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atena lux	**PRODUCT TECHNICAL SPECIFICATION** **AT/FIRE optics MOT**	Doc. Rev. 06/21

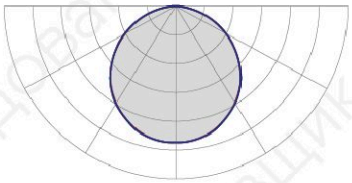
Description: Luminaire suitable for installation on REI 180 fireproof compartments. Direct light LED luminaire suitable for recessed installation on modular panels 600x600 with visible "T" structure. Lay-in installation, it does not require mounting brackets.
Device certified REI 120 by the Giordano Institute of Bellaria (RM), according to UNI EN 1365-2 and the Ministerial Decree 02/16/2007. Safety installation by means of a hanger is recommended (not included).



Demonstration image

Body: Structure made of double metal body in steel sheet, thickness 10/10, powder coated with white (RAL9003 opaque) epoxy powders thermosetting at 180°C, after degreasing, phosphatizing and washing treatment. Upper air space filled with a ceramic fibre mattress and lateral air space insulated with mineral fibre panel.Perimeter profile equipped with ecological, non-carcinogenic ceramic paper gaskets.

Optical group: **MOT** high transmittance opal methacrylate diffuser. It offers excellent light diffusion with high uniformity. Optics resistant to glow-wire test at 650 ° C according to CEI EN 60695-2-11 standards.
Protection degree IP40 (IP20 embedded part).



Photometric curve

Wiring: power supply 220-240V 50 / 60Hz with rigid cable, sect. 0.50 mm² and PVC-HT sheath resistant to 90 ° C according to CEI 20-20 standards. Terminal block with maximum allowed cable section 2.5 mm². Insulation class I.
Suitable for installation on normally flammable surfaces.

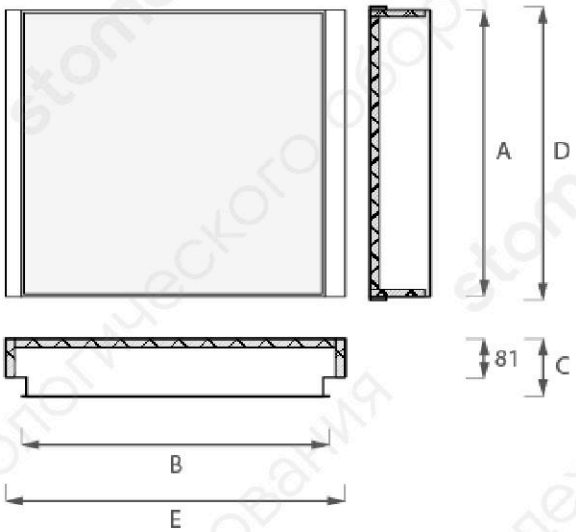
- LED version with electronic driver with fixed output (ON / OFF), included
- DALI LED dimmable version, with DALI dimmable electronic driver included.

Versions with emergency kit (1/3 hours of autonomy) are available on request.

Luminous source: High efficiency LEDs arranged on rigid modules, color rendering CRI> 80 (CRI> 90 available on request), color temperature 3000K and 4000K (selected LED diode 3 MacAdam ellipses in order to guarantee uniform chromaticity).
LED TUNABLE WHITE 2700-6500K versions available on request.
Life of the sources in normal conditions: over 50,000 hours L80 / B10 at Ta = 25 ° C.

Regulations:

- EN 61547
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61347-1
- EN 61347-2-13
- IEC/TR 62471-2
- EN 60061-1
- EN 62031
- EN 62493
- EN 60598-1
- EN 60598-2-1
- EN 60598-2-2
- EN 62471 (risk class 0)
- EN 62560
- EN 60968
- CEI 76-10
- EN 60529



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Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	Dimensions [mm]					Code / Wiring	
						A	B	C	D	E	LED	LED DALI
32	3000K	>80	3360	105	A++	590	595	121	605	660	146000337	146000338
32	4000K	>80	3552	111	A++	590	595	121	605	660	146000339	146000340
38	3000K	>80	3990	105	A++	590	595	121	605	660	146000341	146000342
38	4000K	>80	4218	111	A++	590	595	121	605	660	146000343	146000344
44	3000K	>80	4620	105	A++	590	595	121	605	660	146000345	146000346
44	4000K	>80	4884	111	A++	590	595	121	605	660	146000347	146000348
50	3000K	>80	5250	105	A++	590	595	121	605	660	146000349	146000350
50	4000K	>80	5550	111	A++	590	595	121	605	660	146000351	146000352

* Actual flow may have a tolerance of ± 10%.

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