EXPO OPTIMA SURFACE 2800LM 20D BLACK MATT TEXTURE 927 21W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	286995
Ingress protection:	IP20
Rated power of the luminaire [W]*:	21
Luminous flux [lm]*:	2800
Colour temperature [K]:	2700
Color rendering index (Ra) >:	90
SDCM:	3
Electrical protection class:	II
Energy efficiency class:	D
Material of the body:	aluminium

CHARACTERISTICS

Expo Optima – The Essence of Efficiency in a New Form. Expo Optima is an extension of the acclaimed Expo Modular system. Designed for projects where the balance between aesthetics and economy is paramount, this luminaire retains the highest lighting performance whilst offering a simplified and more minimalist design.
Key design features:
Minimalist Design: The luminaire has been stripped of its decorative ring, giving it a sleek, modern look that blends seamlessly into the ceiling.
Optimised Optics: Focusing on the most popular beam angles (20°, 38°, 60°) allows for precise lighting of selected areas without unnecessary complexity.
High Efficiency: The use of modern LED modules achieves an efficiency of up to 170 lm/W (for the 11W version), translating into real operational savings.
Installation Flexibility: The availability of both track-mounted and surface-mounted versions allows for consistent lighting of the premises regardless of the technical conditions of the ceiling.

APPLICATION

Thanks to a wide range of standard and specialist colours, the luminaire is an extremely versatile tool for designers:

1. Food and Retail Sector
Thanks to dedicated light spectra, the luminaire perfectly highlights the freshness of products:
Baked goods: Warm colours that emphasise the golden, crispy crust.
Meat and Cold Cuts: Specialised ‘Fresh Meat’ and ‘White Meat’ modules for refrigerated display counters.
Fruit and Fish: Optional colours that bring out natural colour saturation.
2. Retail Outlets and Boutiques. Ideal for general and accent lighting in clothing shops (dedicated spectrum for textiles) and large-scale showrooms, where maintaining a high colour rendering index (CRI 90) at a lower unit cost per luminaire is key.
3. Commercial and Office Spaces. The surface-mounted version is ideal for conference rooms and corridors, whilst the track version allows for dynamic lighting arrangements in modern open-plan offices.
4. Galleries and Exhibitions (Budget). Thanks to the availability of various beam angles and proprietary reflectors (e.g. oval), the luminaire allows for the creative shaping of exhibition spaces.

EXPO OPTIMA SURFACE 2800LM 20D BLACK MATT TEXTURE 927 21W

DETAILED CARD

TECHNICAL PARAMETERS TABLE

Index:	286995
EAN:	5905963286995
Light source:	COB
Rated power of the luminaire [W]:	21
Supply voltage [V]:	220-240
Frequency [Hz]:	0/50/60
Luminous flux [lm]:	2800
Luminous efficacy [lm/W]:	133
Energy efficiency class:	D
Electrical protection class:	II
Colour temperature [K]:	2700
Color rendering index (Ra) >:	90
SDCM:	3
Beam angle [°]:	20
Optics material:	aluminium
Optics:	reflector
Material of the body:	aluminium

Colour of the body:	black matt texture
Mounting dimensions [mm]:	50(2xø5)
Ingress protection:	IP20
LED lifespan L80B10 [h]:	100000
LED lifespan L90B10 [h]:	50000
Working temperature [°C]:	from 0 to +35
Mounting version:	surface
Number on the palette [pcs]:	255
Net weight [kg]:	1.145
Gross weight [kg]:	1.360
Category type:	spotlight
Photobiological safety:	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
Warranty [years]:	5
CE certificate:	61/2026
Manual:	Download PDF
ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018
Plik LDT:	Download

Card creation date: 05 May 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: 61/2026

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