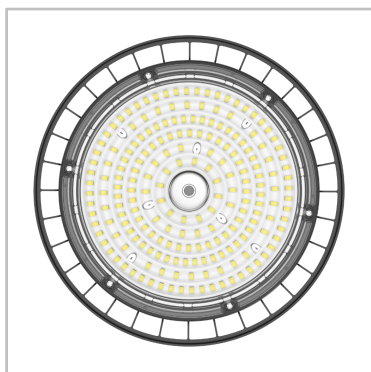


N-SE-Series



KEY ADVANTAGES

- 210lm/w ultra-high light efficiency
- Wattage from 100W to 200W optional
- Power Selectable (Optional)
- High energy savings compared to systems with traditional discharge lamps
- 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 |
| 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) | -20°C to + 40°C |
| Operating Humidity | 10-90%RH |
| Mounting Option | Loop Hanging Bracket Mounting |
| Warranty | 5 years |

PERFORMANCE

| | |
|---------------------|----------------------------------|
| Power | 100W/150W/200W |
| 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 | 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 |
| Control protocol(s) | 1-10V, DALI2 (optional) |
| Emergency | Optional auxiliary battery |
| Total Harmonic Distortion(THD) | IEC 61000-3-2 Class C <20% |
| Driver Type | Constant current(CC) |
| For fixed Class 1 luminaires, overvoltage protective devices which comply with IEC 61643-11 shall be disconnected from the circuit. | |
| withstand voltage | 1.5KV 60S 10mA |

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

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% |

※ Ra measurement tolerance is ±2.

LIFETIME OF THE LEDS @ TA 25°C

| | |
|--------------------|----------------|
| All configurations | |
| L70B50 | >100,000h |
| L80B20 | >50,000h |
| L90B10 | >30,000h |
| Switching Cycles | >100,000 times |

PREMIUM VERSION

| POWER | | LUMENS | | EFFICACY | | |
|-------|--|--------|----------|----------|---------------|--|
| 100W | | | 21,000LM | | 210LM/W(Ra70) | |
| | | | 19,000LM | | 190LM/W(Ra80) | |
| 150W | | | 31,500LM | | 210LM/W(Ra70) | |
| | | | 28,500LM | | 190LM/W(Ra80) | |
| 200W | | | 42,000LM | | 210LM/W(Ra70) | |
| | | | 38,000LM | | 190LM/W(Ra80) | |

PRO VERSION

| POWER | | LUMENS | | EFFICACY | | |
|-------|--|--------|----------|----------|---------------|--|
| 100W | | | 19,000LM | | 190LM/W(Ra70) | |
| | | | 18,000LM | | 180LM/W(Ra80) | |
| 150W | | | 28,500LM | | 190LM/W(Ra70) | |
| | | | 27,000LM | | 180LM/W(Ra80) | |
| 200W | | | 38,000LM | | 190LM/W(Ra70) | |
| | | | 36,000LM | | 180LM/W(Ra80) | |

STANDARD VERSION

| POWER | | LUMENS | | EFFICACY | |
|-------|----------|--------|---------------|----------|---------------|
| 100W | | | 17,000LM | | 170LM/W(Ra70) |
| | | | 15,700LM | | 157LM/W(Ra80) |
| 150W | 25,500LM | | 170LM/W(Ra70) | | |
| | 24,000LM | | 160LM/W(Ra80) | | |
| 200W | 34,000LM | | 170LM/W(Ra70) | | |
| | 32,000LM | | 160LM/W(Ra80) | | |

ECO VERSION

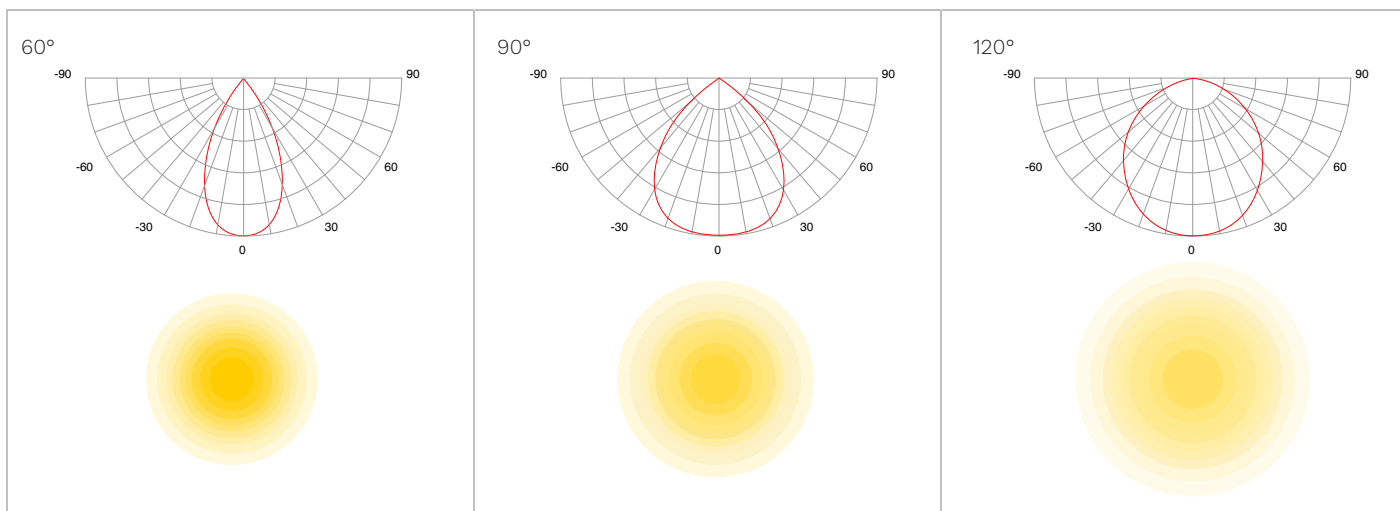
| POWER | | LUMENS | | EFFICACY | | |
|-------|--|--------|----------|----------|---------------|--|
| 100W | | | 15,000LM | | 150LM/W(Ra70) | |
| | | | 14,000LM | | 140LM/W(Ra80) | |
| 150W | | | 22,500LM | | 150LM/W(Ra70) | |
| | | | 21,000LM | | 140LM/W(Ra80) | |
| 200W | | | 30,000LM | | 150LM/W(Ra70)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

※The Performance Data is tested base on 230VAC, 90° and 4000K for all versions
※Power Consumption Tolerance ±5% (Apply to all versions)
※Lumen Efficiency Tolerance ±5% (Apply to all versions)

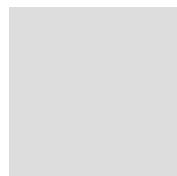
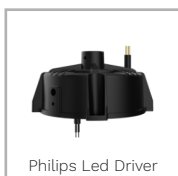
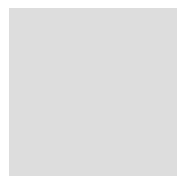
PACKAGING

| POWER | PACKAGE SIZE | QTY/CTN | SINGLE PIECE VOLUME | NET WEIGHT | GROSS WEIGHT | 20GP | 40HQ |
|-------|------------------|----------|---------------------|------------|--------------|---------|---------|
| 100W | L275*W275*H145mm | 1PCS/CTN | 0.01097m³ | 2.1kg | 2.6kg | 2371pcs | 6019pcs |
| 150W | L315*W315*H145mm | 1PCS/CTN | 0.0144m³ | 2.5kg | 3.1kg | 1807pcs | 4587pcs |
| 200W | L355*W355*H145mm | 1PCS/CTN | 0.0183m³ | 3.2kg | 4.0kg | 1423pcs | 3612pcs |

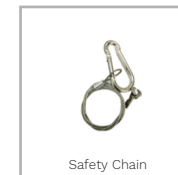
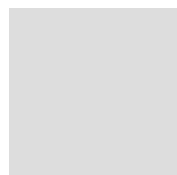
LIGHT DISTRIBUTIONS



OPTIONAL

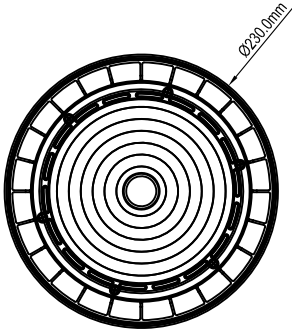
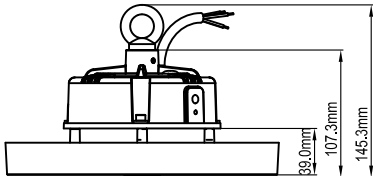


ACCESSORIES

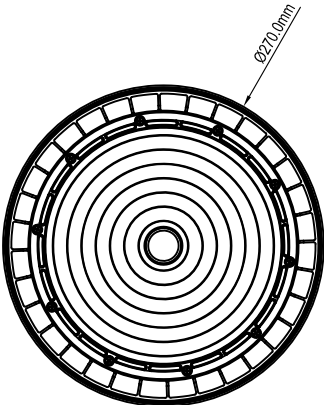
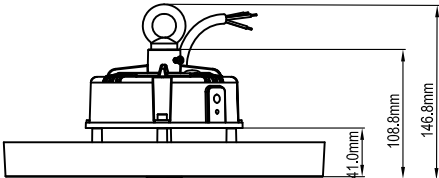


⚠ Connecting the cable requires an IP65 Tightness level

100W



150W



200W

