



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

Ambient Temperature	-40 to +45 °C
	-40 to +50 °C
Beam spread luminaire	38° - 21° × 96°, 50° - 16° × 116°, 70° - 54° × 112°
Dimming	Yes
Driver	Power supply unit with DALI interface (PSD)
Initial correlated colour temperature	4000 K, 5700 K
Initial input power	1051 W, 1415 W, 1500 W, 1580 W, 945 W
Initial luminous flux	89000, 91000, 93000, 103000, 107000, 109000, 111000, 113000, 136000, 142000, 142200, 155000, 161000, 163000, 170000 lm
Input frequency	50 to 60 Hz
Input voltage	230 to 400 V
Inrush current (A)	20 A

Light source colour	740 neutral white, 757 cool white
Material	Gear box: Pressure die-cast housing
Material	Housing: aluminum
Optical cover	Polycarbonate
	Polycarbonate
Remarks	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.
Type	BVP517
	BVP527
	BVP517 BVP527

Versions



Product details



Front View of BVP527 floodlight
(Grey painted housing)



Electrical Connection box of
BVP527 floodlight with cable gland
and push-in terminals enabling
electrical connection to driver box
(Grey painted housing)



Side View of BVP527 floodlight
(BV : With External Driver Box,
Grey painted housing)



Rear View of BVP527 floodlight
(BV : With External Driver Box,
Grey painted housing)



Access Bolt to AIM the BVP527
floodlight easily (Grey painted
housing)



Side View of BVP527 floodlight
(HGB : With attached Driver Box,
Grey painted housing, Al Colour
Driver housing)

Product details



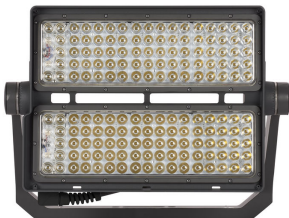
Rear View of BVP527 floodlight
(HGB : With attached Driver Box,
Grey painted housing, Al Colour
Driver housing)



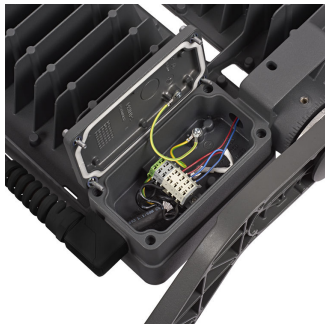
Side View of BVP517 floodlight
(BV : With External Driver Box,
Grey painted housing)



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 up to 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

Initial Performance (IEC Compliant)

Init. Colour 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

Colour	Aluminum
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General Information

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Lamp family code	Product Family Code
86743000	BVP527 2210/757 BV A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED2210	BVP527
86745400	BVP527 2120/740 BV A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED2120	BVP527
86751500	BVP527 2030/757 BV A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED2040	BVP527
86753900	BVP527 1960/740 BV A35-WB D9 T25 100K	50° - 16° × 116°	740 neutral white	LED1960	BVP527
86759100	BVP527 2030/757 BV A65-WB T25 D9 100K	70° - 54° × 112°	757 cool white	LED2030	BVP527
86761400	BVP527 1960/740 BV A65-WB T25 D9 100K	70° - 54° × 112°	740 neutral white	LED1960	BVP527
87274800	BVP527 2120/740 BV A35-WB D9 T20 LO	50° - 16° × 116°	740 neutral white	LED2120	BVP527
87275500	BVP527 2120/740 BV A35-NB D9 T20 LO	38° - 21° × 96°	740 neutral white	LED2120	BVP527
86744700	BVP527 2210/757 HGB A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED2210	BVP527
86746100	BVP527 2120/740 HGB A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED2120	BVP527
86752200	BVP527 2030/757 HGB A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED2040	BVP527
86754600	BVP527 1960/740 HGB A35-WB D9 T25 100K	50° - 16° × 116°	740 neutral white	LED1960	BVP527
86760700	BVP527 2030/757 HGB A65-WB T25 D9 100K	70° - 54° × 112°	757 cool white	LED2030	BVP527
86762100	BVP527 1960/740 HGB A65-WB T25 D9 100K	70° - 54° × 112°	740 neutral white	LED1960	BVP527
86747800	BVP517 1470/757 BV A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED1470	BVP517
86749200	BVP517 1410/740 BV A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED1410	BVP517
86755300	BVP517 1360/757 BV A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED1360	BVP517
86757700	BVP517 1310/740 BV A35-WB D9 T25 100K	50° - 16° × 116°	740 neutral white	LED1310	BVP517
86763800	BVP517 1360/757 BV A65-WB T25 D9 100K	70° - 54° × 112°	757 cool white	LED1360	BVP517
86765200	BVP517 1310/740 BV A65-WB T25 D9 100K	70° - 54° × 112°	740 neutral white	LED1310	BVP517
87276200	BVP517 1410/740 BV A35-WB D9 T20 LO	50° - 16° × 116°	740 neutral white	LED1410	BVP517
86748500	BVP517 1470/757 HGB A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED1470	BVP517
86750800	BVP517 1410/740 HGB A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED1410	BVP517
86756000	BVP517 1360/757 HGB A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED1360	BVP517

Order Code	Full Product Name	Luminaire light beam	Light source	Lamp	Product
		spread	colour	family code	Family Code
86758400	BVP517 1310/740 HGB A35-WB D9 T25 100K	50° - 16° × 116°	740 neutral white	LED1310	BVP517
86764500	BVP517 1360/757 HGB A65-WB T25 D9 100K	70° - 54° × 112°	757 cool white	LED1360	BVP517
86766900	BVP517 1310/740 HGB A65-WB T25 D9 100K	70° - 54° × 112°	740 neutral white	LED1310	BVP517

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux	Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux
86743000	BVP527 2210/757 BV A35-WB D9 T25 50K	5700 K	170000 lm	86747800	BVP517 1470/757 BV A35-WB D9 T25 50K	5700 K	113000 lm
86745400	BVP527 2120/740 BV A35-WB D9 T25 50K	4000 K	163000 lm	86749200	BVP517 1410/740 BV A35-WB D9 T25 50K	4000 K	109000 lm
86751500	BVP527 2030/757 BV A35-WB D9 T25 100K	5700 K	161000 lm	86755300	BVP517 1360/757 BV A35-WB D9 T25 100K	5700 K	107000 lm
86753900	BVP527 1960/740 BV A35-WB D9 T25 100K	4000 K	155000 lm	86757700	BVP517 1310/740 BV A35-WB D9 T25 100K	4000 K	103000 lm
86759100	BVP527 2030/757 BV A65-WB T25 D9 100K	5700 K	142000 lm	86763800	BVP517 1360/757 BV A65-WB T25 D9 100K	5700 K	93000 lm
86761400	BVP527 1960/740 BV A65-WB T25 D9 100K	4000 K	142200 lm	86765200	BVP517 1310/740 BV A65-WB T25 D9 100K	4000 K	89000 lm
87274800	BVP527 2120/740 BV A35-WB D9 T20 LO	4000 K	136000 lm	87276200	BVP517 1410/740 BV A35-WB D9 T20 LO	4000 K	91000 lm
87275500	BVP527 2120/740 BV A35-NB D9 T20 LO	4000 K	111000 lm	86748500	BVP517 1470/757 HGB A35-WB D9 T25 50K	5700 K	113000 lm
86744700	BVP527 2210/757 HGB A35-WB D9 T25 50K	5700 K	170000 lm	86750800	BVP517 1410/740 HGB A35-WB D9 T25 50K	4000 K	109000 lm
86746100	BVP527 2120/740 HGB A35-WB D9 T25 50K	4000 K	163000 lm	86756000	BVP517 1360/757 HGB A35-WB D9 T25 100K	5700 K	107000 lm
86752200	BVP527 2030/757 HGB A35-WB D9 T25 100K	5700 K	161000 lm	86758400	BVP517 1310/740 HGB A35-WB D9 T25 100K	4000 K	103000 lm
86754600	BVP527 1960/740 HGB A35-WB D9 T25 100K	4000 K	155000 lm	86764500	BVP517 1360/757 HGB A65-WB T25 D9 100K	5700 K	93000 lm
86760700	BVP527 2030/757 HGB A65-WB T25 D9 100K	5700 K	142000 lm	86766900	BVP517 1310/740 HGB A65-WB T25 D9 100K	4000 K	89000 lm
86762100	BVP527 1960/740 HGB A65-WB T25 D9 100K	4000 K	142200 lm				

