# **PHILIPS** Lighting



# **ArenaVision LED gen3**

# BVP417 1300/857 PSU 230-400V BV S2 T25

ARENAVISION LED GEN3 SMALL, LED module 130000 lm, 857 daylight, Power supply unit (On/Off), 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

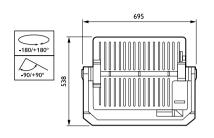
## ArenaVision LED gen3

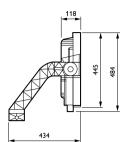
Luminous Flux	100,060 lm	
Standard tilt angle posttop	0°	
Standard tilt angle side entry	-	
Correlated Color Temperature (Nom)	5700 K	
Luminous Efficacy (rated) (Nom)	95 lm/W	
Color rendering index (CRI)	>80	
Light source color	857 daylight	
Optical cover type	Polycarbonate bowl/cover clear	
Luminaire 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>B</b> 1	
Temperature		
Temperature Ambient temperature range	-40 to +50 °C	
-	-40 to +50 °C	
-	-40 to +50 °C	
Ambient temperature range	-40 to +50 °C No	
Ambient temperature range Controls and Dimming		
Ambient temperature range Controls and Dimming Dimmable	No	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	No Power supply unit (On/Off)	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	No Power supply unit (On/Off)	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output	No Power supply unit (On/Off)	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output Mechanical and Housing	No Power supply unit (On/Off) No	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output Mechanical and Housing Housing Material	No Power supply unit (On/Off) No	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output Mechanical and Housing Housing Material Reflector material	No Power supply unit (On/Off) No Aluminum -	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output Mechanical and Housing Housing Material Reflector material Optic material	No Power supply unit (On/Off) No Aluminum - Polycarbonate	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	No Power supply unit (On/Off) No Aluminum - Polycarbonate Polycarbonate	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	No Power supply unit (On/Off) No Aluminum - Polycarbonate Polycarbonate Aluminum	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	No Power supply unit (On/Off) No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Aluminum	
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	No         Power supply unit (On/Off)         No         Aluminum         -         Polycarbonate         Polycarbonate         Aluminum         Aluminum         Mounting bracket adjustable	

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 differentia
	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	int)
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
Product Data	
Order product name	BVP417 1300/857 PSU 230-400V BV S2 T25
Full product name	BVP417 1300/857 PSU 230-400V BV S2 T25
Full product code	871869986729400
Order code	86729400
Material Nr. (12NC)	912300024283
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699867294
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699867294

### ArenaVision LED gen3

#### Dimensional drawing







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