FACTOR LED XL C5-M 1M 85650LM 840 50D DALI IP66 (643W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	489488
Ingress protection:	IP66
Rated power of the luminaire [W]*:	643
Luminous flux [lm]*:	85650
Colour temperature [K]:	4000
Color rendering index (Ra) >:	80
Electrical protection class:	I
Energy efficiency class:	D
Warranty [years]:	5
Impact resistance:	IK09

CHARACTERISTICS

Very high-power floodlights used in the most demanding investments, professional sports facilities, football stadiums, where sporting events are broadcast by television in accordance with the highest standards. The prototype in the FACTOR family is the highly acclaimed FACTOR LED floodlight, consisting of 1-4 modules with a maximum luminous flux of approx. 150,000 lm. The new FACTOR XL series raises the bar by almost doubling the maximum luminous flux using only three modules and the highest luminous efficacy. All this is thanks to a compact and efficient design, which also translates into lower investment and operating costs for the facility. The exceptional quality of light is ensured by branded LEDs and professional optical systems. Excellent tightness and impact resistance parameters ensure operation in the most difficult weather conditions. All versions are equipped with DALI power supplies, which can also operate in standard on/off mode.

APPLICATION

Ports, quays, shipyards, drilling platforms and offshore infrastructure, chemical industry and refineries, bridges and infrastructure exposed to marine conditions, lighting on ships and ferries, industrial areas, sports fields, airports, car parks with high humidity and salinity. It can be used and works well both inside industrial, warehouse and sports halls, logistics centres, as well as outside – on sports fields, airports, car parks and manoeuvring areas. It can also illuminate building facades and external architectural elements.

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TECHNICAL PARAMETERS TABLE

Index:	489488
EAN:	5905963489488
Light source:	LED module
Rated power of the luminaire [W]:	643
Luminous flux [lm]:	85650
Supply voltage [V]:	220-240
Luminous efficacy [lm/W]:	133
Energy efficiency class:	D
Electrical protection class:	I
Colour temperature [K]:	4000
Color rendering index (Ra) >:	80
Mounting dimensions [mm]:	302/79
Ingress protection:	IP66
DIMM DALI:	yes
Version:	1M
Light distribution type:	symmetric
Corrosivity category:	C5-M
Frequency [Hz]:	47-63
LED lifespan L70B50 [h]:	1775000
LED lifespan L80B10 [h]:	108000
LED lifespan L90B10 [h]:	108000

Beam angle [°]:	50
Surge protection [kV]:	6
Diffuser material:	PC
Diffuser type:	matrix led
Material of the body:	aluminium
Colour of the body:	RAL7016
Dimensions (H/W/T/S) [mm]:	368/624/227
Impact resistance:	IK09
Mounting version:	top
Working temperature [°C]:	from -40 to +35
Dimensions of single box [mm]:	630/390/150
Net weight [kg]:	12.100
Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Warranty [years]:	5
CE certificate:	76/2026
ENEC Certificate:	0404/ENEC/25
Environmental Product Declaration (EPD):	816/2025
ISO Certificates:	9001:2015. 14001:2015, 45001:2018, 50001:2018
Manual:	Download PDF
Plik LDT:	Download

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DETAILED CARD

ACCESSORIES AVAILABLE

index	Name
489815	FACTOR LED XL laser sight
489846	Factor LED XL 1M–3M C5M – diffuser



FACTOR LED XL laser sight (489815)



Factor LED XL 1M–3M C5M – diffuser (489846)

Card creation date: 23 July 2026

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%

This product is a subject to electric andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 76/2026

LENA LIGHTING

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