



# OptiVision LED gen3 – Smart area and recreational sports lighting

## OptiVision LED gen3

The Philips OptiVision LED gen3 floodlighting system provides a complete lighting solution for the simplest 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.

### Benefits

- The wide range of optics ensure maximum optical efficiency and enables highly precise light distribution with minimum spill light
- 0-tilt allows for low sCx value for projects that want to re-use installed pole structures to minimise the required investment. 0 tilt option further increases comfort and minimises complaints on light trespass from residents
- When combined with Philips controls or the Interact Sports lighting management system, the floodlight enables additional energy savings (up to 65%) in different area lighting applications
- Equipped with a service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

### Features

- Single piece pressure die cast housing, with a protection level of IP66 against dust and water
- Wide range of ambient temperature tolerance making it suitable for a variety of sports applications
- Option to add additional accessories to have the best-in-class spill light, 0 tilt, glare and up-light control
- Single high-power driver with IP66 protection pressure die cast housing and 10 kV surge protection
- Programmable DALI Driver, making it suitable to connect to lighting management systems like Interact Sports

### Application

- Logistics areas (Ports)
- Apron lighting (Airports), Parking and Industrial areas
- Recreational sports lighting applications (Football, Hockey, Basketball, Golf, Tennis, etc)

### Specifications

<b>Ambient Temperature</b>	-40 to +50 °C
<b>Beam spread luminaire</b>	50° - 16° × 116°, 70° - 54° × 112°
<b>Dimming</b>	Yes
<b>Driver</b>	Power supply unit with DALI interface (PSD)
<b>Initial correlated colour temperature</b>	5700 K 4,000, 5,700 K
<b>Initial input power</b>	1415 W, 945 W
<b>Initial luminous flux</b>	93000, 161000 lm
<b>Input frequency</b>	50 to 60 Hz
<b>Input voltage</b>	230 to 400 V
<b>Inrush current (A)</b>	20 A
<b>Light source colour</b>	757 cool white

<b>Material</b>	Gear box: Pressure die-cast housing
<b>Material</b>	Housing: aluminium
<b>Optical cover</b>	Polycarbonate Polycarbonate
<b>Remarks</b>	Driver box EVP500 is ordered together with a floodlight (BVP517/527), either pre-fitted on a bracket (HGB) or as a separate (BV) version. The floodlight and driver box are delivered inside the same packaging as a complete set.
<b>Type</b>	BVP517 BVP527 BVP517 BVP527

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## Versions



### Application Conditions

Maximum dim level	10%
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### Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Surge protection level up to 10 kV differential mode

### Controls and Dimming

Dimmable	Yes
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### General Information

CE mark	CE mark
Light source colour	757 cool white
Optical cover/lens type	PCC
Driver included	Yes
Flammability mark	F
Light source replaceable	Yes
Number of gear units	1 unit
Optic type	Asymmetrical

### Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature	5700 K
Init. Colour Rendering Index	>70

### Light Technical

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

### Mechanical and Housing

Colour	Aluminium
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### General Information

Order Code	Full Product Name	Luminaire light beam spread	Lamp family code	Product Family Code
912300024306	BVP527 2030/757 BV A35-WB D9 T25 100K	50° - 16° × 116°	LED2040	BVP527
912300024318	BVP517 1360/757 BV A65-WB T25 D9 100K	70° - 54° × 112°	LED1360	BVP517

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux	Order Code	Full Product Name	Initial luminous flux
912300024306	BVP527 2030/757 BV A35-WB D9 T25 100K	161000 lm	912300024318	BVP517 1360/757 BV A65-WB T25 D9 100K	93000 lm

