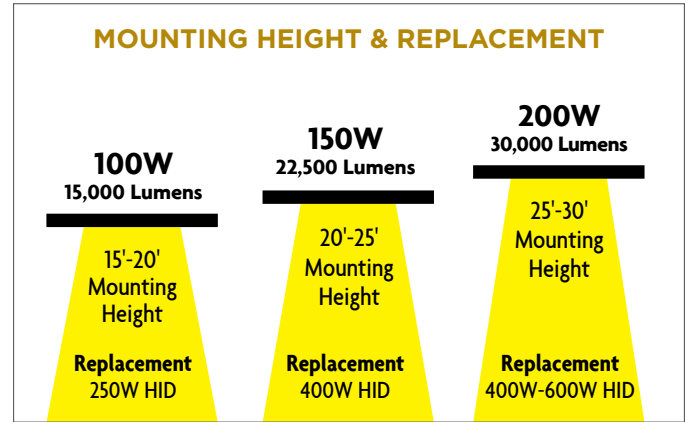
- Commercial and industrial
- Manufacturing areas
- Gymnasiums
- Retail
- Warehouses
- Auto garages
- Horse arenas



LED Round High Bay ECLIPSE SERIES - G2

GENERAL SPECIFICATIONS

Input Voltage, Frequency: 120-277V, 50/60Hz
Power Factor, THD%: >0.9, <20%
Dimmable: 0-10V down to 10%¹
Emergency Backup: Compatible with F-LUHB/EMKIT
Efficacy: 150 LPW
Minimum CRI: 80
Beam Angle: 85°
IES Distribution: Type VS
Functional Life (L70): 50,000 hours
Location Rating: Wet
IP Rating: IP65
Ambient Operating Temperature: -40°F to 122°F



SPECIFICATIONS / ORDER INFO

Catalog Number	Order Code	UPC	Lumens	Wattage	Input Current @120V/277V	CCT	DLC ID*
HBC/100W/50K/BL	72986	751338039414	15,000	100W	0.92/0.40A	5000K	PLDM8DZD38A5
HBC/150W/50K/BL	72987	751338039421	22,500	150W	1.38/0.60A	5000K	PLMUQXQT0ZD3
HBC/200W/50K/BL	72988	751338039438	30,000	200W	1.83/0.79A	5000K	PLY3M1ZZRELS

NOMENCLATURE

HBC = High Bay Circular / **100W** = 100 Watts / **50K** = 5000K / **BL** = Black Finish
150W = 150 Watts
200W = 200 Watts

ACCESSORIES (SOLD SEPARATELY)

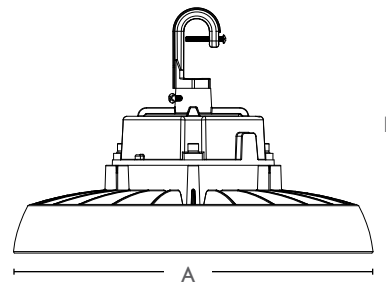
Catalog Number	Order Code	UPC	Description
F-LUHB/EMKIT	72728	751338038523	90 Minute Emergency Battery Backup Kit for LED High Bay

ENERGY SAVINGS

	LED Wattage	HID Replacement Wattage	Watts Saved	Yearly Saving	5 Year Savings
Based on 12 hours/day and \$0.11/kWh					
HBC/100W/50K/BL	100W	250W	150W	\$72	\$361
HBC/150W/50K/BL	150W	400W	250W	\$120	\$602
HBC/200W/50K/BL	200W	400-600W	400W	\$192	\$963

DIMENSIONS / WEIGHTS

Catalog Number	(A)	(B)	Weight
HBC/100W/50K/BL	10.20"	7.30"	4.3 Lbs.
HBC/150W/50K/BL	11.37"	7.76"	6.1 Lbs.
HBC/200W/50K/BL	13.10"	7.95"	7.3 Lbs.



NOTES:

*DLC Primary Use Designation: High-Bay Luminaires for Commercial and Industrial Buildings

¹Dimming with standard 0-10V control system or wall dimmers. 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.

HID equivalent and typical mounting height may vary and depend on application requirements.

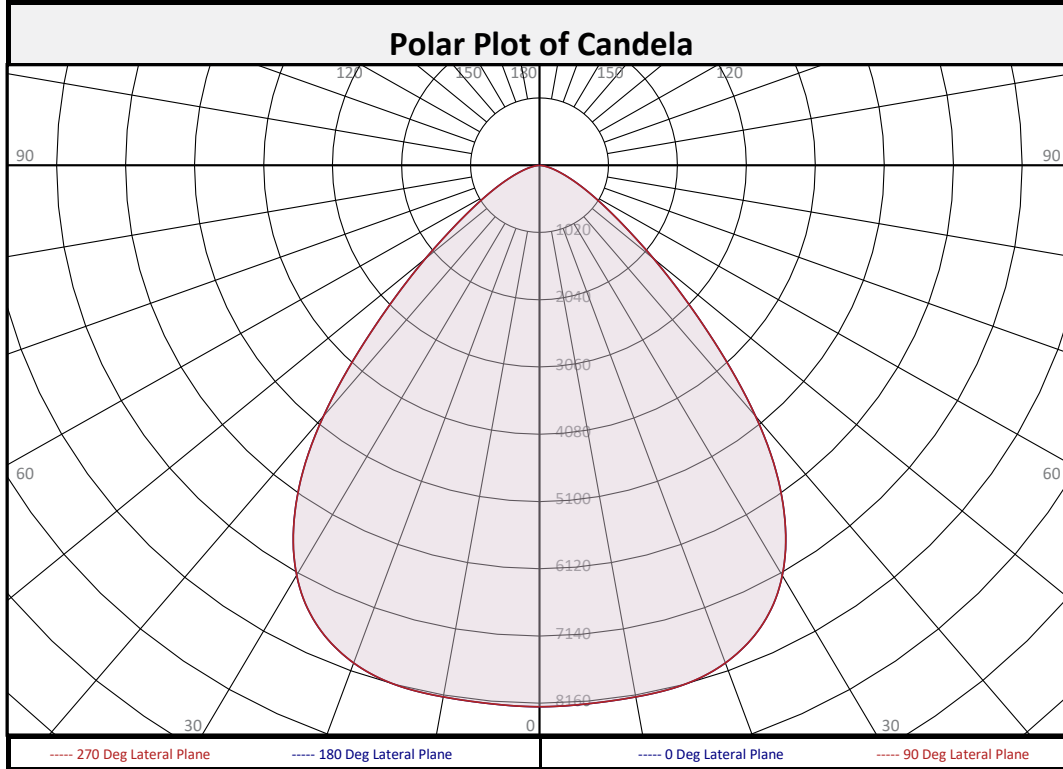
Specifications subject to change without prior notice.

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

LED Round High Bay ECLIPSE SERIES - G2

PHOTOMETRICS

HBC/100W/50K/BL



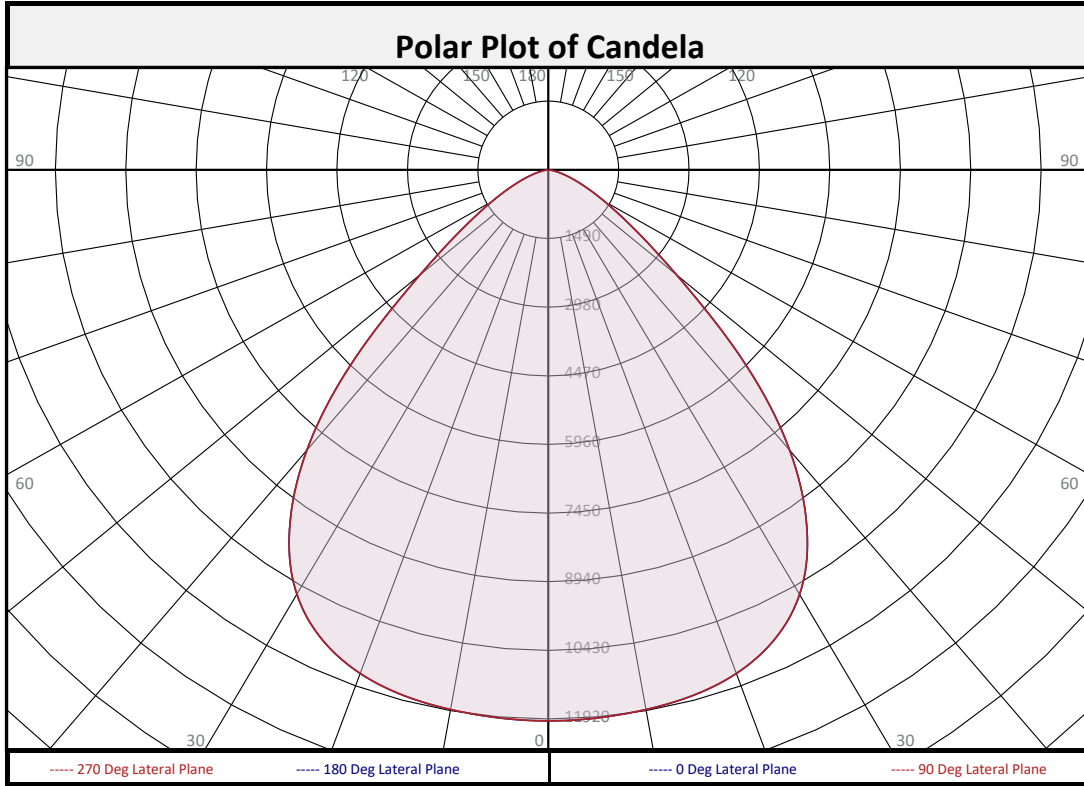
Zonal Flux Summary											
Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total	
0-10	782.7	5.1%		90-100	0.0	0.0%		0-20	3089	20.3%	
10-20	2307	15.1%		100-110	0.0	0.0%		0-30	6637	43.5%	
20-30	3548	23.3%		110-120	0.0	0.0%		0-40	10512	68.9%	
30-40	3875	25.4%		120-130	0.0	0.0%		0-60	14451	94.8%	
40-50	2667	17.5%		130-140	0.0	0.0%		0-80	15214	99.8%	
50-60	1272	8.3%		140-150	0.0	0.0%		10-90	14463	94.9%	
60-70	561.1	3.7%		150-160	0.0	0.0%		20-50	10089	66.2%	
70-80	202.1	1.3%		160-170	0.0	0.0%		40-90	4734	31.1%	
80-90	31.5	0.2%		170-180	0.0	0.0%		60-90	794.6	5.2%	
0-90	15246	100.0%		90-180	0.0	0.0%		0-180	15246	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
6.0	228.1	7.60	7.60
8.0	128.3	10.13	10.13
10.0	82.1	12.66	12.66
12.0	57.0	15.19	15.19
14.0	41.9	17.73	17.73
16.0	32.1	20.26	20.26

LED Round High Bay ECLIPSE SERIES - G2

PHOTOMETRICS

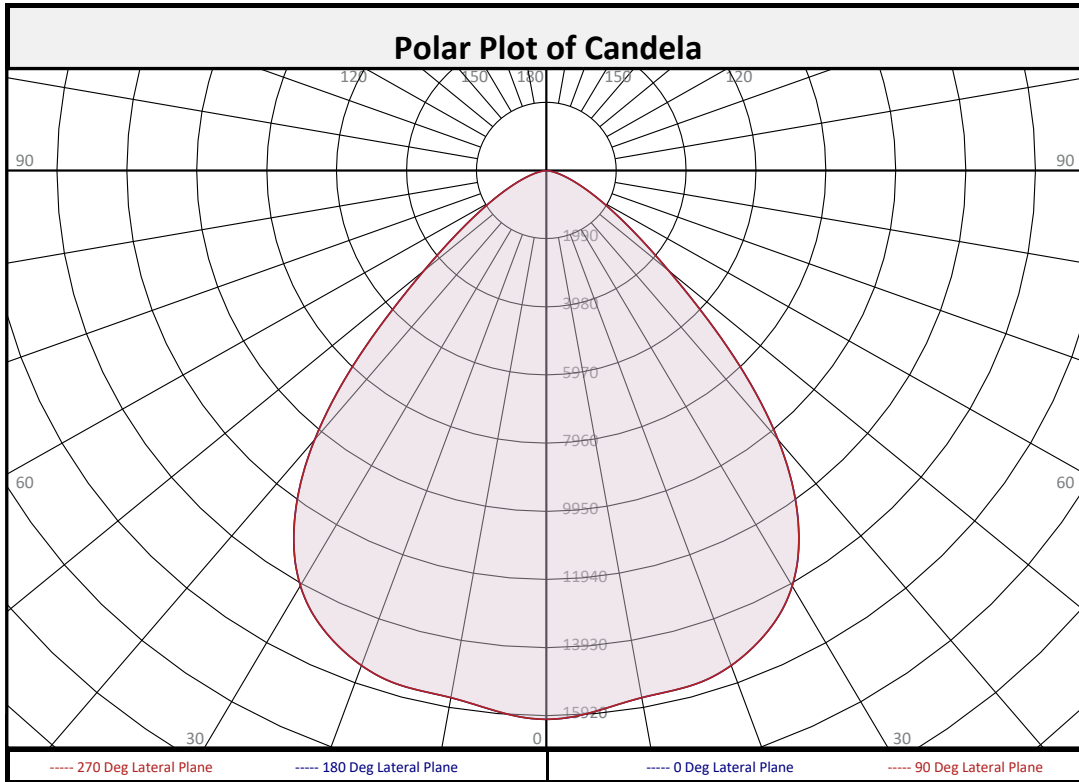
HBC/150W/50K/BL



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	1139	4.9%		90-100	0.0	0.0%		0-20	4478	19.3%
10-20	3339	14.4%		100-110	0.0	0.0%		0-30	9661	41.6%
20-30	5183	22.3%		110-120	0.0	0.0%		0-40	15572	67.1%
30-40	5910	25.5%		120-130	0.0	0.0%		0-60	22003	94.8%
40-50	4405	19.0%		130-140	0.0	0.0%		0-80	23161	99.8%
50-60	2025	8.7%		140-150	0.0	0.0%		10-90	22063	95.1%
60-70	869.0	3.7%		150-160	0.0	0.0%		20-50	15499	66.8%
70-80	289.0	1.2%		160-170	0.0	0.0%		40-90	7630	32.9%
80-90	41.1	0.2%		170-180	0.0	0.0%		60-90	1199	5.2%
0-90	23202	100.0%		90-180	0.0	0.0%		0-180	23202	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
6.0	332.1	7.75	7.75
8.0	186.8	10.33	10.33
10.0	119.6	12.91	12.91
12.0	83.0	15.49	15.49
14.0	61.0	18.08	18.08
16.0	46.7	20.66	20.66

LED Round High Bay ECLIPSE SERIES - G2

PHOTOMETRICS
HBC/200W/50K/BL


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	1506	5.0%		90-100	0.0	0.0%		0-20	5914	19.5%	
10-20	4408	14.5%		100-110	0.0	0.0%		0-30	12749	42.0%	
20-30	6835	22.5%		110-120	0.0	0.0%		0-40	20474	67.5%	
30-40	7724	25.5%		120-130	0.0	0.0%		0-60	28718	94.6%	
40-50	5599	18.4%		130-140	0.0	0.0%		0-80	30285	99.8%	
50-60	2646	8.7%		140-150	0.0	0.0%		10-90	28843	95.0%	
60-70	1160	3.8%		150-160	0.0	0.0%		20-50	20158	66.4%	
70-80	407.2	1.3%		160-170	0.0	0.0%		40-90	9876	32.5%	
80-90	64.2	0.2%		170-180	0.0	0.0%		60-90	1631	5.4%	
0-90	30349	100.0%		90-180	0.0	0.0%		0-180	30349	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
6.0	445.1	7.64	7.64
8.0	250.4	10.18	10.18
10.0	160.2	12.73	12.73
12.0	111.3	15.28	15.28
14.0	81.7	17.82	17.82
16.0	62.6	20.37	20.37