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atena lux	**TECHNICAL SPECIFICATIONS** **LINK optics MST**	Doc. Rev. 01/21

Description: modular system for recessed installation into false ceilings with concealed structure, composed by an extruded aluminum profile, which can be used both individually and in continuous row to create blades of light without interruptions. The lighting body is fixed to the substructure of the ceiling in the same way of the ceiling tiles. Its structure fits perfectly between the tiles, a guide bracket allows its normal fixing while greater safety is given by the attachment using an anti-seismic bracket (see hanging accessories).



Body: 6060 T5 alloy aluminum profile, powder coated with white (RAL 9003 opaque) epoxy powders thermosetting at 180°C, after degreasing, phosphatizing and washing treatment. Other colors are available upon request.

Optical unit: **MST** optics with satin opal methacrylate diffuser, with a smooth finish, ideal for uniform distribution. Optics snap applied to the luminaire body without the use of tools. Glow-wire test 650°C.
Degree of protection: **IP40**.

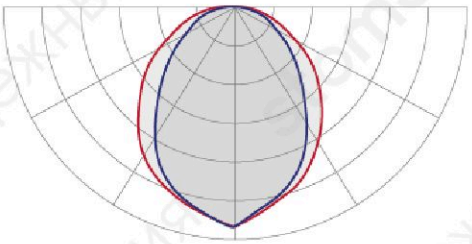
Wiring: 24Vdc power supply. Insulation class III.
Outer cables from the back side of the profile. length 1 meter.
Suitable for installation on normally flammable surfaces.



Demonstrative pictures

- **LED** version with fixed output remote ON / OFF driver (to be ordered separately)
- **LED DALI** version with remote DALI standard dimmable driver (to be ordered separately)

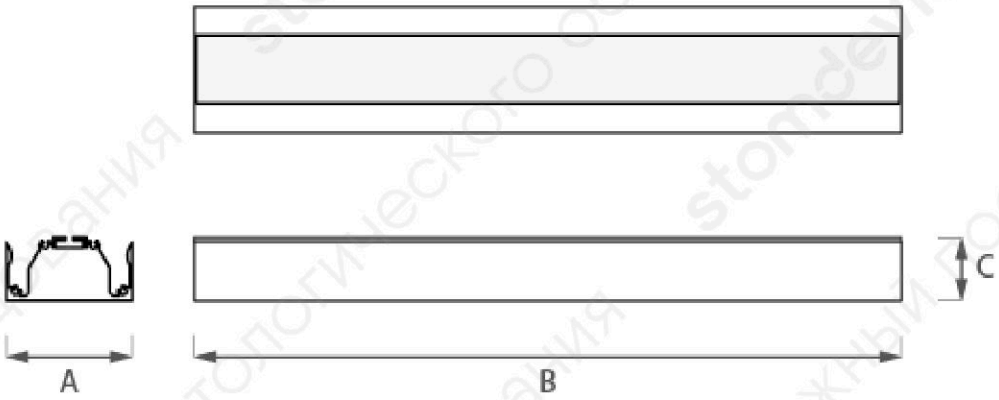
Light source:
LED strip, color rendering **IRC>90** or **IRC>80**, color temperature **3000K** or **4000K** (LED diode selected **3 MacAdam ellipses** in order to guarantee uniform chromaticity), duration> 40000 hours L70/B50 at Ta=25°C.



Photometric distribution

Regulations: luminaire in conformity with

- EN 61547
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 60529
- 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



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Modules for single installation, end caps included						Dimensions [mm]			Codes / wiring
Power [W]	Colour Temperature [K]	CRI	Effective flux [lumen] *	Efficiency [lm/W]	Energy class	A	B**	C	LED
9	3000K	>90	684	76	A++	50	600	25	670000113
9	4000K	>90	738	82	A++	50	600	25	670000114
18	3000K	>90	1368	76	A++	50	1200	25	670000115
18	4000K	>90	1476	82	A++	50	1200	25	670000116
27	3000K	>90	2052	76	A++	50	1800	25	670000117
27	4000K	>90	2214	82	A++	50	1800	25	670000118
36	3000K	>90	2736	76	A++	50	2400	25	670000119
36	4000K	>90	2952	82	A++	50	2400	25	670000120
45	3000K	>90	3420	76	A++	50	3000	25	670000121
45	4000K	>90	3690	82	A++	50	3000	25	670000122

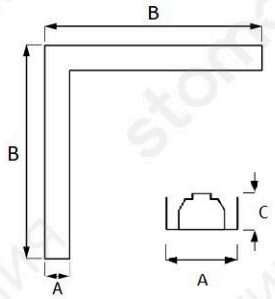
Begin/end modules, with 1 end cap included						Dimensions [mm]			Codes / wiring
Power [W]	Colour Temperature [K]	CRI	Effective flux [lumen] *	Efficiency [lm/W]	Energy class	A	B**	C	LED
9	3000K	>90	684	76	A++	50	600	25	670000125
9	4000K	>90	738	82	A++	50	600	25	670000126
18	3000K	>90	1368	76	A++	50	1200	25	670000127
18	4000K	>90	1476	82	A++	50	1200	25	670000128
27	3000K	>90	2052	76	A++	50	1800	25	670000129
27	4000K	>90	2214	82	A++	50	1800	25	670000130
36	3000K	>90	2736	76	A++	50	2400	25	670000131
36	4000K	>90	2952	82	A++	50	2400	25	670000132
45	3000K	>90	3420	76	A++	50	3000	25	670000133
45	4000K	>90	3690	82	A++	50	3000	25	670000134

Intermediate modules, without end caps						Dimensions [mm]			Codes / wiring
Power [W]	Colour Temperature [K]	CRI	Effective flux [lumen] *	Efficiency [lm/W]	Energy class	A	B**	C	LED
9	3000K	>90	684	76	A++	50	600	25	670000100
9	4000K	>90	738	82	A++	50	600	25	670000101
18	3000K	>90	1368	76	A++	50	1200	25	670000102
18	4000K	>90	1476	82	A++	50	1200	25	670000103
27	3000K	>90	2052	76	A++	50	1800	25	670000104
27	4000K	>90	2214	82	A++	50	1800	25	670000105
36	3000K	>90	2736	76	A++	50	2400	25	670000106
36	4000K	>90	2952	82	A++	50	2400	25	670000107
45	3000K	>90	3420	76	A++	50	3000	25	670000108
45	4000K	>90	3690	82	A++	50	3000	25	670000109

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Corner intermediate modules (90°), without end caps						Dimensions [mm]			Codes / wiring
Power [W]	Colour Temperature [K]	CRI	Effective flux [lumen] *	Efficiency [lm/W]	Energy class	A	B**	C	LED
18	3000	>90	1368	76	A++	50	600	25	670000143
18	4000	>90	1476	82	A++	50	600	25	670000144



Corner modules (90°), end caps included						Dimensions [mm]			Codes / wiring
Power [W]	Colour Temperature [K]	CRI	Effective flux [lumen] *	Efficiency [lm/W]	Energy class	A	B**	C	LED
18	3000	>90	1368	76	A++	50	600	25	670000141
18	4000	>90	1476	82	A++	50	600	25	670000142

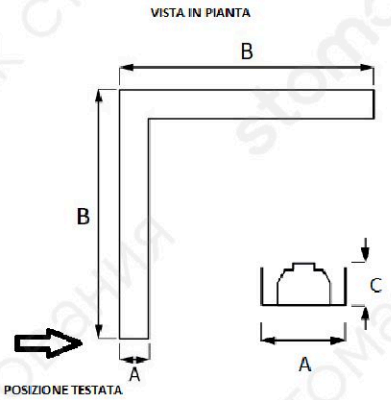


FIGURA 1

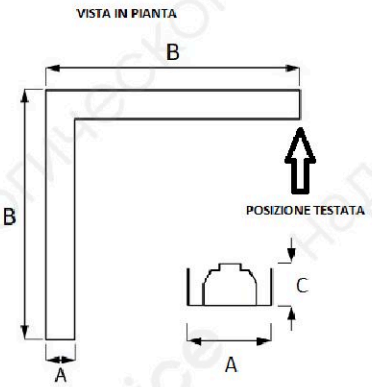


FIGURA 2

Begin/end corner modules (90°), with 1 end cap included (FIG. 1)						Dimensions [mm]			Codes / wiring
Power [W]	Colour Temperature [K]	CRI	Effective flux [lumen] *	Efficiency [lm/W]	Energy class	A	B**	C	LED
18	3000	>90	1368	76	A++	50	600	25	670000145
18	4000	>90	1476	82	A++	50	600	25	670000146

Begin/end corner modules (90°), with 1 end cap included (FIG. 2)						Dimensions [mm]			Codes / wiring
Power [W]	Colour Temperature [K]	CRI	Effective flux [lumen] *	Efficiency [lm/W]	Energy class	A	B**	C	LED
18	3000	>90	1368	76	A++	50	600	25	670000147
18	4000	>90	1476	82	A++	50	600	25	670000148

* The effective flux could have a tolerance of ±10%.

** For modules with length over 3000 mm, only loose components are supplied (see ACCESSORIES chart)

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ACCESSORIES

Description	Codes
LINK PROFILE (M3000) WHITE RAL 9003 MATT COLOUR	**670100002**
"MTS" DIFFUSER FOR LINK PROFILE L=3000MM	**DF67003000MST**
ALUMINIUM END CAPS WHITE RAL 9003 MATT COLOUR (2 PCS. / SET)	**TC670001**
LINEAR JOINT BRACKET	**KFSLINK00**
90° CORNER JOINT BRACKET	**KFLLINK00**
HANGER WITH HOOK L=500 mm DIAM. 4	**ATN_A0PEGANC0500D4**
HANGER WITH HOOK L=1000 mm DIAM. 4	**ATN_A0PEGANC1000D4**
HANGER WITH HOOK L=1500 mm DIAM. 4	**ATN_A0PEGANC1500D4**
HANGER WITH HOOK L=2000 mm DIAM. 4	**ATN_A0PEGANC2000D4**
HANGER WITH EYE L=500 MM DIAM. 4	**ATN_A0PEOCCH0500D4**
HANGER WITH EYE L=1000 MM DIAM. 4	**ATN_A0PEOCCH1000D4**
HANGER WITH EYE L=1500 MM DIAM. 4	**ATN_A0PEOCCH1500D4**
HANGER WITH EYE L=2000 MM DIAM. 4	**ATN_A0PEOCCH2000D4**

		Code	CRI	Colour Temperature [K]	Luminous flux [lm/m]	Power [W/m]	Amount of LEDs/m	Energy class	Efficiency [lm/W]	Voltage	Cut unit [mm]	PCB Width [mm]
IP20	STRIP 10W	710000042	CRI >90	3000	835	10	120	A+	84	24 VDC	50	8
		710000043	CRI >90	4000	875	10	120	A+	88	24 VDC	50	8
	STRIP 15W	710000046	CRI >90	3000	1450	15	120	A+	97	24 VDC	50	8
		710000047	CRI >90	4000	1567	15	120	A+	104	24 VDC	50	8
	STRIP 15W HP	710000048	CRI >90	3000	2119	15	84	A+	141	24 VDC	83,3	10
		710000049	CRI >90	4000	2230	15	84	A+	149	24 VDC	83,3	10
	STRIP 15W RGB	710000060	-	RGB	-	15	60	A+	-	24 VDC	100	10
	STRIP 20W RGB +W	710000062	CRI >80	RGB +3000	2075	20	60	A+	138	24 VDC	100	10
		710000063	CRI >80	RGB +4000	2125	20	60	A+	142	24 VDC	100	10
	STRIP 25W	710000052	CRI >90	3000	2355	25	204	A+	94	24 VDC	29,4	8
		710000053	CRI >90	4000	2525	25	204	A+	101	24 VDC	29,4	8
	STRIP 25W HP	710000056	CRI >90	3000	3618	25	140	A+	145	24 VDC	50	10
		710000057	CRI >90	4000	3808	25	140	A+	152	24 VDC	50	10
	STRIP TUNABLE	710000066	CRI >80	2500-6500	2300	30	120	A+	77	24 VDC	50	10
IP65	STRIP 10W	710000044	CRI >90	3000	680	10	120	A+	68	24 VDC	50	8
		710000045	CRI >90	4000	750	10	120	A+	75	24 VDC	50	8
	STRIP 15W	710000035	CRI >90	3000	1120	15	120	A+	75	24 VDC	50	8
		710000036	CRI >90	4000	1285	15	120	A+	86	24 VDC	50	8
	STRIP 15W HP	710000050	CRI >90	3000	1834	15	84	A+	122	24 VDC	83,3	10
		710000051	CRI >90	4000	1930	15	84	A+	129	24 VDC	83,3	10
	STRIP 15W RGB	710000061	-	RGB	-	20	60	A+	-	24 VDC	100	10
	STRIP 20W RGB +W	710000064	CRI >80	RGB +3000	1781	20	60	A+	119	24 VDC	100	10
		710000065	CRI >80	RGB +4000	1875	20	60	A+	125	24 VDC	100	10
	STRIP 25W	710000054	CRI >90	3000	2075	25	204	A+	83	24 VDC	29,4	8
		710000055	CRI >90	4000	2195	25	204	A+	88	24 VDC	29,4	8
	STRIP 25W HP	710000058	CRI >90	3000	3040	25	140	A+	122	24 VDC	50	10
		710000059	CRI >90	4000	3200	25	140	A+	128	24 VDC	50	10

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			Code	Voltage / Frequency [V ; Hz]	Power [W]	Dimensions (L x W x H) [mm]
IP20	ON / OFF		711000013	220-240 ; 50	20	148x45,8x22,5
			711000015	110-240 ; 50/60	50	172,2x63x30
			711000016	110-240 ; 50/60	75	193,2x63x30
			711000042	220-240 ; 50/60	150	180x65,5x31,2
	DALI		711000044	220-240 ; 50/60 220-240 ; 0	35	195x43x30,2
			711000045	220-240 ; 50/60 220-240 ; 0	60	225x43x30,2
			711000046	220-240 ; 50/60 220-240 ; 0	100	295x43x29,8
			711000047	220-240 ; 50/60 220-240 ; 0	150	325x43x29,8
	DMX		711000039	220-240 ; 50/60	55	147x75x39
			711000011	110-240 ; 50/60	100	207x76x35
IP67	ON / OFF		711000010	110-240 ; 50/60 220-240 ; 0	20	118x35x26
			711000018	110-240 ; 50/60 220-240 ; 0	60	162,5x42,5x32
			711000019	110-240 ; 50/60 220-240 ; 0	100	190x52x37
			711000020	110-240 ; 50/60	150	191x63x37,5

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