



I-TRON 1

MAIN CHARACTERISTICS

Applications	Street lighting.
Optic	STE-M/S: Asymmetrical optic for suburban street lighting. STU-M/S: Asymmetrical optic for street, urban and cycle-path lighting. STW: Asymmetrical optic for wide urban and suburban road lighting, specific for wet asphalts. SV: Asymmetrical optic for very narrow urban streets or highway entrance/exit turns. S05/S07: Asymmetrical optic for street, urban and green areas lighting. STA/STA1: Asymmetrical optic for wide urban road and cycle-path lighting. Colour temperature: 4000K, 3000K, 2700K, 2200K (others in option) CRI ≥ 70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP LED source efficiency: 185 lm/W @ 140mA, Tj=85°C, 4000K
Insulation class	II, I
Protection degree	IP66/IP67 IK09 total
Dimensions	See the drawing
Weight	max 8 kg
Exposed surface	Side: 0.04m ² – Top: 0.16 m ² SCx 0.051 m ²
Mounting	Bracket / Post-top: Ø33mm ÷ Ø60mm Ø60mm ÷ Ø76mm(optional)
Tilt Angle	Post-top: -10°/+25° (step di 5°) Bracket: -25°/+10° (step di 5°)
LED Modules	Removable / Replaceable.
Gear tray	Tool-free opening of wiring compartment, integrated in the luminaire, separate from the optic unit. Removable wiring. Optional removable wiring plate.
Operating temp.	-40°C / +55°C
Storage temp	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, PD EPRS 003 / EN 62722-2-1 2016, EN 55015, EN 61547, EN 61000-3-2, EN-61000-3-3



ELECTRICAL CHARACTERISTICS

Rated voltage	220÷240V 50/60Hz (Standard tolerance +/-10%, other voltages and tolerances upon request)
Power factor	>0,95 (at full load - F, DA, DAC)
Mains connection	Terminal block for cables max section 4mm ²
Surge protection	Up to 12kV With SPD: CL.II: 10kV / 10kV CM/DM CL.I: 12kV / 10kV CM/DM Without SPD: CL.II: 10kV / 6kV CM/DM CL.I: 10kV / 6kV CM/DM
SPD (optional)	12kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life.
Control system (options)	F: Fixed power not dimmable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. DALI: Digital dimming interface DALI. NEMA: Socket 7 pin (ANSI C136.41). ZHAGA: Socket 4 pin (ZHAGA Book 18).
Optical unit lifetime (Tq=25°C)	>100.000hr L90B10 >100.000hr L90, TM-21

MATERIALS

Fixing	Die-cast aluminum UNI EN1706 powder painted.
Lower frame	
Upper canopy	
Closure hook	Extruded aluminium with stainless steel spring.
Optic	99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 5mm thickness high transparency.
Cable gland	Plastic M20x1.5 - IP68
Gasket	Polyurethane without joints.
Colour	Graphite - Cod. 01

I-TRON 1 5P5 4000K

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX*(4000K, lm)	RATED LUMINAIRE POWER*(W)	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX*(4000K, lm)	RATED LED POWER*(W)	Ta MAX (°C)
I-TRON 1 5P5 7040.060-5M	STA STA1 STU-S S05 S07 STE-S	8750	53,4	163	9234	47	50
I-TRON 1 5P5 7040.070-5M		10130	62,2	162	10728	55,1	50
I-TRON 1 5P5 7040.080-5M		11500	71	161	12206	63,3	50
I-TRON 1 5P5 7040.090-5M		12830	79,7	160	13668	71,5	50
I-TRON 1 5P5 7040.100-5M		14150	88,6	159	15115	79,8	50
I-TRON 1 5P5 7040.120-5M		16710	107	156	17962	96,5	50
I-TRON 1 5P5 7040.140-5M		19190	125	153	20748	113	50
I-TRON 1 5P5 7040.160-5M		21580	144	149	23471	130	50
I-TRON 1 5P5 7040.180-5M		23890	164	145	26133	148	50
I-TRON 1 5P5 7040.200-5M		26130	185	141	28732	165	35
I-TRON 1 5P5 7040.060-6M		10500	63,9	164	11081	56,4	50
I-TRON 1 5P5 7040.070-6M		12160	74,3	163	12873	66,1	50
I-TRON 1 5P5 7040.080-6M		13790	84,8	162	14647	75,9	50
I-TRON 1 5P5 7040.090-6M		15390	95,4	161	16402	85,8	50
I-TRON 1 5P5 7040.100-6M		16960	106	160	18138	95,7	50
I-TRON 1 5P5 7040.120-6M		20010	128	156	21555	116	50
I-TRON 1 5P5 7040.140-6M		22940	150	152	24897	136	50
I-TRON 1 5P5 7040.160-6M		25760	173	148	28165	157	50
I-TRON 1 5P5 7040.180-6M		28480	197	144	31359	177	50
I-TRON 1 5P5 7040.060-5M	SV STU-M STE-M STW	8960	53,4	167	9234	47	50
I-TRON 1 5P5 7040.070-5M		10380	62,2	166	10728	55,1	50
I-TRON 1 5P5 7040.080-5M		11770	71	165	12206	63,3	50
I-TRON 1 5P5 7040.090-5M		13140	79,7	164	13668	71,5	50
I-TRON 1 5P5 7040.100-5M		14480	88,6	163	15115	79,8	50
I-TRON 1 5P5 7040.120-5M		17090	107	159	17962	96,5	50
I-TRON 1 5P5 7040.140-5M		19620	125	156	20748	113	50
I-TRON 1 5P5 7040.160-5M		22060	144	153	23471	130	50
I-TRON 1 5P5 7040.180-5M		24430	164	148	26133	148	50
I-TRON 1 5P5 7040.200-5M		26730	185	144	28732	165	35
I-TRON 1 5P5 7040.060-6M		10750	63,9	168	11081	56,4	50
I-TRON 1 5P5 7040.070-6M		12450	74,3	167	12873	66,1	50
I-TRON 1 5P5 7040.080-6M		14120	84,8	166	14647	75,9	50
I-TRON 1 5P5 7040.090-6M		15760	95,4	165	16402	85,8	50
I-TRON 1 5P5 7040.100-6M		17360	106	163	18138	95,7	50
I-TRON 1 5P5 7040.120-6M		20470	128	159	21555	116	50
I-TRON 1 5P5 7040.140-6M		23460	150	156	24897	136	50
I-TRON 1 5P5 7040.160-6M		26340	173	152	28165	157	50
I-TRON 1 5P5 7040.180-6M		29120	197	147	31359	177	50

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac, F/DA/DAC.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet. Tj=85°C.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±7%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

I-TRON 1 5P5 3000K

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX*(3000K, lm)	RATED LUMINAIRE POWER*(W)	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX*(3000K, lm)	RATED LED POWER*(W)	Ta MAX (°C)
I-TRON 1 5P5 7030.060-5M	STA STA1 STU-S S05 S07 STE-S	8220	53,4	153	9234	47	50
I-TRON 1 5P5 7030.070-5M		9530	62,2	153	10728	55,1	50
I-TRON 1 5P5 7030.080-5M		10810	71	152	12206	63,3	50
I-TRON 1 5P5 7030.090-5M		12060	79,7	151	13668	71,5	50
I-TRON 1 5P5 7030.100-5M		13300	88,6	150	15115	79,8	50
I-TRON 1 5P5 7030.120-5M		15710	107	146	17962	96,5	50
I-TRON 1 5P5 7030.140-5M		18040	125	144	20748	113	50
I-TRON 1 5P5 7030.160-5M		20290	144	140	23471	130	50
I-TRON 1 5P5 7030.180-5M		22460	164	136	26133	148	50
I-TRON 1 5P5 7030.200-5M		24560	185	132	28732	165	35
I-TRON 1 5P5 7030.060-6M		9870	63,9	154	11081	56,4	50
I-TRON 1 5P5 7030.070-6M		11430	74,3	153	12873	66,1	50
I-TRON 1 5P5 7030.080-6M		12960	84,8	152	14647	75,9	50
I-TRON 1 5P5 7030.090-6M		14470	95,4	151	16402	85,8	50
I-TRON 1 5P5 7030.100-6M		15940	106	150	18138	95,7	50
I-TRON 1 5P5 7030.120-6M		18810	128	146	21555	116	50
I-TRON 1 5P5 7030.140-6M		21560	150	143	24897	136	50
I-TRON 1 5P5 7030.160-6M		24220	173	140	28165	157	50
I-TRON 1 5P5 7030.180-6M		26770	197	135	31359	177	50
I-TRON 1 5P5 7030.060-5M	SV STU-M STE-M STW	8420	53,4	157	9234	47	50
I-TRON 1 5P5 7030.070-5M		9760	62,2	156	10728	55,1	50
I-TRON 1 5P5 7030.080-5M		11060	71	155	12206	63,3	50
I-TRON 1 5P5 7030.090-5M		12350	79,7	154	13668	71,5	50
I-TRON 1 5P5 7030.100-5M		13610	88,6	153	15115	79,8	50
I-TRON 1 5P5 7030.120-5M		16070	107	150	17962	96,5	50
I-TRON 1 5P5 7030.140-5M		18440	125	147	20748	113	50
I-TRON 1 5P5 7030.160-5M		20740	144	144	23471	130	50
I-TRON 1 5P5 7030.180-5M		22970	164	140	26133	148	50
I-TRON 1 5P5 7030.200-5M		25130	185	135	28732	165	35
I-TRON 1 5P5 7030.060-6M		10100	63,9	158	11081	56,4	50
I-TRON 1 5P5 7030.070-6M		11710	74,3	157	12873	66,1	50
I-TRON 1 5P5 7030.080-6M		13280	84,8	156	14647	75,9	50
I-TRON 1 5P5 7030.090-6M		14810	95,4	155	16402	85,8	50
I-TRON 1 5P5 7030.100-6M		16320	106	153	18138	95,7	50
I-TRON 1 5P5 7030.120-6M		19240	128	150	21555	116	50
I-TRON 1 5P5 7030.140-6M		22050	150	147	24897	136	50
I-TRON 1 5P5 7030.160-6M		24760	173	143	28165	157	50
I-TRON 1 5P5 7030.180-6M		27370	197	138	31359	177	50

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac, F/DA/DAC.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet. Tj=85°C.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±7%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

I-TRON 1 5P5 2700K

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX*(2700K, lm)	RATED LUMINAIRE POWER*(W)	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX*(2700K, lm)	RATED LED POWER*(W)	Ta MAX (°C)
I-TRON 1 5P5 7027.060-5M	STA STA1 STU-S S05 S07 STE-S	7870	53,4	147	9234	47	50
I-TRON 1 5P5 7027.070-5M		9120	62,2	146	10728	55,1	50
I-TRON 1 5P5 7027.080-5M		10350	71	145	12206	63,3	50
I-TRON 1 5P5 7027.090-5M		11550	79,7	144	13668	71,5	50
I-TRON 1 5P5 7027.100-5M		12740	88,6	143	15115	79,8	50
I-TRON 1 5P5 7027.120-5M		15040	107	140	17962	96,5	50
I-TRON 1 5P5 7027.140-5M		17270	125	138	20748	113	50
I-TRON 1 5P5 7027.160-5M		19420	144	134	23471	130	50
I-TRON 1 5P5 7027.180-5M		21510	164	131	26133	148	50
I-TRON 1 5P5 7027.200-5M		23520	185	127	28732	165	35
I-TRON 1 5P5 7027.060-6M		9450	63,9	147	11081	56,4	50
I-TRON 1 5P5 7027.070-6M		10940	74,3	147	12873	66,1	50
I-TRON 1 5P5 7027.080-6M		12410	84,8	146	14647	75,9	50
I-TRON 1 5P5 7027.090-6M		13850	95,4	145	16402	85,8	50
I-TRON 1 5P5 7027.100-6M		15260	106	143	18138	95,7	50
I-TRON 1 5P5 7027.120-6M		18010	128	140	21555	116	50
I-TRON 1 5P5 7027.140-6M		20650	150	137	24897	136	50
I-TRON 1 5P5 7027.160-6M		23180	173	133	28165	157	50
I-TRON 1 5P5 7027.180-6M		25630	197	130	31359	177	50
I-TRON 1 5P5 7027.060-5M	SV STU-M STE-M STW	8060	53,4	150	9234	47	50
I-TRON 1 5P5 7027.070-5M		9340	62,2	150	10728	55,1	50
I-TRON 1 5P5 7027.080-5M		10590	71	149	12206	63,3	50
I-TRON 1 5P5 7027.090-5M		11820	79,7	148	13668	71,5	50
I-TRON 1 5P5 7027.100-5M		13030	88,6	147	15115	79,8	50
I-TRON 1 5P5 7027.120-5M		15380	107	143	17962	96,5	50
I-TRON 1 5P5 7027.140-5M		17660	125	141	20748	113	50
I-TRON 1 5P5 7027.160-5M		19860	144	137	23471	130	50
I-TRON 1 5P5 7027.180-5M		21990	164	134	26133	148	50
I-TRON 1 5P5 7027.200-5M		24060	185	130	28732	165	35
I-TRON 1 5P5 7027.060-6M		9670	63,9	151	11081	56,4	50
I-TRON 1 5P5 7027.070-6M		11210	74,3	150	12873	66,1	50
I-TRON 1 5P5 7027.080-6M		12710	84,8	149	14647	75,9	50
I-TRON 1 5P5 7027.090-6M		14180	95,4	148	16402	85,8	50
I-TRON 1 5P5 7027.100-6M		15620	106	147	18138	95,7	50
I-TRON 1 5P5 7027.120-6M		18420	128	143	21555	116	50
I-TRON 1 5P5 7027.140-6M		21110	150	140	24897	136	50
I-TRON 1 5P5 7027.160-6M		23710	173	137	28165	157	50
I-TRON 1 5P5 7027.180-6M		26210	197	133	31359	177	50

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac, F/DA/DAC.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet. Tj=85°C.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±7%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

I-TRON 1 5P5 2200K

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX*(2200K, lm)	RATED LUMINAIRE POWER*(W)	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX*(2200K, lm)	RATED LED POWER*(W)	Ta MAX (°C)
I-TRON 1 5P5 7022.060-5M	STA STA1 STU-S S05 S07 STE-S	7080	53,4	132	9234	47	50
I-TRON 1 5P5 7022.070-5M		8210	62,2	131	10728	55,1	50
I-TRON 1 5P5 7022.080-5M		9310	71	131	12206	63,3	50
I-TRON 1 5P5 7022.090-5M		10400	79,7	130	13668	71,5	50
I-TRON 1 5P5 7022.100-5M		11460	88,6	129	15115	79,8	50
I-TRON 1 5P5 7022.120-5M		13540	107	126	17962	96,5	50
I-TRON 1 5P5 7022.140-5M		15540	125	124	20748	113	50
I-TRON 1 5P5 7022.160-5M		17480	144	121	23471	130	50
I-TRON 1 5P5 7022.180-5M		19350	164	117	26133	148	50
I-TRON 1 5P5 7022.200-5M		21170	185	114	28732	165	35
I-TRON 1 5P5 7022.060-6M		8500	63,9	133	11081	56,4	50
I-TRON 1 5P5 7022.070-6M		9850	74,3	132	12873	66,1	50
I-TRON 1 5P5 7022.080-6M		11170	84,8	131	14647	75,9	50
I-TRON 1 5P5 7022.090-6M		12470	95,4	130	16402	85,8	50
I-TRON 1 5P5 7022.100-6M		13740	106	129	18138	95,7	50
I-TRON 1 5P5 7022.120-6M		16210	128	126	21555	116	50
I-TRON 1 5P5 7022.140-6M		18580	150	123	24897	136	50
I-TRON 1 5P5 7022.160-6M		20870	173	120	28165	157	50
I-TRON 1 5P5 7022.180-6M		23070	197	117	31359	177	50
I-TRON 1 5P5 7022.060-5M	SV STU-M STE-M STW	7260	53,4	135	9234	47	50
I-TRON 1 5P5 7022.070-5M		8410	62,2	135	10728	55,1	50
I-TRON 1 5P5 7022.080-5M		9530	71	134	12206	63,3	50
I-TRON 1 5P5 7022.090-5M		10640	79,7	133	13668	71,5	50
I-TRON 1 5P5 7022.100-5M		11730	88,6	132	15115	79,8	50
I-TRON 1 5P5 7022.120-5M		13850	107	129	17962	96,5	50
I-TRON 1 5P5 7022.140-5M		15890	125	127	20748	113	50
I-TRON 1 5P5 7022.160-5M		17870	144	124	23471	130	50
I-TRON 1 5P5 7022.180-5M		19790	164	120	26133	148	50
I-TRON 1 5P5 7022.200-5M		21650	185	117	28732	165	35
I-TRON 1 5P5 7022.060-6M		8710	63,9	136	11081	56,4	50
I-TRON 1 5P5 7022.070-6M		10090	74,3	135	12873	66,1	50
I-TRON 1 5P5 7022.080-6M		11440	84,8	134	14647	75,9	50
I-TRON 1 5P5 7022.090-6M		12760	95,4	133	16402	85,8	50
I-TRON 1 5P5 7022.100-6M		14060	106	132	18138	95,7	50
I-TRON 1 5P5 7022.120-6M		16580	128	129	21555	116	50
I-TRON 1 5P5 7022.140-6M		19000	150	126	24897	136	50
I-TRON 1 5P5 7022.160-6M		21330	173	123	28165	157	50
I-TRON 1 5P5 7022.180-6M		23580	197	119	31359	177	50

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac, F/DA/DAC.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet. Tj=85°C.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±7%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

I-TRON 1 4P4 4000K

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX*(4000K, lm)	RATED LUMINAIRE POWER*(W)	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX*(4000K, lm)	RATED LED POWER*(W)	Ta MAX (°C)
I-TRON 1 4P4 7040.080-5M	S05 S07 STE-S	9200	57,2	160	9765	50,6	50
I-TRON 1 4P4 7040.090-5M		10270	64,1	160	10934	57,2	50
I-TRON 1 4P4 7040.100-5M		11320	71,1	159	12092	63,8	50
I-TRON 1 4P4 7040.120-5M		13370	85,3	156	14370	77,2	50
I-TRON 1 4P4 7040.140-5M		15350	100	153	16598	90,7	50
I-TRON 1 4P4 7040.160-5M		17260	115	150	18777	104	50
I-TRON 1 4P4 7040.180-5M		19110	131	145	20906	118	50
I-TRON 1 4P4 7040.200-5M		20900	148	141	22986	132	35
I-TRON 1 4P4 7040.080-6M		11040	68,4	161	11717	60,8	50
I-TRON 1 4P4 7040.090-6M		12320	76,7	160	13121	68,6	50
I-TRON 1 4P4 7040.100-6M	STA STA1 STU-S	13570	85,1	159	14510	76,6	50
I-TRON 1 4P4 7040.120-6M		16010	102	156	17244	92,6	50
I-TRON 1 4P4 7040.140-6M		18350	120	152	19918	109	50
I-TRON 1 4P4 7040.160-6M		20610	138	149	22532	125	50
I-TRON 1 4P4 7040.180-6M		22780	158	144	25087	142	50
I-TRON 1 4P4 7040.080-5M		9300	57,2	162	9765	50,6	50
I-TRON 1 4P4 7040.090-5M		10380	64,1	161	10934	57,2	50
I-TRON 1 4P4 7040.100-5M		11450	71,1	161	12092	63,8	50
I-TRON 1 4P4 7040.120-5M		13530	85,3	158	14370	77,2	50
I-TRON 1 4P4 7040.140-5M		15530	100	155	16598	90,7	50
I-TRON 1 4P4 7040.160-5M	SV STU-M STE-M STW	17470	115	151	18777	104	50
I-TRON 1 4P4 7040.180-5M		19330	131	147	20906	118	50
I-TRON 1 4P4 7040.200-5M		21140	148	142	22986	132	35
I-TRON 1 4P4 7040.080-6M		11160	68,4	163	11717	60,8	50
I-TRON 1 4P4 7040.090-6M		12450	76,7	162	13121	68,6	50
I-TRON 1 4P4 7040.100-6M		13720	85,1	161	14510	76,6	50
I-TRON 1 4P4 7040.120-6M		16190	102	158	17244	92,6	50
I-TRON 1 4P4 7040.140-6M		18560	120	154	19918	109	50
I-TRON 1 4P4 7040.160-6M		20840	138	151	22532	125	50
I-TRON 1 4P4 7040.180-6M		23040	158	145	25087	142	50
I-TRON 1 4P4 7040.080-5M		9510	57,2	166	9765	50,6	50
I-TRON 1 4P4 7040.090-5M		10620	64,1	165	10934	57,2	50
I-TRON 1 4P4 7040.100-5M		11710	71,1	164	12092	63,8	50
I-TRON 1 4P4 7040.120-5M		13840	85,3	162	14370	77,2	50
I-TRON 1 4P4 7040.140-5M		15890	100	158	16598	90,7	50
I-TRON 1 4P4 7040.160-5M		17870	115	155	18777	104	50
I-TRON 1 4P4 7040.180-5M		19790	131	151	20906	118	50
I-TRON 1 4P4 7040.200-5M		21630	148	146	22986	132	35
I-TRON 1 4P4 7040.080-6M		11420	68,4	166	11717	60,8	50
I-TRON 1 4P4 7040.090-6M		12740	76,7	166	13121	68,6	50
I-TRON 1 4P4 7040.100-6M		14040	85,1	164	14510	76,6	50
I-TRON 1 4P4 7040.120-6M		16560	102	162	17244	92,6	50
I-TRON 1 4P4 7040.140-6M		18990	120	158	19918	109	50
I-TRON 1 4P4 7040.160-6M		21330	138	154	22532	125	50
I-TRON 1 4P4 7040.180-6M		23570	158	149	25087	142	50

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac, F/DA/DAC.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet. Tj=85°C.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±7%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

I-TRON 1 4P4 3000K

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX*(3000K, lm)	RATED LUMINAIRE POWER*(W)	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX*(3000K, lm)	RATED LED POWER*(W)	Ta MAX (°C)
I-TRON 1 4P4 7030.080-5M	S05 S07 STE-S	8650	57,2	151	9765	50,6	50
I-TRON 1 4P4 7030.090-5M		9650	64,1	150	10934	57,2	50
I-TRON 1 4P4 7030.100-5M		10640	71,1	149	12092	63,8	50
I-TRON 1 4P4 7030.120-5M		12570	85,3	147	14370	77,2	50
I-TRON 1 4P4 7030.140-5M		14430	100	144	16598	90,7	50
I-TRON 1 4P4 7030.160-5M		16230	115	141	18777	104	50
I-TRON 1 4P4 7030.180-5M		17970	131	137	20906	118	50
I-TRON 1 4P4 7030.200-5M		19650	148	132	22986	132	35
I-TRON 1 4P4 7030.080-6M		10370	68,4	151	11717	60,8	50
I-TRON 1 4P4 7030.090-6M		11580	76,7	150	13121	68,6	50
I-TRON 1 4P4 7030.100-6M	STA STA1 STU-S	12760	85,1	149	14510	76,6	50
I-TRON 1 4P4 7030.120-6M		15050	102	147	17244	92,6	50
I-TRON 1 4P4 7030.140-6M		17250	120	143	19918	109	50
I-TRON 1 4P4 7030.160-6M		19370	138	140	22532	125	50
I-TRON 1 4P4 7030.180-6M		21410	158	135	25087	142	50
I-TRON 1 4P4 7030.080-5M		8740	57,2	152	9765	50,6	50
I-TRON 1 4P4 7030.090-5M		9760	64,1	152	10934	57,2	50
I-TRON 1 4P4 7030.100-5M		10760	71,1	151	12092	63,8	50
I-TRON 1 4P4 7030.120-5M		12710	85,3	149	14370	77,2	50
I-TRON 1 4P4 7030.140-5M		14600	100	146	16598	90,7	50
I-TRON 1 4P4 7030.160-5M	SV STU-M STE-M STW	16420	115	142	18777	104	50
I-TRON 1 4P4 7030.180-5M		18170	131	138	20906	118	50
I-TRON 1 4P4 7030.200-5M		19870	148	134	22986	132	35
I-TRON 1 4P4 7030.080-6M		10490	68,4	153	11717	60,8	50
I-TRON 1 4P4 7030.090-6M		11700	76,7	152	13121	68,6	50
I-TRON 1 4P4 7030.100-6M		12900	85,1	151	14510	76,6	50
I-TRON 1 4P4 7030.120-6M		15220	102	149	17244	92,6	50
I-TRON 1 4P4 7030.140-6M		17450	120	145	19918	109	50
I-TRON 1 4P4 7030.160-6M		19590	138	141	22532	125	50
I-TRON 1 4P4 7030.180-6M		21660	158	137	25087	142	50
I-TRON 1 4P4 7030.080-5M		8940	57,2	156	9765	50,6	50
I-TRON 1 4P4 7030.090-5M		9980	64,1	155	10934	57,2	50
I-TRON 1 4P4 7030.100-5M		11010	71,1	154	12092	63,8	50
I-TRON 1 4P4 7030.120-5M		13010	85,3	152	14370	77,2	50
I-TRON 1 4P4 7030.140-5M		14940	100	149	16598	90,7	50
I-TRON 1 4P4 7030.160-5M		16800	115	146	18777	104	50
I-TRON 1 4P4 7030.180-5M		18600	131	141	20906	118	50
I-TRON 1 4P4 7030.200-5M		20330	148	137	22986	132	35
I-TRON 1 4P4 7030.080-6M		10730	68,4	156	11717	60,8	50
I-TRON 1 4P4 7030.090-6M		11980	76,7	156	13121	68,6	50
I-TRON 1 4P4 7030.100-6M		13200	85,1	155	14510	76,6	50
I-TRON 1 4P4 7030.120-6M		15570	102	152	17244	92,6	50
I-TRON 1 4P4 7030.140-6M		17850	120	148	19918	109	50
I-TRON 1 4P4 7030.160-6M		20050	138	145	22532	125	50
I-TRON 1 4P4 7030.180-6M		22160	158	140	25087	142	50

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac, F/DA/DAC.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet. Tj=85°C.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±7%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

I-TRON 1 4P4 2700K

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX*(2700K, lm)	RATED LUMINAIRE POWER*(W)	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX*(2700K, lm)	RATED LED POWER*(W)	Ta MAX (°C)
I-TRON 1 4P4 7027.080-5M	S05 S07 STE-S	8280	57,2	144	9765	50,6	50
I-TRON 1 4P4 7027.090-5M		9240	64,1	144	10934	57,2	50
I-TRON 1 4P4 7027.100-5M		10190	71,1	143	12092	63,8	50
I-TRON 1 4P4 7027.120-5M		12030	85,3	141	14370	77,2	50
I-TRON 1 4P4 7027.140-5M		13820	100	138	16598	90,7	50
I-TRON 1 4P4 7027.160-5M		15540	115	135	18777	104	50
I-TRON 1 4P4 7027.180-5M		17200	131	131	20906	118	50
I-TRON 1 4P4 7027.200-5M		18810	148	127	22986	132	35
I-TRON 1 4P4 7027.080-6M		9930	68,4	145	11717	60,8	50
I-TRON 1 4P4 7027.090-6M		11080	76,7	144	13121	68,6	50
I-TRON 1 4P4 7027.100-6M	STA STA1 STU-S	12210	85,1	143	14510	76,6	50
I-TRON 1 4P4 7027.120-6M		14410	102	141	17244	92,6	50
I-TRON 1 4P4 7027.140-6M		16520	120	137	19918	109	50
I-TRON 1 4P4 7027.160-6M		18540	138	134	22532	125	50
I-TRON 1 4P4 7027.180-6M		20500	158	129	25087	142	50
I-TRON 1 4P4 7027.080-5M		8370	57,2	146	9765	50,6	50
I-TRON 1 4P4 7027.090-5M		9350	64,1	145	10934	57,2	50
I-TRON 1 4P4 7027.100-5M		10310	71,1	145	12092	63,8	50
I-TRON 1 4P4 7027.120-5M		12170	85,3	142	14370	77,2	50
I-TRON 1 4P4 7027.140-5M		13980	100	139	16598	90,7	50
I-TRON 1 4P4 7027.160-5M	SV STU-M STE-M STW	15720	115	136	18777	104	50
I-TRON 1 4P4 7027.180-5M		17400	131	132	20906	118	50
I-TRON 1 4P4 7027.200-5M		19030	148	128	22986	132	35
I-TRON 1 4P4 7027.080-6M		10040	68,4	146	11717	60,8	50
I-TRON 1 4P4 7027.090-6M		11210	76,7	146	13121	68,6	50
I-TRON 1 4P4 7027.100-6M		12350	85,1	145	14510	76,6	50
I-TRON 1 4P4 7027.120-6M		14570	102	142	17244	92,6	50
I-TRON 1 4P4 7027.140-6M		16700	120	139	19918	109	50
I-TRON 1 4P4 7027.160-6M		18760	138	135	22532	125	50
I-TRON 1 4P4 7027.180-6M		20740	158	131	25087	142	50
I-TRON 1 4P4 7027.080-5M		8560	57,2	149	9765	50,6	50
I-TRON 1 4P4 7027.090-5M		9560	64,1	149	10934	57,2	50
I-TRON 1 4P4 7027.100-5M		10540	71,1	148	12092	63,8	50
I-TRON 1 4P4 7027.120-5M		12450	85,3	145	14370	77,2	50
I-TRON 1 4P4 7027.140-5M		14300	100	143	16598	90,7	50
I-TRON 1 4P4 7027.160-5M		16090	115	139	18777	104	50
I-TRON 1 4P4 7027.180-5M		17810	131	135	20906	118	50
I-TRON 1 4P4 7027.200-5M		19470	148	131	22986	132	35
I-TRON 1 4P4 7027.080-6M		10270	68,4	150	11717	60,8	50
I-TRON 1 4P4 7027.090-6M		11470	76,7	149	13121	68,6	50
I-TRON 1 4P4 7027.100-6M		12640	85,1	148	14510	76,6	50
I-TRON 1 4P4 7027.120-6M		14910	102	146	17244	92,6	50
I-TRON 1 4P4 7027.140-6M		17090	120	142	19918	109	50
I-TRON 1 4P4 7027.160-6M		19190	138	139	22532	125	50
I-TRON 1 4P4 7027.180-6M		21220	158	134	25087	142	50

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac, F/DA/DAC.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet. Tj=85°C.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±7%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

I-TRON 1 4P4 2200K

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX*(2200K, lm)	RATED LUMINAIRE POWER*(W)	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX*(2200K, lm)	RATED LED POWER*(W)	Ta MAX (°C)
I-TRON 1 4P4 7022.080-5M	S05 S07 STE-S	7450	57,2	130	9765	50,6	50
I-TRON 1 4P4 7022.090-5M		8320	64,1	129	10934	57,2	50
I-TRON 1 4P4 7022.100-5M		9170	71,1	128	12092	63,8	50
I-TRON 1 4P4 7022.120-5M		10830	85,3	126	14370	77,2	50
I-TRON 1 4P4 7022.140-5M		12430	100	124	16598	90,7	50
I-TRON 1 4P4 7022.160-5M		13980	115	121	18777	104	50
I-TRON 1 4P4 7022.180-5M		15480	131	118	20906	118	50
I-TRON 1 4P4 7022.200-5M		16930	148	114	22986	132	35
I-TRON 1 4P4 7022.080-6M		8940	68,4	130	11717	60,8	50
I-TRON 1 4P4 7022.090-6M		9980	76,7	130	13121	68,6	50
I-TRON 1 4P4 7022.100-6M		10990	85,1	129	14510	76,6	50
I-TRON 1 4P4 7022.120-6M		12970	102	127	17244	92,6	50
I-TRON 1 4P4 7022.140-6M		14860	120	123	19918	109	50
I-TRON 1 4P4 7022.160-6M		16690	138	120	22532	125	50
I-TRON 1 4P4 7022.180-6M		18450	158	116	25087	142	50
I-TRON 1 4P4 7022.080-5M		STA STA1 STU-S	7530	57,2	131	9765	50,6
I-TRON 1 4P4 7022.090-5M	8410		64,1	131	10934	57,2	50
I-TRON 1 4P4 7022.100-5M	9270		71,1	130	12092	63,8	50
I-TRON 1 4P4 7022.120-5M	10960		85,3	128	14370	77,2	50
I-TRON 1 4P4 7022.140-5M	12580		100	125	16598	90,7	50
I-TRON 1 4P4 7022.160-5M	14150		115	123	18777	104	50
I-TRON 1 4P4 7022.180-5M	15660		131	119	20906	118	50
I-TRON 1 4P4 7022.200-5M	17120		148	115	22986	132	35
I-TRON 1 4P4 7022.080-6M	9040		68,4	132	11717	60,8	50
I-TRON 1 4P4 7022.090-6M	10080		76,7	131	13121	68,6	50
I-TRON 1 4P4 7022.100-6M	11110		85,1	130	14510	76,6	50
I-TRON 1 4P4 7022.120-6M	13110		102	128	17244	92,6	50
I-TRON 1 4P4 7022.140-6M	15030		120	125	19918	109	50
I-TRON 1 4P4 7022.160-6M	16880		138	122	22532	125	50
I-TRON 1 4P4 7022.180-6M	18660		158	118	25087	142	50
I-TRON 1 4P4 7022.080-5M	SV STU-M STE-M STW		7700	57,2	134	9765	50,6
I-TRON 1 4P4 7022.090-5M		8600	64,1	134	10934	57,2	50
I-TRON 1 4P4 7022.100-5M		9490	71,1	133	12092	63,8	50
I-TRON 1 4P4 7022.120-5M		11210	85,3	131	14370	77,2	50
I-TRON 1 4P4 7022.140-5M		12870	100	128	16598	90,7	50
I-TRON 1 4P4 7022.160-5M		14480	115	125	18777	104	50
I-TRON 1 4P4 7022.180-5M		16030	131	122	20906	118	50
I-TRON 1 4P4 7022.200-5M		17520	148	118	22986	132	35
I-TRON 1 4P4 7022.080-6M		9250	68,4	135	11717	60,8	50
I-TRON 1 4P4 7022.090-6M		10320	76,7	134	13121	68,6	50
I-TRON 1 4P4 7022.100-6M		11370	85,1	133	14510	76,6	50
I-TRON 1 4P4 7022.120-6M		13420	102	131	17244	92,6	50
I-TRON 1 4P4 7022.140-6M		15380	120	128	19918	109	50
I-TRON 1 4P4 7022.160-6M		17270	138	125	22532	125	50
I-TRON 1 4P4 7022.180-6M		19090	158	120	25087	142	50

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tg=25°C, Vin=230Vac, F/DA/DAC.

*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet. Tj=85°C.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: $\pm 7\%$. Power tolerance: $\pm 7\%$.

Power tolerance with ZHAGA version or power supply D4i/SR: $\pm 10\%$.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.