

LED UFO High Bay Fixture

SPEC SHEET



Upgrade Your Facility in Style!

Topaz's UFO style Generation 2 High Bay LED luminaires are compact, lightweight for easy install, and suitable for up to 35 foot mounting heights. DLC qualified with available models delivering 13 to 30K lumens. The luminaire offers a 50K hour life rating and is suitable for elevated ambient temperatures. Perfect for warehouses, gymnasiums and production assembly areas.

FEATURES

- Built-in cooling fins provide maximum heat dissipation for higher ambient temperatures
- Die-cast hook mount standard for ease of installation
- 1/2" threaded hub for pendant mount applications
- Impact resistant glass lens
- Includes 6 foot power & dimming cord with leads
- Wet location rated IP65

APPLICATIONS

- Suitable for wet location
- Warehouse and industrial lighting, big box retail



GENERAL SPECIFICATIONS

Volts: 120-277V

Power Factor: >0.9

THD: <20%

Functional Life (L70): 50,000 hours

Dimming*: 0-10 with max 2 mAmps sink current

Surge Protection: 6 kV

Beam Angle: 110°, IES distribution Type V

CRI: >80

CCT: 5000K

Color: Black

Ambient operating Temp: -40°F to 140°F



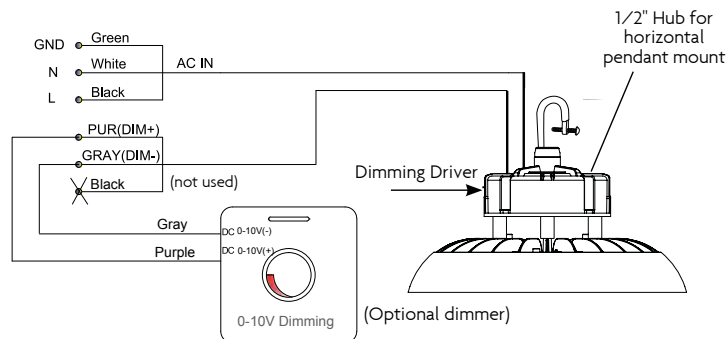


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Contractor: _____ Notes: _____

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DIMMER CONNECTION

- Compatible with 0-10V dimming.
- Connect wires as below, purple wire is D +, gray wire is D -, cap black wire.



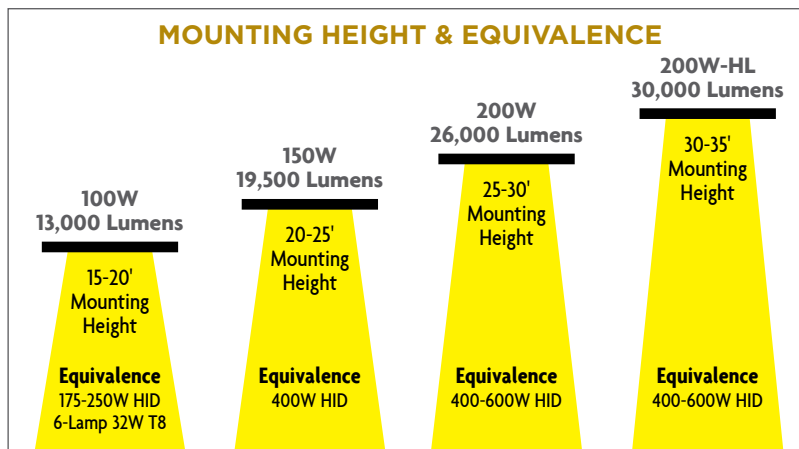
SPECIFICATIONS / ORDER INFO

Catalog Number	Product Code	UPC	Lumens	Input Amps	Wattage	Lumens per watt	Equiv HID Wattage**	Mounting Height	DLC Classification	DLC ID
F-LUHB/100/50K/G2-87	74186	751338020320	13,000	1.5	100	130	175-250W	15' to 20'	Premium	PLQWUHA65IBQ
F-LUHB/150/50K/G2-87	74187	751338020337	19,500	2	150	130	400W	20' to 25'	Standard	PLW3DUR4YQCP
F-LUHB/200/50K/G2-87	74188	751338020412	26,000	3	200	130	400-600W	25' to 30'	Premium	PLF7KQKXOO4O
F-LUHB/200HL/50K-87	74190	751338022904	30,000	3	200	150	400-600W	30' to 35'	Premium	PL3EPSJHJ2CH

ENERGY SAVINGS

	LED Wattage	Equiv HID Wattage	Watts Saved	Yearly Saving, \$	5 Year Savings, \$
Based on 12 hours/day and \$0.11/kWh					
F-LUHB/100/50K/G2-87	100	250W	150	\$72.27	\$361.35
F-LUHB/150/50K/G2-87	150	400W	250	\$120.45	\$602.25
F-LUHB/200/50K/G2-87	200	400W	200	\$96.36	\$481.80
F-LUHB/200/50K/G2-87	200	600W	400	\$192.72	\$963.60
F-LUHB/200HL/50K-87	200	400W	200	\$96.36	\$481.80
F-LUHB/200HL/50K-87	200	600W	400	\$192.72	\$963.60

MOUNTING HEIGHT & EQUIVALENCE



NOMENCLATURE

Example: **F-LUHB/100/50K/G2**

F=Fixture / **LUHB**=LED UFO High Bay 100W / **50K**=5000K / **G2**=Generation 2

*Dimming with standard 0-10V control system or wall dimmers such as Leviton IP710, DS710 or Lutron DVSTV. Dimming complies with IEC60929 Annex E.

**HID equivalent and recommended mounting height may vary and depend on application required illuminance

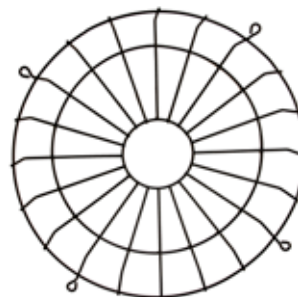
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Fixture may not be compatible with all dimmers. Visit www.topaz-usa.com for up-to-date dimmer compatibility information. Specifications subject to change without notice.

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ACCESSORIES



Yoke Mount
F-LUHB-YOKE MOUNT 74160



Wire Guards
F-LUHB/100-150-GUARD 74210
F-LUHB/200-GUARD 74230



Replacement Lens

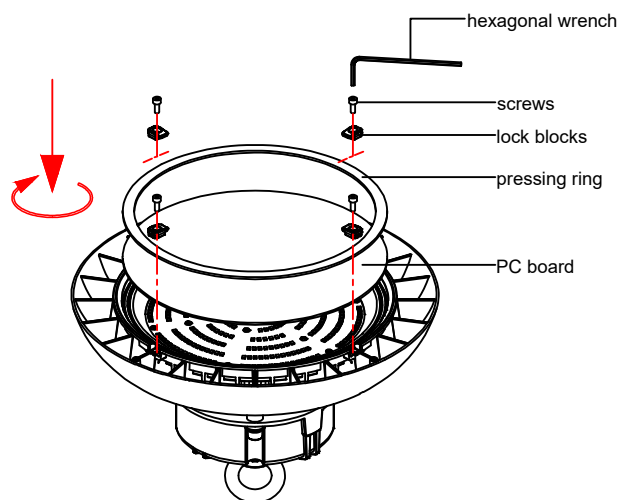
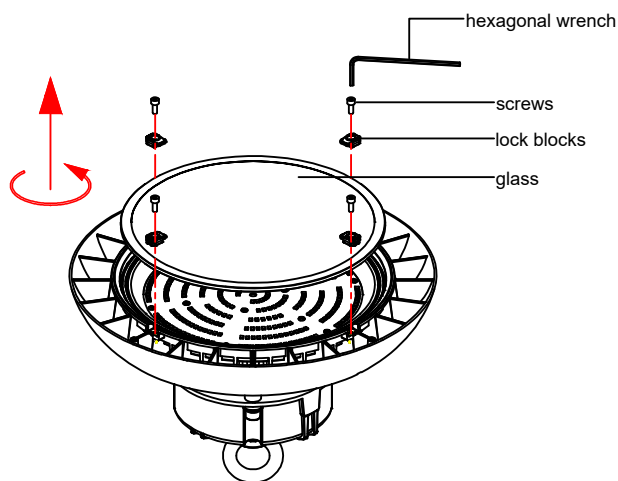
- Impact and Heat Resistant Polycarbonate Lens Material
- Stainless Steel Screws and Iron Holding Ring
- Hardware not included
- IK07 Impact Rating
- 20-PK Master

F-LUHB-LENS	74180	751338032064	9.35" round, 2mm depth
F-LUHB-LENS-200	74182	751338033382	11.81" round, 2mm depth

Works with LUHB/100/50K/G2-87 & F-LUHB/150/50K/G2-87
 Works with LUHB/200/50K/G2-87 & F-LUHB/200HL/50K-87

1. Remove the lamp, turn it upside down, use the hexagonal wrench to disassemble the screws, lock blocks, and remove the glass.

2. Install PC board and pressing ring in turn, then lock the screws and lock blocks with hexagonal wrench.



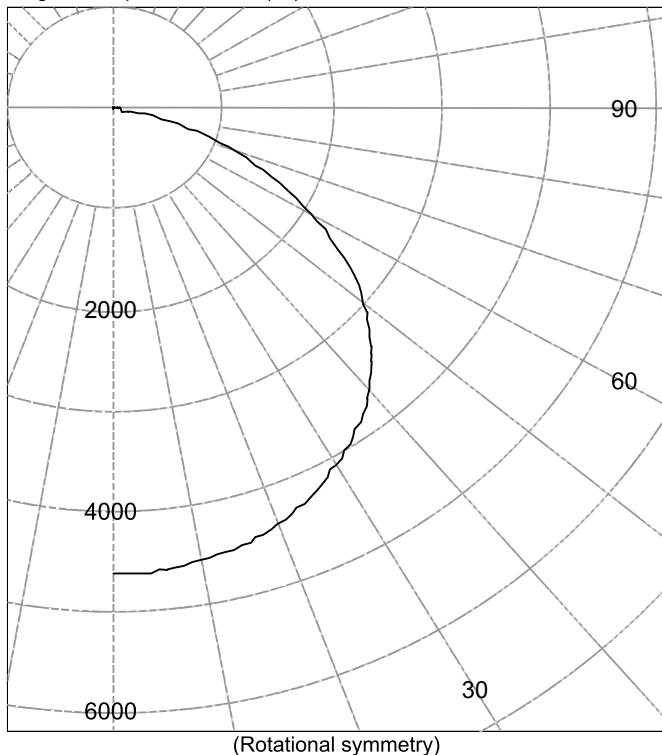


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LED UFO High Bay Fixture SPEC SHEET

F-LUHB/100/50K/G2-87

Legend: All planes - Black (cd)



AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	128709
55.0	122974
65.0	103036
75.0	64368
85.0	6506

Total Light Output = 13,256 lm

Spacing Criterion: 0-180 1.3
 Spacing Criterion: 90-270 1.3

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	4612		90	0	
5	4608	439	95	0	0
10	4566		100	0	
15	4497	1270	105	0	0
20	4391		110	0	
25	4256	1962	115	0	0
30	4081		120	0	
35	3881	2428	125	0	0
40	3638		130	0	
45	3335	2570	135	0	0
50	2991		140	0	
55	2585	2291	145	0	0
60	2079		150	0	
65	1596	1576	155	0	0
70	1106		160	0	
75	610	662	165	0	0
80	221		170	0	
85	21	58	175	0	0
90	0		180	0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	3671	N / A	27.7
0-40	6099	N / A	46.0
0-60	10960	N / A	82.7
0-90	13256	N / A	100.0
40-90	7157	N / A	54.0
60-90	2296	N / A	17.3
90-180	0	N / A	0.0
0-180	13256	N / A	100.0

Circle of Light Plot			
Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	128.1	7.89	7.89
8.0	72.1	10.52	10.52
10.0	46.1	13.15	13.15
12.0	32.0	15.77	15.77
14.0	23.5	18.40	18.40
30.0	5.1	39.44	39.44

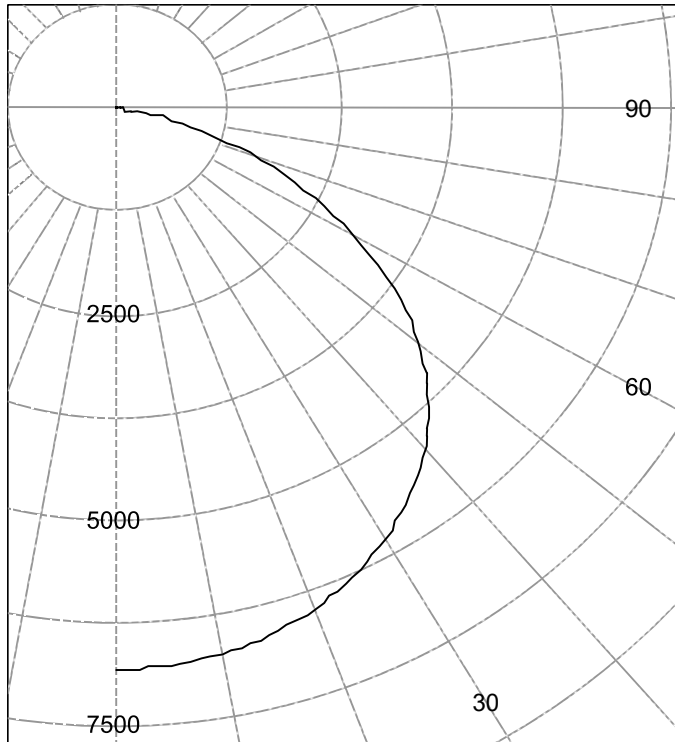


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LED UFO High Bay Fixture SPEC SHEET

F-LUHB/150/50K/G2-87

Legend: All planes - Black (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	190147
55.0	181138
65.0	150077
75.0	91181
85.0	9378

Total Light Output = 19,485 lm

Spacing Criterion: 0-180 1.3
 Spacing Criterion: 90-270 1.3

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	6805		90	0	
5	6800	647	95	0	0
10	6736		100	0	
15	6630	1873	105	0	0
20	6475		110	0	
25	6276	2894	115	0	0
30	6021		120	0	
35	5729	3584	125	0	0
40	5374		130	0	
45	4927	3797	135	0	0
50	4416		140	0	
55	3807	3373	145	0	0
60	3042		150	0	
65	2324	2295	155	0	0
70	1598		160	0	
75	865	942	165	0	0
80	305		170	0	
85	30	80	175	0	0
90	0		180	0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	5414	N / A	27.8
0-40	8998	N / A	46.2
0-60	16168	N / A	83.0
0-90	19485	N / A	100.0
40-90	10486	N / A	53.8
60-90	3316	N / A	17.0
90-180	0	N / A	0.0
0-180	19485	N / A	100.0

Circle of Light Plot

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	189.0	7.89	7.89
8.0	106.3	10.52	10.52
10.0	68.1	13.15	13.15
12.0	47.3	15.78	15.78
14.0	34.7	18.41	18.41
30.0	7.6	39.44	39.44

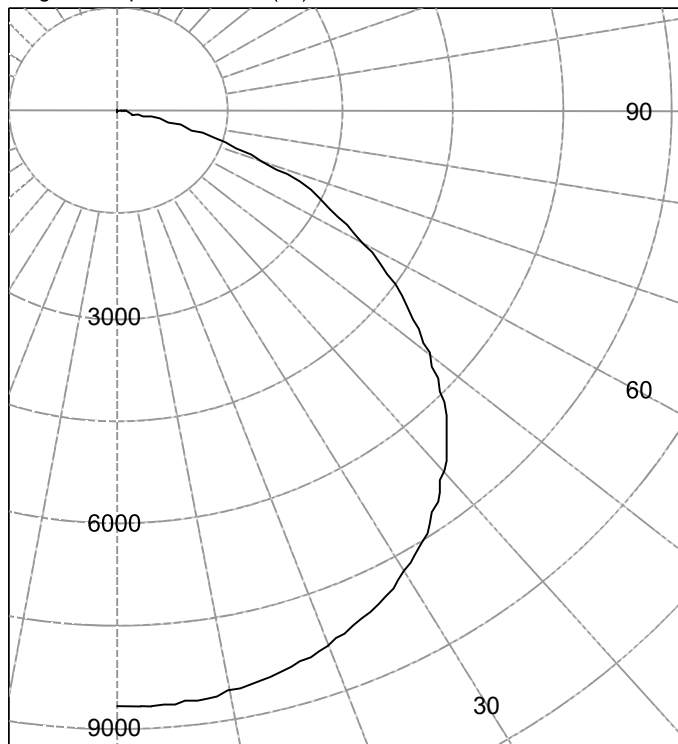


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LED UFO High Bay Fixture SPEC SHEET

F-LUHB/200/50K/G2-87

Legend: All planes - Black (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	144826
55.0	133225
65.0	116016
75.0	74688
85.0	11439

Total Light Output = 24,842 lm

Spacing Criterion: 0-180 1.3
 Spacing Criterion: 90-270 1.3

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	8684		90	0	
5	8671	825	95	0	0
10	8598		100	0	
15	8466	2393	105	0	0
20	8281		110	0	
25	8044	3710	115	0	0
30	7741		120	0	
35	7336	4587	125	0	0
40	6836		130	0	
45	6261	4801	135	0	0
50	5475		140	0	
55	4672	4173	145	0	0
60	3855		150	0	
65	2998	2955	155	0	0
70	2071		160	0	
75	1182	1268	165	0	0
80	453		170	0	
85	61	130	175	0	0
90	0		180	0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	6928	N / A	27.9
0-40	11515	N / A	46.4
0-60	20489	N / A	82.5
0-90	24842	N / A	100.0
40-90	13327	N / A	53.6
60-90	4353	N / A	17.5
90-180	0	N / A	0.0
0-180	24842	N / A	100.0

Circle of Light Plot

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	241.2	7.93	7.93
8.0	135.7	10.57	10.57
10.0	86.8	13.21	13.21
12.0	60.3	15.85	15.85
14.0	44.3	18.50	18.50
30.0	9.6	39.63	39.63

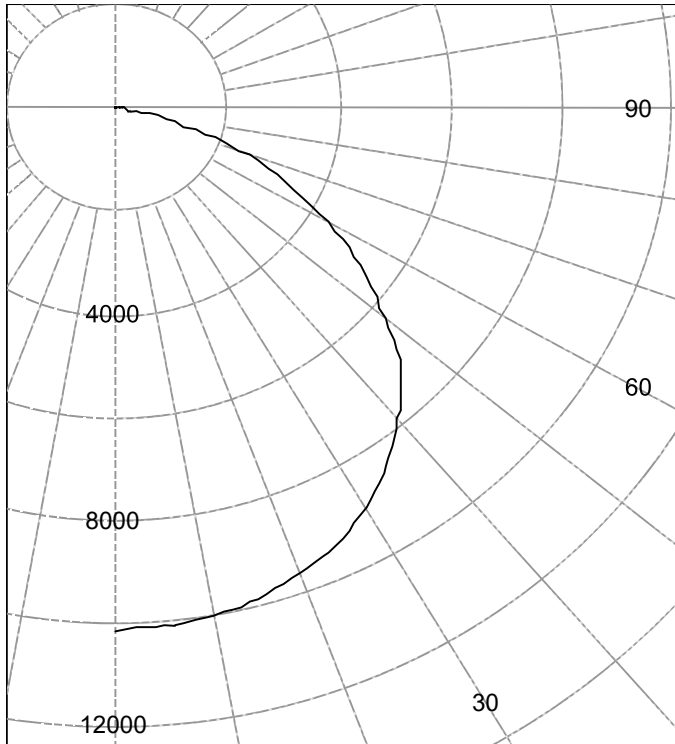


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LED UFO High Bay Fixture SPEC SHEET

F-LUHB/200HL/50K-87

Legend: All planes - Black (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	166876
55.0	152787
65.0	130805
75.0	80697
85.0	13207

Total Light Output = 28,519 lm

Spacing Criterion: 0-180 1.3
 Spacing Criterion: 90-270 1.3

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	10126		90	0	
5	10099	961	95	0	0
10	10009		100	0	0
15	9845	2782	105	0	0
20	9624		110	0	0
25	9342	4308	115	0	0
30	8968		120	0	0
35	8459	5293	125	0	0
40	7876		130	0	0
45	7214	5534	135	0	0
50	6312		140	0	0
55	5358	4787	145	0	0
60	4396		150	0	0
65	3380	3332	155	0	0
70	2301		160	0	0
75	1277	1379	165	0	0
80	480		170	0	0
85	70	141	175	0	0
90	0		180	0	0

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	8051	N / A	28.2
0-40	13344	N / A	46.8
0-60	23666	N / A	83.0
0-90	28519	N / A	100.0
40-90	15175	N / A	53.2
60-90	4853	N / A	17.0
90-180	0	N / A	0.0
0-180	28519	N / A	100.0

Circle of Light Plot

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	281.3	7.86	7.86
8.0	158.2	10.48	10.48
10.0	101.3	13.11	13.11
12.0	70.3	15.73	15.73
14.0	51.7	18.35	18.35
30.0	11.3	39.32	39.32