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

DETAILED CARD



TECHNICAL PARAMETERS

Index:	251467
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 [°]:	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.

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

DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	251467
EAN:	5905963251467
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:	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

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