

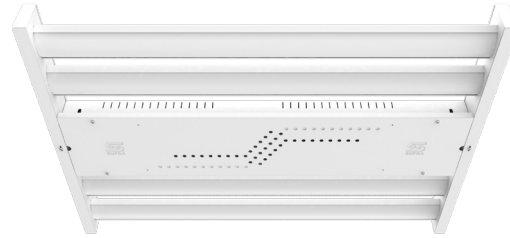
HB5
HIGH BAY LED
High Performance
LED Luminaire

 **SUPRA**
www.supralighting.com

HB5

DATASHEET
HIGH BAY LED

The HB5 High Bay LED light has a compact design that combines aesthetics with high performance. This luminaire is a single base platform offering a wide range of options to accommodate a variety of needs in basic and complex environments.



Applications

- Industrial
- Warehouses
- Gymnasiums
- Showrooms
- Shopping Center

Wireless Controls

Available wireless controls option includes the integrated SupraLink sensor programmable remotely through Bluetooth using the smartphone app.

Lighting Distribution

- Open Distribution (OD)
- Targeted Distribution (TD)

Diffuser

- Without Diffuser (WD)
- Frosted Diffuser (FD)
- Polymethyl Methacrylate (PMMA)

Warranty

5-year limited warranty, provided the specifications in the product installation manual have been followed. All other express and implied warranties are disclaimed.

Note: Actual performance may vary with end-user environment and application.





HB5

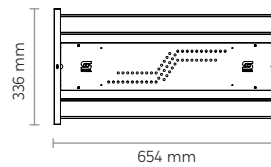
DATASHEET
HIGH BAY LED

Installation

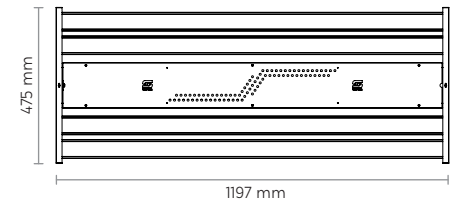
Suitable for suspension by chain, cable, surface-mounting bracket, hook monopoint, or single pendant monopoint. Surface mounting not recommended but 2" offset mounting can be accomplished with the surface mounting bracket. To maintain ambient lighting, fixture should be mounted at a minimum plenum height of 18".

Models

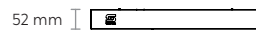
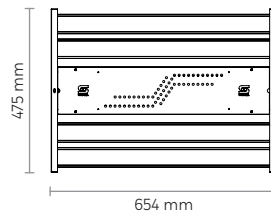
L12 and L15



L36, L48 and L60



L18, L24 and L30



HB5

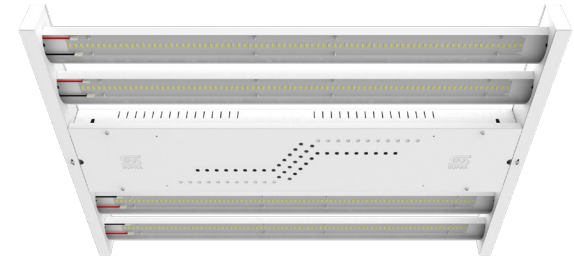
DATASHEET
HIGH BAY LED

Electrical Specifications

- Electrical Driver
- Operating Voltage: 120-277 V~
- Surge Protection: 6 KV
- Power Factor: >0.9
- Color Temperature: 4000, 5000 K
(for more CCT options contact your sales agent)
- Dimming Method: 0-10 V (DC)
- Dimming Range: 1-100%
- Operating Temperature:
-40°C to +55°C

Maintained Lumens

- L90(25°C) = 45,500 hrs
- L70(25°C) = 146,500 hrs
- L90(50°C) = 38,500 hrs
- L70(50°C) = 125,500 hrs



FAMILY	LUMEN CODE	ELECTRIC @120V				ELECTRIC @277V			
		VOLTAGE	PF	THD	NOMINAL WATT	VOLTAGE	PF	THD	NOMINAL WATT
HB5	L60	120 V	0.98	11%	383	277 V	0.97	15%	379
HB5	L48	120 V	0.98	12%	298	277 V	0.94	18%	295
HB5	L36	120 V	0.98	10%	212	277 V	0.97	15%	210
HB5	L30	120 V	0.98	11%	192	277 V	0.97	15%	190
HB5	L24	120 V	0.98	12%	149	277 V	0.94	18%	147
HB5	L18	120 V	0.98	10%	105	277 V	0.97	15%	103
HB5	L15	120 V	0.98	11%	96	277 V	0.97	15%	95
HB5	L12	120 V	0.98	12%	75	277 V	0.94	18%	74



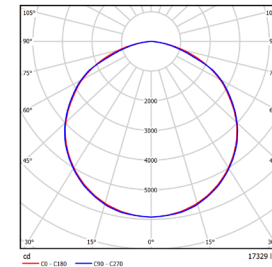
HB5

DATASHEET
HIGH BAY LED

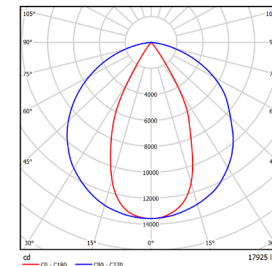
Luminous Flux vs Ambient Temperature

The final luminous flux depends on the ambient temperature where the luminaire is placed. Multiply the factor by the luminous flux of the selected model to make the correction.

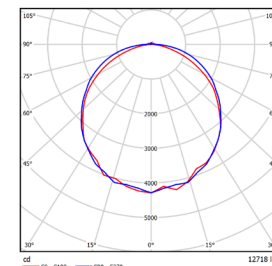
TEMPERATURE	CORRECTION FACTOR
25 °C	1
30 °C	0.98
35 °C	0.97
40 °C	0.97
45 °C	0.96
50 °C	0.95
55 °C	0.95
60 °C	0.94



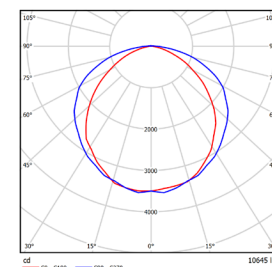
Open layout
without cover
(without diffuser)



Targeted
distribution
without cover
(without diffuser)



Open distribution
with frosted cover
(frosted diffuser)



Open distribution
with polymethyl
methacrylate
(PMMA)

HB5

Performance Information

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FAMILY	LUMEN CODE	DIFFUSER	CRI	CCT	LUMINOUS FLUX	VOLTAGE	WATTAGE	EFFICACY
HB5	L60	WD	≥80	5000 K	69,315 lm	277 V	379 W	183 lm/W
HB5	L48	WD	≥80	5000 K	55,299 lm	277 V	295 W	187 lm/W
HB5	L36	WD	≥80	5000 K	40,402 lm	277 V	210 W	193 lm/W
HB5	L30	WD	≥80	5000 K	34,659 lm	277 V	190 W	183 lm/W
HB5	L24	WD	≥80	5000 K	27,649 lm	277 V	147 W	188 lm/W
HB5	L18	WD	≥80	5000 K	20,201 lm	277 V	103 W	195 lm/W
HB5	L15	WD	≥80	5000 K	17,329 lm	277 V	95 W	183 lm/W
HB5	L12	WD	≥80	5000 K	13,825 lm	277 V	74 W	187 lm/W
HB5	L60	FD	≥80	5000 K	63,770 lm	277 V	379 W	168 lm/W
HB5	L48	FD	≥80	5000 K	50,875 lm	277 V	295 W	172 lm/W
HB5	L36	FD	≥80	5000 K	37,170 lm	277 V	210 W	177 lm/W
HB5	L30	FD	≥80	5000 K	31,886 lm	277 V	190 W	168 lm/W
HB5	L24	FD	≥80	5000 K	25,437 lm	277 V	147 W	173 lm/W
HB5	L18	FD	≥80	5000 K	18,585 lm	277 V	103 W	180 lm/W
HB5	L15	FD	≥80	5000 K	15,943 lm	277 V	95 W	168 lm/W
HB5	L12	FD	≥80	5000 K	12,719 lm	277 V	74 W	172 lm/W
HB5	L60	PMMA	≥80	5000 K	53,373 lm	277 V	379 W	141 lm/W
HB5	L48	PMMA	≥80	5000 K	42,580 lm	277 V	295 W	144 lm/W
HB5	L36	PMMA	≥80	5000 K	31,110 lm	277 V	210 W	148 lm/W
HB5	L30	PMMA	≥80	5000 K	26,687 lm	277 V	190 W	141 lm/W
HB5	L24	PMMA	≥80	5000 K	21,290 lm	277 V	147 W	145 lm/W
HB5	L18	PMMA	≥80	5000 K	15,555 lm	277 V	103 W	150 lm/W
HB5	L15	PMMA	≥80	5000 K	13,343 lm	277 V	95 W	141 lm/W
HB5	L12	PMMA	≥80	5000 K	10,645 lm	277 V	74 W	144 lm/W

*Values measured with (DA) open distribution

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HB5	L60	WD	≥80	4000 K	69,315 lm	277 V	379 W	183 lm/W
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HB5	L12	WD	≥80	4000 K	13,825 lm	277 V	74 W	187 lm/W
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HB5	L36	FD	≥80	4000 K	37,170 lm	277 V	210 W	177 lm/W
HB5	L30	FD	≥80	4000 K	31,886 lm	277 V	190 W	168 lm/W
HB5	L24	FD	≥80	4000 K	25,437 lm	277 V	147 W	173 lm/W
HB5	L18	FD	≥80	4000 K	18,585 lm	277 V	103 W	180 lm/W
HB5	L15	FD	≥80	4000 K	15,943 lm	277 V	95 W	168 lm/W
HB5	L12	FD	≥80	4000 K	12,719 lm	277 V	74 W	172 lm/W
HB5	L60	PMMA	≥80	4000 K	53,373 lm	277 V	379 W	141 lm/W
HB5	L48	PMMA	≥80	4000 K	42,580 lm	277 V	295 W	144 lm/W
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HB5	L30	PMMA	≥80	4000 K	26,687 lm	277 V	190 W	141 lm/W
HB5	L24	PMMA	≥80	4000 K	21,290 lm	277 V	147 W	145 lm/W
HB5	L18	PMMA	≥80	4000 K	15,555 lm	277 V	103 W	150 lm/W
HB5	L15	PMMA	≥80	4000 K	13,343 lm	277 V	95 W	141 lm/W
HB5	L12	PMMA	≥80	4000 K	10,645 lm	277 V	74 W	144 lm/W

Ordering Information

Example Order:

① ② ③ ④ ⑤ ⑥ ⑦
HB5-L60-OD-WD-850-MV-SL

Code:

① Family

HB5

② Lumen Code

L60: $\geq 60,000$ lm
L48: $\geq 48,000$ lm
L36: $\geq 36,000$ lm
L30: $\geq 30,000$ lm
L24: $\geq 24,000$ lm
L18: $\geq 18,000$ lm
L15: $\geq 15,000$ lm
L12: $\geq 12,000$ lm

③ Light Distribution

OD: Open distribution
TD: Target distribution

④ Diffuser

WD: Without Diffuser
FD: Frosted Diffuser
PMMA: Polymethyl Methacrylate

⑤ Color Code

850: CRI: 80 and CCT: 5000 K
840: CRI: 80 and CCT: 4000 K

⑥ Voltage

MV: 120 - 277 V~

⑦ Accessories

ED: Emergency Driver
SL: SupraLink
IS: Intelligent Sensor
WMS: Wide Motion Sensor
NMS: Narrow Motion Sensor

L12 and L15 with target distribution



L18, L24 and L30 with frosted diffuser



L36, L48 and L60 with polymethyl methacrylate diffuser



Contact

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