



# **ArenaVision LED gen3**

### BVP417 1200/957 PSDMX 230-400V BV S2 D25

ARENAVISION LED GEN3 SMALL, LED module 120000 lm, 957 cool white, 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	LED1200 [LED module 120000 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

Datasheet, 2023, April 30 data subject to change

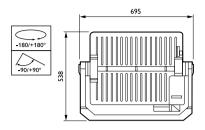
# ArenaVision LED gen3

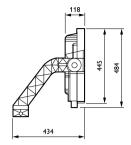
Luminous Flux	92,210 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	_
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	88 lm/W
Color rendering index (CRI)	>85
Light source color	957 cool white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light 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	
Fixation material	Polycarbonate
	Aluminum
Housing Color  Mounting device	Aluminum  Mounting bracket adjustable
Optical cover shape	Mounting bracket adjustable  Flat
Optical cover finish	Clear
Optical Cover IIIIISII	
Overall length	1/1 mm
Overall length  Overall width	441 mm 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 Complia	ant)
Control gear failure rate at median useful	10 %
life 50000 h	
Lumen maintenance at median useful life*	L80
50000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Product Data	
Order product name	BVP417 1200/957 PSDMX 230-400V BV S2
	D25
Full product name	BVP417 1200/957 PSDMX 230-400V BV S2
	D25
Full product code	871869986737900
Order code	86737900
Material Nr. (12NC)	912300024291
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699867379
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699867379

## ArenaVision LED gen3

#### Dimensional drawing







© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.