PHILIPS

Lighting

ArenaVision LED gen3.5 – Revolutionising the pitch-lighting experience

ArenaVision LED gen3.5

The Philips ArenaVision LED floodlighting system is an innovative LED pitch-lighting solution supporting the latest TV broadcasting standards. Designed exclusively for sports and multi-purpose venues, ArenaVision LED offers outstanding light quality, effective thermal management and long lifetime. When combined with control applications such as the InteractSports lighting management system, ArenaVision LED can simplify the delivery of the right illumination by scheduling or through real-time adjustments and can be used to create customised light shows before, during and after the main event.To ensure optimised use for both indoor and outdoor applications, the floodlight range includes two single piece pressure die cast housing versions, hosting 2 and 3 LED engines respectively. These versions also 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). This external driver box ensures ease of installation and lower initial cost.

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Benefits

- Maximum design flexibility to fit different stadium architectures and high lighting quality – compliant with international broadcasting standards for any type of sport
- The single high-power IP66-rated DMX driver enables ArenaVision LED to be connected to the Interact Sports lighting management system, thereby enabling remote light management and the creation of dynamic light shows.
- While delivering maximum light output. the floodlight has an excellent thermal management system, which in combination with its low weight and IP66 rating helps maximise lifetime and minimise maintenance costs for both newly built and retrofitted installations
- 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 asymmetrical and symmetrical optics ensuring low glare and best-in-class lighting uniformity, exceeding the requirements of all types of sports lighting level standards
- Wide range of ambient temperature tolerance making it suitable for a variety of sports applications
- Option to add additional accessories to achieve best-in-class glare and up-light control
- Programmable DMX Driver to enable programming and integration with entertainment lighting fixtures and other Interact Sports applications

Application

- Outdoor arenas, stadiums and racing tracks (Cricket, Football, Rugby, Tennis, Hockey, Golf, Ice skating, Horse racing, F1 racing, Athletics, etc.)
- Indoor sports arenas and halls (Swimming pools, Velodromes, Basketball, Ice hockey, etc.)
- Multiple and multipurpose sports facilities and arenas

Versions

ARENAVISION LED GEN3.5 LARGE - LED - 2° x 10°

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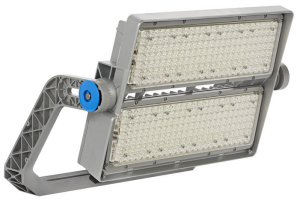
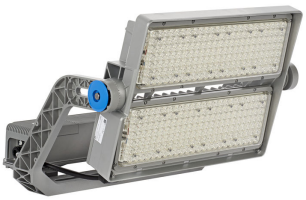
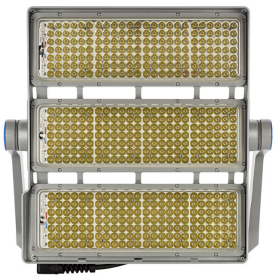


ARENAVISION LED GEN3.5 SMALL - LED - 2° x 10°



ARENAVISION LED GEN3.5 SMALL - LED - 2° x 10°

Product details



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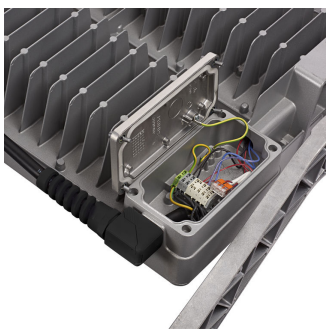
Rear View of BVP427 floodlight (HGB : With attached Driver Box)

Fixing Positions on the Bracket, Refer MI sheet for correct fixing

Access Bolt to AIM the floodlight easily



Electrical Connection box of floodlight with cable gland and push-in terminals enabling electrical connection to driver box

Side View of BVP427 floodlight (HGB : With attached Driver Box)

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Application Conditions	
Maximum dimming level	10%
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
General Information	
Luminaire light beam spread	2° x 10°
CE mark	CE mark
Optical cover/lens type	PCC
Driver included	Yes
Light source replaceable	Yes
Number of gear units	1 unit
Optic type	Distribution symmetrical
Initial Performance (IEC Compliant)	
Init. Corr. Colour Temperature	5700 K
Light Technical	
Standard tilt angle side entry	-
Standard tilt angle post-top	0°
Upward light output ratio	0
Mechanical and Housing	
Colour	Aluminium

General Information

Order Code	Full Product Name	Light source colour	Flammability mark	Lamp family code	Product family code
20070800	BVP428 1780/957 BV S2 D9 T25	957 cool white	NO	LED1800	BVP428
20072200	BVP428 1980/857 BV S2 D9 T25	857 daylight	NO	LED1950	BVP428
20076000	BVP428 1780/957 BV S2 T25 PSDMX	957 cool white	NO	LED1800	BVP428
20078400	BVP428 1980/857 BV S2 T25 PSDMX	857 daylight	NO	LED1950	BVP428
20080700	BVP428 2220/757 BV S2 T25 PSDMX	757 cool white	NO	LED2200	BVP428
20071500	BVP428 1780/957 HGB S2 D9 T25	957 cool white	NO	LED1800	BVP428
20073900	BVP428 1980/857 HGB S2 D9 T25	857 daylight	NO	LED1950	BVP428
20077700	BVP428 1780/957 HGB S2 T25 PSDMX	957 cool white	NO	LED1800	BVP428
20079100	BVP428 1980/857 HGB S2 T25 PSDMX	857 daylight	NO	LED1950	BVP428
20081400	BVP428 2220/757 HGB S2 T25 PSDMX	757 cool white	NO	LED2200	BVP428
20074600	BVP418 1320/857 BV S2 D9 T25	857 daylight	F	LED1300	BVP418
20082100	BVP418 1190/957 BV S2 T25 PSDMX	957 cool white	F	LED1200	BVP418
20084500	BVP418 1320/857 BV S2 T25 PSDMX	857 daylight	F	LED1300	BVP418
20086900	BVP418 1480/757 BV S2 T25 PSDMX	757 cool white	F	LED1470	BVP418
20075300	BVP418 1320/857 HGB S2 D9 T25	857 daylight	F	LED1300	BVP418
20083800	BVP418 1190/957 HGB S2 T25 PSDMX	957 cool white	F	LED1200	BVP418
20085200	BVP418 1320/857 HGB S2 T25 PSDMX	857 daylight	F	LED1300	BVP418
20087600	BVP418 1480/757 HGB S2 T25 PSDMX	757 cool white	F	LED1470	BVP418

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Colour rendering index	Initial luminous flux
20070800	BVP428 1780/957 BV S2 D9 T25	90	162000 lm
20072200	BVP428 1980/857 BV S2 D9 T25	>80	180000 lm
20076000	BVP428 1780/957 BV S2 T25 PSDMX	90	162000 lm
20078400	BVP428 1980/857 BV S2 T25 PSDMX	>80	180000 lm
20080700	BVP428 2220/757 BV S2 T25 PSDMX	>70	202000 lm
20071500	BVP428 1780/957 HGB S2 D9 T25	90	162000 lm
20073900	BVP428 1980/857 HGB S2 D9 T25	>80	180000 lm

Order Code	Full Product Name	Init. Colour rendering index	Initial luminous flux
20077700	BVP428 1780/957 HGB S2 T25 PSDMX	90	162000 lm
20079100	BVP428 1980/857 HGB S2 T25 PSDMX	>80	180000 lm
20081400	BVP428 2220/757 HGB S2 T25 PSDMX	>70	202000 lm
20074600	BVP418 1320/857 BV S2 D9 T25	>80	119000 lm
20082100	BVP418 1190/957 BV S2 T25 PSDMX	90	107000 lm

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Order Code	Full Product Name	Init. Colour rendering index	Initial luminous flux
20084500	BVP418 1320/857 BV S2 T25 PSDMX	>80	119000 lm
20086900	BVP418 1480/757 BV S2 T25 PSDMX	>70	134000 lm
20075300	BVP418 1320/857 HGB S2 D9 T25	>80	119000 lm
20083800	BVP418 1190/957 HGB S2 T25 PSDMX	90	107000 lm

Order Code	Full Product Name	Init. Colour rendering index	Initial luminous flux
20085200	BVP418 1320/857 HGB S2 T25 PSDMX	>80	119000 lm
20087600	BVP418 1480/757 HGB S2 T25 PSDMX	>70	134000 lm