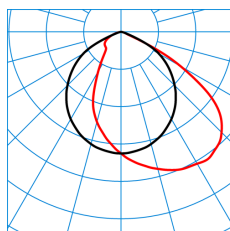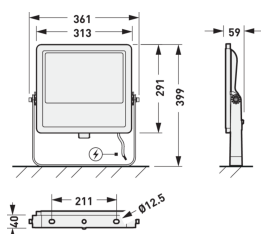# 2390 G2 AM9L 80/100/150/ML-8MC 1G1W ET

TOC: 8420840

Product description

Luminaire type
LED floodlight for planar lighting and accent lighting.

Light management
A motion sensor/brightness sensor can be combined with the spotlight as an optional accessory without tools.

Mounting methods
Pivotable fixing bracket for suspended and vertical mounting.

Optical system
Optical system consists of a PC lens optic. Cover of light emission aperture of clear non-laminated safety glass. With asymmetric medium wide light distribution.

LED system
Luminaire luminous flux adjustable in 3 steps, light color adjustable in 2 steps. Luminaire luminous flux 8000 lm - 15000 lm, connected load 56 W - 120 W, Power Faktor λ > 0,95, maximum luminous efficiency of luminaire 143 lm/W. Light colour warm white or neutral white, correlated colour temperature (CCT) 3000 K or 4000 K, general colour rendering index (CRI) R $_a$ > 80. Colour locus tolerance (initial MacAdam) ≤ 5 SDCM. Mean rated service life L $_{80}$ (t $_q$ 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020).

Luminaire body
Spotlight body of die-cast aluminium. Surface coated black (RAL 9005). Dimensions (L x W): 391 mm x 344 mm, luminaire height 51 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP65, impact resistance level in accordance with IEC 62262: IK08. Weight: 4,2 kg.

Electrical version
With electronic control gear unit, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

Product features and key data

Luminaire type	LED floodlight for planar lighting and accent lighting.	
Mounting method	Outdoor mast-mounted|Outdoor directional mounting|Surface-mounting	
Luminaire optic	Optical system consists of a PC lens optic.	
Light Engine	Level 1	Level 6
Colour temperature	3000 K	4000 K
Rated luminous flux	8000 lm	15000 lm
Connected load	56,00 W	120,00 W
Luminous efficacy	143 lm/W	125 lm/W
Service life	L80 (25 °C) = 50.000 h	
Colour rendering index	80	
Colour tolerance	5 SDCM	
Photobiological class	Group 1 - no risk	
Luminaire colour	RAL9005 Jet black	
Luminaire body	Spotlight body of die-cast aluminium.	

Product features and key data

Electrical version	With electronic control gear unit, switchable.
Surge voltage resistance (differential	6 kV
Surge voltage resistance (common m	8 kV
Connection method	Connection cable
Mains voltage	220 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	10 %
Ingress Protection (IP) rating	IP65
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	650 °C
Ambient temperature	50 °C
Max. Luminaires B10	10
Max. Luminaires B16	17
Max. Luminaires C10	17
Max. Luminaires C16	28
Net length	391 mm
Net width	344 mm
Net height	51 mm
Weight	4,2 kg

Light Engine Data

Light Engine	Color temperature	Rated light current	Power supply value	Type	Luminous efficacy
Level 1	3000 K	8000 lm	56,00 W		143 lm/W
Level 2	3000 K	10000 lm	73,00 W		137 lm/W
Level 3	3000 K	15000 lm	120,00 W		125 lm/W
Level 4	4000 K	8000 lm	56,00 W		143 lm/W
Level 5	4000 K	10000 lm	73,00 W		137 lm/W
Level 6	4000 K	15000 lm	120,00 W		125 lm/W

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	MFLA-L31.3-107W G1

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