EXPO MODULAR SURFACE 1600LM 50X50D RAW 940 12W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	251160
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:	raw aluminium
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.

EXPO MODULAR SURFACE 1600LM 50X50D RAW 940 12W

DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	251160
EAN:	5905963251160
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:	raw aluminium

Ring material:	aluminium
Ring colour:	raw
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

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl