



# Ledinaire floodlights gen3

## BVP165 LED105/840 PSU 100W AWB CE

Ledinaire floodlights gen3, 100 W, 10500 lm, 4000 K, CRI80, Asymmetrical wide beam, IP65

This Ledinaire floodlights range contains a selection of popular off-the-shelf LED luminaires that comes with the Philips high quality levels at a competitive price. Reliable, energy-efficient and affordable – just what you need.

### Product data

| General Information          |                                   | Standard tilt angle side entry   |                        |
|------------------------------|-----------------------------------|----------------------------------|------------------------|
| Lamp family code             | -                                 | Correlated Colour Temperature    | 4000 K                 |
| Light source replaceable     | No                                | Luminous efficacy (rated) (nom.) | 105 lm/W               |
| Number of gear units         | Unit                              | Colour rendering index (CRI)     | >80                    |
| Driver included              | Yes                               | Flickering value (PstLM)         | 1                      |
| Light source engine type     | LED                               | Stroboscopic effect              | 5                      |
| Lighting Technology          | LED                               | Light source colour              | 840 neutral white      |
| CE mark                      | Yes                               | Optical cover type               | Glass                  |
| Warranty period              | 3 years                           | Luminaire light beam spread      | 40° x 83°              |
| Flammability mark            | -                                 | Optic type outdoor               | Asymmetrical wide beam |
| ENEC mark                    | -                                 |                                  |                        |
| Glow-wire test               | Temperature 650 °C, duration 30 s | Operating and Electrical         |                        |
| EU RoHS compliant            | Yes                               | Input Voltage                    | 220 to 240 V           |
|                              |                                   | Line Frequency                   | 50 or 60 Hz            |
|                              |                                   | Initial CLO power consumption    | - W                    |
|                              |                                   | Average CLO power consumption    | 100 W                  |
|                              |                                   | End CLO power consumption        | - W                    |
|                              |                                   | Inrush current                   | 3.84 A                 |
| Light Technical              |                                   |                                  |                        |
| Upwards light output ratio   | 0                                 |                                  |                        |
| Luminous Flux                | 10,500 lm                         |                                  |                        |
| Standard tilt angle post-top | -                                 |                                  |                        |

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|  |                          |
|--|--------------------------|
| Inrush time                              | 0.0244 ms                |
| Power Consumption                        | 100 W                    |
| Power Factor (Fraction)                  | 0.95                     |
| Connection                               | Flying leads/cables      |
| Cable                                    | Cable 2.0 m without plug |
| Number of products on MCB of 16 A type B | 22                       |

### Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | -25 to +40 °C |
|---------------------------|---------------|

### Controls and Dimming

|                               |                            |
|-------------------------------|----------------------------|
| Dimmable                      | No                         |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output         | No                         |

### Mechanical and Housing

|                                     |                             |
|-------------------------------------|-----------------------------|
| Housing material                    | Aluminium die cast          |
| Reflector material                  | Polycarbonate               |
| Optic material                      | Glass                       |
| Optical cover/lens material         | Tempered glass              |
| Fixation material                   | Steel                       |
| Housing Colour                      | Grey                        |
| Mounting device                     | Mounting bracket adjustable |
| Optical cover/lens shape            | Flat                        |
| Optical cover/lens finish           | Clear                       |
| Overall length                      | 282 mm                      |
| Overall width                       | 409 mm                      |
| Overall height                      | 34.5 mm                     |
| Effective projected area            | 0.045 m <sup>2</sup>        |
| Dimensions (height x width x depth) | 35 x 409 x 282 mm           |

### Approval and Application

|  |  |
|--|--|
| Ingress protection code                | IP65 [Dust penetration-protected, jet-proof]                                       |
| Mech. impact protection code           | IK08 [5 J vandal-protected]  |
| Surge Protection (Common/Differential) | Luminaire surge protection level up to 4 kV differential mode and 4 kV common mode |

|                                    |  |
|------------------------------------|--|
| Sustainability rating              | -  |
| Protection class IEC               | Safety class I                                 |
| Photobiological risk               | Photobiological risk group 1 @200mm to EN62778 |
| Photobiological risk specification | 0.2 m  |

### Initial Performance (IEC Compliant)

|                                       |                        |
|---------------------------------------|------------------------|
| Luminous flux tolerance               | +/-10%                 |
| Initial chromaticity                  | (0.380, 0.380) SDCM <5 |
| Power consumption tolerance           | +/-10%                 |
| Init. Color Rendering Index Tolerance | +/-2                   |

### Over Time Performance (IEC Compliant)

|  |     |
|--|-----|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h        | 75  |

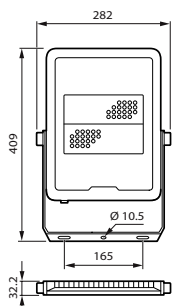
### Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |

### Product Data

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Order product name                | BVP165 LED105/840 PSU 100W AWB CE |
| Full product name                 | BVP165 LED105/840 PSU 100W AWB CE |
| Full EOC                          | 871951453495799                   |
| Order code                        | 53495799                          |
| Material no. (12 NC)              | 911401896483                      |
| SAP numerator – quantity per pack | 1                                 |
| EAN/UPC – Product/Case            | 8719514534957                     |
| Numerator – packs per outer box   | 4                                 |
| EAN/UPC - Case                    | 8719514534995                     |

## Dimensional drawing



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