



# 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			
Lamp family code	-	Standard tilt angle side entry	-
Light source replaceable	No	Correlated Colour Temperature	4000 K
Number of gear units	Unit	Luminous efficacy (rated) (nom.)	105 lm/W
Driver included	Yes	Colour rendering index (CRI)	>80
Light source engine type	LED	Flickering value (PstLM)	1
Lighting Technology	LED	Stroboscopic effect	5
CE mark	Yes	Light source colour	840 neutral white
Warranty period	3 years	Optical cover/lens type	Glass
Flammability mark	-	Luminaire light beam spread	40° x 83°
ENEC mark	-	Optic type outdoor	Asymmetrical wide beam
Glow-wire test	Temperature 650 °C, duration 30 s		
EU RoHS compliant	Yes	Operating and Electrical	
		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
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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
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

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 no. (12 NC)	911401896483
Full product name	BVP165 LED105/840 PSU 100W AWB CE
EAN/UPC - Case	8719514534995
EAN/UPC - Product/Case	8719514534957

## Dimensional drawing

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