
APPENDIX 2 - PROPOSED LED LIGHT FITTING & COLUMN DETAIL

Project Details

PROJECT : FLOODLIGHT FOUR TENNIS COURTS

CLIENT : GIDEA PARK L.T.C.

AREA : COURT NRS 4 - 7

SPORTS FACILITY PLANNING AND DESIGN LIMITED

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Clearflood gen2

BVP657 LED930-4S/740 A55-MB LO

Clearflood gen2, 451 W, 93000 lm, 4000 K, CRI70, Asymmetrical, IP66

This new generation of Clearflood range brings the total cost of ownership of your project to the next level. The range comes in 3 sizes (BVP655, BVP656, BVP657) with several finishing and serviceability options, and leverages on the light engine of our Recreational Sports & Area flagship floodlight. This light engine is optimised for sports applications, as well as large areas, such as logistical hubs, outdoor car parks and storage areas. Now an innovative design approach allows the availability of connected options such as the SR socket, fully integrated on the floodlight housing, and a multi-sensor on the bracket. The product range is compatible with Interact systems. The floodlight is also compatible with other external control systems through DALI. Integral louvres are available (LT, LTM, LO) to reduce overspill and glare on projects where an application area has a requirement for additional spill control

Product data

General Information			
Lamp family code	LED930 [LED module 93000 lm]	Correlated Colour Temperature	4000 K
Number of gear units	3 units	Colour rendering index (CRI)	70
Driver included	Yes	Light source colour	Neutral white
Light source engine type	LED	Optical cover type	Clear glass
Product family code	BVP657 [CLEARFLOOD GEN2 LARGE]	Luminaire light beam spread	6° - 21° x 99°
Value ladder	Specification	Optic type outdoor	Asymmetrical
		Total harmonic distortion	6 %
Light Technical		Operating and Electrical	
Upwards light output ratio	0	Input Voltage	230 V
Standard tilt angle post-top	-	Line Frequency	50 to 60 Hz
Standard tilt angle side entry	-	Inrush current	77 A
Luminous efficacy (rated) (nom.)	129 lm/W	Inrush time	150 ms
		Power Consumption	451 W

Clearflood gen2

Power Factor (Fraction)	0.99
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	3

Temperature

Ambient temperature range	-40°C to 50°C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit
Control interface	-
Constant light output	No

Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Aluminium
Housing Colour	Aluminium
Mounting device	Mounting bracket adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	711 mm
Overall width	720 mm
Overall height	139 mm
Effective projected area	0.37 m²
Dimensions (height x width x depth)	139 x 720 x 711 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)	6/8 kV
Sustainability rating	Lighting for circularity

Protection class IEC	Safety class I
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC plus mark
Warranty period	5 years
EU RoHS compliant	Yes

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.329,0.342)
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life	10 %
100,000 h	
Lumen maintenance at median useful life*	L94
100,000 h	

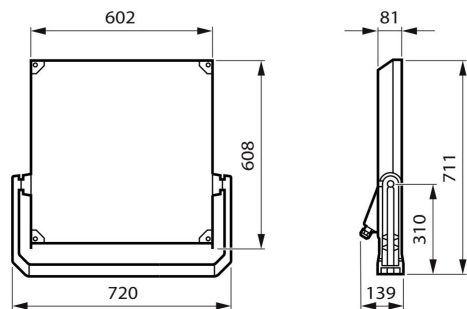
Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BVP657 LED930-4S/740 A55-MB LO
Full product name	BVP657 LED930-4S/740 A55-MB LO
Full EOC	
Order code	
Material no. (12 NC)	Configured BVP657i
Numerator – quantity per pack	1
EAN/UPC — Product/Case	Configured BVP657i
Numerator – packs per outer box	1
EAN/UPC - Case	Configured BVP657i

Dimensional drawing







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Product data

General Information			
Lamp family code	LED9300 [LED module 93000 lm]	Correlated Colour Temperature	4000 K
Number of gear units	3 units	Colour rendering index (CRI)	70
Driver included	Yes	Light source colour	Neutral white
Light source engine type	LED	Optical cover type	Clear glass
Product family code	BVP657 [CLEARFLOOD GEN2 LARGE]	Luminaire light beam spread	6° - 21° x 99°
Value ladder	Specification	Optic type outdoor	Asymmetrical
		Total harmonic distortion	6 %
Light Technical		Operating and Electrical	
Upwards light output ratio	0	Input Voltage	230 V
Standard tilt angle post-top	-	Line Frequency	50 to 60 Hz
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