



# 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		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	40° x 83°
Lamp family code	-	Optic type outdoor	Asymmetrical 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	10,500 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)	105 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
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### Temperature

Ambient temperature range	-25 to +40 °C
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### 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
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)

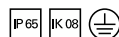
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	75

### Application conditions

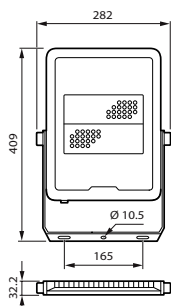
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

### Product data

Full EOC	871951453495799
Order product name	BVP165 LED105/840 PSU 100W AWB CE
Order code	53495799
SAP numerator – quantity per pack	1
Numerator – packs per outer box	4
Material number (12NC)	911401896483
Full product name	BVP165 LED105/840 PSU 100W AWB CE
EAN/UPC - Case	8719514534995



## Dimensional drawing



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