

# DIONE LED PLUS 1750LM 830 IP65 I KL. RCR AW 3H AT OPAL WHITE 18W

DETAILED CARD



## TECHNICAL PARAMETERS

|                                 |        |
|---------------------------------|--------|
| <b>Index:</b>                   | 952623 |
| <b>Ingress protection:</b>      | IP65   |
| <b>Impact resistance:</b>       | IK10   |
| <b>Nominal power [W]:</b>       | 18     |
| <b>Luminous flux [lm]*:</b>     | 1750   |
| <b>Colour temperature [K]:</b>  | 3000   |
| <b>SDCM:</b>                    | ≤ 3    |
| <b>Energy efficiency class:</b> | F      |
| <b>Material of the body:</b>    | ABS    |
| <b>Ring material:</b>           | ABS    |

## CHARACTERISTICS

Designed from scratch surface mounted, round LED luminaire with integrated, energy-saving LED panel. The fitting introduces new solutions to improve the light distribution and balance of the temperatures. It is characterized by high lighting efficiency and very high IP65 ingress protection. Specially profiled diffuser made of vandal-resistant PC allows keeping the highest degree of impact resistance IK10. It uses a number of proven solutions affecting the speed and ease of the assembly (suspension kit for the diffuser, readiness for through wiring) and component security: diffuser integrated with LED panel. Also available is a body made of ASA material, with excellent UV resistance, suitable for outdoor use. The ceiling ring is used to cover the gap between the luminaire and the surface on which it is mounted. The accessory can be used in prison cells.

Luminaires of the PLUS variant line are fitted with branded components of recognized global manufacturers. It features extended life and warranty, increased light efficiency, and optimal use of electricity (Power Factor).

The fitting is offered in RCR version:

- sensor used to detect motion; for detection uses microwaves (active sensor).

## APPLICATION

Surface-mounted wall or ceiling luminaire intended for indoor use (utility rooms, staircases, circulation routes) or outdoor. It is also available in a version with an RF motion detector which is especially recommended for use in spaces open to the public.

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## TECHNICAL PARAMETERS TABLE

|                                   |            |                                      |   |
|-----------------------------------|------------|--------------------------------------|---|
| Nominal power [W]:                | 18         | Ingress protection:                  | IP65  |
| Light source:                     | LED module | Mounting version:                    | surface   |
| Colour temperature [K]:           | 3000       | Working temperature [°C]:            | from 0 to +25   |
| Luminous flux [lm]:               | 1750       | Motion sensor:                       | yes   |
| Rated power of the luminaire [W]: | 21.40      | Emergency lighting [h]:              | 3   |
| Supply voltage [V]:               | 220-240    | Dimensions of single box [mm]:       | 340/340/115   |
| Frequency [Hz]:                   | 50 - 60    | Net weight [kg]:                     | 1.380   |
| Luminous efficacy [lm/W]:         | 84         | Warranty [years]:                    | 2 / 0.5 (bateria)   |
| Energy efficiency class:          | F          | Permeability factor of the diffuser: | 0.73  |
| Electrical protection class:      | I          | Index:                               | 952623  |
| Colour rendering index:           | >80        | Category type:                       | bulkheads   |
| SDCM:                             | ≤ 3        | Autotest:                            | yes   |
| Power factor:                     | 0.94       | AC voltage range [V]:                | 220 - 240   |
| Charging time [h:min]:            | 48         | DC voltage range [V]:                | 198-264   |
| Battery life [h:min]:             | 3          | LED lifespan L70B50 [h]:             | 110000  |
| Max load (RCR) [W]:               | 400        | LED lifespan L80B20 [h]:             | 84000   |
| Beam angle [°]:                   | 120        | LED lifespan L90B10 [h]:             | 33000   |
| Diffuser material:                | PC         | Light distribution type:             | open space  |
| Diffuser type:                    | OPAL       | CE certificate:                      | <a href="#">377/2023</a>  |
| Diffuser colour:                  | white      | Photobiological safety:              | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| Material of the body:             | ABS        | Optics material:                     | PC  |
| Colour of the body:               | white      | Manual:                              | <a href="#">Download PDF</a>  |
| Ring material:                    | ABS        | PZH certificate:                     | <a href="#">B-BK-60212-0619/20</a>  |
| Ring colour:                      | white      | ENEC Certificate:                    |   |
| Dimensions (H/W/T/S) [mm]:        | ø340/115   |                                      |   |
| Mounting dimensions [mm]:         | 140        |                                      |   |
| Impact resistance:                | IK10       |                                      |   |

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## ACCESSORIES AVAILABLE

| index    | Name  |
|----------|---|
| 120DL118 | Ceiling ring Dione LED steel 1.5 white matt RAL 9003 painted vandal resistant |



Ceiling ring Dione LED steel 1.5 white  
matt RAL 9003 painted vandal  
resistant (120DL118)

Card creation date: 10 January 2025

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: 377/2023