



# ArenaVision LED gen2 – enabling sports venues to offer a new experience

## ArenaVision LED gen2

The Philips ArenaVision LED gen2 floodlighting system is an innovative LED pitch-lighting solution that supports the latest TV broadcasting standards and features a control platform. Designed exclusively for sports and multifunctional lighting applications, ArenaVision LED gen2 luminaires offer outstanding light quality, effective thermal management, and long lifetime. The floodlight range includes versions with three and two LED light modules, which function with an external driver box – separate for use at a distance from the floodlight (BV version), or pre-fixed onto the mounting bracket of the floodlight (HGB version) for ease of installation and lower initial cost.

### Benefits

- Maximum design flexibility and a high level of lighting quality – no flicker effect in televised applications
- Floodlight system delivers maximum light output while ensuring effective thermal management in order to maximize lifetime and minimize maintenance costs
- Advanced DMX driver box of ArenaVision LED gen2 meeting the highest performance standards enables the luminaire interacting with Philips' external ArenaVision lighting dynamic control system

### Features

- LED technology allows instant, dynamic control of the lighting highly efficient optical systems
- Philips know-how and global support in creating lighting for broadcasting and value-adding experiences

# ArenaVision LED gen2

## Application

- Outdoor and indoor sports arenas and stadiums
- Indoor sports halls (aquatic centers, velodromes, ice hockey arenas, etc.)
- Multipurpose arenas

## Specifications

<b>Beam spread luminaire</b>	6° x 6°
<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 DMX interface (Power supply unit with DMX interface)
<b>Initial correlated color temperature</b>	5700 K
<b>Initial LED luminaire efficacy</b>	83, 84, 93, 105, 106 lm/W

<b>Initial luminous flux</b>	107000, 118000, 134000, 161000, 178000, 202000 lm
<b>Input voltage</b>	230 V
<b>Inrush current (A)</b>	30 A
<b>Material</b>	Housing: aluminum
<b>Remarks</b>	Driver box EVP500 is ordered together with floodlight (BVP415/425) 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>	BVP415 BVP425

## Versions



ArenaVision LED gen2 BVP425 flood-lighting luminaire, 3-light module version with separate driver box



ArenaVision LED gen2 BVP425 flood-lighting luminaire, 3-light module version with integral driver box



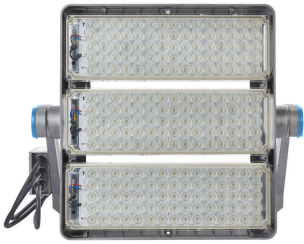
ArenaVision LED gen2 BVP415 flood-lighting luminaire, 2-light module version with separate driver box



ArenaVision LED gen2 BVP415 flood-lighting luminaire, 2-light module version with integral driver box

# ArenaVision LED gen2

## Product details



Front view of BVP425 floodlight (BV: version with external driver box)



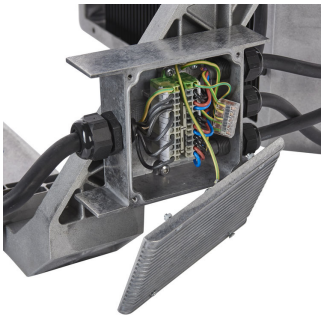
Rear view of BVP425 floodlight (BV: version with external driver box)



Left side view of BVP425 floodlight (BV: version with external driver box)



Rear view of BVP425 floodlight (BV: version with external driver box)



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 BVP425 floodlight (HGB: version with driver box attached)

# ArenaVision LED gen2

## Product details



Rear view of BVP425 floodlight (HGB: version with driver box attached)



Left side view of BVP425 floodlight (HGB: version with driver box attached)



Rear view of BVP425 floodlight (HGB: version with driver box attached)



Rear view of BVP415 floodlight (HGB: version with driver box attached)



Left side view of BVP415 floodlight (HGB: version with driver box attached)



Rear view of BVP415 floodlight (HGB: version with driver box attached)

## Accessories



Precision aiming device

Ordercode 910503910039



Louver

Ordercode 912300022588

# ArenaVision LED gen2

## 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

Luminaire light beam spread	6° x 6°
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
Optic type	Beam category S2

### Initial Performance (IEC Compliant)

Init. Corr. Color Temperature	5700 K
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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

Order Code	Full Product Name	Light source color	Product Family Code
912300023810	BVP425 1610/957 PSDMX 230V BV S2 T25	957 cool white	BVP425
912300023812	BVP425 1780/857 PSDMX 230V BV S2 T25	857 daylight	BVP425
912300023814	BVP425 2020/757 PSDMX 230V BV S2 T25	757 cool white	BVP425
912300023811	BVP425 1610/957 PSDMX 230V HGB S2 T25	957 cool white	BVP425
912300023813	BVP425 1780/857 PSDMX 230V HGB S2 T25	857 daylight	BVP425
912300023815	BVP425 2020/757 PSDMX 230V HGB S2 T25	757 cool white	BVP425
912300023816	BVP415 1070/957 PSDMX 230V BV S2 T25	957 cool white	BVP415
912300023818	BVP415 1180/857 PSDMX 230V BV S2 T25	857 daylight	BVP415
912300023820	BVP415 1340/757 PSDMX 230V BV S2 T25	757 cool white	BVP415
912300023817	BVP415 1070/957 PSDMX 230V HGB S2 T25	957 cool white	BVP415
912300023819	BVP415 1180/857 PSDMX 230V HGB S2 T25	857 daylight	BVP415
912300023821	BVP415 1340/757 PSDMX 230V HGB S2 T25	757 cool white	BVP415

## Initial Performance (IEC Compliant)

## ArenaVision LED gen2

Order Code	Full Product Name	Init. Color Rendering Index	Initial luminous flux
912300023810	BVP425 1610/957 PSDMX 230V BV S2 T25	≥90	161000 lm
912300023812	BVP425 1780/857 PSDMX 230V BV S2 T25	≥80	178000 lm
912300023814	BVP425 2020/757 PSDMX 230V BV S2 T25	≥70	202000 lm
912300023811	BVP425 1610/957 PSDMX 230V HGB S2 T25	≥90	161000 lm
912300023813	BVP425 1780/857 PSDMX 230V HGB S2 T25	≥80	178000 lm
912300023815	BVP425 2020/757 PSDMX 230V HGB S2 T25	≥70	202000 lm

Order Code	Full Product Name	Init. Color Rendering Index	Initial luminous flux
912300023816	BVP415 1070/957 PSDMX 230V BV S2 T25	≥90	107000 lm
912300023818	BVP415 1180/857 PSDMX 230V BV S2 T25	≥80	118000 lm
912300023820	BVP415 1340/757 PSDMX 230V BV S2 T25	≥70	134000 lm
912300023817	BVP415 1070/957 PSDMX 230V HGB S2 T25	≥90	107000 lm
912300023819	BVP415 1180/857 PSDMX 230V HGB S2 T25	≥80	118000 lm
912300023821	BVP415 1340/757 PSDMX 230V HGB S2 T25	≥70	134000 lm

