



# 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 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.

## 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 minimize required investment. 0 tilt option further increases comfort and minimizes complaints on light trespass from residents
- When combined with Philips controls or Interact Sports lighting management system, the floodlight enables additional energy savings (up to 65%) in different area lighting applications
- Equipped with 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 10kV 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 +45 °C
	-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>Driver failure rate at 5000 h in %</b>	0.15% per 5000 hours
<b>Initial correlated color temperature</b>	4000 K, 5700 K
<b>Initial input power</b>	1051 W, 945 W
<b>Initial luminous flux</b>	89000, 91000, 93000, 103000, 107000, 109000, 113000 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 color</b>	740 neutral white, 757 cool white
<b>Material</b>	Gear box: Pressure Die cast housing
<b>Material</b>	Housing: aluminum
<b>Optical cover</b>	Polycarbonate
	Polycarbonate
<b>Remarks</b>	Driver box EVP500 is ordered together with floodlight (BVP517/527) either pre-fitted on bracket (HGB) or Separate (BV) version.  Floodlight and driver box are delivered inside the same packing as a complete set.
<b>Type</b>	BVP517
	BVP517 BVP527

# OptiVision LED gen3

## Versions



OptiVision LED gen3, BVP517 floodlight with 2 light Engine version with separate driver box, Grey housing



OptiVision LED gen3, BVP517 floodlight with 2 light Engine version with integral driver box, Grey housing

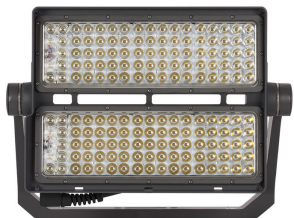
## Product details



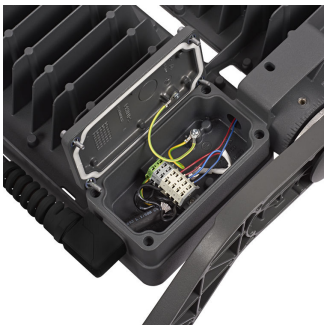
Side View of BVP517 floodlight (BV : With External Driver Box, Grey painted housing)



Rear View of BVP517 floodlight (BV : With External Driver Box, Grey painted housing)



Front View of BVP517 floodlight (Grey painted housing)



Electrical Connection box of BVP517 floodlight with cable gland and push-in terminals enabling electrical connection to driver box (Grey painted housing)



Side View of BVP517 floodlight (HGB : With attached Driver Box, Grey painted housing, Al Colour Driver housing)



Rear View of BVP517 floodlight (HGB : With attached Driver Box, Grey painted housing, Al Colour Driver housing)

## 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 until 10 kV differential mode

## Controls and Dimming

Dimmable	Yes
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## General Information

CE mark	CE mark
Optical cover/lens type	PCC
Driver included	Yes
Flammability mark	F
Light source replaceable	Yes
Number of gear units	1 unit
Optic type	Asymmetrical
Product Family Code	BVP517
Service tag	Yes

## Initial Performance (IEC Compliant)

Init. Color Rendering Index	>70
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## Light Technical

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

## Mechanical and Housing

Color	Aluminum
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## General Information

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family code
86747800	BVP517 1470/757 BV A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED1470
86749200	BVP517 1410/740 BV A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED1410
86755300	BVP517 1360/757 BV A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED1360
86757700	BVP517 1310/740 BV A35-WB D9 T25 100K	50° - 16° × 116°	740 neutral white	LED1310
86763800	BVP517 1360/757 BV A65-WB T25 D9 100K	70° - 54° × 112°	757 cool white	LED1360
86765200	BVP517 1310/740 BV A65-WB T25 D9 100K	70° - 54° × 112°	740 neutral white	LED1310
87276200	BVP517 1410/740 BV A35-WB D9 T20 LO	50° - 16° × 116°	740 neutral white	LED1410
86748500	BVP517 1470/757 HGB A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED1470
86750800	BVP517 1410/740 HGB A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED1410
86756000	BVP517 1360/757 HGB A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED1360
86758400	BVP517 1310/740 HGB A35-WB D9 T25 100K	50° - 16° × 116°	740 neutral white	LED1310
86764500	BVP517 1360/757 HGB A65-WB T25 D9 100K	70° - 54° × 112°	757 cool white	LED1360
86766900	BVP517 1310/740 HGB A65-WB T25 D9 100K	70° - 54° × 112°	740 neutral white	LED1310

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux	Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
86747800	BVP517 1470/757 BV A35-WB D9 T25 50K	5700 K	113000 lm	86748500	BVP517 1470/757 HGB A35-WB D9 T25 50K	5700 K	113000 lm
86749200	BVP517 1410/740 BV A35-WB D9 T25 50K	4000 K	109000 lm	86750800	BVP517 1410/740 HGB A35-WB D9 T25 50K	4000 K	109000 lm
86755300	BVP517 1360/757 BV A35-WB D9 T25 100K	5700 K	107000 lm	86756000	BVP517 1360/757 HGB A35-WB D9 T25 100K	5700 K	107000 lm
86757700	BVP517 1310/740 BV A35-WB D9 T25 100K	4000 K	103000 lm	86758400	BVP517 1310/740 HGB A35-WB D9 T25 100K	4000 K	103000 lm
86763800	BVP517 1360/757 BV A65-WB T25 D9 100K	5700 K	93000 lm	86764500	BVP517 1360/757 HGB A65-WB T25 D9 100K	5700 K	93000 lm
86765200	BVP517 1310/740 BV A65-WB T25 D9 100K	4000 K	89000 lm	86766900	BVP517 1310/740 HGB A65-WB T25 D9 100K	4000 K	89000 lm
87276200	BVP517 1410/740 BV A35-WB D9 T20 LO	4000 K	91000 lm				

