



# GreenPerform Highbay G5

## BY690P LED250/NW PSU WB GM

GreenPerform Highbay G5, 144 W, 25500 lm, 4000 K, 85°

The GreenPerform Highbay G5 continues the GreenPerform family's enviable reputation for reliable performance. Not only does it deliver leading system efficacy and extended long-term quality, it also promises Unified Glare Rating (UGR) control with compact dimensions. GreenPerform Highbay G5 is also fully compatible with IoT software such as Interact, which is a scalable, future-proof control system. The family also has a series that supports cold room applications with 100% humidity and no condensation. All benefits that make this robust, optimized, and versatile family suitable for almost all industrial applications.

### Product data

| General Information                |             | Operating and Electrical    |                   |
|------------------------------------|-------------|-----------------------------|-------------------|
| Number of gear units               | 1 unit      | Beam angle of light source  | 115 degree(s)     |
| Gear                               | -           | Light source color          | 840 neutral white |
| Driver included                    | Yes         | Optic type                  | Wide beam         |
| Light source engine type           | LED         | Luminaire light beam spread | 85°               |
| Value ladder                       | Performance | Unified glare rating CEN    | 25                |
| Warranty period                    | 5 years     | Effective projected area    | 0 m <sup>2</sup>  |
| Light Technical                    |             | Input Voltage               | 220 to 240 V      |
| Luminous Flux                      | 25,500 lm   | Line Frequency              | 50 or 60 Hz       |
| Correlated Color Temperature (Nom) | 4000 K      | Inrush current              | 54 A              |
| Luminous Efficacy (rated) (Nom)    | 177 lm/W    | Inrush time                 | 0.75 ms           |
| Color rendering index (CRI)        | 80          | Power Consumption           | 144 W             |
| Number of light sources            | 1           | Power Factor (Fraction)     | 0.95              |

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|  |                                   |
|--|-----------------------------------|
| Connection                                 | Flying leads/wires                |
| Cable                                      | Cable 0,3 m with connector 3-pole |
| Number of products on MCB of 16 A type B 6 |                                   |
| 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 die-cast                            |
| Reflector material           | -  |
| Optic material               | Polycarbonate                                |
| Optical cover material       | Polycarbonate                                |
| Housing Color                | Grey   |
| Mounting device              | Suspension set simple, standard              |
| Optical cover finish         | Clear  |
| Overall height               | 99 mm  |
| Overall diameter             | 393 mm                                       |
| Ingress protection code      | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected]                  |
| Optical cover type           | Clear dome                                   |
| Net Weight (Piece)           | 4.190 kg                                     |

### Approval and Application

|                |                                   |
|----------------|-----------------------------------|
| Glow-wire test | Temperature 650 °C, duration 30 s |
|----------------|-----------------------------------|

|                                    |  |
|------------------------------------|--|
| Flammability mark                  | For mounting on normally flammable surfaces    |
| CE mark                            | Yes  |
| ENEC mark                          | -  |
| Photobiological risk               | Photobiological risk group 1 @200mm to EN62778 |
| Photobiological risk specification | 0.2 m  |
| EU RoHS compliant                  | Yes  |
| Performance ambient temperature Tq | 35 °C  |
| Ambient temperature range          | -35 °C to 50 °C                                |

### UV

|                                 |                     |
|---------------------------------|---------------------|
| UV-C radiation                  | 0 W                 |
| UV-C irradiance defined at 0.2m | 0 mW/m <sup>2</sup> |

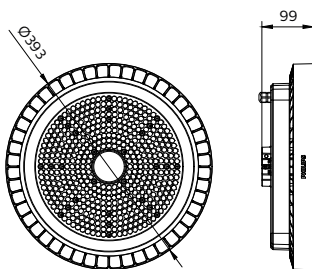
### Initial Performance (IEC Compliant)

|                             |             |
|-----------------------------|-------------|
| Luminous flux tolerance     | -10% / +10% |
| Power consumption tolerance | +/-10%      |

### Product Data

|                                 |                            |
|---------------------------------|----------------------------|
| Order product name              | BY690P LED250/NW PSU WB GM |
| Full product name               | BY690P LED250/NW PSU WB GM |
| Order code                      | 911401542345               |
| Material Nr. (12NC)             | 911401542345               |
| Numerator - Quantity Per Pack   | 1                          |
| Numerator - Packs per outer box | 1                          |

## Dimensional drawing



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