

DIONE LED PLUS 1900LM 840 IP65 I KL. RCR OPAL WHITE 18W

DETAILED CARD



TECHNICAL PARAMETERS

Index:	952555
Ingress protection:	IP65
Impact resistance:	IK10
Nominal power [W]:	18
Luminous flux [lm]*:	1900
Colour temperature [K]:	4000
SDCM:	≤ 3
Energy efficiency class:	F
Material of the body:	ABS
Ring material:	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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18W

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Nominal power [W]:	18	Ingress protection:	IP65
Light source:	LED module	Mounting version:	surface
Colour temperature [K]:	4000	Working temperature [°C]:	from -20 to +35
Luminous flux [lm]:	1900	Motion sensor:	yes
Rated power of the luminaire [W]:	21.40	Dimensions of single box [mm]:	340/340/115
Supply voltage [V]:	220-240	Net weight [kg]:	1.250
Frequency [Hz]:	50 - 60	Warranty [years]:	5
Luminous efficacy [lm/W]:	90	Permeability factor of the diffuser:	0.73
Energy efficiency class:	F	Index:	952555
Electrical protection class:	I	Category type:	bulkheads
Colour rendering index:	>80	AC voltage range [V]:	220 - 240
SDCM:	≤ 3	DC voltage range [V]:	198-264
Power factor:	0.90	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:	377/2023
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:	Download PDF
Ring material:	ABS	PZH certificate:	B-BK-60212-0619/20
Ring colour:	white	ENEC Certificate:	PL BBJ/011/2021/M1/A1
Dimensions (H/W/T/S) [mm]:	ø340/115	Pliik LDT:	Download
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