



ClearFlood

BVP650 LED280-4S/740 PSU DW10 ALU

ClearFlood, LED module 28000 lm, LED, Power supply unit (On/Off), Distribution wide 10, Aluminum

ClearFlood is a range of floodlights that enables you to choose the exact lumen rating that you need for your specific application. Designed around state-of-the-art LEDs and extremely high-efficiency optics, this very competitive solution offers an industry-leading lux per euro ratio and significant energy savings. The choice of different optics in the ClearFlood range opens new application possibilities for LEDs. ClearFlood BVP650 is also easy to install and to maintain.

Product data

General Information		
Lamp family code	LED280 [LED module 28000 lm]	
Light source replaceable	Yes	
Number of gear units	2 units	
Gear	EB [Electronic]	
Driver included	Yes	
Remarks	*-Per Lighting Europe guidance paper	
	"Evaluating performance of LED based	
	luminaires - January 2018": statistically there	
	is no relevant difference in lumen	
	maintenance between B50 and for example	
	B10. Therefore, the median useful life (B50)	
	value also represents the B10 value. * At	
	extreme ambient temperatures the luminaire	
	might automatically dim down to protect	
	components	
Light source engine type	LED	
Product family code	BVP650 [ClearFlood]	

Lighting Technology	LED	
Value ladder	Specification	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	For mounting on normally flammable	
	surfaces	
ENEC mark	ENEC mark	
Glow-wire test	Temperature 960 °C, duration 5 s	
EU RoHS compliant	Yes	
Light Technical		
Upward light output ratio	0	
Luminous Flux	24,080 lm	
Standard tilt angle posttop	O°	
Standard tilt angle side entry	O°	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	145 lm/W	

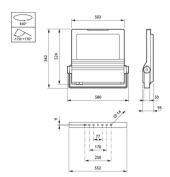
Datasheet, 2023, December 6 data subject to change

ClearFlood

Color rendering index (CRI)	70	Overall height	95 mm
Number of light sources	120	Effective projected area	0.26 m²
Light source color	740 neutral white	Dimensions (Height x Width x Depth)	95 x 580 x 562 mm
Optical cover type	Flat glass		
Luminaire light beam spread	86° x 188°	Approval and Application	
Optic type outdoor	Distribution wide 10	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
		Mech. impact protection code	IK09 [10 J]
Operating and Electrical		Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Input Voltage	220-240 V		differential mode and 8 kV common mode
Line Frequency	50 to 60 Hz	Protection class IEC	Safety class I
Inrush current	53 A	Photobiological risk	Photobiological risk group 1 @200mm to
Inrush time	0.3 ms		EN62778
Power Consumption	166 W		
Power Factor (Fraction)	0.99	Initial Performance (IEC Compliant)	
Connection	Connection unit 3-pole	Luminous flux tolerance	+/-7%
Cable	-	Initial chromaticity	(0.380, 0.390) SDCM <5
Number of products on MCB of 16 A type	4	Power consumption tolerance	+/-10%
В		Init. Color Rendering Index Tolerance	+/-2
Temperature		Over Time Performance (IEC Compl	iant)
<u> </u>	40 to 150 °C	Control gear failure rate at median useful	<u> </u>
Ambient temperature range	-40 to +50 °C	life 100000 h	. 10 %
Controls and Dimming		Lumen maintenance at median useful	L96
Dimmable	No	life* 100000 h	
Driver/power unit/transformer	Power supply unit (On/Off)		
Control interface		Application Conditions	
Constant light output	No	Performance ambient temperature Tq	25 °C
		Donalis de Data	
Mechanical and Housing		Product Data	
Housing Material	Aluminum die cast	Order product name	BVP650 LED280-4S/740 PSU DW10 ALU
Reflector material		Full product name	BVP650 LED280-4S/740 PSU DW10 ALU
Optic material	Acrylate	Full product code	871869909083800
Optical cover material	Glass	Order code	912300023561
Fixation material		Material Nr. (12NC)	912300023561
	Steel	Material Nr. (IZNC)	
Housing Color	Steel Aluminum	Numerator - Quantity Per Pack	1
Housing Color Mounting device			1 8718699090838
	Aluminum	Numerator - Quantity Per Pack	
Mounting device	Aluminum Mounting bracket adjustable	Numerator - Quantity Per Pack EAN/UPC - Product/Case	8718699090838
Mounting device Optical cover shape	Aluminum Mounting bracket adjustable Flat	Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	8718699090838 1

ClearFlood

Dimensional drawing





© 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.