



# **ClearFlood**

### BVP650 LED140-4S/740 PSU S ALU

ClearFlood, LED module 14000 lm, LED, Power supply unit (On/Off), Symmetrical, 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	LED140 [LED module 14000 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	12,500 lm	
Standard tilt angle posttop	O°	
Standard tilt angle side entry	O°	

Datasheet, 2023, April 25 data subject to change

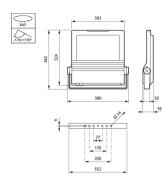
## ClearFlood

Correlated Color Temperature (Nom)	4000 K	Overall height	95
Luminous Efficacy (rated) (Nom)	152 lm/W	Effective projected area	0.2
Color rendering index (CRI)	70	Dimensions (Height x Width x Depth)	95
Number of light sources	82		
Light source color	740 neutral white	Approval and Application	
Optical cover type	Flat glass	Ingress protection code	IP6
Luminaire light beam spread	140° x 70°	Mech. impact protection code	IKO
Optic type outdoor	Symmetrical	Surge Protection (Common/Differential)	Lu
			dif
Operating and Electrical		Sustainability rating	Lig
Input Voltage	220-240 V	Protection class IEC	Sa
Line Frequency	50 to 60 Hz	Photobiological risk	Ph
Inrush current	53 A		ΕN
Inrush time	0.3 ms		
Power Consumption	82 W	Initial Performance (IEC Compliant)	
Power Factor (Fraction)	0.96	Luminous flux tolerance	+/-
Connection	Connection unit 3-pole	Initial chromaticity	(0.
Cable	-	Power consumption tolerance	+/-
Number of products on MCB of 16 A type	4	Init. Color Rendering Index Tolerance	+/-
В			
		Over Time Performance (IEC Complia	ant
Temperature		Control gear failure rate at median useful	10
Ambient temperature range	-40 to +50 °C	life 100000 h	
		Lumen maintenance at median useful	L9
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
Constant light output	No		_
		Product Data	
Mechanical and Housing		Order product name	BV
Housing Material	Aluminum die cast	Full product name	BV
Reflector material	-	Full product code	87
Optic material	Acrylate	Order code	09
Optical cover material	Glass	Material Nr. (12NC)	91
Fixation material	Steel	Numerator - Quantity Per Pack	1
Housing Color	Aluminum	EAN/UPC - Product/Case	87
Mounting device	Mounting bracket adjustable		1
Optical cover shape	Flat		87
Optical cover finish	Clear		_
Overall length	562 mm		
Overall width	580 mm		
Overall Width	200 111111		

Overall height	95 mm
Effective projected area	0.26 m²
Dimensions (Height x Width x Depth)	95 x 580 x 562 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
	differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to
	EN62778
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.390) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compli	ant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L97
life* 100000 h	
Application Conditions	
Application Conditions Performance ambient temperature Tq	25 °C
	25 °C
	25 ℃
Performance ambient temperature Tq	25 °C  BVP650 LED140-4S/740 PSU S ALU
Performance ambient temperature Tq  Product Data	
Performance ambient temperature Tq  Product Data  Order product name	BVP650 LED140-4S/740 PSU S ALU
Performance ambient temperature Tq  Product Data  Order product name  Full product name	BVP650 LED140-4S/740 PSU S ALU BVP650 LED140-4S/740 PSU S ALU
Performance ambient temperature Tq  Product Data  Order product name  Full product name  Full product code	BVP650 LED140-4S/740 PSU S ALU BVP650 LED140-4S/740 PSU S ALU 871869909031900
Performance ambient temperature Tq  Product Data  Order product name  Full product code  Order code	BVP650 LED140-4S/740 PSU S ALU BVP650 LED140-4S/740 PSU S ALU 871869909031900 09031900
Performance ambient temperature Tq  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)	BVP650 LED140-4S/740 PSU S ALU BVP650 LED140-4S/740 PSU S ALU 871869909031900 09031900 912300023509
Performance ambient temperature Tq  Product Data  Order product name  Full product code  Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack	BVP650 LED140-4S/740 PSU S ALU BVP650 LED140-4S/740 PSU S ALU 871869909031900 09031900 912300023509 1

#### ClearFlood

#### Dimensional drawing





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