



# **ClearFlood**

# BVP650 LED340-4S/740 PSU DM10 ALU

ClearFlood, LED module 34000 lm, LED, Power supply unit (On/Off), Distribution medium 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	LED340 [LED module 34000 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	
Upward light output ratio	0
Luminous Flux	28,900 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W

Datasheet, 2023, December 6 data subject to change

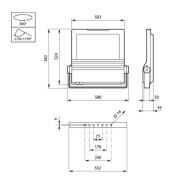
## ClearFlood

Number of light sources  Light source color  740 neutral white  Optical cover type Flat glass  Luminaire light beam spread  72° x 22°  Optic type outdoor  Distribution medium 10  Operating and Electrical Input Voltage 220-240 V  Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms  Power Consumption  Power Factor (Fraction) Connection  Connection  Connection  Connection  Cable  - Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  No  Driver/power unit/transformer  Control interface Constant light output  No  Mechanical and Housing  Housing Material Reflector material Optic material Optical cover material Fixation material Steel Housing Color  Mounting device Optical cover finish Overall length width S60 mm		
Light source color 740 neutral white Optical cover type Flat glass Luminaire light beam spread 72° x 22° Optic type outdoor Distribution medium 10  Operating and Electrical Input Voltage 220-240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 205 W Power Factor (Fraction) 0.99 Connection Connection unit 3-pole Cable - Number of products on MCB of 16 A type B  Temperature Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast Reflector material Glass Fixation material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical length output Glear Overall length Overall length Overall length Overall length Overall length Overall width S80 mm	Color rendering index (CRI)	70
Optical cover type  Luminaire light beam spread  72" × 22"  Optic type outdoor  Distribution medium 10  Operating and Electrical  Input Voltage  220-240 V  Line Frequency  50 to 60 Hz  Inrush current  53 A  Inrush time  0.3 ms  Power Consumption  205 W  Power Factor (Fraction)  Connection  Connection  Connection  Cable  - Number of products on MCB of 16 A type  B  Temperature  Ambient temperature range  -40 to +50 °C  Controls and Dimming  Dimmable  No  Driver/power unit/transformer  Constant light output  No  Mechanical and Housing  Housing Material  Aluminum die cast  Reflector material  Optic alcover material  Fixation material  Mounting Color  Mounting device  Optical cover shape  Oyerall length  Oyerall length  Oyerall length  Oyerall width  Sa0 mm	Number of light sources	120
Durinaire light beam spread  Optic type outdoor  Distribution medium 10  Operating and Electrical Input Voltage  220-240 V  Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 205 W Power Factor (Fraction) Connection Connection Connection Cable - Number of products on MCB of 16 A type B  Temperature Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No  Mechanical and Housing Housing Material Aluminum die cast Reflector material Optic anderial Acrylate Optical cover material Flat Optical cover finish Clear Overall width S80 mm	Light source color	740 neutral white
Operating and Electrical Input Voltage 220-240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 205 W Power Factor (Fraction) 0.99 Connection Connection unit 3-pole Cable - Number of products on MCB of 16 A type B  Temperature Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast Reflector material - Optic material Steel Housing Color Aluminum Mounting device Mounting Housel Flat Optical cover shape Flat Optical cover finish Clear Overall width 562 mm Overall width 562 mm Overall width 562 mm	Optical cover type	Flat glass
Operating and Electrical  Input Voltage 220-240 V  Line Frequency 50 to 60 Hz  Inrush current 53 A  Inrush time 0.3 ms  Power Consumption 205 W  Power Factor (Fraction) 0.99  Connection Connection unit 3-pole  Cable -  Number of products on MCB of 16 A type B  B  Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material - Optic material Steel  Housing Color Aluminum  Mounting device Mounting bit in the first of t	Luminaire light beam spread	72° × 22°
Input Voltage 220-240 V  Line Frequency 50 to 60 Hz  Inrush current 53 A  Inrush time 0.3 ms  Power Consumption 205 W  Power Factor (Fraction) 0.99  Connection Connection unit 3-pole 4  B  Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)  Control interface -  Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material - Optic material Steel  Housing Color Aluminum  Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall width 580 mm	Optic type outdoor	Distribution medium 10
Input Voltage 220-240 V  Line Frequency 50 to 60 Hz  Inrush current 53 A  Inrush time 0.3 ms  Power Consumption 205 W  Power Factor (Fraction) 0.99  Connection Connection unit 3-pole 4  B  Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)  Control interface -  Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material - Optic material Steel  Housing Color Aluminum  Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall width 580 mm		
Line Frequency 50 to 60 Hz  Inrush current 53 A  Inrush time 0.3 ms  Power Consumption 205 W  Power Factor (Fraction) 0.99  Connection Connection unit 3-pole Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface Constant light output No  Mechanical and Housing Housing Material Aluminum die cast  Reflector material Optic material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical Length 562 mm Overall width 580 mm	Operating and Electrical	
Inrush time 0.3 ms Power Consumption 205 W Power Factor (Fraction) 0.99 Connection Connection unit 3-pole Cable - Number of products on MCB of 16 A type B  Temperature Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast Reflector material - Optic material Steel Housing Color Aluminum Mounting device Mounting Housing bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall width 580 mm	Input Voltage	220-240 V
Inrush time 0.3 ms  Power Consumption 205 W  Power Factor (Fraction) 0.99  Connection Connection unit 3-pole  Cable - Number of products on MCB of 16 A type B  Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast  Reflector material - Optic material Steel Housing Color Aluminum  Mounting device Mounting bracket adjustable Optical cover shape Flat Overall length 562 mm  Overall width 580 mm	Line Frequency	50 to 60 Hz
Power Consumption 205 W Power Factor (Fraction) 0.99  Connection Connection unit 3-pole  Cable - Number of products on MCB of 16 A type B  Temperature Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast Reflector material - Optic material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall width 580 mm	Inrush current	53 A
Power Factor (Fraction)  Connection  Connection unit 3-pole  Coble  - Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  -40 to +50 °C  Controls and Dimming  Dimmable  No Driver/power unit/transformer  Control interface  - Constant light output  No  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Housing Color  Aluminum  Mounting device  Mounting bracket adjustable  Optical cover finish  Clear  Overall length  Overall width  562 mm  Control initis 3-pole  Connection unit 3-pole  Connection unit 3-pole  Connection unit 3-pole  Connection unit 3-pole  Auspead  A	Inrush time	0.3 ms
Connection Connection unit 3-pole  Cable  Number of products on MCB of 16 A type 4  B  Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material - Optical cover material Glass  Fixation material Steel  Housing Color Aluminum  Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall length 562 mm  Overall width 580 mm	Power Consumption	205 W
Cable - Number of products on MCB of 16 A type 4 B  Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast  Reflector material - Optical cover material Glass Fixation material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length 562 mm Overall width 580 mm	Power Factor (Fraction)	0.99
Number of products on MCB of 16 A type B  Temperature Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast Reflector material - Optic material Glass Fixation material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length 562 mm Overall width 580 mm	Connection	Connection unit 3-pole
Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material - Optic material Acrylate  Optical cover material Steel  Housing Color Aluminum  Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall length 562 mm  Overall width 580 mm	Cable	-
Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material - Optic material Acrylate  Optical cover material Steel  Housing Color Aluminum  Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall length 562 mm  Overall width 580 mm	Number of products on MCB of 16 A type	4
Ambient temperature range  -40 to +50 °C  Controls and Dimming  Dimmable  No  Driver/power unit/transformer  Power supply unit (On/Off)  Control interface  -  Constant light output  No  Mechanical and Housing  Housing Material  Aluminum die cast  Reflector material  -  Optic material  Optical cover material  Glass  Fixation material  Housing Color  Aluminum  Mounting device  Optical cover shape  Flat  Optical cover finish  Clear  Overall length  562 mm  Overall width  580 mm	В	
Ambient temperature range  -40 to +50 °C  Controls and Dimming  Dimmable  No  Driver/power unit/transformer  Power supply unit (On/Off)  Control interface  -  Constant light output  No  Mechanical and Housing  Housing Material  Aluminum die cast  Reflector material  -  Optic material  Optical cover material  Glass  Fixation material  Housing Color  Aluminum  Mounting device  Optical cover shape  Flat  Optical cover finish  Clear  Overall length  562 mm  Overall width  580 mm		
Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast Reflector material - Optic material Optical cover material Glass Fixation material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length Se0 mm	Temperature	
Dimmable  Driver/power unit/transformer  Power supply unit (On/Off)  Control interface  - Constant light output  No  Mechanical and Housing  Housing Material  Aluminum die cast  Reflector material  - Optic material  Acrylate  Optical cover material  Steel  Housing Color  Aluminum  Mounting device  Mounting bracket adjustable  Optical cover shape  Flat  Optical cover finish  Clear  Overall length  562 mm  Coverall width	Ambient temperature range	-40 to +50 °C
Dimmable  Driver/power unit/transformer  Power supply unit (On/Off)  Control interface  - Constant light output  No  Mechanical and Housing  Housing Material  Aluminum die cast  Reflector material  - Optic material  Acrylate  Optical cover material  Steel  Housing Color  Aluminum  Mounting device  Mounting bracket adjustable  Optical cover shape  Flat  Optical cover finish  Clear  Overall length  562 mm  Coverall width		
Driver/power unit/transformer Power supply unit (On/Off)  Control interface - Constant light output No  Mechanical and Housing  Housing Material Aluminum die cast  Reflector material - Optic material Acrylate  Optical cover material Glass  Fixation material Steel  Housing Color Aluminum  Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall length 562 mm  Overall width 580 mm	Controls and Dimming	
Control interface - Constant light output No  Mechanical and Housing Housing Material Aluminum die cast  Reflector material - Optic material Acrylate Optical cover material Glass Fixation material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length 562 mm Overall width 580 mm	Dimmable	No
Mechanical and Housing  Housing Material Aluminum die cast  Reflector material - Optic material Acrylate  Optical cover material Glass  Fixation material Steel  Housing Color Aluminum  Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall length 562 mm  Overall width 580 mm	Driver/power unit/transformer	Power supply unit (On/Off)
Mechanical and Housing Housing Material Aluminum die cast  Reflector material - Optic material Acrylate Optical cover material Glass Fixation material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length 562 mm Overall width 580 mm	Control interface	-
Housing Material Aluminum die cast  Reflector material - Optic material Acrylate Optical cover material Glass Fixation material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length 562 mm Overall width 580 mm	Constant light output	No
Housing Material Aluminum die cast  Reflector material - Optic material Acrylate Optical cover material Glass Fixation material Steel Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length 562 mm Overall width 580 mm		
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Optical cover material Optical cover material Glass Fixation material Housing Color Aluminum Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length Overall width S80 mm	Housing Material	Aluminum die cast
Optical cover material Glass  Fixation material Steel  Housing Color Aluminum  Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall length 562 mm  Overall width 580 mm	Reflector material	-
Fixation material  Housing Color  Aluminum  Mounting device  Optical cover shape  Optical cover finish  Clear  Overall length  Overall width  S80 mm	Optic material	Acrylate
Housing Color Aluminum  Mounting device Mounting bracket adjustable Optical cover shape Flat Optical cover finish Clear Overall length 562 mm Overall width 580 mm	Optical cover material	Glass
Mounting device Mounting bracket adjustable  Optical cover shape Flat  Optical cover finish Clear  Overall length 562 mm  Overall width 580 mm	Fixation material	Steel
Optical cover shape Flat Optical cover finish Clear Overall length 562 mm Overall width 580 mm	Housing Color	Aluminum
Optical cover finish     Clear       Overall length     562 mm       Overall width     580 mm	Mounting device	Mounting bracket adjustable
Overall length 562 mm Overall width 580 mm	Optical cover shape	Flat
Overall width 580 mm	Optical cover finish	Clear
Overall width 580 mm	Overall length	562 mm
		580 mm
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 life*	L96
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Product Data	
Order product name	BVP650 LED340-4S/740 PSU DM10 ALU
Full product name	BVP650 LED340-4S/740 PSU DM10 ALU
Full product code	871869909116300
Order code	912300023594
Material Nr. (12NC)	912300023594
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699091163
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699091163

### ClearFlood

#### Dimensional drawing





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