

DESCRIPTION

The HB LED High Bay is a true alternative to HID High Bay's and the T8 and T5 Fluorescent High Bay's. This rugged LED High Bay will save up to 50% energy cost on HID, 30% over T8 and 15% over T5.

SPECIFICATION FEATURES

Construction

Die formed 22 gauge galvanized steel painted high gloss white. Hinge Frame and Frosted Lens plus a painted metal Wire Guard are available as an option

Controls

The LED High Bay is powered by Ultrasave drivers and modules

Electrical

Long Life LED System complete with electrical driver to deliver the optimal performance. LED's available in a 3500K, 4000K and 5000K with a typical CRI: 80. Rated for 94,000 hours. Electronic Drivers are available in 120/277 and 347 Volt applications

Driver and Module Access

Drivers can be accessed by removing the module plate

Finish

22 gauge galvanized steel and high gloss enamel paint finish ensures maximum bonding and rust inhibition

Shielding

A hinge frosted frame and lens are available as an option

Compliance

Modules and Drivers are UL recognized components and indoor luminaires are cULus listed

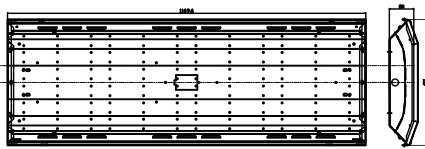
Warranty

5 years

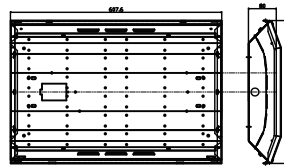


**LED HIGH BAY
LUMINAIRE**

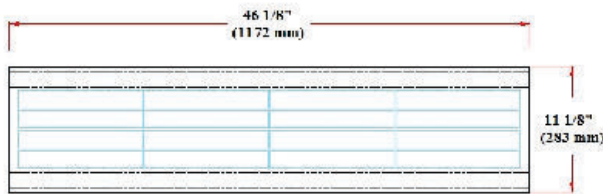
powered by
ULTRASAVE



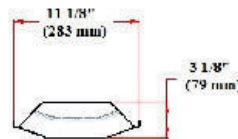
HB24LED24
Dimension
mm | 1170(L) x 411(W) x 80(D)
inch | 46"(L) x 16"(W) x 3"(D)



HB12LED12
Dimension
mm | 608(L) x 411(W) x 80(D)
inch | 24"(L) x 16"(W) x 3"(D)



HB16LED16 / HB80LED08
Dimension
mm | 1172(L) x 283(W) x 79(D)
inch | 46"(L) x 11"(W) x 3"(D)



ORDERING CODE, ENERGY AND PERFORMANCE DATA

Table with 8 columns: Model No., Delivered Lumens (lm), Input Watts (W), Voltage (V), Colour Temp. (K), Efficacy (lm/W), Status. Rows include HB24LED24, HB16LED16, HB12LED12, HB80LED08.

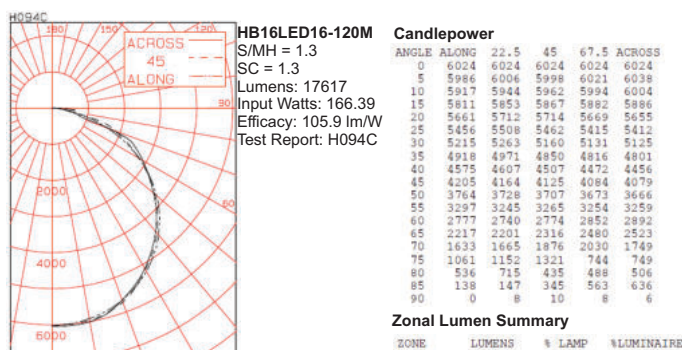
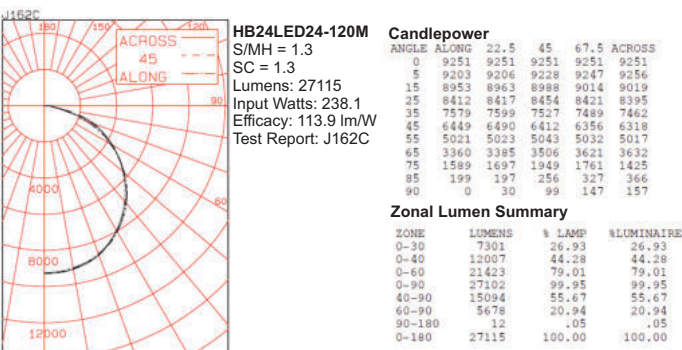
OPTIONAL ACCESSORIES

- HB LED FRAME/LENS | Frame and Lens for HB16 & HB80 (Frosted)
HB LED WG | Wire Guard for HB16 & HB80 (Painted White)
HB12 LED FRAME/LENS | Frame and Lens for HB12 (Frosted)
HB12-WG | Wire Guard for HB12 (Painted White)
HB24 LED FRAME/LENS | Frame and Lens for HB24 (Frosted)
HB24-WG | Wire Guard for HB24 (Painted White)
YM2502 | HB Occupancy Sensor

SHIPPING DATA

Table with 2 columns: Model No., Weight. Rows include HB24LED04, HB16LED16, HB12LED12, HB80LED08.

PHOTOMETRICS



Coefficient of Utilization Effective floor cavity reflectance = 20%

Table showing Coefficient of Utilization (CU) for various wall and room cavity reflectance (RCR) values.

Coefficient of Utilization Effective floor cavity reflectance = 20%

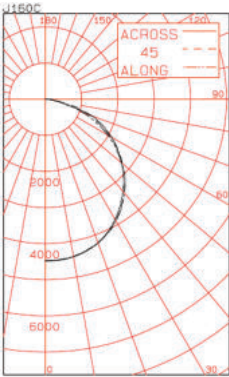
Table showing Coefficient of Utilization (CU) for various wall and room cavity reflectance (RCR) values.



Energy Efficient Lighting Company Limited
331 Amber Street, Unit B, Markham, ON L3R 3J7 Canada
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Email: marketing@eelighting.ca | URL: www.eelighting.ca

Specifications and dimensions subject to change without notice. Consult your Energy Efficient Lighting Representative for availability and ordering information.

PHOTOMETRICS



HB12LED12-120M
 S/MH = 1.3
 SC = 1.3
 Lumens: 12977
 Input Watts: 112.3
 Efficacy: 115.6 lm/W
 Test Report: J160C

Candlepower

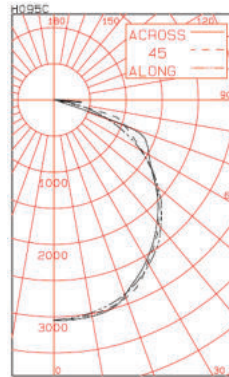
ANGLE	ALONG	22.5	45	67.5	ACROSS
0	4470	4470	4470	4470	4470
5	4460	4457	4462	4466	4471
15	4345	4338	4339	4343	4348
25	4073	4070	4082	4067	4059
35	3656	3637	3638	3614	3597
45	3097	3124	3090	3068	3046
55	2377	2387	2432	2428	2433
65	1565	1582	1676	1756	1744
75	713	770	926	650	622
85	71	89	122	201	226

Zonal Lumen Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3527	27.19	27.19
0-40	5797	44.68	44.68
0-60	10325	79.56	79.57
0-90	12975	99.99	99.99
40-90	7178	55.31	55.31
60-90	2650	20.43	20.43
90-180	1	.01	.01
0-180	12977	100.00	100.00

Coefficient of Utilization
 Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	0
70	.50	.30	.10	.05	.03	.02
50	.30	.10	.05	.03	.02	.01
30	.10	.05	.03	.02	.01	.01
10	.05	.03	.02	.01	.01	.01
0	.02	.01	.01	.01	.01	.01



HB80LED08-120M
 S/MH = 1.3
 SC = 1.3
 Lumens: 8871
 Input Watts: 83.85
 Efficacy: 105.8 lm/W
 Test Report: H095C

Candlepower

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	3046	3046	3046	3046	3046
5	3024	3034	3037	3045	3049
10	2988	3004	3015	3035	3038
15	2936	2956	2976	2995	2999
20	2860	2883	2911	2904	2874
25	2756	2791	2801	2723	2715
30	2631	2678	2598	2573	2562
35	2486	2541	2432	2411	2397
40	2301	2374	2256	2234	2220
45	2108	2114	2062	2038	2033
50	1879	1860	1849	1840	1842
55	1648	1622	1631	1634	1648
60	1386	1362	1407	1475	1516
65	1105	1098	1207	1360	1413
70	812	845	1044	1217	1103
75	525	611	831	123	122
80	260	421	79	84	84
85	63	32	166	352	387
90	0	2	2	1	0

Zonal Lumen Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2401	27.07	27.07
0-40	3936	44.37	44.37
0-60	6992	78.83	78.83
0-90	8871	100.00	100.00
40-90	4934	55.63	55.63
60-90	1878	21.17	21.17
90-180	0	.00	.00
0-180	8871	100.00	100.00

Coefficient of Utilization
 Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	0
70	.50	.30	.10	.05	.03	.02
50	.30	.10	.05	.03	.02	.01
30	.10	.05	.03	.02	.01	.01
10	.05	.03	.02	.01	.01	.01
0	.02	.01	.01	.01	.01	.01

