



OptiVision LED gen3.5

BVP518 1720/740 HGB A35-WB D9 T35 OUT

OptiVision LED gen3.5, Floodlight for sports and area, 1000 W, 149640 lm, 4000 K, CRI70, Asymmetrical, IP66

The 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 pre-fixed 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	LED1720 [LED module 172000 lm]
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Warranty period	5 years

Sustainability rating	Lighting for circularity
Light Technical	
Upward light output ratio	0
Luminous Flux	149,640 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	148 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	5° - 13° x 120°
Optic type outdoor	Asymmetrical
Effective projected area	0.373 m²
Operating and Electrical	
Input Voltage	230–400 V

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Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.160 ms
Power Consumption	1,000 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	2
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode
Total harmonic distortion	16 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Constant light output	No

Mechanical and Housing

Housing Material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	695 mm
Overall width	695 mm
Overall height	445 mm
Dimensions (Height x Width x Depth)	445 x 695 x 695 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Optical cover type	Polycarbonate bowl/cover clear
Net Weight (Piece)	29.000 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +55 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.379) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L90

Product Data

Order product name	BVP518 1720/740 HGB A35-WB D9 T35 OUT
Full product name	BVP518 1720/740 HGB A35-WB D9 T35 OUT
Full product code	872016955319400
Order code	912300060431
Material Nr. (12NC)	912300060431
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169553194
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169553194
Product family code	BVP518 [OPTIVISION LED GEN3.5 SMALL]

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Dimensional drawing

