PHILIPS Lighting



ArenaVision LED gen2

BVP425 2020/757 PSDMX 230V BV S2 T25

ArenaVision LED gen2, 757 cool white

The Philips ArenaVision LED gen2 floodlighting system is an innovative LED pitchlighting solution that supports the latest TV broadcasting standards and features a control platform. Designed exclusively for sports and multifunctional lighting applications, ArenaVision LED gen2 luminaires offer outstanding light quality, effective thermal management, and long lifetime. The floodlight range includes versions with three and two LED light modules, which function with an external driver box – separate for use at a distance from the floodlight (BV version), or prefixed onto the mounting bracket of the floodlight (HGB version) for ease of installation and lower initial cost.

Product data

General Information	
Lamp family code	LED-HB [LED High Brightness]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen
	maintenance between B50 and for example
	B10. Therefore, the median useful life (B50)
	value also represents the B10 value. * At
	extreme ambient temperatures the luminaire
	might automatically dim down to protect
	components
Light source engine type	LED

Product family code	BVP425 [ArenaVision LED gen2]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	3 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	202,000 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	105 lm/W

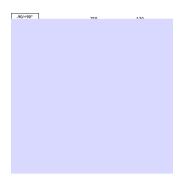
ArenaVision LED gen2

Color rendering index (CRI)	≥70	Overall height
Light source color	757 cool white	Effective projected area
Optical cover type	Polycarbonate bowl/cover	Dimensions (Height x Wid
Luminaire light beam spread	6° x 6°	
Optic type outdoor	Beam category S2	Approval and Applicat
		Ingress protection code
Operating and Electrical		Mech. impact protection c
Input Voltage	230 V	Surge Protection (Commo
Line Frequency	50 Hz	
Inrush current	30 A	Protection class IEC
Inrush time	16 ms	
Power Consumption	1,471 W	Initial Performance (IE
Power Factor (Fraction)	0.95	Luminous flux tolerance
Connection	Push-in connector and pull relief	Initial chromaticity
Cable	-	Power consumption tolera
Number of products on MCB of 16 A type	e 2	Init. Color Rendering Inde
В		
		Over Time Performance
Temperature		Control gear failure rate a
Ambient temperature range	-40 to +50 °C	life 50000 h
		Lumen maintenance at me
Controls and Dimming		life* 50000 h
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit with DMX interface	Application Condition
Control interface	Dynamix DMX	Performance ambient tem
Constant light output	No	Maximum dim level
Mechanical and Housing		Product Data
Housing Material	Aluminum	Order product name
Reflector material	Polycarbonate	Full product name
Optic material	Polycarbonate	Full product code
Optical cover material	Polycarbonate	Order code
Fixation material	Aluminum	Material Nr. (12NC)
Housing Color	Aluminum	Numerator - Quantity Per
Mounting device	Mounting bracket adjustable	EAN/UPC - Product/Case
Optical cover shape	Flat	Numerator - Packs per ou
Optical cover finish	Clear	EAN/UPC - Case
Overall length	750 mm	
Overall width	616 mm	

Overall height	450 mm	
Effective projected area	0.350 m²	
Dimensions (Height x Width x Depth)	450 x 616 x 750 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)	Luminaire surge protection level until 6 kV	
	differential mode and 10 kV common 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 Comp	liant)	
Control gear failure rate at median usefu	15%	
life 50000 h		
Lumen maintenance at median useful	L80	
life* 50000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	10%	
Product Data		
Order product name	BVP425 2020/757 PSDMX 230V BV S2 T25	
Full product name	BVP425 2020/757 PSDMX 230V BV S2 T25	
Full product code	871869911601900	
Order code	11601900	
Material Nr. (12NC)	912300023814	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699116019	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718699116019	

ArenaVision LED gen2

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.

www.lighting.philips.com 2023, April 30 - data subject to change