

LINE OF EXTREME EFFICIENCY

# XOLUTION

BY  SUPRA



[www.supralighting.com](http://www.supralighting.com)



LINE OF EXTREME EFFICIENCY  
**XOLUTION**

## TECHNICAL DATA SHEET

**HBX-G6** by SUPRA, is an industrial LED luminaire from our XOLUTION high-efficiency line. It improves illumination levels in work areas, with the highest performance on the market, offering over 200 lm/W. It delivers unsurpassed ROI and reduces fixed costs starting from its installation.

- Innovative, compact, lightweight, and easy-to-install design. Adaptable for surface mounting or suspension.
- Electronic driver that stabilizes voltage and extends the life of the LEDs.
- High-strength cabinet made of premium quality steel sheet, coated with high-reflectivity white powder paint that protects against oxidation and deterioration. Welded joints ensure a long service life.
- Certifications and compliance:



## SUGGESTED USE

- Industry
- Warehouse
- Convenience stores
- Exhibition areas
- Shopping malls



### Benefits of our LED lighting



Improves lighting levels



Long lifespan



Minimal maintenance



More realistic colors



Significant savings on fixed costs



Lower kW/h consumption

### Maximize your savings with

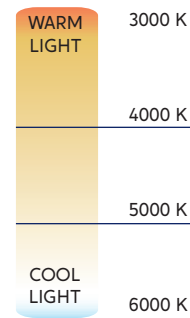


Our lighting control and management system.

HBX-G6 by SUPRA features a high Color Rendering Index (CRI) to reproduce colors accurately and is available in two color temperature (K) options:

**4000K Neutral White** provides a natural brightness ideal for common areas and workspaces requiring medium detail.

**5000K Cool White** provides a bright daylight-like environment ideal for workspaces requiring medium to high detail.



## 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 lifespan: 80,000 hours

## Maintained Lumens

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

- L90(85°C): 52,600 hrs
- L70(85°C): >102,000 hrs
- L90(115°C): 38,700 hrs
- L70(115°C): 99,900 hrs

## Luminous Flux vs Ambient Temperature

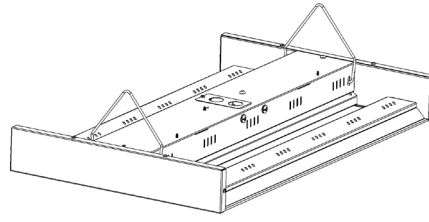
The final luminous flux depends on the ambient temperature. Multiply the factor by the output luminous flux of the selected model to apply the correction.

| 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 | ELECTRICAL @120V |              |     |                 | ELECTRICAL @277V |              |     |                 |
|--------|------------|------------------|--------------|-----|-----------------|------------------|--------------|-----|-----------------|
|        |            | VOLTAGE          | POWER FACTOR | THD | NOMINAL WATTAGE | VOLTAGE          | POWER FACTOR | THD | NOMINAL WATTAGE |
| HBX-G6 | L16        | 120 V            | 0.99         | 4%  | 80              | 277 V            | 0.97         | 9%  | 80              |
| HBX-G6 | L20        | 120 V            | 0.99         | 6%  | 100             | 277 V            | 0.98         | 7%  | 100             |
| HBX-G6 | L27        | 120 V            | 0.99         | 4%  | 140             | 277 V            | 0.96         | 8%  | 139             |
| HBX-G6 | L32        | 120 V            | 0.99         | 6%  | 160             | 277 V            | 0.97         | 9%  | 158             |
| HBX-G6 | L36        | 120 V            | 0.99         | 4%  | 180             | 277 V            | 0.98         | 10% | 179             |
| HBX-G6 | L40        | 120 V            | 0.99         | 4%  | 200             | 277 V            | 0.99         | 9%  | 199             |
| HBX-G6 | L47        | 120 V            | 0.99         | 4%  | 240             | 277 V            | 0.98         | 10% | 239             |
| HBX-G6 | L51        | 120 V            | 0.99         | 4%  | 260             | 277 V            | 0.99         | 9%  | 258             |

## Installation

Suitable for suspension by chain, cable, surface mounting, single hook point, individual hanging point, or 3/4-inch conduit.

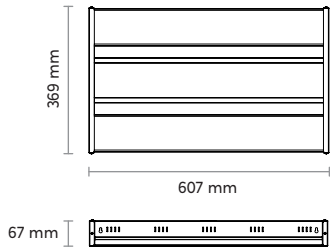


## Installation Manual



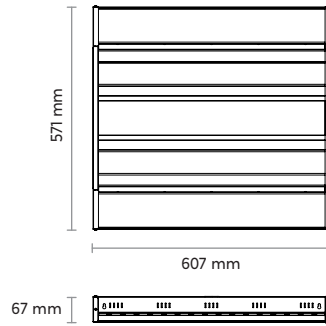
## Dimensions

MODELS: L16, L20, L27



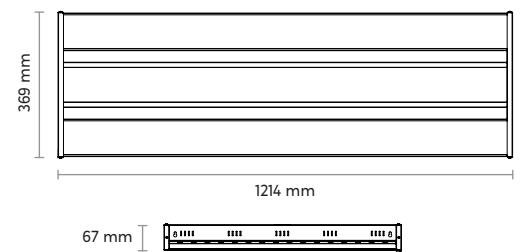
WEIGHT: 7 kg

MODELS: L32, L36, L40, L47, L51



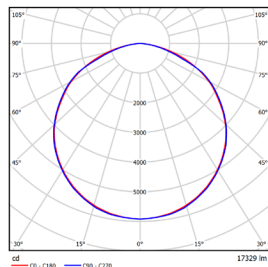
WEIGHT: 9 kg

MODELS: L32, L36, L40, L47, L51

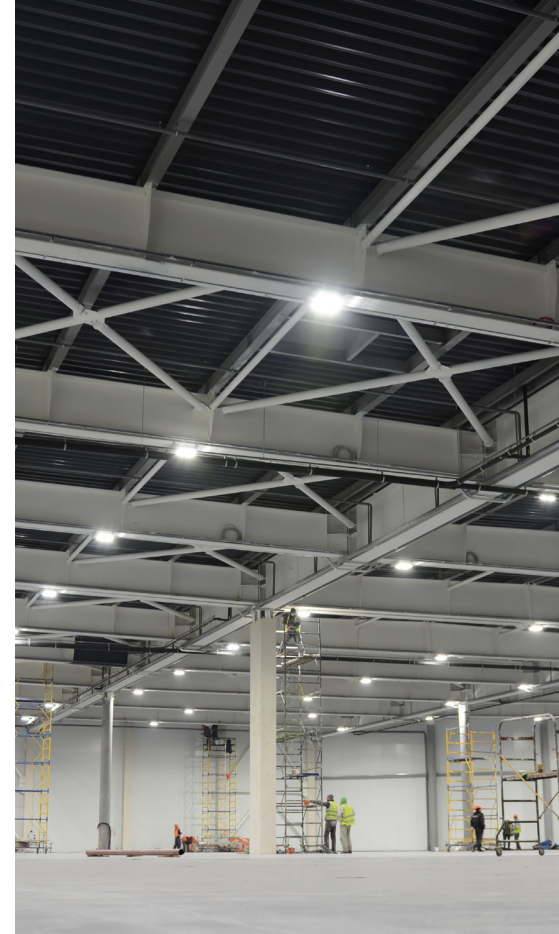


WEIGHT: 10 kg

## OPTIONS FOR LIGHT DISTRIBUTION



Open distribution without cover (DA-SD)



# Improve the Efficiency of your Manage and control your lighting



SupraLink

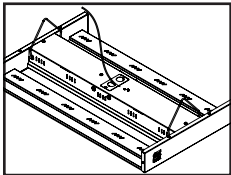
**70% SAVINGS**  
in electrical energy

- ✓ Complies with ISO 50001
- ✓ Reduces your carbon footprint
- ✓ Extends the lifespan of your luminaires

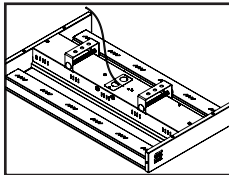


## ACCESSORIES AND OPTIONS

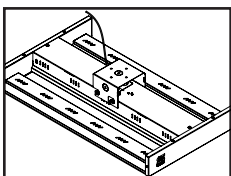
### Mounting



Suspended with cable (CA) or chain (CD)

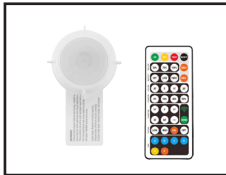


Surface-mounted on ceiling (SP)



Conduit Box (CC)

### Sensors



Presence sensor (SSDL MHB)



SupraLink (SLHB)

### Driver



Emergency driver (DE)

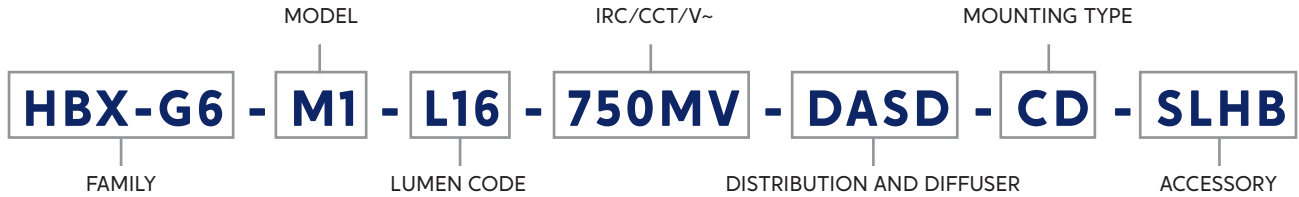
# TECHNICAL DATA SHEET

## Open Distribution (DA) Without Diffuser (SD) 4000 K and 5000 K (740 and 750)

| FAMILY | MODEL | LUMEN CODE | CRI | LUMINOUS FLUX | VOLTAGE | WATTS | EFFICACY |
|--------|-------|------------|-----|---------------|---------|-------|----------|
| HBX-G6 | M1    | L16        | >70 | 16,847 lm     | 277 V   | 80 W  | 212 lm/W |
| HBX-G6 | M1    | L20        | >70 | 20,514 lm     | 277 V   | 100 W | 206 lm/W |
| HBX-G6 | M1    | L27        | >70 | 27,900 lm     | 277 V   | 139 W | 201 lm/W |
| HBX-G6 | M2    | L32        | >70 | 32,800 lm     | 277 V   | 158 W | 208 lm/W |
| HBX-G6 | M2    | L36        | >70 | 36,593 lm     | 277 V   | 179 W | 204 lm/W |
| HBX-G6 | M2    | L40        | >70 | 40,357 lm     | 277 V   | 199 W | 203 lm/W |
| HBX-G6 | M2    | L47        | >70 | 47,388 lm     | 277 V   | 239 W | 198 lm/W |
| HBX-G6 | M2    | L51        | >70 | 51,054 lm     | 277 V   | 258 W | 198 lm/W |
| HBX-G6 | M4    | L32        | >70 | 32,800 lm     | 277 V   | 158 W | 208 lm/W |
| HBX-G6 | M4    | L36        | >70 | 36,593 lm     | 277 V   | 179 W | 204 lm/W |
| HBX-G6 | M4    | L40        | >70 | 40,357 lm     | 277 V   | 199 W | 203 lm/W |
| HBX-G6 | M4    | L47        | >70 | 47,388 lm     | 277 V   | 239 W | 198 lm/W |
| HBX-G6 | M4    | L51        | >70 | 51,054 lm     | 277 V   | 258 W | 198 lm/W |

# HOW TO ORDER THE SERIES

## Example Order:



## Series to Order:

### HBX-G6

| FAMILY                          | MODEL  | LUMEN CODE   | IRC / CCT / V~  | DISTRIBUTION AND DIFFUSER  | MOUNTING TYPE  |
|---------------------------------|--|--|---|--|--|
| <b>HBX-G6:</b> HighBay XOLUTION | <b>M1:</b> 369x607 mm  | <b>L16:</b> ≥16,000 lm<br><b>L20:</b> ≥20,000 lm<br><b>L27:</b> ≥27,000 lm   | <b>750:</b> 70 IRC / 5000 K<br><b>740:</b> 70 IRC / 4000 K<br><b>MV:</b> 120-277 V~ | <b>DA:</b> Open distribution (120°)<br><b>SD:</b> Without diffuser | <b>CD:</b> Chain<br><b>CA:</b> Steel Cable<br><b>CC:</b> Conduit Box<br><b>SP:</b> Surface-mounted |
|                                 | <b>M2:</b> 571x607 mm<br><b>M4:</b> 369x1214 mm                              | <b>L32:</b> ≥32,000 lm<br><b>L36:</b> ≥36,000 lm<br><b>L40:</b> ≥40,000 lm<br><b>L47:</b> ≥47,000 lm<br><b>L51:</b> ≥51,000 lm |   |  |  |
|                                 | <b>Note:</b> Other products may have a size different from these M1, M2, M4. |  |   |  |  |

### ACCESSORIES

**DE:** Emergency Driver  
**SLHB:** High-Mount SupraLink  
**SSDLMHB:** Presence Sensor

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

# XOLUTION



SUPRA guarantees the quality of this product for 10 years against internal functionality failures, as long as our established warranty policies are followed. This warranty applies to all our direct customers. For more information, visit our website: <https://supralighting.com/resources/terms#>

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The images and the information contained in this document may change. Please consult your SUPRA Advisor before placing your order.

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