



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

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 (Power supply unit with DALI interface)
Driver failure rate at 5000 h in %	0.15% per 5000 hours
Initial correlated color temperature	4000 K, 5700 K 4000, 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 color	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 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.
Type	BVP517 BVP527 BVP517 BVP527

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Versions



OptiVision LED gen3, BVP527 floodlight with 3 light Engine version with separate driver box, Grey housing



OptiVision LED gen3, BVP527 floodlight with 3 light Engine version with integral driver box, Grey housing



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

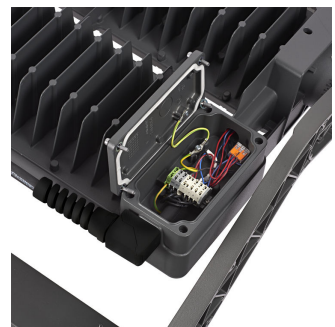


OptiVision LED gen3, BVP517 floodlight with 2 light Engine version with integral driver box, Grey housing

Product details



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)

Product details



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)



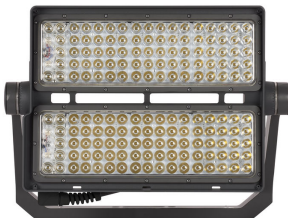
Rear View of BVP527 floodlight (HGB : With attached Driver Box, Grey painted housing, Al Colour Driver housing)



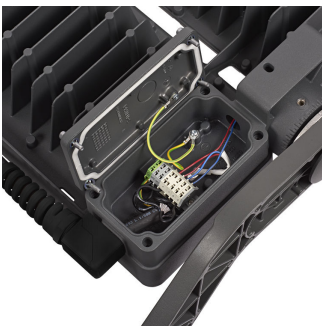
Side View of BVP517 floodlight (BV : With External Driver Box, Grey painted housing)



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)

Product details



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	Polycarbonate bowl/cover clear
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	Yes
Number of gear units	1 unit
Optic type	Asymmetrical
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	Product Family Code
912300024297	BVP527 2210/757 BV A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED2210	BVP527
912300024299	BVP527 2120/740 BV A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED2120	BVP527
912300024306	BVP527 2030/757 BV A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED2040	BVP527
912300024308	BVP527 1960/740 BV A35-WB D9 T25 100K	50° - 16° × 116°	740 neutral white	LED1960	BVP527
912300024314	BVP527 2030/757 BV A65-WB T25 D9 100K	70° - 54° × 112°	757 cool white	LED2030	BVP527
912300024316	BVP527 1960/740 BV A65-WB T25 D9 100K	70° - 54° × 112°	740 neutral white	LED1960	BVP527
912300024330	BVP527 2120/740 BV A35-WB D9 T20 LO	50° - 16° × 116°	740 neutral white	LED2120	BVP527
912300024331	BVP527 2120/740 BV A35-NB D9 T20 LO	38° - 21° × 96°	740 neutral white	LED2120	BVP527
912300024298	BVP527 2210/757 HGB A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED2210	BVP527
912300024301	BVP527 2120/740 HGB A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED2120	BVP527
912300024307	BVP527 2030/757 HGB A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED2040	BVP527
912300024309	BVP527 1960/740 HGB A35-WB D9 T25 100K	50° - 16° × 116°	740 neutral white	LED1960	BVP527
912300024315	BVP527 2030/757 HGB A65-WB T25 D9 100K	70° - 54° × 112°	757 cool white	LED2030	BVP527
912300024317	BVP527 1960/740 HGB A65-WB T25 D9 100K	70° - 54° × 112°	740 neutral white	LED1960	BVP527
912300024302	BVP517 1470/757 BV A35-WB D9 T25 50K	50° - 16° × 116°	757 cool white	LED1470	BVP517
912300024304	BVP517 1410/740 BV A35-WB D9 T25 50K	50° - 16° × 116°	740 neutral white	LED1410	BVP517
912300024310	BVP517 1360/757 BV A35-WB D9 T25 100K	50° - 16° × 116°	757 cool white	LED1360	BVP517

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family code	Product
					Family Code
912300024312	BVP517 1310/740 BV A35-WB D9 T25 100K	50° - 16° x 116°	740 neutral white	LED1310	BVP517
912300024318	BVP517 1360/757 BV A65-WB T25 D9 100K	70° - 54° x 112°	757 cool white	LED1360	BVP517
912300024320	BVP517 1310/740 BV A65-WB T25 D9 100K	70° - 54° x 112°	740 neutral white	LED1310	BVP517
912300024332	BVP517 1410/740 BV A35-WB D9 T20 LO	50° - 16° x 116°	740 neutral white	LED1410	BVP517
912300024303	BVP517 1470/757 HGB A35-WB D9 T25 50K	50° - 16° x 116°	757 cool white	LED1470	BVP517
912300024305	BVP517 1410/740 HGB A35-WB D9 T25 50K	50° - 16° x 116°	740 neutral white	LED1410	BVP517
912300024311	BVP517 1360/757 HGB A35-WB D9 T25 100K	50° - 16° x 116°	757 cool white	LED1360	BVP517
912300024313	BVP517 1310/740 HGB A35-WB D9 T25 100K	50° - 16° x 116°	740 neutral white	LED1310	BVP517
912300024319	BVP517 1360/757 HGB A65-WB T25 D9 100K	70° - 54° x 112°	757 cool white	LED1360	BVP517
912300024321	BVP517 1310/740 HGB A65-WB T25 D9 100K	70° - 54° x 112°	740 neutral white	LED1310	BVP517

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
912300024297	BVP527 2210/757 BV A35-WB D9 T25 50K	5700 K	170000 lm	912300024315	BVP527 2030/757 HGB A65-WB T25 D9 100K	5700 K	142000 lm
912300024299	BVP527 2120/740 BV A35-WB D9 T25 50K	4000 K	163000 lm	912300024317	BVP527 1960/740 HGB A65-WB T25 D9 100K	4000 K	142200 lm
912300024306	BVP527 2030/757 BV A35-WB D9 T25 100K	5700 K	161000 lm	912300024302	BVP517 1470/757 BV A35-WB D9 T25 50K	5700 K	113000 lm
912300024308	BVP527 1960/740 BV A35-WB D9 T25 100K	4000 K	155000 lm	912300024304	BVP517 1410/740 BV A35-WB D9 T25 50K	4000 K	109000 lm
912300024314	BVP527 2030/757 BV A65-WB T25 D9 100K	5700 K	142000 lm	912300024310	BVP517 1360/757 BV A35-WB D9 T25 100K	5700 K	107000 lm
912300024316	BVP527 1960/740 BV A65-WB T25 D9 100K	4000 K	142200 lm	912300024312	BVP517 1310/740 BV A35-WB D9 T25 100K	4000 K	103000 lm
912300024330	BVP527 2120/740 BV A35-WB D9 T20 LO	4000 K	136000 lm	912300024318	BVP517 1360/757 BV A65-WB T25 D9 100K	5700 K	93000 lm
912300024331	BVP527 2120/740 BV A35-WB D9 T20 LO	4000 K	111000 lm	912300024320	BVP517 1310/740 BV A65-WB T25 D9 100K	4000 K	89000 lm
912300024298	BVP527 2210/757 HGB A35-WB D9 T25 50K	5700 K	170000 lm	912300024332	BVP517 1410/740 BV A35-WB D9 T20 LO	4000 K	91000 lm
912300024301	BVP527 2120/740 HGB A35-WB D9 T25 50K	4000 K	163000 lm	912300024303	BVP517 1470/757 HGB A35-WB D9 T25 50K	5700 K	113000 lm
912300024307	BVP527 2030/757 HGB A35-WB D9 T25 100K	5700 K	161000 lm	912300024305	BVP517 1410/740 HGB A35-WB D9 T25 50K	4000 K	109000 lm
912300024309	BVP527 1960/740 HGB A35-WB D9 T25 100K	4000 K	155000 lm	912300024311	BVP517 1360/757 HGB A35-WB D9 T25 100K	5700 K	107000 lm

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Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
912300024313	BVP517 1310/740 HGB A35-WB D9 T25 100K	4000 K	103000 lm
912300024319	BVP517 1360/757 HGB A65-WB T25 D9 100K	5700 K	93000 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
912300024321	BVP517 1310/740 HGB A65-WB T25 D9 100K	4000 K	89000 lm

