



# **ClearFlood**

# BVP650 LED100-4S/740 PSU DX50 ALU

ClearFlood, LED module 10000 lm, LED, Power supply unit (On/Off), Distribution extra wide 50, Aluminum

ClearFlood is a range of floodlights that lets you choose the exact number of lumens you need for your 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 opens up new application possibilities for LEDs. ClearFlood is easy to install and perfect for replacing conventional light-points as it uses the same electrical installation and poles. Selecting the required light output is also straightforward.

#### **Product data**

General Information		
Lamp family code	LED100 [LED module 10000 lm]	
Light source replaceable	Yes	
Number of gear units	1 unit	
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. $^{\ast}$ 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	8,400 lm		
Standard tilt angle posttop	O°		
Standard tilt angle side entry	O°		
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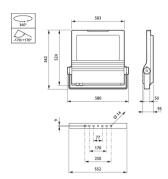
Datasheet, 2023, April 25 data subject to change

## ClearFlood

Correlated Color Tomporature (Nom)	4000 K	Overall height	95 mm
Correlated Color Temperature (Nom)  Luminous Efficacy (rated) (Nom)	149 lm/W	Effective projected area	0.26 m <sup>2</sup>
	70		
Color rendering index (CRI)		Dimensions (Height x Width x Depth)	95 x 580 x 562 mm
Number of light sources	64	Approval and Application	
Light source color	740 neutral white	Approval and Application	IDEC ID
Optical cover type	Flat glass	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminaire light beam spread	86° x 188°	Mech. impact protection code	IK09 [10 J]
Optic type outdoor	Distribution extra wide 50	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
			differential mode and 8 kV common mode
Operating and Electrical		Sustainability rating	Lighting for circularity
Input Voltage	220-240 V	Protection class IEC	Safety class I
Line Frequency	50 to 60 Hz	Photobiological risk	Photobiological risk group 1 @200mm to
Inrush current	53 A		EN62778
Inrush time	0.3 ms		
Power Consumption	57 W	Initial Performance (IEC Compliant)	)
Power Factor (Fraction)	0.98	Luminous flux tolerance	+/-7%
Connection	Connection unit 3-pole	Initial chromaticity	(0.380, 0.390) SDCM <5
Cable	-	Power consumption tolerance	+/-10%
Number of products on MCB of 16 A type	8	Init. Color Rendering Index Tolerance	+/-2
В			
		Over Time Performance (IEC Compl	liant)
Temperature		Control gear failure rate at median useful	10 %
Ambient temperature range	-40 to +50 °C	life 100000 h	
		Lumen maintenance at median useful	L97
Controls and Dimming		life* 100000 h	
Dimmable	No		
Driver/power unit/transformer	Power supply unit (On/Off)	Application Conditions	
Control interface	-	Performance ambient temperature Tq	25 °C
Constant light output	No		
		Product Data	
Mechanical and Housing		Order product name	BVP650 LED100-4S/740 PSU DX50 ALU
Housing Material	Aluminum die cast	Full product name	BVP650 LED100-4S/740 PSU DX50 ALU
Reflector material	-	Full product code	871869909059300
Optic material	Acrylate	Order code	09059300
Optical cover material	Glass	Material Nr. (12NC)	912300023537
Fixation material	Steel	Numerator - Quantity Per Pack	1
Housing Color	Aluminum	EAN/UPC - Product/Case	8718699090593
Mounting device	Mounting bracket adjustable	Numerator - Packs per outer box	1
Optical cover shape	Flat	EAN/UPC - Case	8718699090593
Optical cover finish	Clear		
Overall length	562 mm		
Overall width	580 mm		

### ClearFlood

#### Dimensional drawing





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