



# **ClearFlood**

## BVP650 LED300-4S/740 PSU S ALU

ClearFlood, LED module 30000 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	LED300 [LED module 30000 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. $^{\ast}$ 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		
Light Technical Upward light output ratio	0	
	0 26,000 lm	
Upward light output ratio		
Upward light output ratio Luminous Flux	26,000 lm	

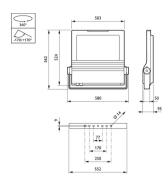
Datasheet, 2023, April 25 data subject to change

### ClearFlood

Dimensions (Height x Width x Depth)   95 x 500 x 562 rm	Correlated Color Temperature (Nom)	4000 K	Overall height	95 mm
Number of light sources   120   14	Luminous Efficacy (rated) (Nom)	147 lm/W	Effective projected area	0.26 m²
Approval and Application   Approval and Application   Ingress protection code   IP-66   Dust penetration-protected, jet-protection   Ingress protection code   IP-66   Dust penetration-protected, jet-protection   IP-66   Dust penetration   IP-66   Dust penetration-protected, jet-protection   IP-66   Dust penetration   IP-66	Color rendering index (CRI)	70	Dimensions (Height x Width x Depth)	95 x 580 x 562 mm
Political cover type	Number of light sources	120		
Luminaire light beam spread         88" x 187"         Mech. impact protection code         IK09 [10 J]           Opice yeoutdoor         Symmetrical         Surge Protection (Common/Differential)         Luminate surge protection level until 6 AV (and the protection of the protection	Light source color	740 neutral white	Approval and Application	
Surge Protection (Common/Differential) Ununivaries surge protection level until 6 IV differential mode and 8 IV common mode Operating and Electrical Input Voltage 200-240 V Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 53 A Protection class IEC Safety class 1 Intrush turner 54 Protection class IEC Safety class 1 Intrush turner 55 A Protection class IEC Safety class 1 Intrush turner 55 A Protection class IEC Safety class 1 Intrush turner 55 A Protection class IEC Safety class 1 Intrush turner 55 A Protection class IEC Safety class 1 Intrush turner 55 A Protection class IEC Safety class 1 Intrush turner 55 A Protection class IEC Safety class 1 Intrush turner 55 A Protection class IEC Safety class 1 Intrush turner 55 A Protection class IEC Safety class II Intrush turner 55 A Protection class IEC Safety class II Intrush turner 55 A Protection class IEC Safety class II Intrush turner 55 A Protection class IEC Safety class II Intrush turner 55 A Protection class IEC Safety class II Intrush turner safety (IEC Compliant) 10 Safety class II 11 Safety class II 12 Safety class II 13 Safety class	Optical cover type	Flat glass	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Operating and Electrical Operating and Electrical Input Voltage 220-240 V Iniput Voltage 50 to 60 H2 Iniput Voltage 50 to 60 H2 Iniput Voltage 50 to 60 H2 Input Voltage 60 H2 Input Voltage 70 to 60 H2	Luminaire light beam spread	88° x 187°	Mech. impact protection code	IK09 [10 J]
Operating and Electrical Input Voltage         220-240 V         Sustainability rating         Lighting for circulariny           Input Voltage         220-240 V         Protection class IEC         Safety class I           Line Frequency         50 to 60 Hz         Photobiological risk         END82778           Inrush time         0.3 ms         Power Factor (Fraction)         Power Factor (Fraction)         0.99         Liminous flux tolerance         √-7%           Coable         - Onnection         Connection         Initial chromaticity         (0.380, 0.390) SDCM <5	Optic type outdoor	Symmetrical	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Protection class IEC   Safety class   1   Chine Frequency   50 to 60 Hz				differential mode and 8 kV common mode
Line Frequency         50 to 60 Hz         Photobiological risk         Photobiological risk group 1 @200mm to 1mush current         53 A         EN62778           Inrush time         0.3 ms         EN62778         EN62778           Power Consumption         178 W         Initial Performance (IEC Compliant)         EN62778           Power Factor (Fraction)         0.99         Luminous flux tolerance         +/-7%           Connection         Connection         Initial Performance (IEC Compliant)         (0.380, 0.390) SDCM <-5	Operating and Electrical		Sustainability rating	Lighting for circularity
Invish current         53 A           Invish time         0.3 ms           Power Consumption         178 W         Initial Performance (IEC Compliant)           Connection         0.99         Luminous flux tolerance         √-7%           Connection         Connection unit 3-pole         Initial Performance (IEC Compliant)         √-0%           Cable         -         Power consumption tolerance         √-10%           Number of products on MCB of 16 At yea         4         Initial Color Rendering Index Tolerance         √-/-0%           Control products on MCB of 16 At yea         4         Power consumption tolerance         √-/-0%           Control products on MCB of 16 At yea         4         Power consumption tolerance         √-/-0%           Control products on MCB of 16 At yea         4         Power consumption tolerance         √-/-0%           Control product conger failure rate at median useful         10 %         Power consumption tolerance         Initial Color Rendering Index Tolerance         10 %           Control stand Dimming         Initial Color Rendering Index Tolerance (IEC Compliant)         10 %         Initial Color Rendering Index Tolerance (IEC Compliant)         10 %         Initial Product Color         Power countrol Internation (IEC Compliant)         Power countrol Internation (IEC	Input Voltage	220-240 V	Protection class IEC	Safety class I
Invisit time	Line Frequency	50 to 60 Hz	Photobiological risk	Photobiological risk group 1 @200mm to
Power Consumption 178 W Power Actor (Fraction) 0.99 Luminous flux tolerance 1/-7% Connection Connection unit 3-pole Initial Chromaticity (0.380, 0.390) SDCM <5 Cable - Power consumption tolerance 1/-10% Number of products on MCB of 16 A type 4 B  Temperature - Control sand Dirming - 40 to +50 °C	Inrush current	53 A		EN62778
Power Factor (Fraction)         0.99         Luminous flux tolerance         +/-7%           Connection         Connection unit 3-pole         Initial chromaticity         (0.380, 0.390) SDCM <5	Inrush time	0.3 ms		
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         4         Init. Color Rendering Index Tolerance         +/-2           B           Cover Time Performance (IEC Compliant)           Cover Time Performance (IEC Compliant)           Control gear failure rate at median useful         10%           Lumen maintenance at median useful         10%	Power Consumption	178 W	Initial Performance (IEC Compliant)	
Cable       - Ower consumption tolerance       4/-10%         Number of products on MCB of 16 A type       4       Init. Color Rendering Index Tolerance       +/-2         B         Over Time Performance (IEC Compliant)         Temperature       Control gear failure rate at median useful 10%         Ambient temperature range       -40 to +50 °C       title 100000 h         Lumen maintenance at median useful 196       196         Control sand Dimming       Lumen maintenance at median useful 196       196         Dimmable       No         Application Conditions         Performance ambient temperature Tq 25 °C         Control interface       Performance ambient temperature Tq 25 °C         Control gear failure rate at median useful 196       Lumen maintenance at median useful 196       Lumen maintenance at median useful 196       Lumen maintenance at median useful 196       Performance maintenance at median useful 196       Perfo	Power Factor (Fraction)	0.99	Luminous flux tolerance	+/-7%
Number of products on MCB of 16 A type B    Init. Color Rendering Index Tolerance	Connection	Connection unit 3-pole	Initial chromaticity	(0.380, 0.390) SDCM <5
B  Cover Time Performance (IEC Compliant)  Temperature  Ambient temperature range  -40 to +50 °C  Itife 100000 h  Lumen maintenance at median useful 10%  Lumen maintenance at median useful 196  Application Conditions  - Product Data  - Pull product code  - Product Data	Cable	-	Power consumption tolerance	+/-10%
Temperature Ambient temperature range 40 to +50 °C  Controls and Dimming Dimmable No Control interface - Constant light output No Control interface - Constant light output No Control interface No	Number of products on MCB of 16 A type	4	Init. Color Rendering Index Tolerance	+/-2
Temperature Ambient temperature range	В			
Ambient temperature range -40 to +50 °C Lumen maintenance at median useful Lumen seful Lumen			Over Time Performance (IEC Compl	iant)
Lumen maintenance at median useful life* 100000 h  Controls and Dimming  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  Housing Material Aluminum die cast Full product name BVP650 LED300-45/740 PSU S ALU  Reflector material - Full product name BVP650 LED300-45/740 PSU S ALU  Reflector material Acrylate Order code 871869909039500  Optic material Steel Material Nr. (12NC) 912300023517  Fixation material Steel Numerator - Quantity Per Pack 1  Housing Color Aluminum  Mounting device Mounting bracket adjustable Optical cover shape Flat  Optical cover finish Clear  Overall length 562 mm	Temperature		Control gear failure rate at median useful	10 %
Controls and Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Application Conditions Performance ambient temperature Tq 25 °C  Constant light output No  Product Data  Mechanical and Housing Housing Material Aluminum die cast Perll product name BVP650 LED300-4\$/740 PSU S ALU  Full product code 871869909039500  Optic material Acrylate Order code O9039500  Optical cover material Steel Material Nr. (12NC) Pill product Code R7186990903950  Material Nr. (12NC) Pill product Code R7186990903950  Material Nr. (12NC) Pill product Code R7186990903950  Material Nr. (12NC) Product Code R718699090395  Mulminum EAN/UPC - Product/Case R718699090395  Numerator - Packs per outer box I EAN/UPC - Case R718699090395	Ambient temperature range	-40 to +50 °C	life 100000 h	
Dimmable Driver/power unit/transformer Power supply unit (On/Off) Performance ambient temperature Tq 25 °C Constant light output No  Mechanical and Housing Housing Material Reflector material Optical cover material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Optical cover finish Optical cover finish Clear Optical cover finish Optical cover finish Clear Optical cover finish Opti			Lumen maintenance at median useful	L96
Application Conditions   Performance ambient temperature Tq   25 °C	Controls and Dimming		life* 100000 h	
Control interface - Performance ambient temperature Tq 25 °C  Constant light output No  Product Data  Order product name BVP650 LED300-45/740 PSU S ALU  Housing Material Aluminum die cast Full product code 871869909039500  Optic material Acrylate Order code 09039500  Optical cover material Glass Material Nr. (12NC) 912300023517  Fixation material Steel Numerator - Quantity Per Pack 1  Housing Color Aluminum EAN/UPC - Product/Case 8718699090395  Mounting device Mounting bracket adjustable Numerator - Packs per outer box 1  EAN/UPC - Case 8718699090395  Fixation material Steel Numerator - Packs per outer box 1  EAN/UPC - Case 8718699090395	Dimmable	No		
Constant light output  No  Product Data  Order product name BVP650 LED300-4S/740 PSU S ALU  Housing Material Aluminum die cast Full product name BVP650 LED300-4S/740 PSU S ALU  Full product name BVP650 LED300-4S/740 PSU S ALU  Full product code 871869909039500  Full product code 871869909039500  Optic material Acrylate Order code Opdical cover material Glass Material Nr. (12NC) 912300023517  Fixation material Steel Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718699090395  Numerator - Packs per outer box 1  EAN/UPC - Case 8718699090395  B718699090395  Clear  Optical cover shape Clear  Optical cover finish Clear	Driver/power unit/transformer	Power supply unit (On/Off)	Application Conditions	
Mechanical and Housing Housing Material Aluminum die cast Reflector material Order product name BVP650 LED300-4S/740 PSU S ALU Full product name BVP650 LED300-4S/740 PSU S ALU Full product code 871869909039500  Optic material Acrylate Order code Optical cover material Glass Material Nr. (12NC) Product Per Pack I Mumerator - Quantity Per Pack I EAN/UPC - Product/Case 8718699090395  Numerator - Packs per outer box I EAN/UPC - Case 8718699090395  Numerator - Packs per outer box I EAN/UPC - Case S718699090395	Control interface	-	Performance ambient temperature Tq	25 ℃
Mechanical and HousingOrder product nameBVP650 LED300-4S/740 PSU S ALUHousing MaterialAluminum die castFull product nameBVP650 LED300-4S/740 PSU S ALUReflector material-Full product code871869909039500Optic materialAcrylateOrder code09039500Optical cover materialGlassMaterial Nr. (12NC)912300023517Fixation materialSteelNumerator - Quantity Per Pack1Housing ColorAluminumEAN/UPC - Product/Case8718699090395Mounting deviceMounting bracket adjustableNumerator - Packs per outer box1Optical cover shapeFlatEAN/UPC - Case8718699090395Optical cover finishClearOverall length562 mm	Constant light output	No		
Housing Material Aluminum die cast  Full product name BVP650 LED300-4S/740 PSU S ALU  Full product code B7186990939500  Optical cover material Optical cover material Steel Material Nr. (12NC) P12300023517  Fixation material Steel Numerator - Quantity Per Pack Funding Color Mounting device Mounting bracket adjustable Optical cover shape Optical cover finish Clear Optical length Fixation material Aluminum Full product code Optical cover name BVP650 LED300-4S/740 PSU S ALU  Full product code Optical code Optical code Optical cover material Full product code Optical code Optical cover finish Full product code Optical code Optical cover finish Full product code Optical code Optical code Optical code S71869909395  Numerator - Packs per outer box I EAN/UPC - Case S71869909395  EAN/UPC - Case S71869909395			Product Data	
Reflector material - Full product code 871869909039500  Optic material Acrylate Order code 09039500  Optical cover material Glass Material Nr. (12NC) 912300023517  Fixation material Steel Numerator - Quantity Per Pack 1  Housing Color Aluminum EAN/UPC - Product/Case 8718699090395  Mounting device Mounting bracket adjustable Numerator - Packs per outer box 1  EAN/UPC - Case 8718699090395  Optical cover shape Flat EAN/UPC - Case 8718699090395  Optical cover finish Clear  Optical length 562 mm	Mechanical and Housing		Order product name	BVP650 LED300-4S/740 PSU S ALU
Optic material Acrylate Order code 09039500 Optical cover material Glass Material Nr. (12NC) 912300023517 Fixation material Steel Numerator - Quantity Per Pack 1 Housing Color Aluminum EAN/UPC - Product/Case 8718699090395 Mounting device Mounting bracket adjustable Optical cover shape Flat EAN/UPC - Case 8718699090395 Optical cover finish Clear Optical length 562 mm	Housing Material	Aluminum die cast	Full product name	BVP650 LED300-4S/740 PSU S ALU
Optical cover material Glass Material Nr. (12NC) 912300023517  Fixation material Steel Numerator - Quantity Per Pack 1  Housing Color Aluminum EAN/UPC - Product/Case 8718699090395  Mounting device Mounting bracket adjustable Numerator - Packs per outer box 1  Optical cover shape Flat EAN/UPC - Case 8718699090395  Optical cover finish Clear  Overall length 562 mm	Reflector material	-	Full product code	871869909039500
Fixation material Steel Numerator - Quantity Per Pack 1  Housing Color Aluminum EAN/UPC - Product/Case 8718699090395  Mounting device Mounting bracket adjustable Numerator - Packs per outer box 1  EAN/UPC - Case 8718699090395  Dytical cover shape Flat EAN/UPC - Case 8718699090395  Optical cover finish Clear  Overall length 562 mm	Optic material	Acrylate	Order code	09039500
Housing Color Aluminum  Mounting device Mounting bracket adjustable Optical cover shape Optical cover finish Oceal length  Aluminum  EAN/UPC - Product/Case Numerator - Packs per outer box 1  EAN/UPC - Case 8718699090395  EAN/UPC - Case 8718699090395	Optical cover material	Glass	Material Nr. (12NC)	912300023517
Mounting device Mounting bracket adjustable Numerator - Packs per outer box 1  Optical cover shape Flat EAN/UPC - Case 8718699090395  Optical cover finish Clear  Overall length 562 mm	Fixation material	Steel	Numerator - Quantity Per Pack	1
Optical cover shape Flat EAN/UPC - Case 8718699090395  Optical cover finish Clear  Overall length 562 mm	Housing Color	Aluminum	EAN/UPC - Product/Case	8718699090395
Optical cover finish Clear Overall length 562 mm	Mounting device	Mounting bracket adjustable	Numerator - Packs per outer box	1
Overall length 562 mm	Optical cover shape	Flat	EAN/UPC - Case	8718699090395
	Optical cover finish	Clear		
Overall width 580 mm	Overall length	562 mm		
	Overall width	580 mm		

#### ClearFlood

#### Dimensional drawing





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