# EXPO MODULAR HR SURFACE 1450LM 18D RAW 840 12W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 271373 |
| **Ingress protection:** | IP20 |
| **Rated power of the luminaire [W]*:** | 12 |
| **Luminous flux [lm]*:** | 1450 |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **Electrical protection class:** | II |
| **Energy efficiency class:** | D |
| **Material of the body:** | aluminium |
| **Colour of the body:** | raw aluminium |

## CHARACTERISTICS

**Expo Modular HR — selective light with full control over perception.** The HR version uses a deeply embedded COB diode and a precise mirror reflector to create light of exceptional purity and minimal glare. It is a solution for spaces where light should be subtle but extremely precise — emphasising the structure, colour and quality of products with minimal illumination of the surroundings. HR 18° Mirror is a selective light of the highest purity, which provides a perfectly defined beam edge, minimal glare and exceptional clarity and precision. It creates a highly selective spatial effect, faithfully reproduces colour and perfectly emphasises texture and material. It is ideal for presenting luxury products, architectural details and displays that require maximum attention. It is suitable for boutiques, offices, exhibitions and museums.

## APPLICATION

HR is ideal for exhibitions where objects need to be strongly distinguished from the background, offices where visual communication elements or architectural accents need to be strongly emphasised. It is used in boutiques, jewellery shops, arts and crafts shops to highlight the most important products, and in delicatessens offering premium products: artisan cheeses, spirits, gourmet products that require special emphasis in the offer, especially in combination with specialised light spectra. The light spot is clear, stable, with a strong and short light transition—exactly what is expected in accent lighting designs while maintaining a soft edge to the light spot. The available angles of 18° and 37° allow you to create both very narrow accents and more universal light. HR is a luminaire for building precision and clear visual narrative—without unnecessary compromises. The optics are available in a full range of light colours.

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## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 271373 |
| **EAN:** | 5905963271373 |
| **Light source:** | COB |
| **Rated power of the luminaire [W]:** | 12 |
| **Supply voltage [V]:** | 220-240 |
| **Frequency [Hz]:** | 0/50/60 |
| **Luminous flux [lm]:** | 1450 |
| **Luminous efficacy [lm/W]:** | 121 |
| **Energy efficiency class:** | D |
| **Electrical protection class:** | II |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **SDCM:** | 3 |
| **Beam angle [°]:** | 18 |
| **LED lifespan L70B50 [h]:** | 50000 |
| **LED lifespan L80B10 [h]:** | 100000 |
| **Power factor:** | 0.98 |
| **Working temperature [°C]:** | from 0 to +35 |
| **Optics material:** | aluminium |

| | |
|---|---|
| **Optics:** | reflector |
| **Material of the body:** | aluminium |
| **Colour of the body:** | raw aluminium |
| **Dimensions (H/W/T/S) [mm]:** | 267.9/202/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]:** | 1.200 |
| **Gross weight [kg]:** | 1.310 |
| **Category type:** | spotlight |
| **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: 16 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

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