



MRL IP67 - RETROFIT

The MRL IP67 solution is DLEDS proposed upgrade for existing light fixtures, such as the traditional lanterns in historic centers. Thanks to the customizable IP67 Retrofit KIT, which allows a choice of more than 40 types of optics, it is possible to maximize efficiency and therefore energy savings. The KIT can be installed either on existing products that already guarantee waterproof or on structures with a lower IP rating.

FEATURES

- Aluminum heat sink.
- Suitable for wattages up to 63 W.
- Simplified mounting of the plate specially designed for any existing lantern type.
- High comfort for users of the road thanks to a very low level of glare.
- Compliant with all Laws Regional Laws for the reduction of light pollution.
- Modern design with positive impact aesthetics in urban settings.
- Philips/Tridonic drivers.

Available control systems

- 1-10V / DALI.
- Virtual midnight.
- Wireless (Zhaga Book 18).
- Powerline.
- Lineswitch.

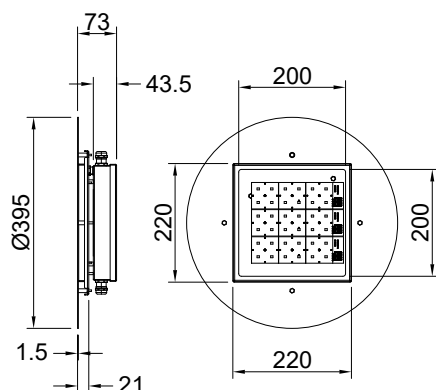


Customizable plate

TECHNICAL DATA

LED type	Detas by Lumileds
Step Mac-Adam	3
LED driver	Philips - Tridonic
Nominal Input voltage [V]	220-230V~ 50/60Hz
Surge protection	10kV
Efficiency up to	170lm/W (D) - 191lm/W (P)
Rated abrupt failure value Tp,Tc	F10 @ 100.000h, <0,02% @ 1000h
Rated median useful life [hrs] @Tc	L90B10 >100.000h
Power factor	>0,95
Housing material	Aluminum
Protective glass type	Tempered
Glass thickness [mm]	5
Colour temperature	2200K - 3000K - 4000K - 5700K
Colour rendering index (CRI)	>70
Degree of protection (EN 60529)	IP67
IK code (EN 62262)	IK08
Insulation class	I & II
Operating temperature [°C]	-40 ÷ +50
Housing colour	RAL9004 Signal black
Weight [Kg]	1

DIMENSIONS



OPTICS

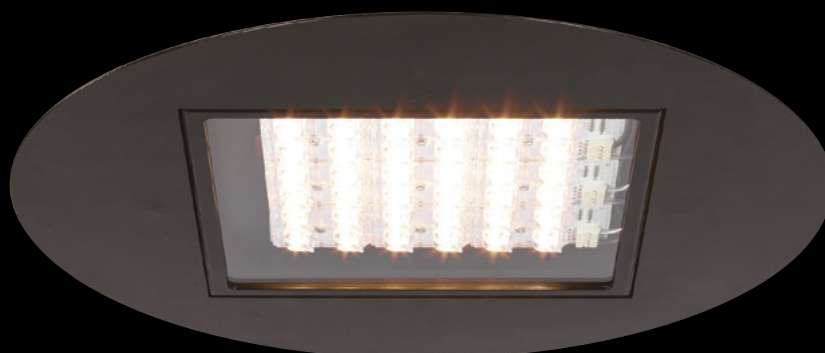
201A	205A	206A	208A	213A	214A
215A	217A	218S	247A	250A	277A

Other optics available on the website

MODELS

	Total power [W]	Overall flux [lm]	Optical flux [lm]
12P350	12	2325	2408
12P440	15	2783	3050
12P530	19	3412	3708
12P600	21	3830	4228
12P700	25	4238	4977
12P830	30	5002	5965
12P900	33	5435	6503
24P350	24	4716	4817
24P440	31	5892	6100
24P530	37	6990	7415
24P600	42	7873	8456
24P700	50	8963	9955
36P350	36	6573	7225
36P440	46	8077	9150
36P530	56	9670	11123
36P600	63	10713	12684

Reference configuration: Optic 206A - 4000 K



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