# BARIS 40 LED Z 5900LM PRM DALI I IP44 1140 MM 840 BLACK 50W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 454585 |
| **Rated power of the luminaire [W]*:** | 50 |
| **Luminous flux [lm]*:** | 5900 |
| **Colour temperature [K]:** | 4000 |
| **Ingress protection:** | IP44 |
| **Energy efficiency class:** | D |
| **Material of the body:** | aluminium |
| **Colour of the body:** | black |
| **Diffuser material:** | PC |
| **Diffuser type:** | PRM |

## CHARACTERISTICS

Suspended or surface-mounted luminaire with a very narrow cross-section. The bodies are available as an anodised aluminium profile in grey or as an aluminium profile painted in white or black (other colours available on request). The optical system in the form of an opal cover. The optical system in the form of a prismatic diaphragm reduces glare and is characterized by a greater light transmittance than the opal diffuser, which has a direct impact on a higher value of luminous efficacy. The luminaire is equipped with a unique suspension system that facilitates mounting and adjustment of the suspension length. All BARIS 40 LED suspended luminaires to have 1.2m long slings in a set with a box.

## APPLICATION

The luminaire is intended for indoor use. Especially recommended as a source of main lighting conducive to office work. Unique design, energy-saving LED modules and possible integration with external lighting control systems in the DALI standard make this luminaire suitable for use in modern A+ class office buildings, with particular emphasis on representative rooms. Wall lamps are intended, among others for use in corridors, passageways as well as sanitary rooms and bathrooms, where IP44 class is required

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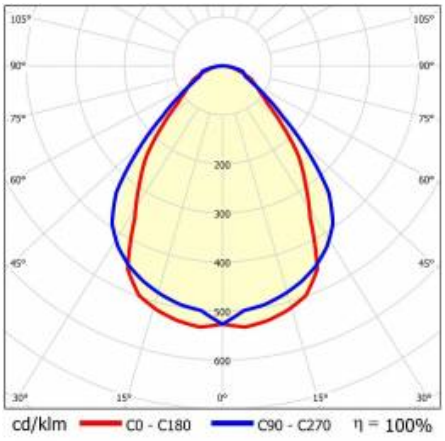
DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 454585 |
| **EAN:** | 4545855905963 |
| **Light source:** | LED |
| **Rated power of the luminaire [W]:** | 50 |
| **Nominal power [W]:** | 47 |
| **Frequency [Hz]:** | 50 - 60 |
| **Luminous flux [lm]:** | 5900 |
| **Luminous efficacy [lm/W]:** | 118 |
| **Energy efficiency class:** | D |
| **Electrical protection class:** | I |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **SDCM:** | 3 |
| **Power factor:** | 0.97 |
| **Diffuser material:** | PC |
| **Diffuser type:** | PRM |
| **Diffuser colour:** | transparent |
| **Material of the body:** | aluminium |
| **Colour of the body:** | black |

| | |
|---|---|
| **Dimensions (H/W/T/S) [mm]:** | 53/40/1140 |
| **Mounting dimensions [mm]:** | 1029 |
| **Ingress protection:** | IP44 |
| **Mounting version:** | suspended |
| **Net weight [kg]:** | 1.660 |
| **Category type:** | luminaires and linear systems |
| **AC voltage range [V]:** | 220 - 240 |
| **LED lifespan L70B50 [h]:** | 109000 |
| **LED lifespan L80B10 [h]:** | 69000 |
| **LED lifespan L90B10 [h]:** | 34000 |
| **DIMM DALI:** | yes |
| **Impact resistance:** | IK06 |
| **Warranty [years]:** | 5 |
| **CE certificate:** | 237/2023 |
| **ENEC Certificate:** | PL BBJ/004/2022/M1/A1 |
| **Manual:** | Download PDF |
| **Environmental Product Declaration (EPD):** | 852/2025 |
| **Category of application:** | office lighting |
| **ISO Certificates:** | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |

## LIGHT CURVES




Card creation date: 13 October 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: 237/2023

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