



# 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		Color rendering index (CRI)	
Lamp family code	LED1720 [LED module 172000 lm]	Color rendering index (CRI)	70
Number of gear units	1 unit	Light source color	740 neutral white
Driver included	Yes	Luminaire light beam spread	5° - 13° x 120°
Light source engine type	LED	Optic type outdoor	Asymmetrical
Service tag	Yes	Effective projected area	0.373 m²
Lighting Technology	LED	Operating and Electrical	
Value ladder	Specification	Input Voltage	230-400 V
Warranty period	5 years	Line Frequency	50 to 60 Hz
Light Technical		Inrush current	20 A
Upward light output ratio	0	Inrush time	0.160 ms
Luminous Flux	149,640 lm	Power Consumption	1,000 W
Correlated Color Temperature (Nom)	4000 K	Power Factor (Fraction)	0.9
Luminous Efficacy (rated) (Nom)	148 lm/W	Connection	Connection unit 5-pole
		Cable	-

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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
DALI Standard	DALI

## 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
FIFA Quality Programme for Floodlights	FIFA Quality Pro

## 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

## Sustainability Data

Sustainability rating	Signify Circle
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
Embedded carbon (A1-A3)	303 kg CO <sub>2e</sub>
Product non-virgin material ratio	48.2 %
Recyclable content ratio of the finished product	51 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kWh)
GWP total B6 (kg CO <sub>2eq</sub> ) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /Lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2eq</sub> / kWh)

## 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	55319400
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

