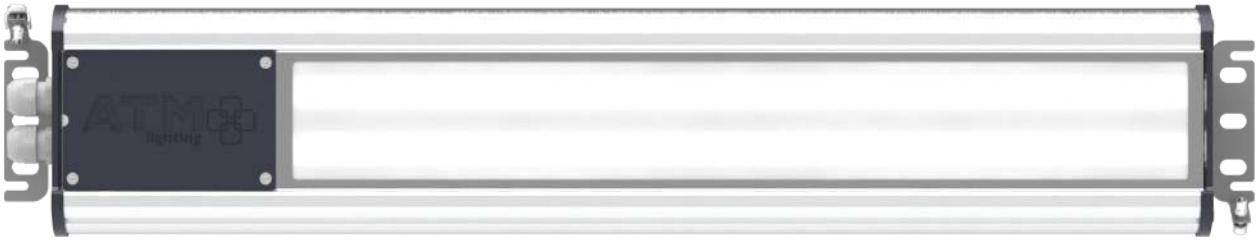
INS400LED

FEATURES



MECHANICAL PARAMETERS

housing	anodized aluminum (ALU)
diffuser	tempered glass (GL), polycarbonate (PC), polymethyl metacrylate (PM)
ingress protection	IP66 / IP67
shock resistance	**GL:** IK09, **PC:** IK10
protection class	I
mounting	different mountings *check: mountings*
accessories	mounting accessories

WORK PARAMETERS

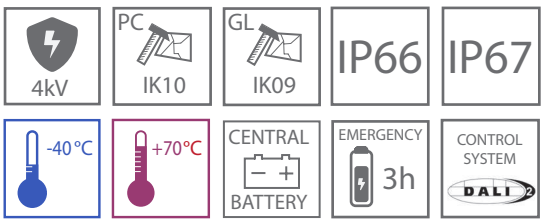
ambient temperature	-40°C to +70°C *check: types comparison*
lifetime	>70.000h L_{80} B_{10} >100.000h L_{70} B_{10}

ELECTRICAL PARAMETERS

connection terminals	2,5 mm² 4,0 mm² - *optional*
input voltage	**35E:** 220-240V 50-60Hz, 220-240V 0Hz, **34E:** 220-240V 0Hz
light source	certified LED modules
power factor	>0,95
cable inlets	Ø20 *(wire Ø6-13mm)* Ø25 - *optional (wire Ø9-17mm)*
overvoltage protection	**35E:** 4kV (L-N), 4kV (L-PE), **34E:** 1kV (L-N), 2kV (L-PE)

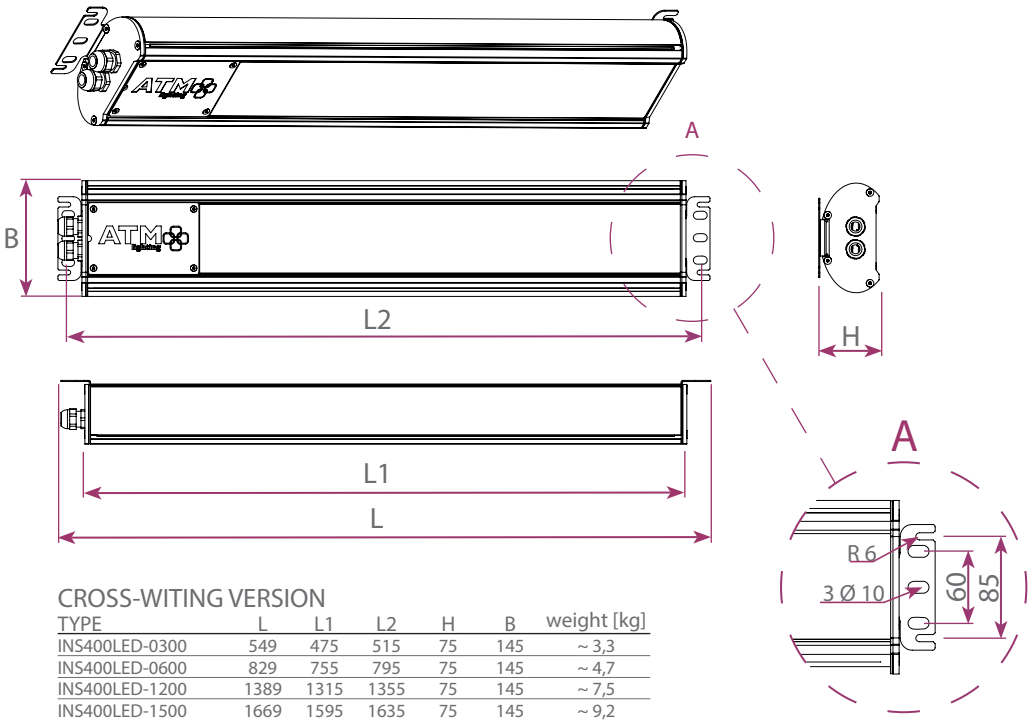
PHOTOMETRICAL PARAMETERS

CRI	>80
colour temperature	4000K 4500K - *for C4 and C5* 5000K - *optional* 6500K - *optional*



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DIMENSIONS



CROSS-WITING VERSION

TYPE	L	L1	L2	H	B	weight [kg]
INS400LED-0300	549	475	515	75	145	~ 3,3
INS400LED-0600	829	755	795	75	145	~ 4,7
INS400LED-1200	1389	1315	1355	75	145	~ 7,5
INS400LED-1500	1669	1595	1635	75	145	~ 9,2

EMERGENCY A3 CROSS-WIRING VERSION

TYPE	L	L1	L2	H	B	weight [kg]
INS400LED-0300-...-A3S	599	525	565	75	145	~ 3,8
INS400LED-0600-...-A3S	879	805	845	75	145	~ 5,2
INS400LED-1200-...-A3S	1439	1365	1405	75	145	~ 8,0
INS400LED-1500-...-A3S	1719	1645	1685	75	145	~ 9,7

TYPES COMPARISON

Standard versions

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMB. TEMP. [°C]
INS400LED-0300-A1-1	616	5,8	106	-25°C to +60°C
INS400LED-0300-A1-2	898	7,4	121	-25°C to +60°C
INS400LED-0300-A1-3	1091	8,9	123	-25°C to +60°C
INS400LED-0300-A1-4	1286	10,0	129	-25°C to +60°C
INS400LED-0600-B2-1	2289	16,2	141	-40°C to +70°C
INS400LED-0600-B2-2	3359	22,7	148	-40°C to +65°C
INS400LED-0600-B2-3	4104	27,8	148	-40°C to +60°C
INS400LED-0600-B2-4	4837	31,6	153	-40°C to +55°C
INS400LED-1200-B4-1	4624	29,5	157	-40°C to +70°C
INS400LED-1200-B4-2	6778	42,5	159	-40°C to +65°C
INS400LED-1200-B4-3	8273	52,7	147	-40°C to +60°C
INS400LED-1200-B4-4	9751	61,7	158	-40°C to +55°C
INS400LED-1500-B4A2-1	5793	36,1	160	-40°C to +70°C
INS400LED-1500-B4A2-2	8604	53,7	160	-40°C to +65°C
INS400LED-1500-B4A2-3	10353	65,0	159	-40°C to +60°C
INS400LED-1500-B4A2-4	12202	77,5	157	-40°C to +55°C

Narrow beam optics (NB)

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMB. TEMP. [°C]
INS400LED-0300-A1-1	617	5,8	106	-25°C to +60°C
INS400LED-0300-A1-2	900	7,4	122	-25°C to +60°C
INS400LED-0300-A1-3	1093	8,9	123	-25°C to +60°C
INS400LED-0300-A1-4	1288	10,0	129	-25°C to +60°C
INS400LED-0600-B2-1	2339	16,2	144	-40°C to +70°C
INS400LED-0600-B2-2	3431	22,7	151	-40°C to +65°C
INS400LED-0600-B2-3	4193	27,8	151	-40°C to +60°C
INS400LED-0600-B2-4	4942	31,6	156	-40°C to +55°C
INS400LED-1200-B4-1	4692	29,5	159	-40°C to +70°C
INS400LED-1200-B4-2	6877	42,5	162	-40°C to +65°C
INS400LED-1200-B4-3	8394	52,7	159	-40°C to +60°C
INS400LED-1200-B4-4	9893	61,7	160	-40°C to +55°C
INS400LED-1500-B4A2-1	5594	36,1	155	-40°C to +70°C
INS400LED-1500-B4A2-2	8308	53,7	155	-40°C to +65°C
INS400LED-1500-B4A2-3	9997	65,0	154	-40°C to +60°C
INS400LED-1500-B4A2-4	11782	77,5	152	-40°C to +55°C

TYPES COMPARISON

Asymetrical optics (ASY)

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMB. TEMP. [°C]
INS400LED-0300-A1-1	592	5,8	102	-25°C to +60°C
INS400LED-0300-A1-2	864	7,4	117	-25°C to +60°C
INS400LED-0300-A1-3	1049	8,9	118	-25°C to +60°C
INS400LED-0300-A1-4	1236	10,0	124	-25°C to +60°C
INS400LED-0600-B2-1	2242	16,2	138	-40°C to +70°C
INS400LED-0600-B2-2	3289	22,7	145	-40°C to +65°C
INS400LED-0600-B2-3	4019	27,8	145	-40°C to +60°C
INS400LED-0600-B2-4	4737	31,6	150	-40°C to +55°C
INS400LED-1200-B4-1	4578	29,5	155	-40°C to +70°C
INS400LED-1200-B4-2	6710	42,5	158	-40°C to +65°C
INS400LED-1200-B4-3	8190	52,7	155	-40°C to +60°C
INS400LED-1200-B4-4	9653	61,7	156	-40°C to +55°C
INS400LED-1500-B4A2-1	5696	36,1	158	-40°C to +70°C
INS400LED-1500-B4A2-2	8459	53,7	158	-40°C to +65°C
INS400LED-1500-B4A2-3	10179	65,0	157	-40°C to +60°C
INS400LED-1500-B4A2-4	11997	77,5	155	-40°C to +55°C

Encapsulated LED modules (C4 i C5)

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMB. TEMP. [°C]
INS400LED-0300-A1-1	512	5,8	88	-25°C to +60°C
INS400LED-0300-A1-2	747	7,4	100	-25°C to +60°C
INS400LED-0300-A1-3	907	8,9	102	-25°C to +60°C
INS400LED-0300-A1-4	1069	10,0	107	-25°C to +60°C
INS400LED-0600-B2-1	1938	16,2	120	-40°C to +70°C
INS400LED-0600-B2-2	2844	22,7	125	-40°C to +65°C
INS400LED-0600-B2-3	3475	27,8	125	-40°C to +60°C
INS400LED-0600-B2-4	4096	31,6	130	-40°C to +55°C
INS400LED-1200-B4-1	3958	29,5	134	-40°C to +70°C
INS400LED-1200-B4-2	5801	42,5	137	-40°C to +65°C
INS400LED-1200-B4-3	7081	52,7	134	-40°C to +60°C
INS400LED-1200-B4-4	8346	61,7	135	-40°C to +55°C
INS400LED-1500-B4A2-1	4925	36,1	136	-40°C to +70°C
INS400LED-1500-B4A2-2	7314	53,7	136	-40°C to +65°C
INS400LED-1500-B4A2-3	8801	65,0	135	-40°C to +60°C
INS400LED-1500-B4A2-4	10373	77,5	134	-40°C to +55°C

Luminous flux tolerance +/- 10%
Power tolerance +/- 10%
The parameters given in the following data sheet has been determined for the temperature Ta=25°C.

Luminous flux, light intensity distribution and efficiency has been tested on the basis of the standards EN ISO 17025:2018-02, norm series EN13032 and LM-79.

MAXIMAL NUMBER OF LUMINAIRES IN ONE LINE

MAXIMUM NUMBER OF LINE CONNECTED LUMINAIRES DEPENDING ON THE CIRCUIT BREAKERS USED

LIGHT FITTING	B16	C16
INS400LED-0300	28	46
INS400LED-0600	32	53
INS400LED-1200	32	53
INS400LED-1500	32	53