



# Ledinaire floodlights gen3

## BVP165 LED120/840 PSU 100W SWB CE

Ledinaire floodlights gen3, 100 W, 12000 lm, 4000 K, CRI80, Symmetrical 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             |           | Light source colour           |                          |
|---------------------------------|-----------|-------------------------------|--------------------------|
| Lighting Technology             | LED       | Light source colour           | 840 neutral white        |
| Driver included                 | Yes       | Optical cover/lens type       | Glass                    |
| Number of gear units            | Unit      | Luminaire light beam spread   | 110° x 110°              |
| Lamp family code                | -         | Optic type outdoor            | Symmetrical wide beam    |
| Light source engine type        | LED       | Operating and electrical      |                          |
| Light source replaceable        | No        | Input Voltage                 | 220 to 240 V             |
| Light technical                 |           | Line Frequency                | 50 or 60 Hz              |
| Upwards light output ratio      | 0         | Input frequency               | 50 or 60 Hz              |
| Luminous Flux                   | 12,000 lm | Initial CLO power consumption | - W                      |
| Standard tilt angle post-top    | -         | Average CLO power consumption | 100 W                    |
| Standard tilt angle side entry  | -         | End CLO power consumption     | - W                      |
| Correlated Colour Temperature   | 4000 K    | Inrush current                | 3.84 A                   |
| Luminous Efficacy (rated) (Nom) | 120 lm/W  | Inrush time                   | 0.0244 ms                |
| Colour rendering index (CRI)    | >80       | Power Consumption             | 100 W                    |
| Flickering value (PstLM)        | 1         | Power Factor (Fraction)       | 0.95                     |
| Stroboscopic effect             | 5         | Connection                    | Flying leads/cables      |
|                                 |           | Cable                         | Cable 2.0 m without plug |

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|  |    |
|--|----|
| 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                      | 220 mm                      |
| Overall width                       | 312 mm                      |
| Overall height                      | 34.5 mm                     |
| Effective projected area            | 0.045 m <sup>2</sup>        |
| Dimensions (height x width x depth) | 35 x 312 x 220 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   |
| Glow-wire test                         | Temperature 650 °C, duration 30 s  |
| Flammability mark                      | -  |

|                                    |  |
|------------------------------------|--|
| CE mark                            | Yes  |
| ENEC mark                          | -  |
| Warranty period                    | 3 years  |
| Photobiological risk               | Photobiological risk group 1 @200mm to EN62778 |
| Photobiological risk specification | 0.2 m  |
| EU RoHS compliant                  | Yes  |

### 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)

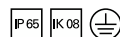
|  |     |
|--|-----|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h        | 80  |

### Application conditions

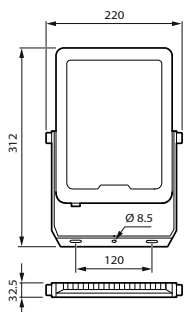
|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |

### Product data

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Full EOC                          | 871951453351699                   |
| Order product name                | BVP165 LED120/840 PSU 100W SWB CE |
| Order code                        | 53351699                          |
| SAP numerator – quantity per pack | 1                                 |
| Numerator – packs per outer box   | 6                                 |
| Material number (12NC)            | 911401856483                      |
| Full product name                 | BVP165 LED120/840 PSU 100W SWB CE |
| EAN/UPC - Case                    | 8719514533752                     |



## Dimensional drawing



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