EXPO MODULAR SURFACE 1600LM 26D BLACK MATT TEXTURE 940 12W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	251221
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 [°]:	26

CHARACTERISTICS

Expo Modular — a tool for creating conscious lighting compositions. EXPO Modular is a projector luminaire developed from scratch, which opens up a range of new functionalities for the user. Low UGR glare rating, precise optics, high CRI, the ability to expand the luminaire's functionality or give it a unique character through a wide range of accessories such as ecoPET diffusers or accessories including unusual shades, diffusers and 3D-printed covers. The luminaire's design ensures optimal thermal performance and allows for changing the lighting angles, as well as customising the colour of the ring and body. EXPO Modular is a high-quality aluminium projector with a COB LED light source. Universal application with a busbar system. No ultraviolet or infrared radiation, high colour rendering index, high luminous efficacy and high durability. 26° Mirror reflector — gallery-style spot lighting. The 26° reflector creates an intense, concentrated beam of light with a high contrast centre spot but with a soft transition. It is ideal when the goal is to achieve strong accents: highlighting products, but also structural details or elements that are to serve as a 'key accent' in the space without sharply cutting them off from the surrounding space. Spot lighting organises compositions and gives them a hierarchy — subtly but decisively directing the viewer's attention to the object.

APPLICATION

The 26° mirror reflector is used wherever focused, directional accent lighting is needed, lending a clear visual hierarchy to the space. It creates an intense, contrasting beam of light with a distinct center and a soft transition to the surroundings, allowing the object to stand out strongly without aggressively cutting it off from the rest of the interior. This type of light creates a gallery effect—directing the viewer's attention to a single, precisely defined spot, emphasizing the form, structure, and shine of materials.In practice, it works perfectly in displays where highlighting detail, adding drama to products, and creating accent points that organize the interior composition are key. This solution is ideal for boutiques, where the light should guide the eye to the most important elements of the collection, as well as for offices, where selected architectural elements or visual communication are emphasized. It works equally well in exhibitions, museums, and markets, where precise lighting allows for building a display narrative and highlighting objects of particular significance.

EXPO MODULAR SURFACE 1600LM 26D BLACK MATT TEXTURE 940 12W

DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	251221
EAN:	5905963251221
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 [°]:	26
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