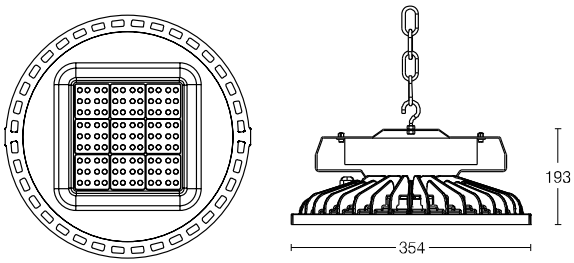
CIRCLE M 120W

HIGH BAY LUMINAIRES

IP66 IK09 EN60598 CE



PRODUCT DATA

General Information	
Number of light source	108 pcs
LED module	Mid Power LED's on alu-PCB
Light distribution	40°- 60°- 90°
Light source colour	3000K-4000K
Number of gear unit	1 unit
Driver / power unit	PS (Constant current)
Driver included	Yes
Optical cover / lens type	Multi lens
Control interface	On/Off
Connection	-
Cable	3x1,5 mm^2
Protection class IEC	Safety class I
CE mark	CE mark
ENEC mark	-
Warranty period	5 years
Optic type	Symmetric
EU RoHS compliant	Yes
Light source engine type	LED
LDT / IES photometric file	Available
Life span	Estimated average 50.000 hours
MacAdams	CCT tolerance within a 3 step MacAdams ellipse
Product code	80-002-120-108-XX-X (XX: Lens angle, X: Led colour)

Operating and Electrical	
Input Voltage	100-305 V AC
Input frequency	50 to 60 Hz
Inrush current	546 mA
Power factor (min.)	0.92

Control and Dimming	
Dimmable(optional)	1-10V - DALI
DMX	-

Mechanical and Housing	
Housing material	Aluminium die-cast
Gasket	Silicone
Optic material	PMMA
Optical cover / lens material	Glass (5mm)
Fixation material	Stainless steel
Mounting device	-
Effective projected area	0,13m^2
Colour	Grey
Dimensions (height x width x depth)	354 x 354 x 193 mm

Approval and Application	
Ingress protection code	IP66
Mech. impact protection code	IK09
Surge protection (common/differential)	6 KV/4KV (10KV/6KV optional)

Initial Performance (IEC Compliant)	
Module luminous flux	17209 lm (4000K) / 16354 lm (3000K)
Luminaire luminous flux	16177 lm (4000K) / 15373 lm (3000K)
LED luminaire efficiency	135 lm (4000K) / 129 lm (3000K)
Colour Temperature	4000K / 3000K
	6500K also available up on request.
Colour rendering index	>70
Rated LED power	109W
Rated luminare power	120W

Application Conditions	
Ambient temperature range	-25°C to +55°C
Maximum dimming level	-
Net weight (piece)	5,7 kg

Fixture Run Length To calculate fixture run lenghts and total power consumption for your specific installation, please ask to company assistant

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