



LHB05-T-Series

Design For Padel Court

Better Uniformity /Low Glare /Fewer Luminaires



Light Pollution Control

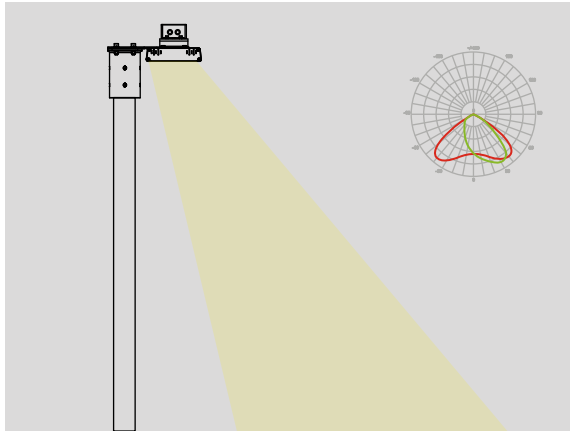
Your neighbors never look like useless glares in or around their homes. The night sky will be beautiful, with twinkling stars and no spilled light. With special visor and optical lens design. The Goldenlux LHB05 is the one that makes it all happen.



Loosen the screws to adjust the angle of the visor.

Professional Asymmetric light distribution

Designed specifically for padel courts, the unique 110x60° lens is suitable for small padel courts. There are 4 light poles in a venue. Each light pole only needs one light to meet the lighting needs and save energy and reduce costs.



IP65 water-proof

- *IP65 waterproof, great waterproof protection
- *Tooling thickness waterproof rubber
- *Easy to install



SPECIFICATIONS TABLE

| GENERAL INFORMATION | |
|----------------------------------|---|
| Driver included | Yes |
| CE mark | Yes |
| RoHS compliant | Yes |
| Safety features | Open circuit protection Short circuit protection Overvoltage protection |
| Testing standard | LM-79-19 (all measurements in ISO17025 accredited laboratory) |
| HOUSING AND FINISH | |
| Housing | Aluminium |
| Optic | Polycarbonate |
| Protector | Polycarbonate (with integrated lenses) |
| Housing finish | Electrostatic polyester powder coating |
| Standard colour(s) | RAL 9017 black |
| OPERATING CONDITIONS | |
| Operating Temperature Range (Ta) | -30°C to + 45°C |
| Operating Humidity | 10-90%RH |
| Mounting Option | Pole mounting |
| Warranty | 5 years |
| PERFORMANCE | |
| Power | 100W/120W/150W/200W/ 240W/300W |
| Efficacy | 170lm/W |
| Power Efficiency | ≥90% |
| Start Time | ≤0.2S |
| Warm-up time to 60% | 0.5S |

| ELECTRICAL INFORMATION | |
|-------------------------------------|--|
| Electrical Class | Class I EU |
| Nominal Voltage | 120-277V 50/60Hz |
| Power factor (at full load) | 0.9 |
| Surge Protection Options (KV) | 6KV-Line-Line 6KV-Line-Earth |
| Electromagnetic Compatibility (EMC) | EN 55015:2019/A11:2020, EN 61000-3-2:2019, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015 |
| Total Harmonic Distortion(THD) | IEC 61000-3-2 Class C <20% |
| Driver Type | Constant current(CC) |
| Withstand Voltage | 1.5KV 60S 10mA |
| OPTICAL INFORMATION | |
| LED Type | SMD5050 |
| Beam Angle | 110x60° |
| Recommended installation height | 6m |
| Color Tolerance | Ra70 ≤7 Ra80 ≤5 |
| LED colour Temperature | 3000K / 4000K / 5000K / 5700K / 6500K |
| Colour Rendering Index (CRI) | CRI>70 standard CRI>80 optional |
| Upward Light Output Ratio (ULOR) | 0% |
| LIFETIME OF THE LEDS @ TA 25°C | |
| All configurations | |
| L70B50 | > 100,000h |
| L80B20 | > 50,000h |
| L90B10 | > 30,000h |
| Switching Cycles | > 100,000 times |

※Lamp switch must control L line or control L and N lines.

※Ra measurement tolerance is ±2.

PACKAGING

| POWER | PACKAGE SIZE | QTY/CTN | SINGLE PIECE VOLUME | NET WEIGHT | GROSS WEIGHT | 20GP | 40HQ |
|-------|-------------------|----------|----------------------|------------|--------------|---------|---------|
| 100W | L410*W285*H215mm | 1PCS/CTN | 0.0251m ³ | 4.6kg | 5.4kg | 1035pcs | 2627pcs |
| 120W | L410*W285*H215mm | 1PCS/CTN | 0.0251m ³ | 4.6kg | 4.6kg | 1035pcs | 2627pcs |
| 150W | L765*W285*H215mm | 1PCS/CTN | 0.0469m ³ | 6.9kg | 7.5kg | 555pcs | 1408pcs |
| 200W | L765*W285*H215mm | 1PCS/CTN | 0.0469m ³ | 6.9kg | 7.5kg | 555pcs | 1408pcs |
| 240W | L765*W285*H215mm | 1PCS/CTN | 0.0469m ³ | 6.9kg | 7.5kg | 555pcs | 1408pcs |
| 300W | L1120*W285*H215mm | 1PCS/CTN | 0.0686m ³ | 8.7kg | 10.3kg | 379pcs | 962pcs |

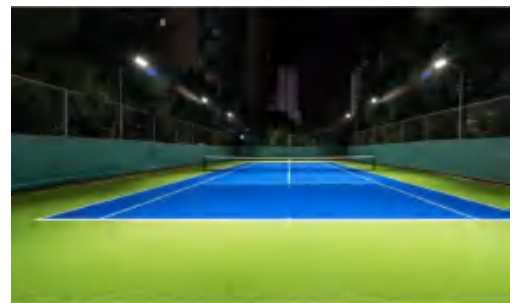
PERFORMANCE

PRO VERSION

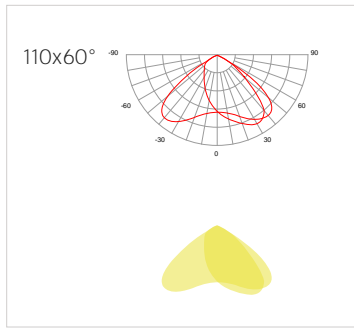
| POWER | LUMENS | EFFICACY |
|-------|----------|---------------|
| 100W | 17,000LM | 170LM/W(Ra70) |
| | 16,000LM | 160LM/W(Ra80) |
| 120W | 19,800LM | 165LM/W(Ra70) |
| | 18,600LM | 155LM/W(Ra80) |
| 150W | 25,500LM | 170LM/W(Ra70) |
| | 24,000LM | 160LM/W(Ra80) |
| 200W | 34,000LM | 170LM/W(Ra70) |
| | 32,000LM | 160LM/W(Ra80) |
| 240W | 38,600LM | 165LM/W(Ra70) |
| | 37,200LM | 155LM/W(Ra80) |
| 300W | 51,000LM | 170LM/W(Ra70) |
| | 48,000LM | 160LM/W(Ra80) |

- ※The Performance Data is tested base on 230VAC, 60x90° and 4000K for all versions
- ※Power Consumption Tolerance ±5% (Apply to all versions)
- ※Lumen Efficiency Tolerance ±5% (Apply to all versions)
- ※When using a 30x70° configuration, the light efficiency decreases by 10%
- ※When using 40x110° configuration, the light efficiency decreases by 5%

APPLICATION



LIGHT DISTRIBUTIONS



PENDANT MOUNTING

| Power | Size |
|----------------|-----------------------|
| 100W/120W | L361.3*W219.4*H172mm |
| 150W/200W/240W | L714.5*W229.4*H171mm |
| 300W | L1067.4*W229.4*H175mm |

