

# EXPO OPTIMA SURFACE 3100LM 20D BLACK MATT TEXTURE 940 21W

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	288081
<b>Ingress protection:</b>	IP20
<b>Rated power of the luminaire [W]*:</b>	21
<b>Luminous flux [lm]*:</b>	3100
<b>Colour temperature [K]:</b>	4000
<b>Color rendering index (Ra) &gt;:</b>	90
<b>SDCM:</b>	3
<b>Electrical protection class:</b>	II
<b>Energy efficiency class:</b>	C
<b>Material of the body:</b>	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.

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<b>Index:</b>	288081	<b>Colour of the body:</b>	black matt texture
<b>EAN:</b>	5905963288081	<b>Mounting dimensions [mm]:</b>	50(2xø5)
<b>Light source:</b>	COB	<b>Ingress protection:</b>	IP20
<b>Rated power of the luminaire [W]:</b>	21	<b>LED lifespan L80B10 [h]:</b>	100000
<b>Supply voltage [V]:</b>	220-240	<b>LED lifespan L90B10 [h]:</b>	50000
<b>Frequency [Hz]:</b>	0/50/60	<b>Mounting version:</b>	surface
<b>Luminous flux [lm]:</b>	3100	<b>Number on the palette [pcs]:</b>	255
<b>Luminous efficacy [lm/W]:</b>	148	<b>Net weight [kg]:</b>	1.145
<b>Energy efficiency class:</b>	C	<b>Gross weight [kg]:</b>	1.360
<b>Electrical protection class:</b>	II	<b>Category type:</b>	spotlight
<b>Colour temperature [K]:</b>	4000	<b>Photobiological safety:</b>	Risk Group 1 (no photobiological hazard under normal behavioral limitation)
<b>Color rendering index (Ra) &gt;:</b>	90	<b>Warranty [years]:</b>	5
<b>SDCM:</b>	3	<b>CE certificate:</b>	<a href="#">61/2026</a>
<b>Beam angle [°]:</b>	20	<b>Manual:</b>	<a href="#">Download PDF</a>
<b>Optics material:</b>	aluminium	<b>ISO Certificates:</b>	9001:2015, 14001:2015, 45001:2018, 50001:2018
<b>Optics:</b>	reflector	<b>Plik LDT:</b>	<a href="#">Download</a>
<b>Material of the body:</b>	aluminium		

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 and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 61/2026