



ArenaVision LED gen2

BVP415 1340/757 PSDMX 230V BV S2 T25

ArenaVision LED gen2, 757 cool white

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 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 Unit	
Driver included Yes	
Remarks *- According to the Lighting Euro	pe guidance
paper 'Evaluating performance o	f LED based
luminaires – January 2018': statis	stically there
is no relevant difference in lumer	1
maintenance between the B50 a	nd, for
example, the B10. Therefore, the	median
useful life (B50) value also repres	sents the
B10 value. * At extreme ambient	
temperatures the luminaire migh	t
automatically dim down to prote	ct
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	
Upwards light output ratio	0
Luminous Flux	134,000 lm
Standard tilt angle post-top	-
Standard tilt angle side entry	-
Correlated Colour Temperature	5700 K

Datasheet, 2023, April 30 data subject to change

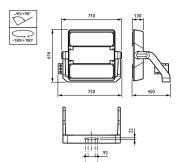
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Luminous efficacy (rated) (nom.)	106 lm/W
Colour rendering index (CRI)	≥70
Light source colour	757 cool white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	6° x 6°
Optic type outdoor	Beam category S2
Operating and Electrical	
Input Voltage	230 V
Line Frequency	50 Hz
Inrush current	30 A
Inrush time	16 ms
Power Consumption	981 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
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	Aluminium
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Aluminium
Mounting device	Mounting bracket adjustable
mounting device	
Optical cover/lens shape	Flat
Optical cover/lens shape	Flat Clear
Optical cover/lens shape Optical cover/lens finish	
	Clear

Overall height	450 mm	
Effective projected area	0.220 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 up to 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	5 %	
life 50,000 h		
Lumen maintenance at median useful	L80	
life* 50,000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	10%	
Product Data		
Order product name	BVP415 1340/757 PSDMX 230V BV S2 T25	
Full product name	BVP415 1340/757 PSDMX 230V BV S2 T25	
Full EOC	871869911607100	
Order code	11607100	
Material no. (12 NC)	912300023820	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8718699116071	
Numerator – packs per outer box	1	
EAN/UPC - Case	8718699116071	

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Dimensional drawing





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