



ClearFlood

BVP650 LED80-4S/740 PSU S ALU

ClearFlood, LED module 8000 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	LED80 [LED module 8000 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. * At	
	extreme ambient temperatures the luminaire	
	might automatically dim down to protect	
	components	
Light source engine type	LED	
Light source engine type	extreme ambient temperatures the luminaire might automatically dim down to protect components	

Service tag	Yes	
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	7,200 lm	
Standard tilt angle posttop	O°	

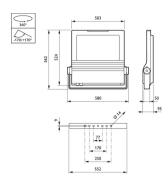
Datasheet, 2023, April 25 data subject to change

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Standard tilt angle side entry		Overall width	580 mm
Correlated Color Temperature (Nom)	4000 K	Overall height	95 mm
Luminous Efficacy (rated) (Nom)	151 lm/W	Effective projected area	0.26 m²
Color rendering index (CRI)	70	Dimensions (Height x Width x Depth)	95 x 580 x 562 mm
Number of light sources	48		
Light source color	740 neutral white	Approval and Application	
Optical cover type	Flat glass	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminaire light beam spread	72° x 22°	Mech. impact protection code	IK09 [10 J]
Optic type outdoor	Symmetrical	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	47 W	Initial Performance (IEC Compliant)	
Power Factor (Fraction)	0.97	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	iant)
Temperature		Over Time Performance (IEC Complete Control gear failure rate at median useful	
Temperature Ambient temperature range	-40 to +50 °C		
•	-40 to +50 °C	Control gear failure rate at median useful	
•	-40 to +50 °C	Control gear failure rate at median useful life 100000 h	10 %
Ambient temperature range	-40 to +50 °C No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	10 %
Ambient temperature range Controls and Dimming		Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	10 %
Ambient temperature range Controls and Dimming Dimmable	No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 %
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	10 % L97
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	No Power supply unit (On/Off)	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	10 % L97
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	No Power supply unit (On/Off)	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	10 % L97
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	No Power supply unit (On/Off)	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data	10 % L97 25 ℃
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	No Power supply unit (On/Off) - No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name	10 % L97 25 ℃ BVP650 LED80-4S/740 PSU S ALU
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	No Power supply unit (On/Off) - No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name	10 % L97 25 °C BVP650 LED80-4S/740 PSU S ALU BVP650 LED80-4S/740 PSU S ALU
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	No Power supply unit (On/Off) - No Aluminum die cast -	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code	10 % L97 25 °C BVP650 LED80-4S/740 PSU S ALU BVP650 LED80-4S/740 PSU S ALU 871869909028900
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	No Power supply unit (On/Off) - No Aluminum die cast - Acrylate	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code	10 % L97 25 °C BVP650 LED80-4S/740 PSU S ALU BVP650 LED80-4S/740 PSU S ALU 871869909028900 09028900
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	No Power supply unit (On/Off) No Aluminum die cast Acrylate Glass	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	10 % L97 25 °C BVP650 LED80-4S/740 PSU S ALU BVP650 LED80-4S/740 PSU S ALU 871869909028900 09028900 912300023506
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	No Power supply unit (On/Off) - No Aluminum die cast - Acrylate Glass Steel	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	10 % L97 25 ℃ BVP650 LED80-4S/740 PSU S ALU BVP650 LED80-4S/740 PSU S ALU 871869909028900 09028900 912300023506 1
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	No Power supply unit (On/Off) - No Aluminum die cast - Acrylate Glass Steel Aluminum	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	10 % L97 25 °C BVP650 LED80-4S/740 PSU S ALU BVP650 LED80-4S/740 PSU S ALU 871869909028900 912300023506 1 8718699090289
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	No Power supply unit (On/Off) - No Aluminum die cast - Acrylate Glass Steel Aluminum Mounting bracket adjustable	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	10 % L97 25 °C BVP650 LED80-4S/740 PSU S ALU BVP650 LED80-4S/740 PSU S ALU 871869909028900 9028900 912300023506 1 8718699090289 1
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape	No Power supply unit (On/Off) - No Aluminum die cast - Acrylate Glass Steel Aluminum Mounting bracket adjustable Flat	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	10 % L97 25 °C BVP650 LED80-4S/740 PSU S ALU BVP650 LED80-4S/740 PSU S ALU 871869909028900 9028900 912300023506 1 8718699090289 1

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Dimensional drawing





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