



OptiVision LED gen3.5

BVP528 2200/740 BV A35-WB D9 T25 50K

OPTIVISION LED GEN3.5 LARGE - LED module 220000 lm - LED - Power supply unit with DALI interface - Asymmetrical axis angle 32° wide beam - Polycarbonate bowl/cover clear - 5° - 13° \times 120° - DALI - Mounting bracket adjustable

The Philips OptiVision LED gen3.5 floodlighting system provides a complete lighting solution for the simplest through to the most complex area and recreational sports lighting applications. The high-efficiency floodlight comes with a single piece die cast housing, hosting 2 and 3 LED engines respectively, which also function with an external driver box – separate for use at a distance from the floodlight (BV), or prefixed onto the mounting bracket of the floodlight (HGB) for ease of installation and lower initial cost. It meets the highest performance standards, provides outstanding light, quality, uniformity and ensures safety and visual comfort.

Product data

General Information	
Lamp family code	LED2200 [LED module 220000 lm]
Light source color	740 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optical cover/lens type	Polycarbonate bowl/cover clear
Luminaire light beam spread	5° - 13° x 120°
Control interface	DALI
Connection	Connection unit 5-pole
Cable	-
Protection class IEC	Safety class I

Flammability mark	For mounting on normally flammable
	surfaces
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	3 years
Optic type outdoor	Asymmetrical axis angle 32° wide beam
Constant light output	No
Number of products on MCB of 16 A type B	-
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes
Product family code	BVP528 [OPTIVISION LED GEN3.5 LARGE]

Datasheet, 2021, July 20 data subject to change

OptiVision LED gen3.5

Upward light output ratio Standard tilt angle posttop Operating and Electrical Input Voltage Input Voltage Inrush current Inrush current Inrush time Input Voltage Inrush current Inrush time Inrush		
Standard tilt angle posttop Standard tilt angle side entry - Operating and Electrical Input Voltage 100 to 60 Hz Inrush current 200 A Inrush time 20160 ms Power Factor (Min) Operating Material Optical cover/lens material Polycarbonate Optical cover/lens shape Optical cover/lens shape Optical cover/lens finish Overall length Overall length Overall height Fifective projected area Optical and Application Ingress protection code Involved Input Voltage 220-400 V Input Velous Optical cover Velous of the standard of the standard optical cover Velous of the standard optical cover Velous of the standard optical cover Velous optical cove	Light Technical	
Standard tilt angle side entry Operating and Electrical Input Voltage Input Frequency Inrush current Inrush time O.160 ms Power Factor (Min) O.9 Controls and Dimming Dimmable Yes Mechanical and Housing Housing Material Aluminum Reflector material Optic material Optical cover/lens material Polycarbonate Fixation material Aluminum Mounting device Mounting bracket adjustable Optical cover/lens shape Flat Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall width 695 mm Overall height T737 mm Effective projected area O.512 m² Color Aluminum Dimensions (Height x Width x Depth) T37 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IR66 [Dust penetration-protected, jet-proof] Mech. impact protection code IR68 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV		
Operating and Electrical Input Voltage		0°
Input Voltage 220-400 V Input Frequency 50 to 60 Hz Inrush current 20 A Inrush time 0.160 ms Power Factor (Min) 0.9 Controls and Dimming Dimmable Yes Mechanical and Housing Housing Material Aluminum Reflector material - Optic material Polycarbonate Optical cover/lens material Polycarbonate Fixation material Aluminum Mounting device Mounting bracket adjustable Optical cover/lens finish Clear Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall width 695 mm Coverall height 737 mm Effective projected area 0.512 m² Color Aluminum Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code Surge Protection level until 10 kV	Standard tilt angle side entry	-
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Inrush time 0.160 ms Power Factor (Min) 0.9 Controls and Dimming Dimmable Yes Mechanical and Housing Housing Material Aluminum Reflector material - Optic material Polycarbonate Optical cover/lens material Polycarbonate Fixation material Aluminum Mounting device Mounting bracket adjustable Optical cover/lens shape Flat Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area 0.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IRO8 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Input Frequency	50 to 60 Hz
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Mechanical and Housing Housing Material Aluminum Reflector material - Optic material Polycarbonate Optical cover/lens material Aluminum Mounting device Mounting bracket adjustable Optical cover/lens shape Flat Optical cover/lens finish Clear Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area 0.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IKO8 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Power Factor (Min)	0.9
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Housing Material Reflector material Polycarbonate Optical cover/lens material Polycarbonate Fixation material Aluminum Mounting device Optical cover/lens shape Optical cover/lens shape Flat Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area O.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IKO8 [5 J vandal-protected] Surge Protection (Common/Differential)	Dimmable	Yes
Housing Material Reflector material Polycarbonate Optical cover/lens material Polycarbonate Fixation material Aluminum Mounting device Optical cover/lens shape Optical cover/lens shape Flat Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area O.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IKO8 [5 J vandal-protected] Surge Protection (Common/Differential)		
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Optical cover/lens material Polycarbonate Fixation material Aluminum Mounting device Mounting bracket adjustable Optical cover/lens shape Flat Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area 0.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IKO8 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Reflector material	-
Fixation material Mounting device Optical cover/lens shape Flat Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area O.512 m² Color Aluminum Dimensions (Height x Width x Depth) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IKO8 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Optic material	Polycarbonate
Mounting device Optical cover/lens shape Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area Color Aluminum Dimensions (Height x Width x Depth) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Optical cover/lens material	Polycarbonate
Optical cover/lens shape Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area 0.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code Surge Protection (Common/Differential) Surge protection level until 10 kV	Fixation material	Aluminum
Optical cover/lens finish Clear Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area 0.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Mounting device	Mounting bracket adjustable
Overall length 441 mm Overall width 695 mm Overall height 737 mm Effective projected area 0.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Optical cover/lens shape	Flat
Overall width 695 mm Overall height 737 mm Effective projected area 0.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Optical cover/lens finish	Clear
Overall height 737 mm Effective projected area 0.512 m² Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Overall length	441 mm
Effective projected area O.512 m² Color Aluminum Dimensions (Height x Width x Depth) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Overall width	695 mm
Color Aluminum Dimensions (Height x Width x Depth) 737 x 695 x 441 mm (29 x 27.4 x 17.4 in) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Overall height	737 mm
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Approval and Application Ingress protection code	Color	Aluminum
Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Dimensions (Height x Width x Depth)	737 x 695 x 441 mm (29 x 27.4 x 17.4 in)
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proof] Mech. impact protection code IKO8 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Approval and Application	
Mech. impact protection code IKO8 [5 J vandal-protected] Surge Protection (Common/Differential) Surge protection level until 10 kV	Ingress protection code	IP66 [Dust penetration-protected, jet-
Surge Protection (Common/Differential) Surge protection level until 10 kV		proof]
	Mech. impact protection code	IK08 [5 J vandal-protected]
differential mode	Surge Protection (Common/Differential)	Surge protection level until 10 kV
		differential mode

Initial Performance (IEC Compliant)		
Initial luminous flux (system flux)	194714 lm	
Luminous flux tolerance	+/-7%	
Initial LED luminaire efficacy	130 lm/W	
Init. Corr. Color Temperature	4000 K	
Init. Color Rendering Index	>70	
Initial chromaticity	(0.382, 0.379) SDCM <5	
Initial input power	1500 W	
Power consumption tolerance	+/-10%	
Init. Color Rendering Index Tolerance	-2	
Over Time Performance (IEC Compliant)		
Control gear failure rate at median useful	0.5 %	
life 50000 h		
Lumen maintenance at median useful life*	L80	
50000 h		
Application Conditions		
Ambient temperature range	-40 to +55 °C	
Performance ambient temperature Tq	25 °C	
Maximum dim level	10%	
Product Data		
Full product code	871951420090600	
Order product name	BVP528 2200/740 BV A35-WB D9 T25 50k	
EAN/UPC - Product	8719514200906	
Order code	912300024648	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	1	
Material Nr. (12NC)	912300024648	

33.000 kg



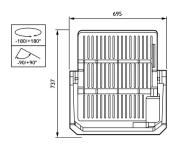


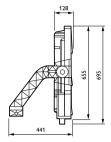
Net Weight (Piece)



OptiVision LED gen3.5

Dimensional drawing





OptiVision LED gen3.5 BVP518/BVP528



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