



TECHNICAL DATA SHEET

HBL-G6 by SUPRA is a high-mount LED light fixture designed to enhance illumination levels in work areas. It serves as a replacement for fluorescent or metal halide lamps, significantly improving electrical consumption efficiency.

- Innovative, compact, lightweight design that is easy to install. Adaptable for surface mounting or suspension.
- Electronic driver that stabilizes the voltage, extending the life of the LEDs.
- Highly resistant cabinet made of top-quality steel sheet, coated with high-reflectivity white powder paint that protects against oxidation and deterioration. Electrowelded joints for a long lifespan.
- Certifications and compliances:



SUGGESTED USE

Industry
Warehouse
Convenience stores
Exhibition areas
Shopping centers



Benefits of our LED lighting



Improves lighting levels



Long lifespan



Minimum maintenance



More true-to-life colors



Significant savings on fixed costs



Lower consumption kW/h

Maximize your savings with

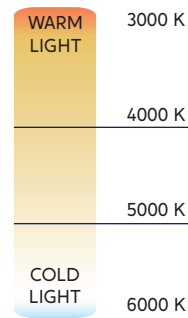


Our lighting control and management system.

The HBL-G6 by SUPRA has a high color rendering index (CRI) for faithful color reproduction and is available in two color temperature (K) options:

4000K Neutral White provides a natural brightness ideal for common areas and medium-detail work areas.

5000K Cool White provides a bright daylight ambiance ideal for medium-to-high detail work areas.



Electrical Characteristics

- Electronic Driver
- Operating Voltage: 120 - 277 V~
- Surge Suppressor: 6kV
- Power Factor: > 0.95
- Dimming Method: 0-10 V
- Dimming Range: 10-100%
- Operating Temperature: -30°C to 55°C
- Average Life: 80,000 hours

Maintained Lumens

High-quality LEDs offer greater energy savings over time because LED degradation is minimal, and they comply with **IES-LM-79-08**.

- L80-15: 100,000 hrs
- TM21-11: 100,000 hrs

Luminous Flux vs. Ambient Temperature

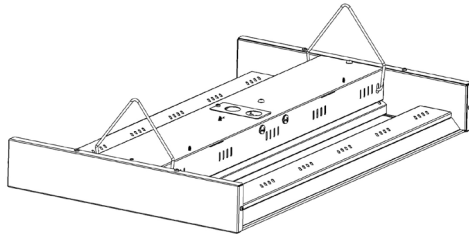
The final luminous flux depends on the ambient temperature. Multiply the factor by the luminous flux output of the selected model to make the correction.

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

FAMILY	LUMEN CODE	ELECTRIC @120V				ELECTRIC @277V			
		VOLTAGE	PF	THD	NOMINAL WATT	VOLTAGE	PF	THD	NOMINAL WATT
HBL-G6	L14	120 V	0.99	4%	80	277 V	0.97	9%	79
HBL-G6	L17	120 V	0.99	6%	100	277 V	0.97	7%	98
HBL-G6	L23	120 V	0.99	4%	140	277 V	0.97	8%	137
HBL-G6	L28	120 V	0.99	6%	160	277 V	0.97	9%	154
HBL-G6	L31	120 V	0.99	4%	180	277 V	0.97	10%	173
HBL-G6	L34	120 V	0.99	4%	200	277 V	0.97	9%	193
HBL-G6	L40	120 V	0.99	4%	240	277 V	0.97	10%	236
HBL-G6	L43	120 V	0.99	4%	260	277 V	0.97	9%	254

Installation

Suitable for hanging by chain, cable, surface mount, single hook point, single hanging point or 3/4 inch conduit.

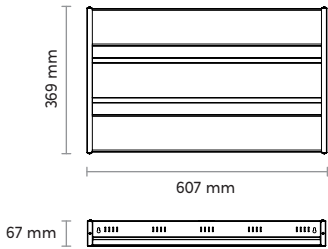


Installation Manual



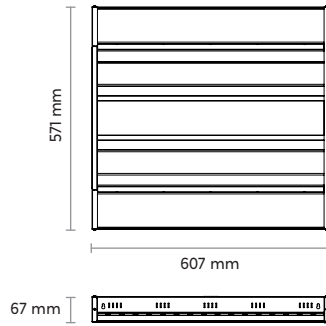
Dimensions

MODELS: L14, L17, L23



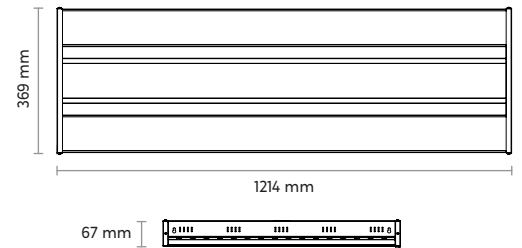
WEIGHT: 7 kg

MODELS: L28, L31, L34, L40, L43



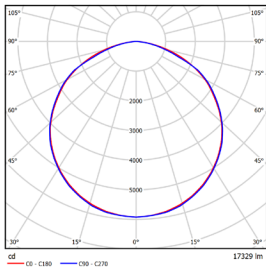
WEIGHT: 9 kg

MODELS: L28, L31, L34, L40, L43

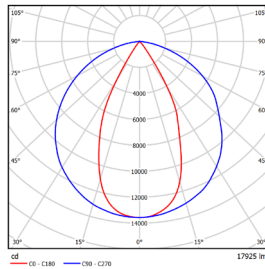


WEIGHT: 10 kg

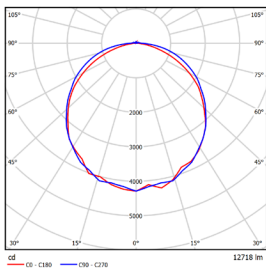
LIGHT DISTRIBUTION OPTIONS



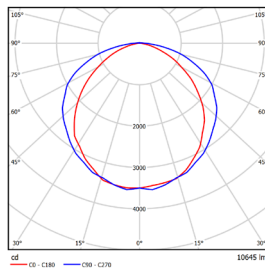
Coverless Open Distribution (DA-SD)



Coverless Directed Distribution (DD-SD)



Open layout with matte cover (DA-DO)



Directed distribution with opaline cover (DD-DO)



Improve the Efficiency of your Manage and control your lighting



SupraLink

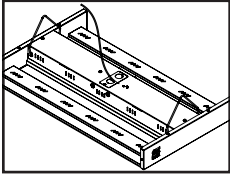
70% SAVINGS
on energy

- ✓ Accredited for ISO 50001
- ✓ Reduce your carbon footprint
- ✓ Extend the life of your luminaires

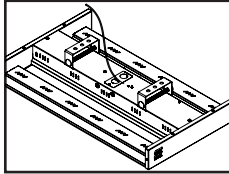


ACCESSORIES AND OPTIONS

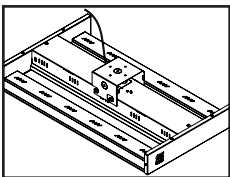
Mounting



Suspended with cable (AC) or chain (DC)

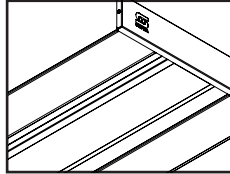


Surface-mounted on ceiling (SP)

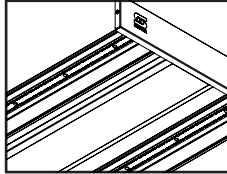


Conduit box (CB)

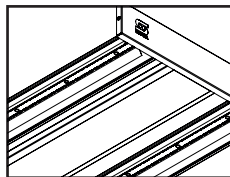
Diffuser



Opal diffuser (DO)



No diffuser (ND) Open distribution (OD)



No diffuser (ND) Directed distribution (DD)

Sensors



Motion sensor (MS)



SupraLink (SLHB)

Driver



Emergency driver (ED)

TECHNICAL DATA SHEET

Open Distribution (OD) No Diffuser (ND) 4000 K and 5000 K (840 and 850)

FAMILY	MODEL	LUMEN CODE	CRI	LUMINOUS FLUX	VOLTAGE	WATTS	EFFICACY
HBL-G6	M1	L14	>80	14,485 lm	277 V	80 W	181 lm/W
HBL-G6	M1	L17	>80	17,511 lm	277 V	100 W	175 lm/W
HBL-G6	M1	L23	>80	23,132 lm	277 V	140 W	165 lm/W
HBL-G6	M2	L28	>80	28,875 lm	277 V	160 W	180 lm/W
HBL-G6	M2	L31	>80	31,973 lm	277 V	180 W	178 lm/W
HBL-G6	M2	L34	>80	34,844 lm	277 V	200 W	174 lm/W
HBL-G6	M2	L40	>80	40,813 lm	277 V	240 W	170 lm/W
HBL-G6	M2	L43	>80	43,558 lm	277 V	260 W	168 lm/W
HBL-G6	M4	L28	>80	28,875 lm	277 V	160 W	180 lm/W
HBL-G6	M4	L31	>80	31,973 lm	277 V	180 W	178 lm/W
HBL-G6	M4	L34	>80	34,844 lm	277 V	200 W	174 lm/W
HBL-G6	M4	L40	>80	40,813 lm	277 V	240 W	170 lm/W
HBL-G6	M4	L43	>80	43,558 lm	277 V	260 W	168 lm/W

Open Distribution (OD) Opal Diffuser (OD) 4000 K and 5000 K (840 and 850)

FAMILY	MODEL	LUMEN CODE	CRI	LUMINOUS FLUX	VOLTAGE	WATTS	EFFICACY
HBL-G6	M1	L14	>80	12,312 lm	277 V	80 W	154 lm/W
HBL-G6	M1	L17	>80	14,885 lm	277 V	100 W	149 lm/W
HBL-G6	M1	L23	>80	19,663 lm	277 V	140 W	140 lm/W
HBL-G6	M2	L28	>80	24,544 lm	277 V	160 W	153 lm/W
HBL-G6	M2	L31	>80	27,177 lm	277 V	180 W	151 lm/W
HBL-G6	M2	L34	>80	29,618 lm	277 V	200 W	148 lm/W
HBL-G6	M2	L40	>80	34,691 lm	277 V	240 W	145 lm/W
HBL-G6	M2	L43	>80	37,024 lm	277 V	260 W	142 lm/W
HBL-G6	M4	L28	>80	24,544 lm	277 V	160 W	153 lm/W
HBL-G6	M4	L31	>80	27,177 lm	277 V	180 W	151 lm/W
HBL-G6	M4	L34	>80	29,618 lm	277 V	200 W	148 lm/W
HBL-G6	M4	L40	>80	34,691 lm	277 V	240 W	145 lm/W
HBL-G6	M4	L43	>80	37,024 lm	277 V	260 W	142 lm/W

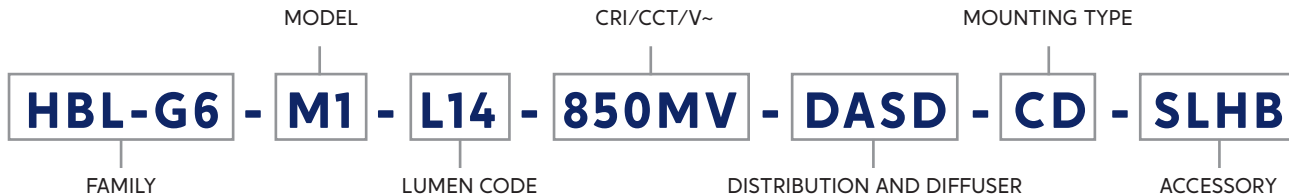
TECHNICAL DATA SHEET

Directed Distribution (DD) No Diffuser (ND) 4000 K and 5000 K (840 and 850)							
FAMILY	MODEL	LUMEN CODE	CRI	LUMINOUS FLUX	VOLTAGE	WATTS	EFFICACY
HBL-G6	M1	L14	>80	13,761 lm	277 V	80 W	172 lm/W
HBL-G6	M1	L17	>80	16,636 lm	277 V	100 W	166 lm/W
HBL-G6	M1	L23	>80	21,976 lm	277 V	140 W	157 lm/W
HBL-G6	M2	L28	>80	27,431 lm	277 V	160 W	171 lm/W
HBL-G6	M2	L31	>80	30,374 lm	277 V	180 W	169 lm/W
HBL-G6	M2	L34	>80	33,102 lm	277 V	200 W	166 lm/W
HBL-G6	M2	L40	>80	38,772 lm	277 V	240 W	162 lm/W
HBL-G6	M2	L43	>80	41,380 lm	277 V	260 W	159 lm/W
HBL-G6	M4	L28	>80	27,431 lm	277 V	160 W	171 lm/W
HBL-G6	M4	L31	>80	30,374 lm	277 V	180 W	169 lm/W
HBL-G6	M4	L34	>80	33,102 lm	277 V	200 W	166 lm/W
HBL-G6	M4	L40	>80	38,772 lm	277 V	240 W	162 lm/W
HBL-G6	M4	L43	>80	41,380 lm	277 V	260 W	159 lm/W

Directed Distribution (DD) Opal Diffuser (DO) 4000 K and 5000 K (840 and 850)							
FAMILY	MODEL	LUMEN CODE	CRI	LUMINOUS FLUX	VOLTAGE	WATTS	EFFICACY
HBL-G6	M1	L14	>80	11,697 lm	277 V	80 W	146 lm/W
HBL-G6	M1	L17	>80	14,140 lm	277 V	100 W	141 lm/W
HBL-G6	M1	L23	>80	18,679 lm	277 V	140 W	133 lm/W
HBL-G6	M2	L28	>80	23,316 lm	277 V	160 W	146 lm/W
HBL-G6	M2	L31	>80	25,818 lm	277 V	180 W	143 lm/W
HBL-G6	M2	L34	>80	28,137 lm	277 V	200 W	141 lm/W
HBL-G6	M2	L40	>80	32,956 lm	277 V	240 W	137 lm/W
HBL-G6	M2	L43	>80	35,173 lm	277 V	260 W	135 lm/W
HBL-G6	M4	L28	>80	23,316 lm	277 V	160 W	146 lm/W
HBL-G6	M4	L31	>80	25,818 lm	277 V	180 W	143 lm/W
HBL-G6	M4	L34	>80	28,137 lm	277 V	200 W	141 lm/W
HBL-G6	M4	L40	>80	32,956 lm	277 V	240 W	137 lm/W
HBL-G6	M4	L43	>80	35,173 lm	277 V	260 W	135 lm/W

TO ORDER THE SERIES:

Example order:



Series to order:

HBL-G6

FAMILY	MODEL	LUMEN CODE	CRI / CCT / V~	DISTRIBUTION AND DIFFUSER	MOUNTING TYPE
HBL-G6: HighBay LED	M1: 369x607 mm	L14: ≥14,000 lm L17: ≥17,000 lm L23: ≥23,000 lm	850: 80 CRI / 5000 K 840: 80 CRI / 4000 K MV: 120-277 V~	DA: Open Distribution (120°) DD: Directed Distribution SD: No Diffuser DO: Opal Diffuser	CD: Chain CA: Steel Cable CC: Conduit Box SP: Surface Mounted
	M2: 571x607 mm M4: 369x1214 mm	L28: ≥28,000 lm L31: ≥31,000 lm L34: ≥34,000 lm L40: ≥40,000 lm L43: ≥43,000 lm			
	Note: Other products may have different sizes than those of these M1, M2, M4			Note: The Opal Diffuser (DO) can only be combined with Open Distribution (DA).	

ACCESSORIES

DE: Emergency Driver
SLHB: High-mount SupraLink
SSDLMHB: Presence Sensor

Note: This field is optional. Accessories are not compatible with each other; you can only choose one.



SUPRA guarantees the quality of this product for 10 years against internal functionality failures as long as our established warranty policies are met. This warranty applies to all our direct customers. For more information, please visit our website www.supradesarrollos.com/garantía

500 W 2nd St. Floor 19
Austin, TX 78701

The images as well as the information contained in this document may undergo changes. Please consult your SUPRA Advisor before placing your order.

Rev02: 05/2023