

# DIONE LED PLUS 1900LM 840 IP65 I KL. DALI AW 3H AT OPAL WHITE 18W

DETAILED CARD



## TECHNICAL PARAMETERS

|                                 |        |
|---------------------------------|--------|
| <b>Index:</b>                   | 952616 |
| <b>Ingress protection:</b>      | IP65   |
| <b>Impact resistance:</b>       | IK10   |
| <b>Nominal power [W]:</b>       | 18     |
| <b>Luminous flux [lm]*:</b>     | 1900   |
| <b>Colour temperature [K]:</b>  | 4000   |
| <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

|                                   |            |                                      |   |
|-----------------------------------|------------|--------------------------------------|---|
| Light source:                     | LED module | Impact resistance:                   | IK10  |
| Nominal power [W]:                | 18         | Ingress protection:                  | IP65  |
| Rated power of the luminaire [W]: | 21.40      | Mounting version:                    | surface   |
| Supply voltage [V]:               | 220-240    | Working temperature [°C]:            | from 0 to +25   |
| Frequency [Hz]:                   | 50 - 60    | Emergency lighting [h]:              | 3   |
| Luminous flux [lm]:               | 1900       | DIMM DALI:                           | yes   |
| Luminous efficacy [lm/W]:         | 90         | Dimensions of single box [mm]:       | 340/340/115   |
| Energy efficiency class:          | F          | Net weight [kg]:                     | 1.400   |
| Electrical protection class:      | I          | Warranty [years]:                    | 2 / 0.5 (bateria)   |
| Colour temperature [K]:           | 4000       | Permeability factor of the diffuser: | 0.73  |
| Colour rendering index:           | >80        | Index:                               | 952616  |
| SDCM:                             | ≤ 3        | Category type:                       | bulkheads   |
| Power factor:                     | 0.94       | Autotest:                            | yes   |
| Charging time [h:min]:            | 48         | AC voltage range [V]:                | 220 - 240   |
| Battery life [h:min]:             | 3          | DC voltage range [V]:                | 196 - 280   |
| Beam angle [°]:                   | 120        | LED lifespan L70B50 [h]:             | 110000  |
| Diffuser material:                | PC         | LED lifespan L80B20 [h]:             | 84000   |
| Diffuser type:                    | OPAL       | LED lifespan L90B10 [h]:             | 33000   |
| Diffuser colour:                  | white      | Light distribution type:             | open space  |
| Material of the body:             | ABS        | CE certificate:                      | <a href="#">377/2023</a>  |
| Colour of the body:               | white      | Photobiological safety:              | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| Ring material:                    | ABS        | Optics material:                     | PC  |
| Ring colour:                      | white      | Manual:                              | <a href="#">Download PDF</a>  |
| Dimensions (H/W/T/S) [mm]:        | ø340/115   | PZH certificate:                     | <a href="#">B-BK-60212-0619/20</a>  |
| Mounting dimensions [mm]:         | 140        | ENEC Certificate:                    | <a href="#">PL BBJ/011/2021/M1/A1</a>                                       |

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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 July 2024

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