# EXPO OPTIMA SURFACE 4850LM DALI 38D BLACK MATT TEXTURE 840 32W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 286902 |
| **Ingress protection:** | IP20 |
| **Rated power of the luminaire [W]*:** | 32 |
| **Luminous flux [lm]*:** | 4850 |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **SDCM:** | 3 |
| **Electrical protection class:** | II |
| **Energy efficiency class:** | C |
| **Material of the body:** | aluminium |

## CHARACTERISTICS

Expo Optima – The Essence of Efficiency in a New Form. Expo Optima is an extension of the acclaimed Expo Modular system. Designed for projects where the balance between aesthetics and economy is paramount, this luminaire retains the highest lighting performance whilst offering a simplified and more minimalist design.
Key design features:
Minimalist Design: The luminaire has been stripped of its decorative ring, giving it a sleek, modern look that blends seamlessly into the ceiling.
Optimised Optics: Focusing on the most popular beam angles (20°, 38°, 60°) allows for precise lighting of selected areas without unnecessary complexity.
High Efficiency: The use of modern LED modules achieves an efficiency of up to 170 lm/W (for the 11W version), translating into real operational savings.
Installation Flexibility: The availability of both track-mounted and surface-mounted versions allows for consistent lighting of the premises regardless of the technical conditions of the ceiling.

## APPLICATION

Thanks to a wide range of standard and specialist colours, the luminaire is an extremely versatile tool for designers:

1. Food and Retail Sector
Thanks to dedicated light spectra, the luminaire perfectly highlights the freshness of products:
Baked goods: Warm colours that emphasise the golden, crispy crust.
Meat and Cold Cuts: Specialised ‘Fresh Meat’ and ‘White Meat’ modules for refrigerated display counters.
Fruit and Fish: Optional colours that bring out natural colour saturation.
2. Retail Outlets and Boutiques. Ideal for general and accent lighting in clothing shops (dedicated spectrum for textiles) and large-scale showrooms, where maintaining a high colour rendering index (CRI 90) at a lower unit cost per luminaire is key.
3. Commercial and Office Spaces. The surface-mounted version is ideal for conference rooms and corridors, whilst the track version allows for dynamic lighting arrangements in modern open-plan offices.
4. Galleries and Exhibitions (Budget). Thanks to the availability of various beam angles and proprietary reflectors (e.g. oval), the luminaire allows for the creative shaping of exhibition spaces.

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| | |
|---|---|
| **Index:** | 286902 |
| **EAN:** | 5905963286902 |
| **Light source:** | COB |
| **Rated power of the luminaire [W]:** | 32 |
| **Supply voltage [V]:** | 220-240 |
| **Frequency [Hz]:** | 0/50/60 |
| **Luminous flux [lm]:** | 4850 |
| **Luminous efficacy [lm/W]:** | 152 |
| **Energy efficiency class:** | C |
| **Electrical protection class:** | II |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **SDCM:** | 3 |
| **Beam angle [°]:** | 38 |
| **Optics material:** | aluminium |
| **Optics:** | reflector |
| **Material of the body:** | aluminium |
| **Colour of the body:** | black matt texture |

| | |
|---|---|
| **Mounting dimensions [mm]:** | 50(2xø5) |
| **Ingress protection:** | IP20 |
| **LED lifespan L80B10 [h]:** | 100000 |
| **LED lifespan L90B10 [h]:** | 50000 |
| **Working temperature [°C]:** | from 0 to +35 |
| **Mounting version:** | surface |
| **DIMM DALI:** | yes |
| **Number on the palette [pcs]:** | 255 |
| **Net weight [kg]:** | 1.145 |
| **Gross weight [kg]:** | 1.360 |
| **Category type:** | spotlight |
| **Photobiological safety:** | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| **Warranty [years]:** | 5 |
| **CE certificate:** | 61/2026 |
| **Manual:** | Download PDF |
| **ISO Certificates:** | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |
| **Plik LDT:** | Download |



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: 61/2026

LENA LIGHTING

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