



OptiVision LED gen3.5

BVP528 2590/740 HGB A35-NB D9 T35

OPTIVISION LED GEN3.5 LARGE - LED module 259000 lm - 740
Neutral white - 230 to 400 V - Asymmetrical

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 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. OptiVision LED offers new possibilities to reduce energy consumption and increase flexibility (instant start, programmable lighting levels) when used in conjunction with Interact Sports lighting management system, dedicatedly designed for recreational and training facilities. The floodlight is also compatible with other external control systems through DALI. Integral louvres are available (LT, LTM, LO) to reduce overspill and glare on projects where an application area has a requirement for additional spill control

Product data

General Information			
Lamp family code	LED2590 [LED module 259000 lm]	Cable	-
Light source color	740 neutral white	Protection class IEC	Safety class I
Light source replaceable	Yes	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	1 unit	CE mark	CE mark
Driver/power unit/transformer	Power supply unit with DALI interface	ENEC mark	ENEC mark
Driver included	Yes	Warranty period	5 years
Optical cover/lens type	Polycarbonate bowl/cover clear	Optic type outdoor	Asymmetrical
Luminaire light beam spread	50° - 16° × 116°	Constant light output	No
Control interface	DALI	Number of products on MCB of 16 A type B	-
Connection	Connection unit 5-pole	EU RoHS compliant	Yes

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Light source engine type	LED
Service tag	Yes
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
Product family code	BVP528 [OPTIVISION LED GEN3.5 LARGE]

Light Technical

Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	-

Operating and Electrical

Input Voltage	230 to 400 V
Input Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.160 ms
Power Factor (Min)	0.95

Controls and Dimming

Dimmable	Yes
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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	695 mm
Overall diameter	737 mm
Effective projected area	0.512 m²
Color	Aluminum
Dimensions (Height x Width x Depth)	695 x 695 x 441 mm (27.4 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 differential mode

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	223000 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	149lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial chromaticity	(0.367, 0.358) SDCM<5
Initial input power	1500 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	10 %
Useful life L80B10	50000 h
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

Ambient temperature range	-40 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	10%

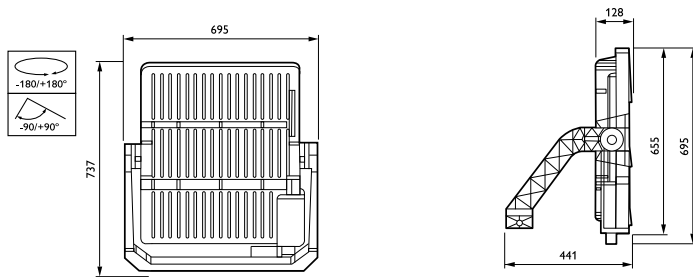
Product Data

Full product code	BVP528i
Order product name	BVP528 2590/740 HGB A35-NB D9 T35
EAN/UPC - Product	n/a
Order code	BVP528i
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	n/a
Net Weight (Piece)	33.00 kg



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Dimensional drawing



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