# EXPO MODULAR SURFACE 1600LM 50X50D BLACK MATT TEXTURE 940 12W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 251108 |
| **Ingress protection:** | IP20 |
| **Rated power of the luminaire [W]*:** | 12 |
| **Luminous flux [lm]*:** | 1600 |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 90 |
| **Material of the body:** | aluminium |
| **Colour of the body:** | black matt texture |
| **Optics:** | reflector |
| **Beam angle [°]:** | 50/50 |

## CHARACTERISTICS

Expo Modular – a tool for creating a conscious lighting composition.EXPO Modular is a ground-up projector luminaire that opens up a range of new functionalities for the user. Low UGR glare, precise optics, a high CRI, and the ability to expand the luminaire's functionality or give it a personalized character with a wide range of accessories, such as ecoPET diffusers or custom 3D-printed shades, diffusers, and covers. The luminaire's design ensures optimal thermal management and allows for variable beam angles, as well as customizable ring and housing colors. EXPO Modular is a high-quality aluminum projector with a COB LED light source. It is universally compatible with track systems. It emits no ultraviolet or infrared radiation, has a high color rendering index, high luminous efficacy, and is highly durable.50×50 Satin Reflector – Lighting tailored to the display geometry. The 50x50 square reflector allows for precise light composition within the object's form, especially for rectangular and square objects. It is ideal for modern, geometric arrangements: tasting tables, premium shelving, graphics, and display cases with clearly defined display areas. It helps organize the design and emphasize the attention to detail characteristic of high-end boutiques and delicatessens by focusing light on rectangular display islands without spilling it onto the floor space or reducing the desired contrast between the display and its surroundings.

## APPLICATION

The 50x50 satin reflector allows for precise adjustment of light to the geometry of the displayed objects, creating an even, square spot of light that perfectly complements rectangular and square display forms. This prevents light from spilling outside the outline of the presentation, maintaining the clarity of the composition and emphasizing the attention to detail characteristic of modern, premium arrangements.This light distribution is ideal for spaces where visual discipline and coherence between light and architecture are key – on tasting tables, display islands, shelves with clearly defined geometry, or when illuminating graphics and panels. The square spot of light organizes the presentation, enhances the readability of the layout, and allows for precise highlighting of vertical surfaces and details without unduly illuminating the floor.It is used in boutiques, offices, exhibitions, museums, and markets, particularly where the display should be uncluttered, modern, and geometric, and the light should harmonize with the object's form rather than merely illuminate it.

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DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 251108 |
| **EAN:** | 5905963251108 |
| **Light source:** | COB |
| **Rated power of the luminaire [W]:** | 12 |
| **Supply voltage [V]:** | 220-240 |
| **Frequency [Hz]:** | 0/50/60 |
| **Luminous flux [lm]:** | 1600 |
| **Luminous efficacy [lm/W]:** | 133 |
| **Energy efficiency class:** | D |
| **Electrical protection class:** | II |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 90 |
| **SDCM:** | 3 |
| **Power factor:** | 0.98 |
| **Beam angle [°]:** | 50/50 |
| **Exchangeable source:** | yes |
| **Optics material:** | aluminium |
| **Optics:** | reflector |
| **Material of the body:** | aluminium |
| **Colour of the body:** | black matt texture |

| | |
|---|---|
| **Ring material:** | aluminium |
| **Ring colour:** | black |
| **Dimensions (H/W/T/S) [mm]:** | 241.9/202/ø82 |
| **Mounting dimensions [mm]:** | 50(2xø5) |
| **Ingress protection:** | IP20 |
| **Mounting version:** | surface |
| **Dimensions of single box [mm]:** | 245/230/90 |
| **Number on the palette [pcs]:** | 270 |
| **Net weight [kg]:** | 1.145 |
| **Gross weight [kg]:** | 1.255 |
| **LED lifespan L70B50 [h]:** | 50000 |
| **LED lifespan L80B10 [h]:** | 100000 |
| **LED lifespan L90B10 [h]:** | 50000 |
| **Working temperature [°C]:** | from 0 to +35 |
| **Photobiological safety:** | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| **Warranty [years]:** | 5 |
| **CE certificate:** | 156/2025 |
| **Manual:** | Download PDF |
| **ISO Certificates:** | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |
| **Plik LDT:** | Download |

Card creation date: 13 March 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: 156/2025

LENA LIGHTING

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