



# OptiVision LED gen2 – a new era in smart area and recreational sports lighting

## OptiVision LED gen2

The Philips OptiVision LED gen2 floodlighting system provides a complete lighting solution for the simplest through to the most complex area and recreational sports lighting applications. The high-efficiency floodlights come with three or two LED light modules, which 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. They meet the highest performance standards, provide outstanding light quality, and ensure safety and visual comfort. OptiVision LED gen2 offers new possibilities to reduce energy consumption and increase flexibility (instant start, programmable lighting levels) when used in conjunction with Philips' advanced system controls and sensors. The floodlights are also compatible with other external control systems via DALI protocol.

### Benefits

- Innovative floodlight with dedicated optics that ensure maximum optical efficiency and enable accurate light distribution with a minimum of spill light
- Advanced Philips system controls and sensors enable additional energy savings (up to 65%) in area lighting applications
- Minimized maintenance costs thanks to long-lasting LEDs and the luminaire's thermal management system, as well as its reliable IP66 driver box

# OptiVision LED gen2

## Features

- Precisely controlled light distribution – symmetrical and asymmetrical – limits light pollution
- Light can be dimmed/controlled according to actual need, significantly reducing energy costs
- Pre-programmed basic plug & play control solutions with integrated driver
- Fully controllable when combined with the latest lighting control systems to enable maximum energy savings
- Single-unit floodlight version (HGB) with integrated driver box for ease of installation and lower installation cost

## Application

- Logistics areas
- Parking areas
- Industrial areas
- Recreational sports pitch lighting

## Specifications

<b>Aiming possibilities from the horizontal</b>	to °
<b>Aiming possibilities from the vertical</b>	to °
<b>Ambient Temperature</b>	-40 to +45 °C
<b>Beam spread luminaire</b>	10° - 5° x 75°, 18° - 7° x 119°, 90° x 136°
<b>Main color of the Luminaire</b>	Aluminum
<b>Connection</b>	Push-in connector and pull relief (Push-in connector and pull relief)
<b>Dimming</b>	Yes
<b>Driver</b>	Power supply unit with DALI interface external (Power supply unit with DALI interface external)
<b>Driver failure rate at 5000 h in %</b>	0.5 %
<b>Initial correlated color temperature</b>	4000, 5700 K
<b>Initial input power</b>	878, 981, 1314, 1471 W
<b>Initial LED luminaire efficacy</b>	103, 104, 109, 112 lm/W
<b>Initial luminous flux</b>	102000, 120000, 124000, 152000, 180000, 186000 lm

<b>Input frequency</b>	50 Hz
<b>Input voltage</b>	230, 380-400, 380/400 V
<b>Inrush current (A)</b>	30 A
<b>Light source color</b>	740 neutral white, 757 cool white
<b>Light source replaceable</b>	Yes
<b>Material</b>	Bracket:
<b>Material</b>	Gear box:
<b>Material</b>	Housing: aluminum
<b>Material</b>	Reflector: polycarbonate
<b>Material other1</b>	:
<b>Material other2</b>	:
<b>Optical cover</b>	Polycarbonate
<b>Remarks</b>	Driver box EVP500 is ordered together with floodlight (BVP515/525) either in pre-fitted (HGB) or separate (BV) version. Floodlight and driver box are delivered inside the same packaging as a complete set. Driver box of BV version contains a suspension kit with its fixing parts, if needed.
<b>Type</b>	BVP515 BVP525

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## Versions



ArenaVision LED gen2 BVP525 floodlighting luminaire, 3-light module version with separate driver box



ArenaVision LED gen2 BVP525 floodlighting luminaire, 3-light module version with integral driver box



ArenaVision LED gen2 BVP515 floodlighting luminaire, 2-light module version with separate driver box



ArenaVision LED gen2 BVP515 floodlighting luminaire, 2-light module version with integral driver box

## Product details



Front view of BVP525 floodlight (BV: version with external driver box)



Rear view of BVP525 floodlight (BV: version with external driver box)



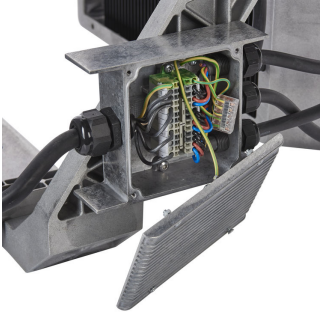
Left side view of BVP525 floodlight (BV: version with external driver box)



Rear view of BVP525 floodlight (BV: version with external driver box)

# OptiVision LED gen2

## Product details



Electrical connection box of floodlight contains cable glands and push-in terminals enabling electrical connection to driver box.



The end-caps can be easily opened to access the bolts to aim the floodlight; the slot-hole in the bracket facilitates flexible installation.



Electrical compartment of driver box contains cable glands for cable entries and push-in terminals for mains and control inputs.



Front view of BVP525 floodlight (HGB: version with driver box attached)



Rear view of BVP525 floodlight (HGB: version with driver box attached)



Left side view of BVP525 floodlight (HGB: version with driver box attached)



Rear view of BVP525 floodlight (HGB: version with driver box attached)



Rear view of BVP515 floodlight (BV: version with external driver box)

# OptiVision LED gen2

## Product details



Left side view of BVP515 floodlight  
(BV: version with external driver box)



Rear view of BVP515 floodlight (BV:  
version with external driver box)



Front view of BVP515 floodlight (BV:  
version with external driver box)



Rear view of BVP515 floodlight (HGB:  
version with driver box attached)



Left side view of BVP515 floodlight  
(HGB: version with driver box  
attached)



Rear view of BVP515 floodlight (HGB:  
version with driver box attached)

## Accessories



Precision aiming device  
Ordercode 910503910039



Louver  
Ordercode 912300022588,  
912300022990

## Accessories



Louver

Ordercode 912300022989

### Application Conditions

Maximum dim level	10%
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### Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 10 kV common mode

### Controls and Dimming

Dimmable	Yes
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### General Information

CE mark	CE mark
Optical cover/lens type	Polycarbonate bowl/cover
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	-
Lamp family code	LED-HB
Light source replaceable	Yes
Number of gear units	1 unit

### Initial Performance (IEC Compliant)

Init. Color Rendering Index	≥70
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### Light Technical

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

### Mechanical and Housing

Color	Aluminum
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### General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Glare shielding accessories	Optic type
912300023822	BVP525 1860/757 230V BV DX50 D9 T25 100	90° x 136°	757 cool white	-	Asymmetrical wide beam
912300023824	BVP525 1800/740 230V BV DX50 D9 T25 100	90° x 136°	740 neutral white	-	Asymmetrical wide beam
912300023823	BVP525 1860/757 230V HGB DX50 D9 T25 100	90° x 136°	757 cool white	-	Asymmetrical wide beam
912300023825	BVP525 1800/740 230V HGB DX50 D9 T25 100	90° x 136°	740 neutral white	-	Asymmetrical wide beam
912300024105	BVP525 1940/740 380-400 BV AWB D9 T20 LO	18° - 7° x 119°	740 neutral white	Internal louver	Asymmetrical wide beam
912300024106	BVP525 1940/740 380-400 BV ANB D9 T20 LO	10° - 5° x 75°	740 neutral white	Internal louver	Asymmetrical narrow beam
912300023826	BVP515 1240/757 230V BV DX50 D9 T25 100	90° x 136°	757 cool white	-	Asymmetrical wide beam
912300023828	BVP515 1200/740 230V BV DX50 D9 T25 100	90° x 136°	740 neutral white	-	Asymmetrical wide beam
912300023827	BVP515 1240/757 230V HGB DX50 D9 T25 100	90° x 136°	757 cool white	-	Asymmetrical wide beam
912300023829	BVP515 1200/740 230V HGB DX50 D9 T25 100	90° x 136°	740 neutral white	-	Asymmetrical wide beam
912300024107	BVP515 1290/740 380-400 BV AWB D9 T20 LO	18° - 7° x 119°	740 neutral white	Internal louver	Asymmetrical wide beam

### General Information (2/2)

Order Code	Full Product Name	Product Family Code
912300023822	BVP525 1860/757 230V BV DX50 D9 T25 100	BVP525
912300023824	BVP525 1800/740 230V BV DX50 D9 T25 100	BVP525
912300023823	BVP525 1860/757 230V HGB DX50 D9 T25 100	BVP525
912300023825	BVP525 1800/740 230V HGB DX50 D9 T25 100	BVP525
912300024105	BVP525 1940/740 380-400 BV AWB D9 T20 LO	BVP525
912300024106	BVP525 1940/740 380-400 BV ANB D9 T20 LO	BVP525

Order Code	Full Product Name	Product Family Code
912300023826	BVP515 1240/757 230V BV DX50 D9 T25 100	BVP515
912300023828	BVP515 1200/740 230V BV DX50 D9 T25 100	BVP515
912300023827	BVP515 1240/757 230V HGB DX50 D9 T25 100	BVP515
912300023829	BVP515 1200/740 230V HGB DX50 D9 T25 100	BVP515
912300024107	BVP515 1290/740 380-400 BV AWB D9 T20 LO	BVP515

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
912300023822	BVP525 1860/757 230V BV DX50 D9 T25 100	5700 K	186000 lm
912300023824	BVP525 1800/740 230V BV DX50 D9 T25 100	4000 K	180000 lm
912300023823	BVP525 1860/757 230V HGB DX50 D9 T25 100	5700 K	186000 lm
912300023825	BVP525 1800/740 230V HGB DX50 D9 T25 100	4000 K	180000 lm
912300024105	BVP525 1940/740 380-400 BV AWB D9 T20 LO	4000 K	152000 lm
912300024106	BVP525 1940/740 380-400 BV ANB D9 T20 LO	4000 K	152000 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux
912300023826	BVP515 1240/757 230V BV DX50 D9 T25 100	5700 K	124000 lm
912300023828	BVP515 1200/740 230V BV DX50 D9 T25 100	4000 K	120000 lm
912300023827	BVP515 1240/757 230V HGB DX50 D9 T25 100	5700 K	124000 lm
912300023829	BVP515 1200/740 230V HGB DX50 D9 T25 100	4000 K	120000 lm
912300024107	BVP515 1290/740 380-400 BV AWB D9 T20 LO	4000 K	102000 lm

