# FACTOR LED XL C5-M 1M 85650LM 840 35D DALI IP66 (643W)

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 489433 |
| **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:** | 489433 |
| **EAN:** | 5905963489433 |
| **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 [°]:** | 35 |
| **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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## 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)



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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