



OptiVision LED gen3.5

BVP518 1650/730 BV A35-WB D9 T35 OUT LO

OptiVision LED gen3.5, Floodlight for sports and area, 1000 W, 120400 lm, 3000 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		Sustainability rating	
Lamp family code	LED1650 [LED module 165000 lm]	Signify Circle	
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		
		Light Technical	
		Upward light output ratio	0
		Luminous Flux	120,400 lm
		Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	119 lm/W
		Color rendering index (CRI)	70
		Light source color	730 warm 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
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	(0.438, 0.403) 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 1650/730 BV A35-WB D9 T35 OUT LO
Full product name	BVP518 1650/730 BV A35-WB D9 T35 OUT LO
Full product code	872016955322400
Order code	912300060434
Material Nr. (12NC)	912300060434
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169553224
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169553224
Product family code	BVP518 [OPTIVISION LED GEN3.5 SMALL]

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Dimensional drawing

