# GreenPerform Elite Highbay G2

## BY778P LED100/CW PSU NB

GreenPerform Elite Highbay G2, 51 W, 10000 lm, 6500 K, 55°

GreenPerform Elite Highbay G2 is the latest innovation in our successful range of highbay luminaires for high ceiling and industrial applications. GreenPerform Elite Highbay G2 improves on the unique finless housing and flat optics design of earlier versions of the luminaire. Its clean and appealing aesthetic works perfectly in industrial application as well as high-ceiling applications in airports, lobbies, and other indoor areas. This versatile luminaire offers a wealth of practical features, including great light quality, exceptional energy savings, a long lifetime at an affordable price, and a wide variety of optics and lumen packages. GreenPerform Elite Highbay G2 also offers options for advanced connectivity with IoT-based systems and software applications, including Interact Pro. If you're looking for a robust, reliable, fit-and-forget solution with connectivity advantages, GreenPerform Elite Highbay G2 is the smart choice.

## Product data

### General Information

| | |
|---|---|
| Number of gear units | 1 unit |
| Gear | EBR [Electronic regulating] |
| Driver included | Yes |
| Light source engine type | LED |
| Service tag | Yes |
| Warranty period | 5 years |

### Light Technical

| | |
|---|---|
| Luminous Flux | 10,000 lm |

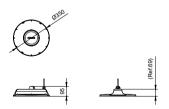| | |
|---|---|
| Correlated Color Temperature (Nom) | 6500 K |
| Luminous Efficacy (rated) (Nom) | 196 lm/W |
| Color rendering index (CRI) | 80 |
| Number of light sources | 1 |
| Beam angle of light source | 55 degree(s) |
| Light source color | 865 cool daylight |
| Optic type | Beam angle 55° |
| Luminaire light beam spread | 55° |
| Unified glare rating CEN | 22 |

# GreenPerform Elite Highbay G2

| | |
|---|---|
| Effective projected area | 0.1 m² |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 200 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 75 A |
| Inrush time | 0.108 ms |
| Power Consumption | 51 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Flying leads/wires |
| Cable | Cable 0.3 m without plug |
| Number of products on MCB of 16 A type B | 16 |
| Suitable for random switching | Yes |
| Protection class IEC | Safety class I |

## Controls and Dimming

| | |
|---|---|
| Dimmable | – |
| Control interface | – |
| Maximum dim level | Not applicable |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Aluminum Alloy |
| Reflector material | – |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Housing Color | Gray |
| Mounting device | Pole Mounting |
| Optical cover finish | Clear |
| Overall height | 95 mm |
| Overall diameter | 350 mm |
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Optical cover type | Polycarbonate |

| | |
|---|---|
| Net Weight (Piece) | 2.600 kg |

## Approval and Application

| | |
|---|---|
| Glow-wire test | Temperature 650 °C, duration 30 s |
| Flammability mark | – |
| CE mark | Yes |
| ENEC mark | – |
| Photobiological risk | Photobiological risk group 1 @200mm to EN62778 |
| Photobiological risk specification | 4.9 m |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 35 °C |
| Ambient temperature range | –40 to +50 °C |

## UV

| | |
|---|---|
| UV-C radiation | 0 W |
| UV-C irradiance defined at 0.2m | 0 mW/m² |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | –10% / +10% |
| Initial chromaticity | (0.3123,0.3282) SDCM < 5 |
| Power consumption tolerance | +/-10% |

## Product Data

| | |
|---|---|
| Order product name | BY778P LED100/CW PSU NB |
| Full product name | BY778P LED100/CW PSU NB |
| Order code | 911401620909 |
| Material Nr. (12NC) | 911401620909 |
| Numerator – Quantity Per Pack | 1 |
| Numerator – Packs per outer box | 1 |

## Dimensional drawing

# GreenPerform Elite Highbay G2