# EXPO MODULAR SURFACE 1600LM 60D WHITE MATT TEXTURE 940 12W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 251498 |
| **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:** | white matt texture |
| **Optics:** | reflector |
| **Beam angle [°]:** | 60 |

## 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 shades, diffusers, and 3D-printed 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.60° Satin Reflector – a wide, soothing layer of general light.The 60° reflector provides a wide, harmoniously diffused light distribution. It works perfectly in areas where maintaining visual coherence and high comfort is essential: in display aisles, over product islands, or in spaces where light serves as a backdrop and fills the space. It minimizes shadows, organizes the space, and creates a base for accents – illuminating the space with light that fills and softly shapes the interior architecture.

## APPLICATION

The 60° satin reflector creates a wide, calm, and evenly dispersed layer of light that acts as a visual backdrop for the entire space. Its subtle luminance and minimal shadows ensure high visual comfort and consistent brightness across larger areas. This light structured the interior, balancing luminance levels, and creating a harmonious, perceptually uncluttered space.This distribution is ideal for areas where light should fill rather than dominate—in passageways, over product islands, in shared areas, or in larger display spaces. It is particularly effective for illuminating graphics, panels, display cases, and modernist and geometric arrangements, where a uniform light background emphasizes form without introducing unnecessary contrast.It is used in boutiques, offices, exhibitions, museums, and markets—anywhere requiring a broad, calming layer of general lighting that provides a foundation for further accentuation.

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DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 251498 |
| **EAN:** | 5905963251498 |
| **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 [°]:** | 60 |
| **Exchangeable source:** | yes |
| **Optics material:** | aluminium |
| **Optics:** | reflector |
| **Material of the body:** | aluminium |
| **Colour of the body:** | white matt texture |

| | |
|---|---|
| **Ring material:** | aluminium |
| **Ring colour:** | white |
| **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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