

HLHB HI-LUMEN LED

LED High-bay Lighting for Hazardous Locations

- Class I, Division 2, Groups A, B, C, & D
- UL 1598A Marine Outside Type
- UL 1598 Wet Locations
- UL 8750 LED Safety
- UL 844 Hazardous Locations
- Emergency Battery Backup
- -40°C to 70°C Ambient Temperature
- CSA C22.2 No. 250.0-08
- CSA C22.2 No. 137-18
- NEMA 4X
- IP66
- DLC Listed Premium
- Tested to LM 79 & LM 80



HLHB
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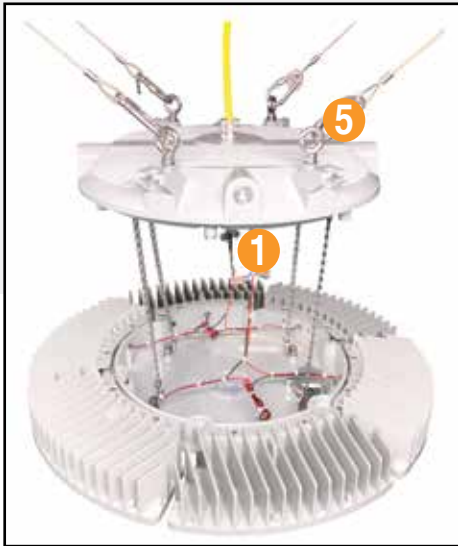
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LED High-bay Lighting for Hazardous Locations

Key Features:

- 1 Four (4) 12" Stainless steel sash chains for convenient access to the wiring compartment
- 2 Spring pressure connection terminal block
- 3 Interchangeable optics with 45, 60, 90 and 120 degree beam angle options
- 4 Field replaceable LED circuit boards, LED modules and drivers with quick disconnects
- 5 Four (4) safety cable attachment points



Additional Features:

- Chain/cable and surface mounting
- Emergency battery backup option
- 0-10V dimming, range 10-100%
- Standard 10kV surge protection
- 5-year warranty

Standard Materials:

- Body: A360 aluminum (less than .4% copper content) with baked-on gray epoxy finish
- Gaskets: One-piece silicone
- Lens: Polycarbonate
- Hardware: Stainless Steel

LED

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Catalog Number Logic

HLHB 6-L-U-XX-XX-XX

1

2

3

4

5

6

7

1

SERIES

HLHB = Hazardous Locations

2

LAMP WATTAGE

3 = 200 Watt
4 = 306 Watt
5 = 349 Watt
6 = 423 Watt
7 = 513 Watt
8 = 563 Watt
9 = 655 Watt

3

LAMP TYPE

L = LED (5000K CCT)

4

VOLTAGE/ FREQUENCY

U = 120 - 277V 50/60 HZ
N = 347/480V 60 HZ
12 = 120V 60HZ¹
20 = 208V 60HZ¹
22 = 220V 50HZ¹
24 = 240V 60HZ¹
27 = 277V 60HZ¹
34 = 347V 60HZ
48 = 480V 60HZ¹

5

OPTICS

Blank = TYPE V @ 90 Deg Beam Angle
45 = TYPE V @ 45 Deg Beam Angle
60 = TYPE V @ 60 Deg Beam Angle
12 = TYPE V @ 120 Deg Beam Angle

6

ENTRIES

Blank = 3/4 NPT (Top & Side)
P1 = 1" Top Entry
P2 = 25mm Top Entry
P3 = 32mm Top Entry
C1 = 1" Side Entries
C2 = 25mm Side Entries
C3 = 32mm Side Entries

7

OPTIONS¹

EM = Emergency Battery Backup (Not Available with 347/480V)
FB = Fuse Block¹
30 = 3000K CCT
40 = 4000K CCT

¹Specify voltage when option FB is needed. When option FB is selected, one fuse block is provided for 120 & 277V. Two fuse blocks are provided for 208, 220, 240 and 480V. Fuse option not available for marine listed fixtures or for fixtures listed for use in Canada.

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Certification Guide

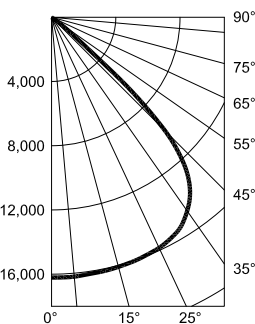
Model	Number of Modules	Wattage	Operating Voltage	Total Lumens	Lumen per Watt	CRI	CCT	Ambient Temperature		Class I, Div. 2, Group A, B, C & D	Supply Wire Suitable Temp. °C
								Cable/Chain Mount	Ceiling Mount		
HLHB9LU	6	655W	120V - 277V 50/60 Hz	95,464	145	84	4906	-40°C < Tamb < 55°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB9LN		646W	347V / 480V 60 Hz	95,813	148	84	4918	-40°C < Tamb < 60°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB8LU		563W	120V - 277V 50/60 Hz	85,354	151	84	4910	-40°C < Tamb < 55°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB8LN		574W	347V / 480V 60 Hz	86,184	149	84	4914	-40°C < Tamb < 60°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB7LU		513W	120V - 277V 50/60 Hz	77,675	151	84	4882	-40°C < Tamb < 60°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB7LN		511W	347V / 480V 60 Hz	78,548	153	84	4907	-40°C < Tamb < 65°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB6LU	4	423W	120V - 277V 50/60 Hz	60,544	142	83	4979	-40°C < Tamb < 65°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB6LN		479W	347V / 480V 60 Hz	68,491	142	83	4985	-40°C < Tamb < 65°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB5LU		349W	120V - 277V 50/60 Hz	51,726	148	83	4963	-40°C < Tamb < 65°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB5LN		346W	347V / 480V 60 Hz	52,180	150	84	4961	-40°C < Tamb < 65°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB4LU		306W	120V - 277V 50/60 Hz	45,637	148	84	4947	-40°C < Tamb < 70°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB4LN		303W	347V / 480V 60 Hz	46,385	142	84	4948	-40°C < Tamb < 70°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB3LU	3	200W	120V - 277V 50/60 Hz	30,973	154	84	4893	-40°C < Tamb < 65°C	-40°C < Tamb < 40°C	T4A	105°C
HLHB3LN		200W	347V / 480V 60 Hz	31,479	156	84	4891	-40°C < Tamb < 65°C	-40°C < Tamb < 40°C	T4A	105°C

* Ambient temperature of all EM models is 0°C < Tamb < 40°C

Candlepower Distribution

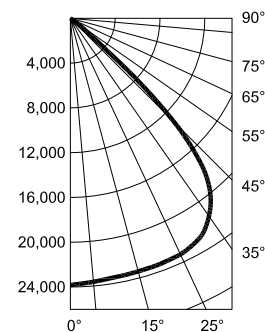
HLHB3LU

Deg.	0.	30	60	90
0	16210.2	16210.2	16210.2	16210.2
10	16214.4	16216.6	16180.8	16163.2
20	16176.5	16273.1	16065.4	16002.8
30	15747.7	15899.9	15614.7	15514.3
40	13709.8	13853.7	13545	13376.7
50	2661.3	2690.5	2590.3	2528.9
60	355.7	361.2	352.4	350.9
70	204.6	206.5	202.6	203.5
80	105.2	104.9	104.2	105
90	10.6	9.8	10.6	11.6



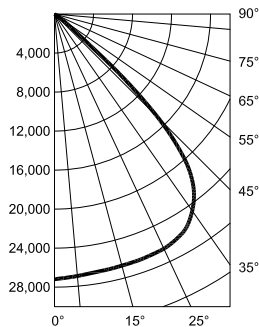
HLHB4LU

Deg.	0.	30	60	90
0	23828.3	23828.3	23828.3	23828.3
10	23294.8	23572.4	23936.9	23485.5
20	23088.3	23380.5	23640.1	23383.9
30	22562.4	22817.4	22990.1	22828.7
40	19553.8	19627.1	19762.5	19306.6
50	2496.5	2488.9	2676.8	2280.7
60	541.6	537.2	537.6	513
70	316.5	312.1	309	298.5
80	152.6	147.1	155.4	147.7
90	20.2	20.4	20.4	20



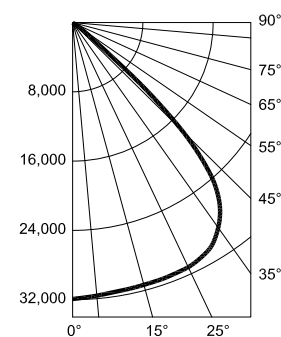
HLHB5LU

Deg.	0.	30	60	90
0	27187.7	27187.7	27187.7	27187.7
10	26579	26895.7	27311.6	26796.6
20	26343.3	26676.8	26973	26680.7
30	25743.3	26034.3	26231.3	26047.2
40	22310.5	22394.2	22548.7	22028.5
50	2848.4	2839.8	3054.2	2602.2
60	617.9	612.9	613.4	585.3
70	361.1	356.1	352.5	340.6
80	174.2	167.9	177.3	168.6
90	23	23.2	23.3	22.8



HLHB6LU

Deg.	0.	30	60	90
0	23828.3	23828.3	23828.3	23828.3
10	23294.8	23572.4	23936.9	23485.5
20	23088.3	23380.5	23640.1	23383.9
30	22562.4	22817.4	22990.1	22828.7
40	19553.8	19627.1	19762.5	19306.6
50	2496.5	2488.9	2676.8	2280.7
60	541.6	537.2	537.6	513
70	316.5	312.1	309	298.5
80	152.6	147.1	155.4	147.7
90	20.2	20.4	20.4	20



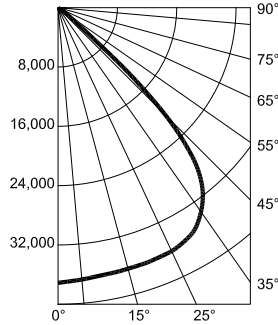
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Candlepower Distribution

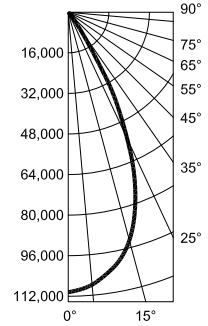
HLHB6LN

Deg.	0.	30	60	90
0	37109.7	37109.7	37109.7	37109.7
10	36278.8	36711.1	37278.8	36575.8
20	35957.1	36412.3	36816.5	36417.6
30	35138.1	35535.3	35804.2	35552.9
40	30452.6	30566.8	30777.7	30067.7
50	3887.9	3876.2	4168.8	3551.8
60	843.4	836.6	837.2	799.0
70	492.9	486.0	481.2	464.9
80	237.7	229.2	242.0	230.1
90	31.5	31.7	31.8	31.1



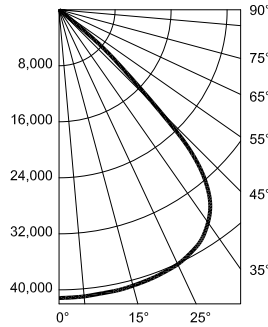
HLHB6LN-45

Deg.	0.	30	60	90
0	110405.0	110405.0	110405.0	110405.0
10	102159.7	102949.3	104168.9	103000.5
20	71920.4	75434.9	79131.8	77884.5
30	18975.2	23447.9	29306.3	29603.4
40	1672.3	1761.8	1870.1	1853.5
50	1426.8	1449.2	1437.6	1445.4
60	1291.8	1274.8	1266.4	1290.4
70	1068.6	1158.5	1123.6	1227.4
80	828.7	697.0	672.7	655.0
90	24.3	128.1	429.6	388.6



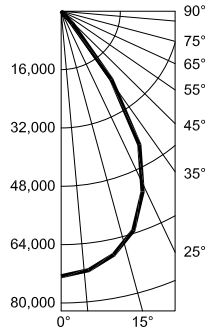
HLHB7LU

Deg.	0.	30	60	90
0	41166.8	41166.8	41166.8	41166.8
10	41052.2	41062	41006.1	40965.5
20	40634	40613	40568.3	40502.6
30	39227	39150.1	39124.9	39137.5
40	33323.4	33045.1	33813	33035.3
50	4808.2	3589.8	4912.3	4475.3
60	827.6	821.4	831.9	830
70	492.5	493.9	497.8	507.2
80	246.8	235.1	246.5	249.8
90	38.1	38.1	37.9	38



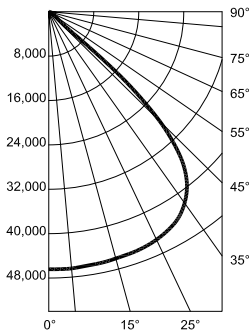
HLHB6LN-60

Deg.	0.	30	60	90
0	72665.3	72665.3	72665.3	72665.3
10	68928.7	69067.7	70971.8	69522.9
20	59688.1	60079.0	62000.4	60975.4
30	39754.4	40906.2	42867.6	42275.2
40	7701.3	7753.4	10939.7	9718.2
50	1061.8	1064.9	1076.2	1063.6
60	971.1	982.7	977.8	974.9
70	833.7	841.1	820.0	823.8
80	451.4	478.5	471.5	484.3
90	27.6	27.2	30.1	25.3



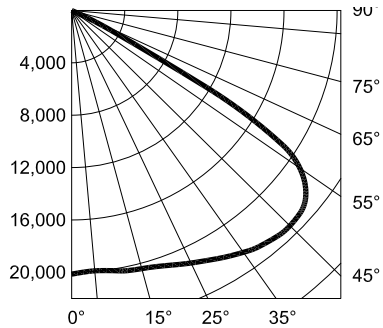
HLHB8LU

Deg.	0.	30	60	90
0	46413.3	46413.3	46413.3	46413.3
10	46233.7	46239	46233.7	46283
20	45675.9	45702.3	45704.1	45795.6
30	44182.1	44238.4	44277.1	44308.8
40	37509.9	37603.2	38380.9	38173.2
50	5247.3	5386.5	7981.4	7048.8
60	932.3	952.1	965.3	954.9
70	557	556.3	566.2	560.8
80	279.7	279.7	295.9	287.4
90	42.8	42.8	42.4	42.3



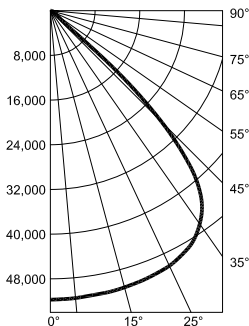
HLHB6LN-12

Deg.	0.	30	60	90
0	20138.6	20138.6	20138.6	20138.6
10	20528.4	20970.1	20541.9	20082.8
20	21472.9	21819.8	21281	20755.4
30	22751.5	22800.7	22306	21895.1
40	23882	23789.7	23411.4	23099.7
50	23138.7	23315.7	23146.3	22864.6
60	11461.5	11630.1	13092.6	11687.3
70	501.9	489.4	495	510.6
80	237.8	237.8	246	242.5
90	28.8	26.5	30.7	25.7



HLHB9LU

Deg.	0.	30	60	90
0	51730.8	51730.8	51730.8	51730.8
10	51586.8	51599.1	51528.8	51477.8
20	51061.3	51034.9	50978.7	50896.1
30	49293.2	49196.5	49164.9	49180.7
40	41874.7	41525	42489.8	41512.6
50	6042	4511	6172.8	5623.8
60	1040	1032.1	1045.4	1043
70	618.8	620.6	625.6	637.3
80	310.1	295.4	309.7	313.9
90	47.9	47.8	47.6	47.7

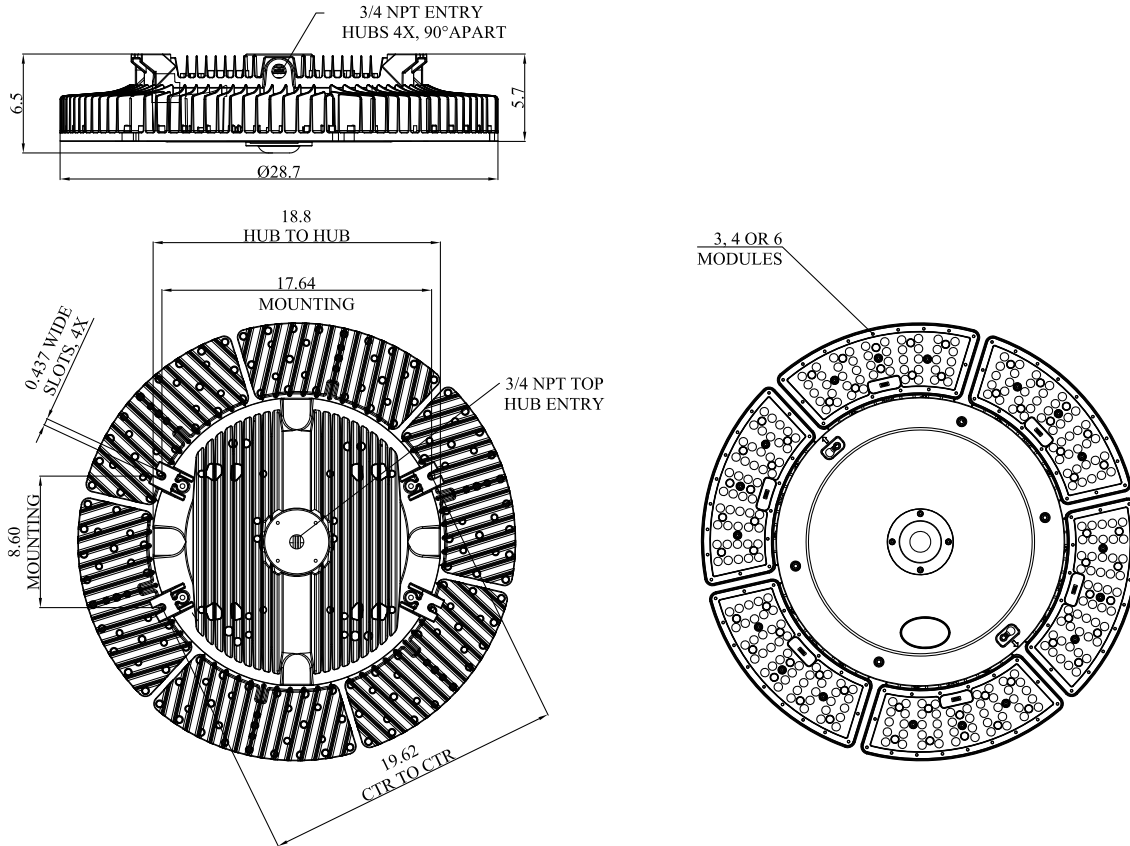


LED

HLHB HI-LUMEN

LED High-bay Lighting for Hazardous Locations

Fixture Dimensions (inches)



Part Number	Modules	Fixture Weight (Lbs)*	Box Weight (Lbs)*
HLHB9LU	6	69	77
HLHB9LN			
HLHB8LU			
HLHB8LN			
HLHB7LU			
HLHB7LN			
HLHB6LU	4	58	66
HLHB6LN			
HLHB5LU			
HLHB5LN			
HLHB4LU	3	49	57
HLHB4LN			
HLHB3LU			
HLHB3LN			

* For EM Models add 4 lbs