PHILIPS Lighting



ArenaVision LED gen2

BVP415 1340/757 PSDMX 230V HGB 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	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	134,000 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	106 lm/W

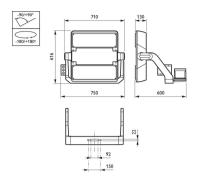
ArenaVision LED gen2

Color rendering index (CRI)	≥70	Overall heigh
Light source color	757 cool white	Effective pro
Optical cover type	Polycarbonate bowl/cover	Dimensions (
Luminaire light beam spread	6° x 6°	
Optic type outdoor	Beam category S2	Approval a
		Ingress prote
Operating and Electrical		Mech. impac
Input Voltage	230 V	Surge Protec
Line Frequency	50 Hz	
Inrush current	30 A	Protection cl
Inrush time	16 ms	
Power Consumption	981 W	Initial Perfe
Power Factor (Fraction)	0.95	Luminous flu
Connection	Push-in connector and pull relief	Initial chrom
Cable	-	Power consu
Number of products on MCB of 16 A type	2	Init. Color Re
В		
		Over Time
Temperature		Control gear
Ambient temperature range	-40 to +50 °C	life 50000 h
		Lumen maint
Controls and Dimming		life* 50000 l
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit with DMX interface	Application
Control interface	Dynamix DMX	Performance
Constant light output	No	Maximum di
Mechanical and Housing		Product Da
Housing Material	Aluminum	Order produc
Reflector material	Polycarbonate	Full product
Optic material	Polycarbonate	Full product
Optical cover material	Polycarbonate	Order code
Fixation material	Aluminum	Material Nr. (
Housing Color	Aluminum	Numerator -
Mounting device	Mounting bracket adjustable	EAN/UPC - F
Optical cover shape	Flat	Numerator -
Optical cover finish	Clear	EAN/UPC - C
Overall length	750 mm	
Overall width	616 mm	

Overall height	600 mm
Effective projected area	0.380 m²
Dimensions (Height x Width x Depth)	600 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
Suge Protection (Common/Dimerential)	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 Compl	iant)
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful	5%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h	5%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	5 % L80
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	5 % L80 25 ℃
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	5 % L80 25 ℃
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	5 % L80 25 °C 10%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	5 % L80 25 °C 10% BVP415 1340/757 PSDMX 230V HGB S2 T25
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	5 % L80 25 °C 10% BVP415 1340/757 PSDMX 230V HGB S2 T25 BVP415 1340/757 PSDMX 230V HGB S2 T25
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	5 % L80 L80 25 °C 10% BVP415 1340/757 PSDMX 230V HGB 52 T25 BVP415 1340/757 PSDMX 230V HGB 52 T25 871869911608800
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	5 % L80 L80 25 °C 10% BVP415 1340/757 PSDMX 230V HGB S2 T25 BVP415 1340/757 PSDMX 230V HGB S2 T25 BVP415 1340/757 PSDMX 230V HGB S2 T25 871869911608800 912300023821
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	5 % L80 L80 25 °C 10% BVP415 1340/757 PSDMX 230V HGB 52 T25 BVP415 1340/757 PSDMX 230V HGB 52 T25 871869911608800 912300023821 912300023821
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Dimensional drawing





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