



ArenaVision LED gen2

BVP425 1780/857 PSDMX 230V BV S2 T25

ArenaVision LED gen2, 857 daylight

The Philips ArenaVision LED gen2 floodlighting system is an innovative LED pitch-lighting 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 pre-fixed 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]	Product family code	BVP425 [ArenaVision LED gen2]
Light source replaceable	Yes	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Specification
Driver included	Yes	CE mark	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	Warranty period	3 years
Light source engine type	LED	Flammability mark	-
		ENEC mark	ENEC mark
		EU RoHS compliant	Yes
		Light Technical	
		Upward light output ratio	0
		Luminous Flux	178,000 lm
		Standard tilt angle posttop	-
		Standard tilt angle side entry	-
		Correlated Color Temperature (Nom)	5700 K
		Luminous Efficacy (rated) (Nom)	93 lm/W

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Color rendering index (CRI)	≥80
Light source color	857 daylight
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	6° x 6°
Optic type outdoor	Beam category S2

Operating and Electrical

Input Voltage	230 V
Line Frequency	50 Hz
Inrush current	30 A
Inrush time	16 ms
Power Consumption	1,471 W
Power Factor (Fraction)	0.95
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	2

Temperature

Ambient temperature range	-40 to +50 °C
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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	Polycarbonate
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	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 Compliant)

Control gear failure rate at median useful life 50000 h	5 %
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	BVP425 1780/857 PSDMX 230V BV S2 T25
Full product name	BVP425 1780/857 PSDMX 230V BV S2 T25
Full product code	871869911599900
Order code	912300023812
Material Nr. (12NC)	912300023812
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699115999
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699115999

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Dimensional drawing

