

J-Series



KEY ADVANTAGES

- Complete power, wide coverage of wattage
- Wattage from 100W to 240W optional
- Power Selectable (Optional)
- High energy savings compared to systems with traditional discharge lamps
- Light-on-demand feature with optional motion sensor
- Robust design
- Emergency lighting with optional battery
- High visual comfort
- No hazardous materials
- Fast ROI thanks to long life span and reduced maintenance
- Compact housing optimised for heat dissipation and reduced dust accumulation
- Dedicated range of mounting accessories

TYPES OF APPLICATION

- CAR PARKS
- LARGE AREAS
- INDUSTRIAL HALLS & WAREHOUSES
- SPORT FACILITIES



CAR PARKS



LARGE AREAS



INDUSTRIAL HALLS & WAREHOUSES



SPORT FACILITIES



GENERAL INFORMATION

| | |
|------------------|---|
| Driver included | Yes |
| CE mark | Yes |
| RoHS compliant | Yes |
| SAA Mark | 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 |
| Tightness level | IP 65 |
| Impact resistance | IK 09 |

OPERATING CONDITIONS

| | |
|----------------------------------|----------------------------------|
| Operating temperature range (Ta) | -30°C to + 45°C |
| Operating Humidity | 10-90%RH |
| Mounting Option | Loop Hanging Bracket Mounting |
| Warranty | 5 years |

Performance

| | |
|---------------------|----------------------------------|
| Power | 100W/150W/200W/240W |
| Efficacy | 210lm/W,190lm/W, 170lm/W,150lm/W |
| Power Efficiency | ≥93% |
| Start Time | ≤0.2S |
| Warm-up time to 60% | 0.5S |

ELECTRICAL INFORMATION

| | |
|-------------------------------------|--|
| Electrical class | Class I EU |
| Nominal voltage | 100-277V 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 |
| Control protocol(s) | 1-10V, DALI2 (optional) |
| Sensor | Motion sensor (optional) |
| Emergency | Optional auxiliary battery |
| Total Harmonic Distortion(THD) | IEC 61000-3-2 Class C <20% |
| Driver Type | Constant current(CC) |

OPTICAL INFORMATION

| | |
|----------------------------------|---------------------------------------|
| LED Type | SMD2835 |
| Beam Angle | 60° / 90° / 120° |
| Recommended installation height | 4m to 12m |
| 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 @ TQ 25°C

| | |
|--------------------|----------------|
| All configurations | |
| L70B10 | >100,000h |
| L80B10 | >50,000h |
| L90B10 | >30,000h |
| Switching Cycles | >100,000 times |

PREMIUM VERSION

| POWER | LUMENS | EFFICACY |
|-------|----------|---------------|
| 100W | 21,000LM | 210LM/W(Ra70) |
| | 19,500LM | 195LM/W(Ra80) |
| 150W | 31,500LM | 210LM/W(Ra70) |
| | 29,250LM | 195LM/W(Ra80) |
| 200W | 42,000LM | 210LM/W(Ra70) |
| | 39,000LM | 195LM/W(Ra80) |
| 240W | 50,400LM | 210LM/W(Ra70) |
| | 46,800LM | 195LM/W(Ra80) |

PRO VERSION

| POWER | LUMENS | EFFICACY |
|-------|----------|---------------|
| 100W | 19,000LM | 190LM/W(Ra70) |
| | 17,600LM | 176LM/W(Ra80) |
| 150W | 28,500LM | 190LM/W(Ra70) |
| | 26,400LM | 176LM/W(Ra80) |
| 200W | 38,000LM | 190LM/W(Ra70) |
| | 35,200LM | 176LM/W(Ra80) |
| 240W | 45,600LM | 190LM/W(Ra70) |
| | 42,240LM | 176LM/W(Ra80) |

STANDARD VERSION

| POWER | LUMENS | EFFICACY |
|-------|----------|---------------|
| 100W | 17,000LM | 170LM/W(Ra70) |
| | 16,000LM | 160LM/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 | 40,800LM | 170LM/W(Ra70) |
| | 38,400LM | 160LM/W(Ra80) |

ECO VERSION

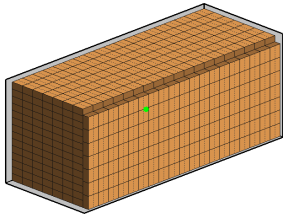
| POWER | LUMENS | EFFICACY |
|-------|----------|---------------|
| 100W | 15,000LM | 150LM/W(Ra70) |
| | 14,000LM | 140LM/W(Ra80) |
| 150W | 22,500LM | 150LM/W(Ra70) |
| | 21,000LM | 140LM/W(Ra80) |
| 200W | 30,000LM | 150LM/W(Ra70) |
| | 28,000LM | 140LM/W(Ra80) |
| 240W | 36,000LM | 150LM/W(Ra70) |
| | 33,600LM | 140LM/W(Ra80) |

※The Performance Data is tested base on 4000K configuration

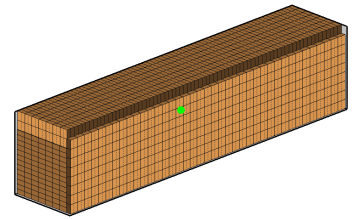
PACKAGING

| POWER | PACKAGE SIZE | QTY/CTN | NET WEIGHT | GROSS WEIGHT | 20GP | 40HQ |
|-------|------------------|----------|------------|--------------|---------|---------|
| 100W | L300*W300*H160mm | 1PCS/CTN | 1.8kg | 2.3kg | 1895pcs | 4368pcs |
| 150W | L350*W350*H165mm | 1PCS/CTN | 2.3kg | 2.8kg | 1368pcs | 3229pcs |
| 200W | L390*W390*H170mm | 1PCS/CTN | 3.1kg | 3.7kg | 1111pcs | 2565pcs |
| 240W | L470*W470*H210mm | 1PCS/CTN | 4.9kg | 6.0kg | 592pcs | 1423pcs |

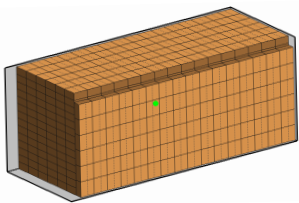
20GP
100W



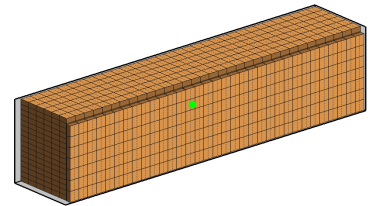
40HQ
100W



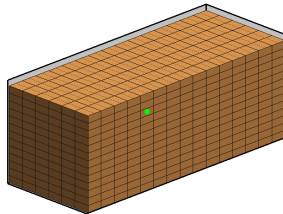
20GP
150W



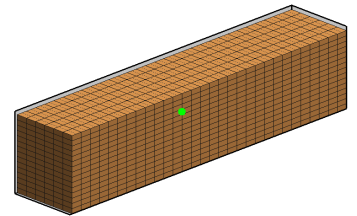
40HQ
150W



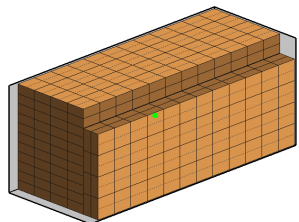
20GP
200W



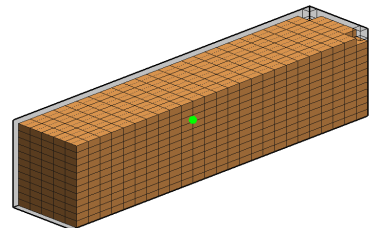
40HQ
200W



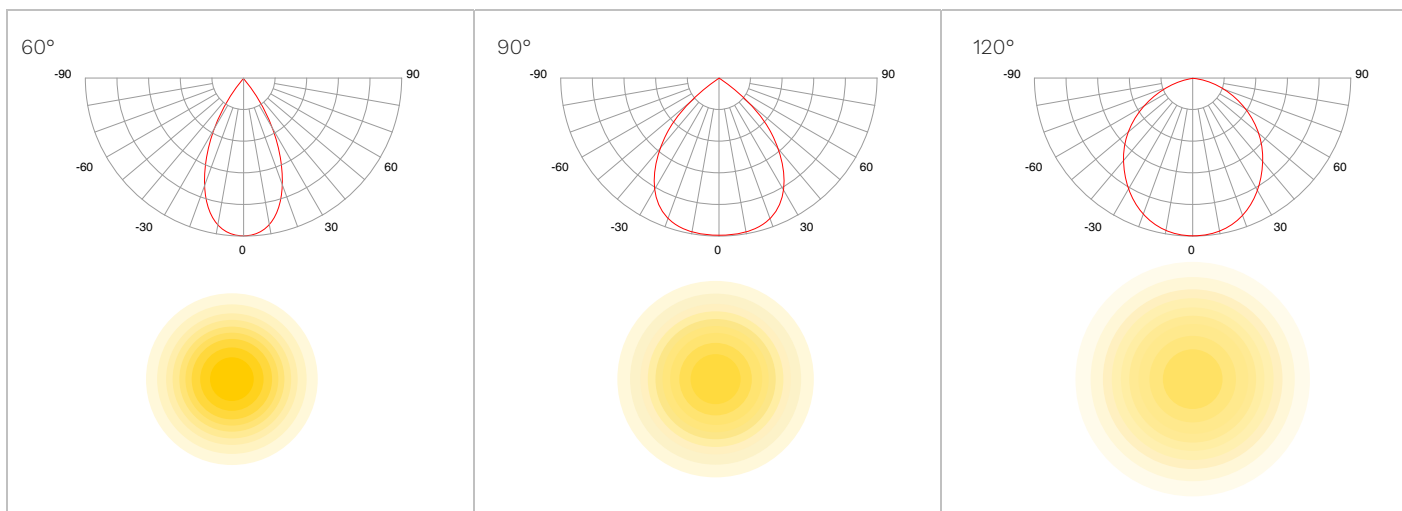
20GP
240W



40HQ
240W



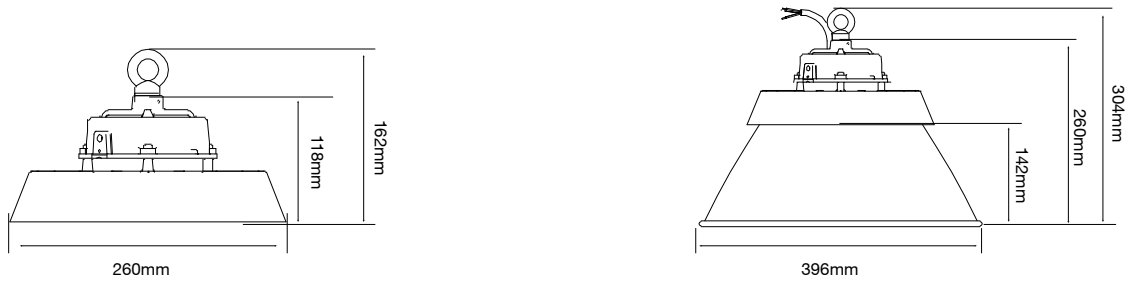
LIGHT DISTRIBUTIONS



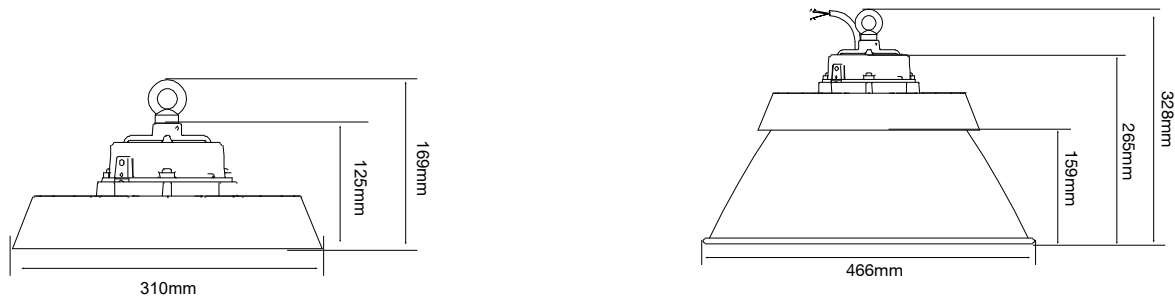
OPTIONAL ACCESSORIES

| | | | | |
|--|------------------------|---------------------|-------------------|------------------|
| | Philips | Sosen | Lifud | |
| | 60°/90° | 90° | 120° | |
| ※The built-in sensor model is only suitable for 90° lens | | | | |
| | ALU Reflector | PC Reflector | | |
| | Adjustable Bracket | Built-in Sensor | Motion Sensor | Safety Chain |

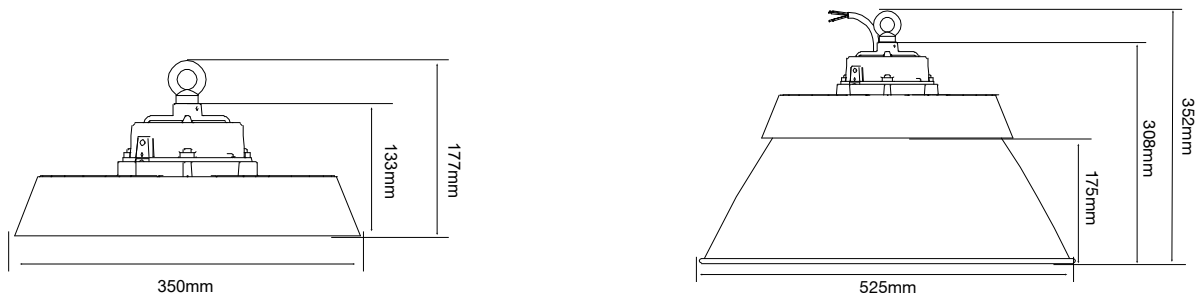
100W



150W



200W



240W

