



ArenaVision LED gen3.5

BVP418 1650/857 BV S2 T35 OUT PSDMX

ArenaVision LED gen3.5, Floodlight for televised sports, 1010 W, 145200 lm, 5700 K, CRI80, Symmetrical, IP66

The ArenaVision LED floodlighting system is an innovative LED pitch-lighting solution supporting the latest TV broadcasting standards. Designed exclusively for sports and multi-purpose venues, ArenaVision LED offers outstanding light quality, effective thermal management, and long lifetime. When combined with control applications such as the InteractSports lighting management system, ArenaVision LED can simplify the delivery of the right illumination by scheduling or through real-time adjustments and can be used to create customized light shows before, during and after the main event. To ensure optimized use for both indoor and outdoor applications, the floodlight range includes two single piece pressure die cast housing versions, hosting 2 and 3 LED engines respectively. These versions also 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). This external driver box ensures ease of installation and lower initial cost.

Product data

General Information	
Lamp family code	LED1650 [LED module 165000 lm]
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification

Warranty period	5 years
Light Technical	
Upward light output ratio	0
Luminous Flux	145,200 lm
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	144 lm/W
Color rendering index (CRI)	80

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Light source color	857 daylight
Luminaire light beam spread	2° x 10°
Optic type outdoor	Symmetrical
Effective projected area	0.373 m ²

Operating and Electrical

Input Voltage	230-400 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.160 ms
Power Consumption	1,010 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole

Cable	-
Number of products on MCB of 16 A type B	1
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode
Total harmonic distortion	16 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DMX interface
Constant light output	No

Mechanical and Housing

Housing Material	Aluminium
Reflector material	-
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	538 mm
Overall width	695 mm
Overall height	434 mm
Dimensions (Height x Width x Depth)	434 x 695 x 538 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Optical cover type	Polycarbonate bowl/cover clear
Net Weight (Piece)	29.000 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark

EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +55 °C
FIFA Quality Programme for Floodlights	FIFA Quality Pro

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L90

Sustainability Data

Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	304 kg CO _{2e}
Product non-virgin material ratio	48.2 %
Recyclable content ratio of the finished product	51 %
GWP total B6 (kg CO _{2eq}) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh)
GWP total B6 (kg CO _{2eq}) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO _{2eq} / kWh)

Product Data

Order product name	BVP418 1650/857 BV S2 T35 OUT PSDMX
Full product name	BVP418 1650/857 BV S2 T35 OUT PSDMX
Full product code	872016955302600
Order code	912300060414
Material Nr. (12NC)	912300060414
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169553026
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169553026
Product family code	BVP418 [ARENAVISION LED GEN3.5 SMALL]

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Dimensional drawing

