ArenaVision LED gen3

BVP417 1300/857 PSDMX 230-400V BV S2 D25

ARENAVISION LED GEN3 SMALL, LED module 130000 lm, 857 daylight, Power supply unit with DMX interface, Symmetrical

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.

Product data

General Information	
Lamp family code	LED1300 [LED module 130000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At higher ambient temperatures (greater than the luminaire ambient selected) the luminaire might automatically dim down to protect components
Light source engine type	LED
Service tag	Yes

Product family code	BVP417 [ARENAVISION LED GEN3 SMALL]
Lighting Technology	LED
CE mark	Yes
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical	
Upward light output ratio	0

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Luminous Flux	100,060 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	95 lm/W
Color rendering index (CRI)	>80
Light source color	857 daylight
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	12°
Optic type outdoor	Symmetrical

Operating and Electrical

Input Voltage	230 to 400 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.160 ms
Power Consumption	1,051 W
Power Factor (Fraction)	0.95
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	1

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DMX interface
Control interface	Dynamix DMX
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	441 mm
Overall width	695 mm
Overall height	695 mm
Overall diameter	538 mm
Effective projected area	0.373 m²
Dimensions (Height x Width x Depth)	695 x 695 x 441 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.321, 0.335) SDCM<5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	10 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Order product name	BVP417 1300/857 PSDMX 230-400V BV S2 D25
Full product name	BVP417 1300/857 PSDMX 230-400V BV S2 D25
Full product code	871869986739300
Order code	912300024293
Material Nr. (12NC)	912300024293
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699867393
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699867393

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Dimensional drawing