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atena lux	**PRODUCT TECHNICAL SPECIFICATION** **AT/20 optics PMO**	Doc. Rev. 06/21

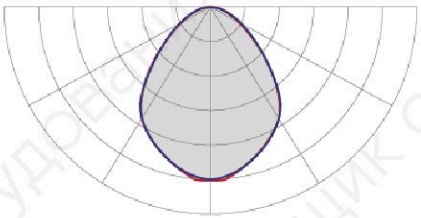
Description: Direct light recessed LED luminaire suitable for installation on a slatted false ceiling using the fixing brackets supplied. Recommended installation for a better aesthetic finish on P100C, P200C type slats.



Demonstration image

Body: steel sheet, painted in matt white (RAL 9003 matt) with thermosetting epoxy powders at 180 ° C, after degreasing, phosphating and washing treatment. The device is supplied complete with accessories for fixing.

Optical group: **PMO** optic in microprismatic polycarbonate, protected from UV rays for better resistance to atmospheric agents.
Controlled light emission optics with luminance values <3000 cd / m² for emission angles above 65 ° on all planes (UGR <19) and therefore compliant to be installed in environments with the use of video terminals according to UNI EN 12464- 1. Glow-wire test 850 ° C.
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.

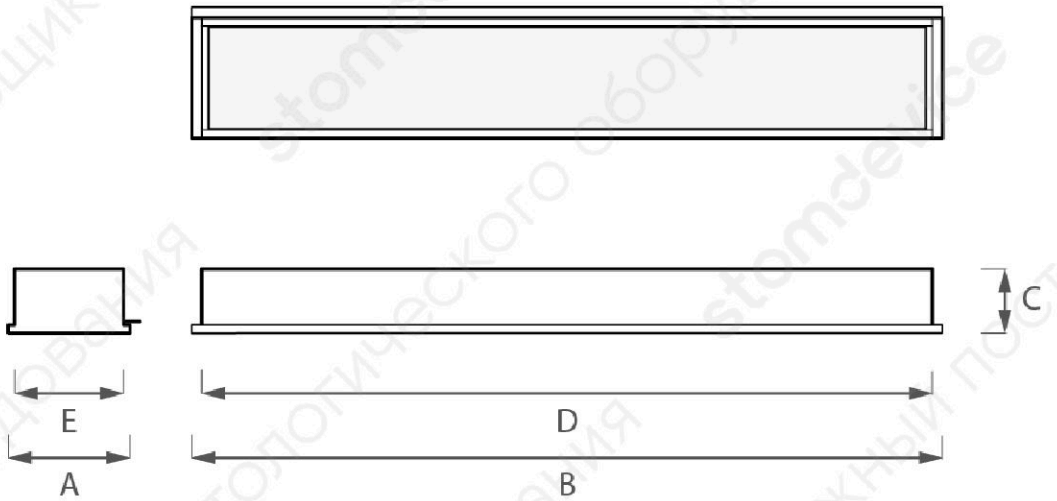
- LED version with electronic driver with fixed output (ON / OFF), included
- DALI LED dimmable version, with DALI dimmable electronic driver included.

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 60529
- IEC/TR 62471-2
- EN 60061-1
- EN 62031
- EN 62493
- EN 60598-1
- EN 60598-2-13
- EN 62471 (risk class 0)
- EN 62560
- EN 60968



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						Dimensions [mm]					Code / Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	A	B	C	D	E	LED	LED DALI
13	3000K	>80	1573	121	A++	190	654	100	620	170	104000239	104000245
13	4000K	>80	1703	131	A++	190	654	100	620	170	104000251	104000257
26	3000K	>80	3146	121	A++	190	1264	100	1230	170	104000241	104000247
26	4000K	>80	3406	131	A++	190	1264	100	1230	170	104000253	104000259
33	3000K	>80	3993	121	A++	190	1564	100	1530	170	104000243	104000249
33	4000K	>80	4323	131	A++	190	1564	100	1530	170	104000255	104000261
24	3000K	>80	2904	121	A++	190	654	100	620	170	104000240	104000246
24	4000K	>80	3144	131	A++	190	654	100	620	170	104000252	104000258
48	3000K	>80	5808	121	A++	190	1264	100	1230	170	104000242	104000248
48	4000K	>80	6288	131	A++	190	1264	100	1230	170	104000254	104000260
60	3000K	>80	7260	121	A++	190	1564	100	1530	170	104000244	104000250
60	4000K	>80	7860	131	A++	190	1564	100	1530	170	104000256	104000262

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

The dimensions and specifications of the luminaires are subject to change without notice.

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