

# FACTOR LED XL C5-M 1M 91600LM 740 50D DALI IP66 (643W)

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	489099
<b>Ingress protection:</b>	IP66
<b>Rated power of the luminaire [W]*:</b>	643
<b>Luminous flux [lm]*:</b>	90684
<b>Colour temperature [K]:</b>	4000
<b>Color rendering index (Ra) &gt;:</b>	70
<b>Electrical protection class:</b>	I
<b>Energy efficiency class:</b>	C
<b>Warranty [years]:</b>	5
<b>Impact resistance:</b>	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.

## 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

<b>Index:</b>	489099	<b>Beam angle [°]:</b>	50
<b>EAN:</b>	5905963489099	<b>Surge protection [kV]:</b>	6
<b>Light source:</b>	LED module	<b>Diffuser material:</b>	PC
<b>Rated power of the luminaire [W]:</b>	643	<b>Diffuser type:</b>	matrix led
<b>Luminous flux [lm]:</b>	90684	<b>Material of the body:</b>	aluminium
<b>Supply voltage [V]:</b>	220-240	<b>Colour of the body:</b>	RAL7016
<b>Luminous efficacy [lm/W]:</b>	142	<b>Dimensions (H/W/T/S) [mm]:</b>	368/624/227
<b>Energy efficiency class:</b>	C	<b>Impact resistance:</b>	IK09
<b>Electrical protection class:</b>	I	<b>Mounting version:</b>	top
<b>Colour temperature [K]:</b>	4000	<b>Working temperature [°C]:</b>	from -40 to +35
<b>Color rendering index (Ra) &gt;:</b>	70	<b>Dimensions of single box [mm]:</b>	630/390/150
<b>Mounting dimensions [mm]:</b>	302/79	<b>Net weight [kg]:</b>	12.100
<b>Ingress protection:</b>	IP66	<b>Photobiological safety:</b>	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
<b>DIMM DALI:</b>	yes	<b>Warranty [years]:</b>	5
<b>Version:</b>	1M	<b>CE certificate:</b>	<a href="#">76/2026</a>
<b>Light distribution type:</b>	symmetric	<b>ENEC Certificate:</b>	<a href="#">0404/ENEC/25</a>
<b>Corrosivity category:</b>	C5-M	<b>Environmental Product Declaration (EPD):</b>	<a href="#">816/2025</a>
<b>Frequency [Hz]:</b>	47-63	<b>ISO Certificates:</b>	9001:2015, 14001:2015, 45001:2018, 50001:2018
<b>LED lifespan L70B50 [h]:</b>	1775000	<b>Manual:</b>	<a href="#">Download PDF</a>
<b>LED lifespan L80B10 [h]:</b>	1105000	<b>Plik LDT:</b>	<a href="#">Download</a>
<b>LED lifespan L90B10 [h]:</b>	518000		

Card creation date: 28 January 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 and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 76/2026