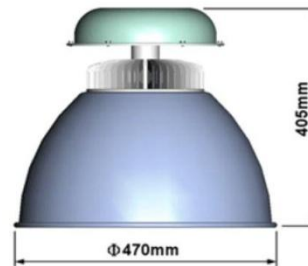


Power LED Highbay Light

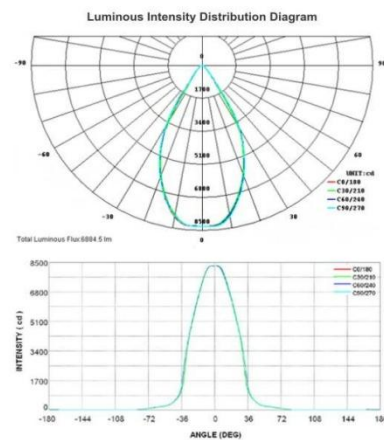


IPL-HB-110



Specifications

| | |
|---------------------------|---|
| Type | IPL-110CW |
| CCT | 6000K |
| Typical Power Consumption | 110W |
| Luminous Flux (lm) | 7100lm |
| Input Voltage | 100-277V AC |
| Operation Temp. Range | -20°C ~ + 40°C |
| Typical Luminous Efficacy | 65lm/W |
| CRI | > 75 |
| Beam Angle | 30°/60° |
| Warranty | 2 Years |
| Applications | Indoor Lighting / Sports Management / Shopping Center / Factory / Warehouse / Supermarket / Station / Public Place Lighting |
| Outline Dim. | Φ 470 x 405mm |
| Net. Weight | 4.0 KG |

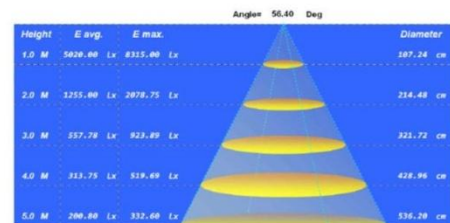


The LED Lamp Advantage:

- **More energy-efficient than halogen** : LED lamps, very efficacious in converting power into light, may achieve over 70% of power saving as compared with traditional halogen lamps.
- **Long Lifespan** : The averaged lifespan of LED lamps is at least 10 times that of halogen lamps, eliminating the need for frequent replacements.
- **Healthy Light** : Except particular applications such as tanning booths, mosquito killers and so on, LED lamps for general lighting emit neither ultraviolet (UV) nor infrared (IR) that may harm health.
- **Environment Friendly** : LED lamps do not contain mercury, sodium, and other hazardous chemical elements, possibly necessary for certain traditional light sources and unfriendly to the ecological environment.
- **Low Power Consumption** : Under the condition of the same output light, LED lamps consume less input power than traditional lamps, reimbursing you by reducing power bill.
- **No Perceptible Flickering** : Traditional lamps driven by an AC current with a relatively low frequency may produce perceptible flickering that may lead to eye discomfort or injury while LED lamps driven by a DC current with a relatively high frequency will not.
- **High Luminous Efficacy** : The increasingly high luminous efficacy (lm/W) of LED lamps provides more light output (lm) with less power input (W), turning LED lamps into the mainstream in the lighting industry.

Features

- Indoor use
- Power factor > 0.95 at 115V AC ; Power factor > 0.9 at 230V AC
- High power efficiency > 85%
- High luminous efficacy LEDs
- No UV or IR radiation
- Cool light can reduce the rise of the ambient temperature
- Energy saving and environment friendly



Specifications are subject to design changes



- ✦ G1 Energy LED High bay lights are designed to provide consistent photometric performance for years together.
- ✦ The energy efficient **G1 Energy** LED high bay lights provide high lumen output thereby enhancing the working conditions.
- ✦ The manufacture of driver using special techniques ensures flawless performance for its entire life.

Features

- ✦ Highly effective thermal management using heat pipes.
- ✦ Galvanic isolation protects the lamp against power surges and voltage fluctuations.
- ✦ Sustains 440 V for 30 sec and surges of 4 KV.
- ✦ Very low lumen depreciation with time even in hot working conditions.

Technical Specifications

Input

| | |
|----------------------------|------------------|
| Voltage Continuous (Volts) | 170-280V |
| Voltage Short time (Volts) | 440 V for 30 Sec |
| Frequency | 47-53 Hz |
| PF | >0.95 |
| THD | <15% |

LED

| | |
|-------------------|-----------|
| Make | OSRAM |
| Luminous Efficacy | >130 Lm/W |

Driver

| | |
|----------------|-------------------------|
| Characteristic | Constant Current, tuned |
| | Galvanically Isolated |
| | Short Circuit Proof |

Estimated life (Hours)

| | |
|--------|---------|
| LEDs | >50,000 |
| Driver | >50,000 |

Output

| | |
|------------|---------------|
| Color Temp | 6000 - 6500 k |
| CRI | >0.75 |

Protection

| | |
|----------------------------------|---------------------|
| Overvoltage due to system faults | Sustains for 30 sec |
| Surge up to 4 kV on Input line | No Effect |

Climatic Conditions

| | |
|----------------|-----------------|
| Storage temp | -10 to 55 Deg C |
| Operating Temp | -10 to 50 Deg C |
| Humidity | 0.95 |

| G1 Model | System Power(W) | Conventional Lamp | System Power(W) | Savings (W) |
|-----------|-----------------|-----------------------|-----------------|-------------|
| 45W HBM1 | 45 | 70W MH | 85 | 40 |
| 70W HBM2 | 70 | 125W MV 150W SV/MH | 150 175 | 80 105 |
| 100W HBM2 | 100 | 250W SV/MH | 285 | 185 |
| 120W HBM2 | 120 | 250W SV/MH | 285 | 165 |
| 200W HBM3 | 200 | 400W SV/MH | 450 | 250 |
| 240W HBM3 | 240 | 400W SV/MH | 450 | 210 |

| Type | L | W | H |
|------|-----|-----|-----|
| HBM1 | 350 | 280 | 275 |
| HBM2 | 475 | 280 | 275 |
| HBM3 | 475 | 575 | 275 |