PHILIPS Lighting



Ledinaire floodlights gen3

BVP164 LED77/830 PSU 70W SWB MDU CE

Ledinaire floodlights gen3, 70 W, 7700 lm, 3000 K, CRI80, Symmetrical wide beam, MDU1, 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	
Lighting Technology	LED
Driver included	Yes
Number of gear units	Unit
Lamp family code	-
Light source engine type	LED
Light source replaceable	No
Light technical	
Upwards light output ratio	0
Luminous Flux	7,700 lm
Standard tilt angle post-top	-
Standard tilt angle side entry	-
Correlated Colour Temperature	3000 K
Luminous Efficacy (rated) (Nom)	110 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect	5

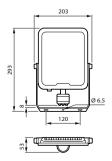
Light source colour	830 warm white	
Optical cover/lens type	Glass	
Luminaire light beam spread	110° x 110°	
Optic type outdoor	Symmetrical wide beam	
Operating and electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 or 60 Hz	
Input frequency	50 or 60 Hz	
Initial CLO power consumption	- W	
Average CLO power consumption	70 W	
End CLO power consumption	- W	
Inrush current	3.64 A	
Inrush time	0.0222 ms	
Power Consumption	70 W	
Power Factor (Fraction)	0.9	
Connection	Flying leads/cables	
Cable	Cable 2.0 m without plug	

Ledinaire floodlights gen3

Number of products on MCB of 16 A type B	31	ENEC mark
		Warranty period
Temperature		Photobiological risk
Ambient temperature range	-20 to +40 °C	
		Photobiological risk specificat
Controls and dimming		EU RoHS compliant
Dimmable	No	
Driver/power unit/transformer	Power supply unit (On/Off)	Initial performance (IEC c
Constant light output	No	Luminous flux tolerance
		Initial chromaticity
Mechanical and housing		Power consumption tolerance
Housing material	Aluminium die cast	Init. Color Rendering Index To
Reflector material	Polycarbonate	
Optic material	Glass	Over time performance (II
Optical cover/lens material	Tempered glass	Control gear failure rate at me
Fixation material	Steel	50,000 h
Housing Colour	Grey	Lumen maintenance at media
Mounting device	Mounting bracket adjustable	50,000 h
Optical cover/lens shape	Flat	
Optical cover/lens finish	Clear	Application conditions
Overall length	203 mm	Performance ambient tempera
Overall width	293 mm	Maximum dim level
Overall height	53 mm	
Effective projected area	0.038 m ²	Product data
Dimensions (height x width x depth)	53 x 293 x 203 mm	Full EOC
		Order product name
Approval and application		
Ingress protection code	IP65 [Dust penetration-protected, jet-	Order code
	proof]	SAP numerator – quantity per
Mech. impact protection code	IK08 [5 J vandal-protected]	Numerator – packs per outer
Surge Protection (Common/Differential)	Luminaire surge protection level up to 2	Material number (12NC)
	kV differential mode and 2 kV common	Full product name
	mode	
Sustainability rating	-	EAN/UPC - Case
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	(0.440, 0.403) 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	5 %
50,000 h	
Lumen maintenance at median useful life*	80
50,000 h	
Application conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Product data	
Full EOC	871951453474299
Order product name	BVP164 LED77/830 PSU 70W SWB MDU
	CE
Order code	53474299
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material number (12NC)	911401884883
Full product name	BVP164 LED77/830 PSU 70W SWB MDU
	CE
EAN/UPC - Case	8719514534841

Dimensional drawing



Ledinaire floodlights gen3



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, April 15 - data subject to change