PHILIPS Lighting



ArenaVision LED gen2

BVP415 1070/957 PSDMX 230V BV S2 T25

ArenaVision LED gen2, 957 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	BVP415 [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	107,000 lm	
Standard tilt angle posttop	-	
Standard tilt angle side entry	-	
Correlated Color Temperature (Nom)	5700 K	
Luminous Efficacy (rated) (Nom)	83 lm/W	

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Color rendering index (CRI)	≥90	Overall height	450 m
Light source color	957 cool white	Effective projected area	0.220
Optical cover type	Polycarbonate bowl/cover	Dimensions (Height x Width x Depth)	450 x
Luminaire light beam spread	6° x 6°		
Optic type outdoor	Beam category S2	Approval and Application	
		Ingress protection code	IP66 [
Operating and Electrical		Mech. impact protection code	IK08 [
Input Voltage	230 V	Surge Protection (Common/Differential)	Lumin
Line Frequency	50 Hz	—	differe
Inrush current	30 A	Protection class IEC	Safety
Inrush time	16 ms		
Power Consumption	981 W	Initial Performance (IEC Compliant)	
Power Factor (Fraction)	0.95	Luminous flux tolerance	+/-7%
Connection	Push-in connector and pull relief	Initial chromaticity	(0.321
Cable	-	Power consumption tolerance	+/-109
Number of products on MCB of 16 A type	2	Init. Color Rendering Index Tolerance	+/-2
В			
		Over Time Performance (IEC Compl	liant)
Temperature		Control gear failure rate at median useful 5 %	
Ambient temperature range	-40 to +50 °C	life 50000 h	
		Lumen maintenance at median useful	L80
Controls and Dimming		 life* 50000 h	
Dimmable	Yes		
Driver/power unit/transformer	Power supply unit with DMX interface	Application Conditions	
Control interface	Dynamix DMX	Performance ambient temperature Tq	25 °C
Constant light output	No	Maximum dim level	10%
Mechanical and Housing		Product Data	
Housing Material	Aluminum	Order product name	BVP41
Reflector material	Polycarbonate	Full product name	BVP41
Optic material	Polycarbonate	Full product code	87186
Optical cover material	Polycarbonate	Order code	11603
Fixation material	Aluminum	Material Nr. (12NC)	91230
Housing Color	Aluminum	Numerator - Quantity Per Pack	1
Mounting device	Mounting bracket adjustable	EAN/UPC - Product/Case	87186
Optical cover shape	Flat	Numerator - Packs per outer box	1
Optical cover finish	Clear	EAN/UPC - Case	87186
Overall length	750 mm		
		_	

450 mm 0.220 m²

450 x 616 x 750 mm

Safety class I

(0.321, 0.335) SDCM <5

+/-7%

+/-10% +/-2

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IK08 [5 J vandal-protected]

IP66 [Dust penetration-protected, jet-proof]

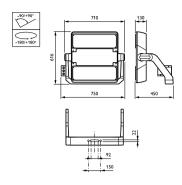
Luminaire surge protection level until 6 kV

differential mode and 10 kV common mode

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Dimensional drawing





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