



Ledinaire floodlights gen3

BVP165 LED105/840 PSU 100W AWB CE

840 neutral white - Wide beam

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	-	Number of products on MCB (16 A type B)	22
Light source colour	840 neutral white	Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
Light source replaceable	No	Photobiological risk specification	0.2 m
Number of gear units	1 unit	EU RoHS compliant	Yes
Driver/power unit/transformer	No [-]	Light source engine type	LED
Driver included	Yes	Light Technical	
Optical cover/lens type	G [Glass]	Upward light output ratio	0
Luminaire light beam spread	40° x 83°	Standard tilt angle post-top	-
Control interface	-	Standard tilt angle side entry	-
Connection	Flying leads/cables	Operating and Electrical	
Cable	Cable 2.0 m without plug (C2K)	Input Voltage	220 to 240 V
Protection class IEC	Safety class I	Input frequency	50 or 60 Hz
Flammability mark	NO [-]	Initial CLO power consumption	- W
CE mark	CE mark	Average CLO power consumption	100 W
ENEC mark	-	End CLO power consumption	- W
Warranty period	3 years	Inrush current	3.84 A
Optic type outdoor	Wide beam		
Constant light output	No		

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Inrush time	0.0244 ms
Power factor (min.)	0.95

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	Aluminium die-cast
Reflector material	Polycarbonate
Optic material	Glass
Optical cover/lens material	Tempered glass
Fixation material	Steel
Mounting device	MBA [Mounting bracket adjustable]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	282 mm
Overall width	409 mm
Overall height	32.5 mm
Effective projected area	0.045 m ²
Colour	grey
Dimensions (height x width x depth)	33 x 409 x 282 mm (1.3 x 16.1 x 11.1 in)

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Surge protection (common/differential)	4/4 kV
Sustainability rating	-

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	10500 lm
Luminous flux tolerance	+/-10%

Initial LED luminaire efficacy	105 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.380, 0.380) SDCM <5
Initial input power	100 W
Power consumption tolerance	+/-10%
Init. colour 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

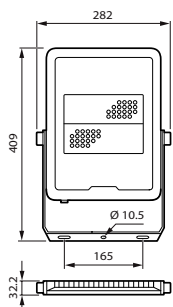
Ambient temperature range	-25 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

Product Data

Full product code	871951453495799
Order product name	BVP165 LED105/840 PSU 100W AWB CE
EAN/UPC – product	8719514534957
Order code	53495799
SAP numerator – quantity per pack	1
Numerator – packs per outer box	4
SAP material	911401896483
SAP net weight (piece)	3.020 kg



Dimensional drawing



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