



ArenaVision LED gen3 – Revolutionizing the pitch-lighting experience

ArenaVision LED gen3

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 Interact Sports 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 customized light shows before, during and after the main event. To ensure optimized 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.

ArenaVision LED gen3

Benefits

- Maximum design flexibility to fit different stadium architectures and high lighting quality – compliant with international broadcasting standards for any type of sports
- While delivering maximum light output the floodlight has an excellent thermal management system, which in combination with its low weight and IP66 rating helps maximize lifetime and minimize maintenance costs for both new built and retrofit installations
- 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 creation of dynamic light shows
- 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
- 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
- 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

Specifications

Beam spread luminaire	12°
Main color of the Luminaire	Aluminum
Connection	Connection unit 5-pole (Connection unit 5-pole)
Dimming	No, yes
Driver	Power supply unit (Power supply unit) Power supply unit with DMX interface (Power supply unit with DMX interface)
Initial correlated color temperature	5700 K

Initial luminous flux	92210, 100060, 113352, 138246, 150014, 169943 lm
Input frequency	50 to 60 Hz
Input voltage	230 to 400 V
Inrush current (A)	20 A
Material	Housing: aluminum
Type	BVP417 BVP427

ArenaVision LED gen3

Versions



ARENAVISION LED GEN3 LARGE -
LED module 180000 lm - 957 cool
white - Power supply unit with
DALI interface - Symmetrical



ARENAVISION LED GEN3 LARGE -
LED module 180000 lm - 957 cool
white - Power supply unit with
DALI interface - Symmetrical



ARENAVISION LED GEN3 SMALL -
LED module 130000 lm - 857
daylight - Power supply unit with
DALI interface - Symmetrical



ARENAVISION LED GEN3 SMALL -
LED module 130000 lm - 857
daylight - Power supply unit with
DALI interface - Symmetrical

Product details



Side View of BVP427 floodlight
(BV : With External Driver Box)



Rear View of BVP427 floodlight
(BV : With External Driver Box)



Front View of BVP427 floodlight

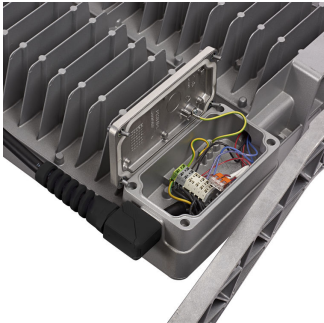


Rear View of BVP427 floodlight
(HGB : With attached Driver Box)

Product details



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)

ArenaVision LED gen3

Approval and Application	
Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode
General Information	
Luminaire light beam spread	12°
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	Symmetrical
Service tag	Yes
Initial Performance (IEC Compliant)	
Init. Corr. Color Temperature	5700 K
Light Technical	
Standard tilt angle side entry	-
Standard tilt angle posttop	0°
Upward light output ratio	0
Mechanical and Housing	
Color	Aluminum

Application Conditions

Order Code	Full Product Name	Maximum dim level
912300024279	BVP427 1800/957 PSU 230-400V BV S2 T25	-
912300024281	BVP427 1950/857 PSU 230-400V BV S2 T25	-
912300024285	BVP427 1800/957 PSDMX 230-400V BV S2 D25	10%
912300024287	BVP427 1950/857 PSDMX 230-400V BV S2 D25	10%
912300024289	BVP427 2210/757 PSDMX 230-400V BV S2 D25	10%
912300024280	BVP427 1800/957 PSU 230-400V HGB S2 T25	-
912300024282	BVP427 1950/857 PSU 230-400V HGB S2 T25	-
912300024286	BVP427 1800/957 PSDMX 230-400V HGB S2 D2	10%
912300024288	BVP427 1950/857 PSDMX 230-400V HGB S2 D2	10%
912300024290	BVP427 2210/757 PSDMX 230-400V HGB S2 D2	10%
912300024283	BVP417 1300/857 PSU 230-400V BV S2 T25	-
912300024291	BVP417 1200/957 PSDMX 230-400V BV S2 D25	10%
912300024293	BVP417 1300/857 PSDMX 230-400V BV S2 D25	10%
912300024295	BVP417 1470/757 PSDMX 230-400V BV S2 D25	10%
912300024284	BVP417 1300/857 PSU 230-400V HGB S2 T25	-
912300024292	BVP417 1200/957 PSDMX 230-400V HGB S2 D2	10%
912300024294	BVP417 1300/857 PSDMX 230-400V HGB S2 D2	10%
912300024296	BVP417 1470/757 PSDMX 230-400V HGB S2 D2	10%

Controls and Dimming

Order Code	Full Product Name	Dimmable
912300024279	BVP427 1800/957 PSU 230-400V BV S2 T25	No
912300024281	BVP427 1950/857 PSU 230-400V BV S2 T25	No
912300024285	BVP427 1800/957 PSDMX 230-400V BV S2 D25	Yes
912300024287	BVP427 1950/857 PSDMX 230-400V BV S2 D25	Yes
912300024289	BVP427 2210/757 PSDMX 230-400V BV S2 D25	Yes
912300024280	BVP427 1800/957 PSU 230-400V HGB S2 T25	No
912300024282	BVP427 1950/857 PSU 230-400V HGB S2 T25	No
912300024286	BVP427 1800/957 PSDMX 230-400V HGB S2 D2	Yes
912300024288	BVP427 1950/857 PSDMX 230-400V HGB S2 D2	Yes
Order Code	Full Product Name	Dimmable
912300024290	BVP427 2210/757 PSDMX 230-400V HGB S2 D2	Yes
912300024283	BVP417 1300/857 PSU 230-400V BV S2 T25	No
912300024291	BVP417 1200/957 PSDMX 230-400V BV S2 D25	Yes
912300024293	BVP417 1300/857 PSDMX 230-400V BV S2 D25	Yes
912300024295	BVP417 1470/757 PSDMX 230-400V BV S2 D25	Yes
912300024284	BVP417 1300/857 PSU 230-400V HGB S2 T25	No
912300024292	BVP417 1200/957 PSDMX 230-400V HGB S2 D2	Yes
912300024294	BVP417 1300/857 PSDMX 230-400V HGB S2 D2	Yes
912300024296	BVP417 1470/757 PSDMX 230-400V HGB S2 D2	Yes

General Information

		Light source	Lamp	Product Family
Order Code	Full Product Name	color	family code	Code
912300024279	BVP427 1800/957 PSU 230-400V BV S2 T25	957 cool white	LED1800	BVP427
		Light source	Lamp	Product Family
Order Code	Full Product Name	color	family code	Code
912300024281	BVP427 1950/857 PSU 230-400V BV S2 T25	857 daylight	LED1950	BVP427

ArenaVision LED gen3

Order Code	Full Product Name	Light source color	Lamp family code	Product Family Code
912300024285	BVP427 1800/957 PSDMX 230-400V BV S2 D25	957 cool white	LED1800	BVP427
912300024287	BVP427 1950/857 PSDMX 230-400V BV S2 D25	857 daylight	LED1950	BVP427
912300024289	BVP427 2210/757 PSDMX 230-400V BV S2 D25	757 cool white	LED2200	BVP427
912300024280	BVP427 1800/957 PSU 230-400V HGB S2 T25	957 cool white	LED1800	BVP427
912300024282	BVP427 1950/857 PSU 230-400V HGB S2 T25	857 daylight	LED1950	BVP427
912300024286	BVP427 1800/957 PSDMX 230-400V HGB S2 D2	957 cool white	LED1800	BVP427
912300024288	BVP427 1950/857 PSDMX 230-400V HGB S2 D2	857 daylight	LED1950	BVP427
912300024290	BVP427 2210/757 PSDMX 230-400V HGB S2 D2	757 cool white	LED2200	BVP427

Order Code	Full Product Name	Light source color	Lamp family code	Product Family Code
912300024283	BVP417 1300/857 PSU 230-400V BV S2 T25	857 daylight	LED1300	BVP417
912300024291	BVP417 1200/957 PSDMX 230-400V BV S2 D25	957 cool white	LED1200	BVP417
912300024293	BVP417 1300/857 PSDMX 230-400V BV S2 D25	857 daylight	LED1300	BVP417
912300024295	BVP417 1470/757 PSDMX 230-400V BV S2 D25	757 cool white	LED1470	BVP417
912300024284	BVP417 1300/857 PSU 230-400V HGB S2 T25	857 daylight	LED1300	BVP417
912300024292	BVP417 1200/957 PSDMX 230-400V HGB S2 D2	957 cool white	LED1200	BVP417
912300024294	BVP417 1300/857 PSDMX 230-400V HGB S2 D2	857 daylight	LED1300	BVP417
912300024296	BVP417 1470/757 PSDMX 230-400V HGB S2 D2	757 cool white	LED1470	BVP417

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Color Rendering Index	Initial luminous flux
912300024279	BVP427 1800/957 PSU 230-400V BV S2 T25	>85	138246 lm
912300024281	BVP427 1950/857 PSU 230-400V BV S2 T25	>80	150014 lm
912300024285	BVP427 1800/957 PSDMX 230-400V BV S2 D25	>85	138246 lm
912300024287	BVP427 1950/857 PSDMX 230-400V BV S2 D25	>80	150014 lm
912300024289	BVP427 2210/757 PSDMX 230-400V BV S2 D25	>70	169943 lm
912300024280	BVP427 1800/957 PSU 230-400V HGB S2 T25	>85	138246 lm
912300024282	BVP427 1950/857 PSU 230-400V HGB S2 T25	>80	150014 lm
912300024286	BVP427 1800/957 PSDMX 230-400V HGB S2 D2	>85	138246 lm
912300024288	BVP427 1950/857 PSDMX 230-400V HGB S2 D2	>80	150014 lm

Order Code	Full Product Name	Init. Color Rendering Index	Initial luminous flux
912300024290	BVP427 2210/757 PSDMX 230-400V HGB S2 D2	>70	169943 lm
912300024283	BVP417 1300/857 PSU 230-400V BV S2 T25	>80	100060 lm
912300024291	BVP417 1200/957 PSDMX 230-400V BV S2 D25	>85	92210 lm
912300024293	BVP417 1300/857 PSDMX 230-400V BV S2 D25	>80	100060 lm
912300024295	BVP417 1470/757 PSDMX 230-400V BV S2 D25	>70	113352 lm
912300024284	BVP417 1300/857 PSU 230-400V HGB S2 T25	>80	100060 lm
912300024292	BVP417 1200/957 PSDMX 230-400V HGB S2 D2	>85	92210 lm
912300024294	BVP417 1300/857 PSDMX 230-400V HGB S2 D2	>80	100060 lm
912300024296	BVP417 1470/757 PSDMX 230-400V HGB S2 D2	>70	113352 lm

ArenaVision LED gen3

