

Description: LED recessed luminaire, direct light, suitable for installation on false ceilings with modular panels MODEL ATENA SYNCRO EVO B24 type 600mm x 600mm. Wired body resting on the false ceiling structure, lower diffuser equipped with a special coupling system using harmonic steel springs, supplied. It is recommended to hang the lighting body on the floor (hanging system not supplied).

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, equipped with internal sealing gaskets, guarantees total protection against dust and water jets, thus allowing its use in environments such as chemical laboratories, rooms and hospital rooms, operating theaters and generally in environments where they are necessary. particular aseptic conditions.

Optical group: MOT optic with high transmittance opal methacrylate diffuser. Lower diffuser support frame in matt white painted steel (matt RAL 9003) with **ANTIBACTERIAL TREATMENT** fixed to the metal body by means of special steel springs, without visible screws. 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 **IP65**.

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 cross section of 2.5 mm². Insulation class I. Suitable for installation on normally flammable surfaces.

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

Versions with 1 / 3h autonomy emergency kit and with RGB DMX circuit available on request.

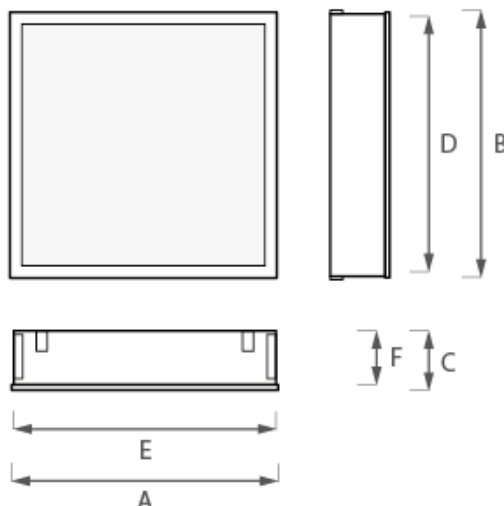
Luminous source: High efficiency LEDs arranged on rigid modules, color rendering IRC > 80 or IRC > 90, color temperature 4000K (3000K and 5000K available on request) LED diode selected 3 MacAdam ellipses in order to guarantee uniform chromaticity.

LED TUNABLE WHITE 2700-6500K versions available on request.

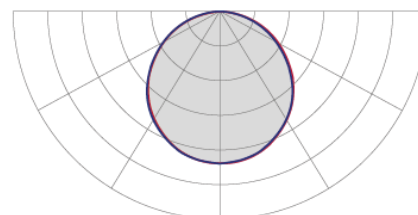
Life of the sources in normal conditions: over 50,000 hours L80 / B10 at Ta = 25 ° C.

Regulations: appliance complies with the following standards:

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



Demonstration image



Photometric curve

Module 600x600

						Dimensions [mm]						Code / Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	A	B	C	D	E	F	LED-F	LED-F DALI
38	4000K	>80	4218	111	A++	600	600	135	592	591	118	442000265	442000266
38	4000K	>90	3382	89	A++	600	600	135	592	591	118	442000267	442000268
44	4000K	>80	4884	111	A++	600	600	135	592	591	118	442000269	442000270
44	4000K	>90	3916	89	A++	600	600	135	592	591	118	442000271	442000272
50	4000K	>80	5550	111	A++	600	600	135	592	591	118	442000273	442000274
50	4000K	>90	4450	89	A++	600	600	135	592	591	118	442000275	442000276
78	4000K	>80	10218	124	A++	600	600	135	592	591	118	442000277	442000278
78	4000K	>90	7722	99	A++	600	600	135	592	591	118	442000279	442000280

Module 600x1200

						Dimensions [mm]						Code / Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	A	B	C	D	E	F	LED-F	LED-F DALI
88	4000K	>80	9768	111	A++	600	1200	135	1192	591	118	442000281	442000282
88	4000K	>90	7832	89	A++	600	1200	135	1192	591	118	442000283	442000284
100	4000K	>80	11100	111	A++	600	1200	135	1192	591	118	442000285	442000286
100	4000K	>90	11100	89	A++	600	1200	135	1192	591	118	442000287	442000288
156	4000K	>80	19344	124	A++	600	1200	135	1192	591	118	442000289	442000290
156	4000K	>90	15444	99	A++	600	1200	135	1192	591	118	442000291	442000292

* Actual flow may have a tolerance of $\pm 10\%$.

Description: LED recessed luminaire, direct light, suitable for installation on false ceilings with modular panels MODEL ATENA SYNCRO EVO B24 type 600mm x 600mm. Wired body resting on the false ceiling structure, lower diffuser equipped with a special coupling system using harmonic steel springs, supplied. It is recommended to hang the lighting body on the floor (hanging system not supplied).

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, equipped with internal sealing gaskets, guarantees total protection against dust and water jets, thus allowing its use in environments such as chemical laboratories, rooms and hospital rooms, operating theaters and generally in environments where they are necessary. particular aseptic conditions.

Optical group: PMO optic with microprismatic polycarbonate diffuser, protected from UV rays for better resistance to atmospheric agents. Lower diffuser support frame in matt white painted steel (**RAL 9003 matt**) fixed to the metal body by means of special steel springs, without visible screws. It offers excellent light diffusion with high uniformity.

Controlled light emission optics with luminance values $<3000 \text{ cd} / \text{m}^2$ 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 **IP65**.

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 cross section of 2.5 mm². Insulation class I. Suitable for installation on normally flammable surfaces.

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

Versions with 1 / 3h autonomy emergency kit and with RGB DMX circuit available on request.

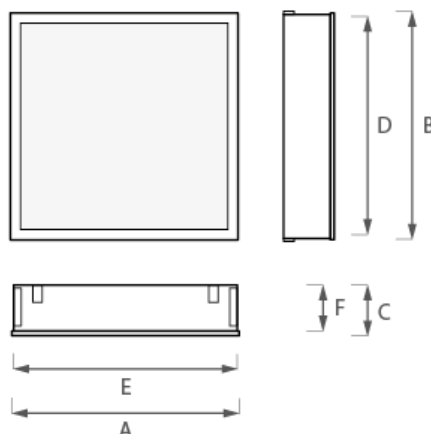
Luminous source: High efficiency LEDs arranged on rigid modules, color rendering IRC > 80 or IRC > 90, color temperature 4000K (3000K and 5000K available on request) LED diode selected 3 MacAdam ellipses in order to guarantee uniform chromaticity.

LED TUNABLE WHITE 2700-6500K versions available on request.

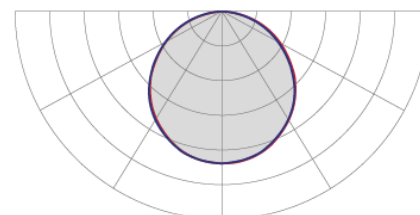
Life of the sources in normal conditions: over 50,000 hours L80 / B10 at Ta = 25 ° C.

Regulations: appliance complies with the following standards:

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



Demonstration image



Photometric curve

Module 600x600

						Dimensions [mm]						Code / Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	A	B	C	D	E	F	LED-F	LED-F DALI
38	4000K	>80	4446	117	A++	600	600	135	592	591	118	442000112	442000113
38	4000K	>90	3572	94	A++	600	600	135	592	591	118	442000120	442000121
44	4000K	>80	5148	117	A++	600	600	135	592	591	118	442000126	442000127
44	4000K	>90	4136	94	A++	600	600	135	592	591	118	442000134	442000135
50	4000K	>80	5850	117	A++	600	600	135	592	591	118	442000138	442000139
50	4000K	>90	4700	94	A++	600	600	135	592	591	118	442000146	442000147
78	4000K	>80	10218	131	A++	600	600	135	592	591	118	442000321	442000322
78	4000K	>90	8190	105	A++	600	600	135	592	591	118	442000323	442000324

Module 600x1200

						Dimensions [mm]						Code / Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	A	B	C	D	E	F	LED-F	LED-F DALI
88	4000K	>80	10296	117	A++	600	1200	135	1192	591	118	442000325	442000326
88	4000K	>90	8272	94	A++	600	1200	135	1192	591	118	442000327	442000328
100	4000K	>80	11700	117	A++	600	1200	135	1192	591	118	442000329	442000330
100	4000K	>90	9400	94	A++	600	1200	135	1192	591	118	442000331	442000332
156	4000K	>80	20436	131	A++	600	1200	135	1192	591	118	442000333	442000334
156	4000K	>90	16380	105	A++	600	1200	135	1192	591	118	442000335	442000336

* Actual flow may have a tolerance of $\pm 10\%$.

Description: LED recessed luminaire, direct light, suitable for installation on false ceilings with modular panels MODEL ATENA SYNCRO EVO B24 type 600mm x 600mm. Wired body resting on the false ceiling structure, lower diffuser equipped with a special coupling system using harmonic steel springs, supplied. It is recommended to hang the lighting body on the floor (hanging system not supplied).

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, equipped with internal sealing gaskets, guarantees total protection against dust and water jets, thus allowing its use in environments such as chemical laboratories, rooms and hospital rooms, operating theaters and generally in environments where they are necessary. particular aseptic conditions.

Optical group: PMO optic with microprismatic polycarbonate diffuser, protected from UV rays for better resistance to atmospheric agents. Lower diffuser support frame in **white pre-painted** steel fixed to the metal body by means of special steel springs, without visible screws. It offers excellent light diffusion with high uniformity.

Controlled light emission optics with luminance values $<3000 \text{ cd} / \text{m}^2$ 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 **IP65**.

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- Dimmable LED-F DALI version, with DALI dimmable electronic driver included, protection fuse.

Versions with 1 / 3h autonomy emergency kit and with RGB DMX circuit available on request.

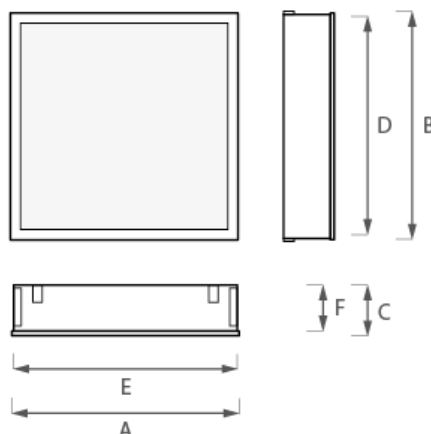
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LED TUNABLE WHITE 2700-6500K versions available on request.

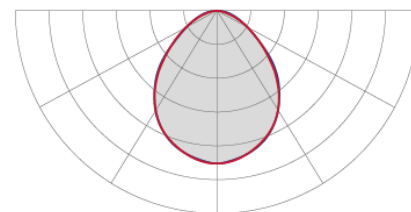
Life of the sources in normal conditions: over 50,000 hours L80 / B10 at Ta = 25 ° C.

Regulations: appliance complies with the following standards:

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



Demonstration image



Photometric curve

Module 600x600

						Dimensions [mm]						Code / Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	A	B	C	D	E	F	LED-F	LED-F DALI
38	4000K	>80	4446	117	A++	600	600	135	592	591	118	442000293	442000294
38	4000K	>90	3572	94	A++	600	600	135	592	591	118	442000295	442000296
44	4000K	>80	5148	117	A++	600	600	135	592	591	118	442000297	442000298
44	4000K	>90	4136	94	A++	600	600	135	592	591	118	442000299	442000300
50	4000K	>80	5850	117	A++	600	600	135	592	591	118	442000301	442000302
50	4000K	>90	4700	94	A++	600	600	135	592	591	118	442000303	442000304
78	4000K	>80	10218	131	A++	600	600	135	592	591	118	442000305	442000306
78	4000K	>90	8190	105	A++	600	600	135	592	591	118	442000307	442000308

Module 600x1200

						Dimensions [mm]						Code / Wiring	
Power [W]	Color temperature [K]	CRI	Effective flux [lm] *	Efficiency [lm/W]	Energetic class	A	B	C	D	E	F	LED-F	LED-F DALI
88	4000K	>80	10296	117	A++	600	1200	135	1192	591	118	442000309	442000310
88	4000K	>90	8272	94	A++	600	1200	135	1192	591	118	442000311	442000312
100	4000K	>80	11700	117	A++	600	1200	135	1192	591	118	442000313	442000314
100	4000K	>90	9400	94	A++	600	1200	135	1192	591	118	442000315	442000316
156	4000K	>80	20436	131	A++	600	1200	135	1192	591	118	442000317	442000318
156	4000K	>90	16380	105	A++	600	1200	135	1192	591	118	442000319	442000320

* Actual flow may have a tolerance of $\pm 10\%$.