

T-LED4

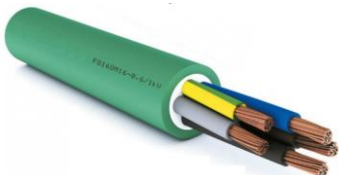
T-LED4

MAIN CHARACTERISTICS

Applications	Tunnel lighting. Suitable for reinforcement and permanent lighting in road tunnels.
Optic	<i>Suitable for central/offset mounting :</i> AS-xx: Asymmetrical optics for reinforcement lighting of road tunnels. TS-xx: Symmetrical optics for reinforcement and permanent lighting of road tunnels. <i>Suitable for side mounting :</i> SV: Asymmetrical optic - extra narrow beam. STE-S / STU-S: Asymmetrical optics – narrow beam. STE-M / STU-M: Asymmetrical optics – medium beam. STW / STA / STA1: Asymmetrical optics – wide beam. S05 / S07: Asymmetrical optics - extra-wide beam. Colour temperature: 4000K (others in option) CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 185 lm/W @ 140mA, Tj=85°C, 4000K
Insulation class	II, I
Protection degree	IP66 IK08
Dimensions	See drawing below
Weight	See table below
Exposed surface	See table below
Luminaire	Luminaire with integrated LED modules, optics and power supply. Integrated mounting brackets. Integrated power supply cable. Screen removable by clip with the use of tools.
Heatsink	ED: External for 20M - 16M - 10M versions. ID: Internal for 8M - 4M – 2M versions.
Operating temp.	-40°C / +40°C
Storage temp	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3
ELECTRICAL CHARACTERISTICS	
Rated voltage	Mains connection branch wiring (BR): 220+240V 50/60Hz.
Power factor	>0,9 (at full load)
Mains connection	BR: Branch Wiring (Single Phase) PT (on request) : Pass-through three-phase wiring with external junction box.
Luminaire connection	Integrated main cable FG16-OM16 0.6/1kV L=1,5 mt (<i>other types on request</i>) F: 2x1,5mm² (CL.II) / 3x1,5mm² (CL.I) DALI: 4x1,5mm² (CL.II) / 5x1,5mm² (CL.I) Option: Plug : IEC 309 2P+T 16A IP67 (<i>other types on request</i>) Option: Cable FIRE-PROOF: FTG18-OM16 0.6/1kV 1.5 mm² L=1,5 mt Option: Separate Network/DALI cables : Network: 2/3x1,5mm² / DALI: 2x1,5mm²
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. DALI: Digital dimming interface DALI. FLC: Constant light flux. WL: Wireless single point communication system. <i>Other controls on request.</i>
Optical unit lifetime (Tq=25°C)	>100.000hr L90B10 >100.000hr L90 TM-21

MATERIALS	
Fixing	Stainless steel AISI 316L
Optical Unit	
Heatsink	Extruded anodized aluminium.
Fixing clip	Stainless steel
Optic	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Alluminum grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 5mm thickness high transparency.
Cable glands	Polyamide
Gasket	Polyurethane without junction point.

External Cable Details

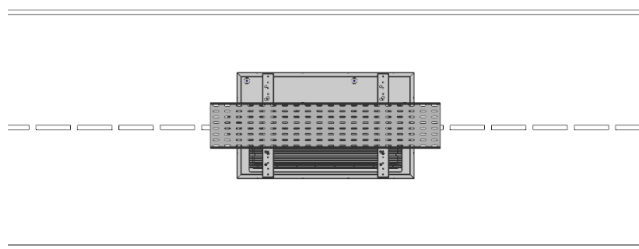
ELECTRICAL CHARACTERISTICS		SAMPLE PICTURE
Type	FG16-OM16	
Rated voltage U0/U	0,6/1kV	
Operating temperature range	Up to 90°C	
Sheath Colour	Green	
Smoke Emission	LS0H (Low-Smoke Zero Halogen)	
CPR classification	C _{ca} -s1b, d1, a1	
Outer diameter	2P 12mm – 5P 14,4mm	
Bending Radius	6xD	

Fireproof External Cable Details (optional)

ELECTRICAL CHARACTERISTICS		SAMPLE PICTURE
Type	FTG18-OM16	
Rated voltage U0/U	0,6/1kV	
Operating temperature range	Up to 90°C	
Sheath Colour	Blue	
Smoke Emission	LS0H (Low-Smoke Zero Halogen)	
CPR classification	B2 _{ca} -s1a, d1, a1	
Outer diameter	2P 12mm – 5P 14,8mm	
Bending Radius	6xD	

Mains Plug Details (optional)

ELECTRICAL CHARACTERISTICS		SAMPLE PICTURE
Type	IEC309 2P+T 230V 16A	
Typology	Straight Plug	
Materials	External body: Technopolymers (Halogen Free) Pins: Nickel-plated brass	
Poles	2P+T	
Tightening capacity of the cable fastener clamp	7.5 - 13.8mm	
Tightening capacity of the terminals	1-4mm²	
Operating temperature	-25°C / +55°C	
Rated current	16A	
Protection degree	IP67	
Colour	Blue	
Dimension	130mm x Ø72mm	
Note: for only versions F, ZHAGA, DALI WITH SEPARATE CABLES (ONLY ON NETWORK CABLE)		

EXAMPLES OF INSTALLATION**Assembly**

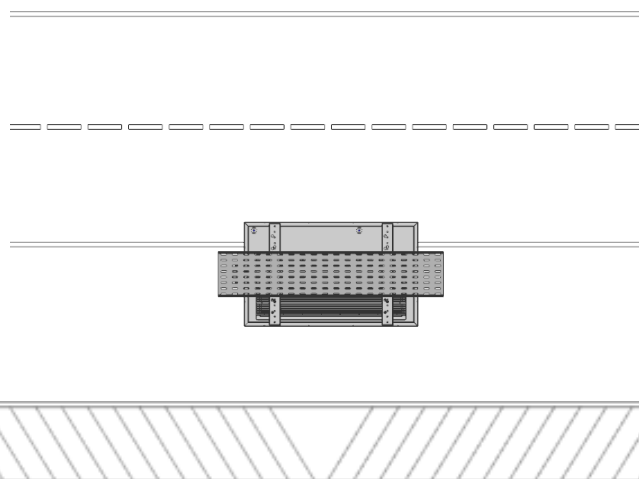
Central cable ladder/tray.

Typical Optics used

AS-xxx C0

TS-xxx C0

TS-xxx C90

**Assembly**

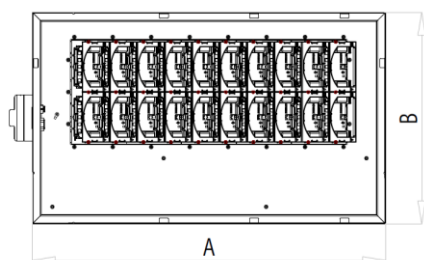
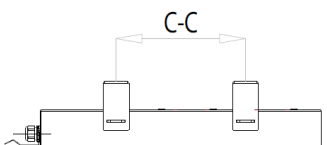
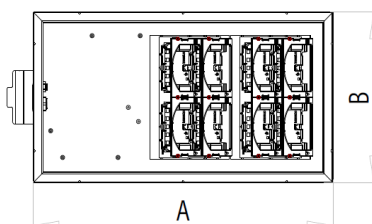
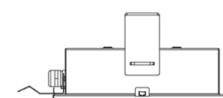
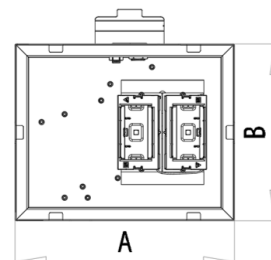
Side cable ladder/tray.

Typical Optics used

ST-xxx C90

S0x C90

SV C90

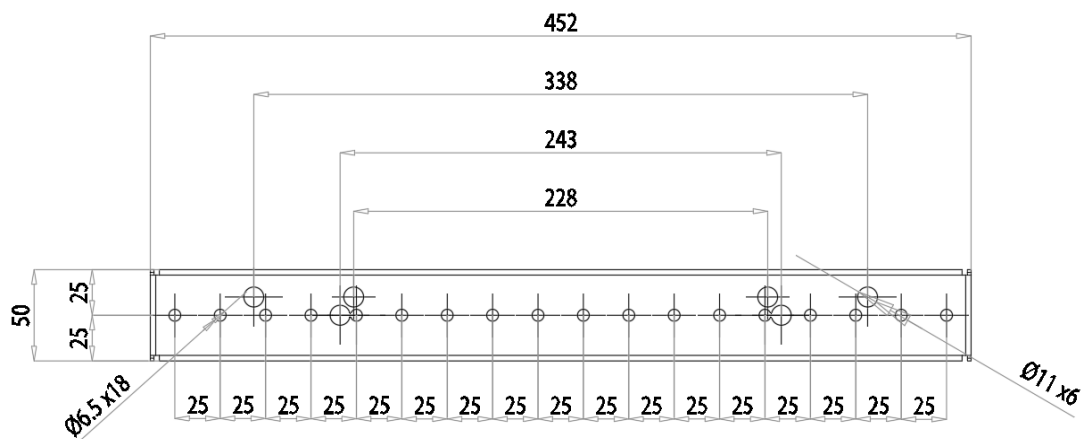
DIMENSIONAL DRAWINGS LUMINAIRE**ED Version 20M-16M-10M****ID Version 8M
ID Version 4M (WL)****ID Version 4M-2M**

F-DALI-FLC Version	
Dimensions	20M: 772(A) x 462(B) x 130mm – C-C = 500mm 16M: 652(A) x 462(B) x 130mm – C-C = 500mm 10M: 577(A) x 462(B) x 130mm – C-C = 250mm 8M: 580(A) x 320(B) x 130mm – C-C = 250mm 4M: 332(A) x 320(B) x 130mm - (Single fixing bracket) 2M: 260(A) x 320(B) x 130mm - (Single fixing bracket)
Exposed Surface	20M: Side: 0.069m ² – Top: 0.361 m ² 16M: Side: 0.058m ² – Top: 0.306 m ² 10M: Side: 0.051m ² – Top: 0.271 m ² 8M: Side: 0.047m ² – Top: 0.190 m ² 4M: Side: 0.027m ² – Top: 0.110 m ² 2M: Side: 0.020m ² – Top: 0.087 m ²
Weight	20M: 20.5kg 16M: 16.9kg 10M: 14.8kg 8M: 9.7kg 4M: 5.6kg 2M: 3.7kg

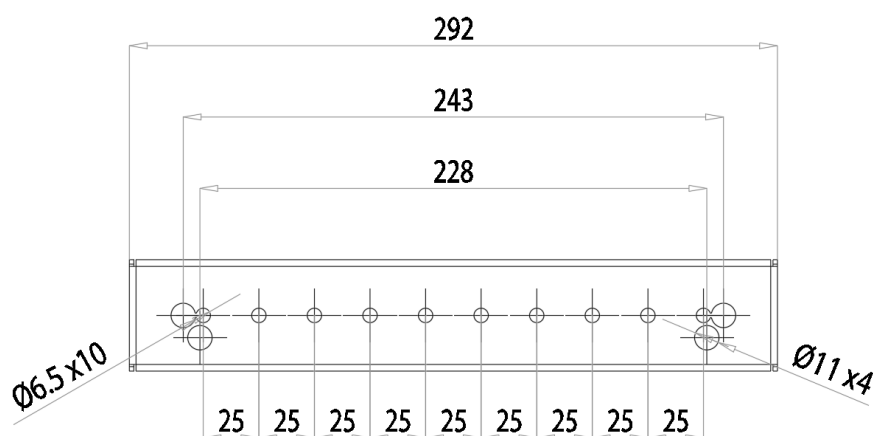
WL Version	
Dimensions	20M: 772(A) x 462(B) x 130mm – C-C = 500mm 16M: 652(A) x 462(B) x 130mm – C-C = 500mm 10M: 577(A) x 462(B) x 130mm – C-C = 250mm 8M: 580(A) x 320(B) x 130mm – C-C = 250mm 4M: 424(A) x 320(B) x 130mm - C-C = 250mm 2M: 290(A) x 320(B) x 130mm - (Single fixing bracket)
Exposed Surface	20M: Side: 0.069m ² – Top: 0.361 m ² 16M: Side: 0.058m ² – Top: 0.306 m ² 10M: Side: 0.051m ² – Top: 0.271 m ² 8M: Side: 0.047m ² – Top: 0.190 m ² 4M: Side: 0.035m ² – Top: 0.140 m ² 2M: Side: 0.022m ² – Top: 0.097 m ²
Weight	20M: 20.5kg 16M: 16.9kg 10M: 14.8kg 8M: 9.7kg 4M: 7.1kg 2M: 4.3kg

FIXING BRACKET DETAIL

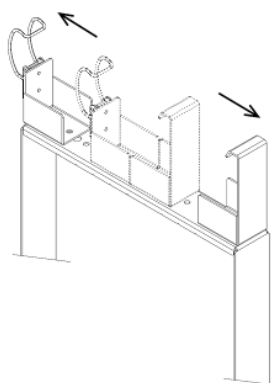
Version 20-16-10M



Version 8-4-2M



Cable Ladder Adjustable Fixing Flange (Optional)



Adjustable fixing flange for cable channel
100x75mm up to 300x75mm.

Tilt angle on request.

The bracket is supplied unmounted in the unit.

FIXING FLANGES COMPATIBILITY	
Model	Max Dimensions
T-LED4 20M-16M-10M	300x75mm (Other sizes on request)
T-LED4 8M-4M-2M	250x75mm (Other sizes on request)

T-LED4 4000K – Ta max 40°C

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX* (4000K, lm)	RATED LUMINAIRE POWER* (W)*	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX* (4000K, lm)	RATED LED POWER* (W)
T-LED4 ID 5P5 C0 7040.070-2M	AS-45M	3960	26,6	148	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5570	37,4	148	6046	31,9
T-LED4 ID 5P5 C0 7040.120-2M		6620	44,8	147	7185	38,6
T-LED4 ID 5P5 C0 7040.080-4M		9050	57,4	157	9765	50,6
T-LED4 ID 5P5 C0 7040.110-4M		12120	79,4	152	13237	70,5
T-LED4 ID 5P5 C0 7040.070-8M		16060	100	160	17164	88,2
T-LED4 ID 5P5 C0 7040.090-8M		20220	128	157	21869	114
T-LED4 ED 5P5 C0 7040.100-10M		27920	178	156	30230	160
T-LED4 ED 5P5 C0 7040.140-10M		37790	254	148	41496	227
T-LED4 ED 5P5 C0 7040.140-16M		58750	408	143	66393	363
T-LED4 ED 5P5 C0 7040.130-20M		69010	472	146	77452	420
T-LED4 ID 5P5 C0 7040.070-2M	AS-55M	3900	26,6	146	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5500	37,4	147	6046	31,9
T-LED4 ID 5P5 C0 7040.120-2M		6550	44,8	146	7185	38,6
T-LED4 ID 5P5 C0 7040.080-4M		8960	57,4	156	9765	50,6
T-LED4 ID 5P5 C0 7040.110-4M		11990	79,4	151	13237	70,5
T-LED4 ID 5P5 C0 7040.070-8M		15880	100	158	17164	88,2
T-LED4 ID 5P5 C0 7040.090-8M		19990	128	156	21869	114
T-LED4 ED 5P5 C0 7040.100-10M		27600	178	155	30230	160
T-LED4 ED 5P5 C0 7040.140-10M		37360	254	147	41496	227
T-LED4 ED 5P5 C0 7040.140-16M		58090	408	142	66393	363
T-LED4 ED 5P5 C0 7040.130-20M		68230	472	144	77452	420
T-LED4 ID 5P5 C0 7040.070-2M	AS-65M	3770	26,6	141	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5310	37,4	141	6046	31,9
T-LED4 ID 5P5 C0 7040.120-2M		6320	44,8	141	7185	38,6
T-LED4 ID 5P5 C0 7040.080-4M		8650	57,4	150	9765	50,6
T-LED4 ID 5P5 C0 7040.110-4M		11580	79,4	145	13237	70,5
T-LED4 ID 5P5 C0 7040.070-8M		15330	100	153	17164	88,2
T-LED4 ID 5P5 C0 7040.090-8M		19300	128	150	21869	114
T-LED4 ED 5P5 C0 7040.100-10M		26650	178	149	30230	160
T-LED4 ED 5P5 C0 7040.140-10M		36080	254	142	41496	227
T-LED4 ED 5P5 C0 7040.140-16M		56080	408	137	66393	363
T-LED4 ED 5P5 C0 7040.130-20M		65870	472	139	77452	420
T-LED4 ID 5P5 C0 7040.070-2M	TS-45M	3960	26,6	148	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5570	37,4	148	6046	31,9
T-LED4 ID 5P5 C0 7040.120-2M		6620	44,8	147	7185	38,6
T-LED4 ID 5P5 C0 7040.080-4M		9050	57,4	157	9765	50,6
T-LED4 ID 5P5 C0 7040.110-4M		12120	79,4	152	13237	70,5
T-LED4 ID 5P5 C0 7040.070-8M		16060	100	160	17164	88,2
T-LED4 ID 5P5 C0 7040.090-8M		20220	128	157	21869	114
T-LED4 ED 5P5 C0 7040.100-10M		27920	178	156	30230	160
T-LED4 ED 5P5 C0 7040.140-10M		37790	254	148	41496	227
T-LED4 ED 5P5 C0 7040.140-16M		58750	408	143	66393	363
T-LED4 ED 5P5 C0 7040.130-20M		69010	472	146	77452	420
T-LED4 ID 5P5 C0 7040.070-2M	TS-55M	3900	26,6	146	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5500	37,4	147	6046	31,9
T-LED4 ID 5P5 C0 7040.120-2M		6550	44,8	146	7185	38,6
T-LED4 ID 5P5 C0 7040.080-4M		8960	57,4	156	9765	50,6
T-LED4 ID 5P5 C0 7040.110-4M		11990	79,4	151	13237	70,5
T-LED4 ID 5P5 C0 7040.070-8M		15880	100	158	17164	88,2
T-LED4 ID 5P5 C0 7040.090-8M		19990	128	156	21869	114
T-LED4 ED 5P5 C0 7040.100-10M		27600	178	155	30230	160
T-LED4 ED 5P5 C0 7040.140-10M		37360	254	147	41496	227
T-LED4 ED 5P5 C0 7040.140-16M		58090	408	142	66393	363
T-LED4 ED 5P5 C0 7040.130-20M		68230	472	144	77452	420
T-LED4 ID 5P5 C0 7040.070-2M	TS-65M	3770	26,6	141	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5310	37,4	141	6046	31,9
T-LED4 ID 5P5 C0 7040.120-2M		6320	44,8	141	7185	38,6
T-LED4 ID 5P5 C0 7040.080-4M		8650	57,4	150	9765	50,6
T-LED4 ID 5P5 C0 7040.110-4M		11580	79,4	145	13237	70,5
T-LED4 ID 5P5 C0 7040.070-8M		15330	100	153	17164	88,2
T-LED4 ID 5P5 C0 7040.090-8M		19300	128	150	21869	114
T-LED4 ED 5P5 C0 7040.100-10M		26650	178	149	30230	160
T-LED4 ED 5P5 C0 7040.140-10M		36080	254	142	41496	227
T-LED4 ED 5P5 C0 7040.140-16M		56080	408	137	66393	363
T-LED4 ED 5P5 C0 7040.130-20M		65870	472	139	77452	420

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX* (4000K, lm)	RATED LUMINAIRE POWER* (W)*	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX* (4000K, lm)	RATED LED POWER* (W)
T-LED4 ID 5P5 C90 7040.040-2M	STE-M STU-M STW SV	2400	16	150	2480	12,4
T-LED4 ID 5P5 C90 7040.090-2M		5140	33,8	152	5467	28,6
T-LED4 ID 5P5 C90 7040.120-2M		6770	44,8	151	7185	38,6
T-LED4 ID 5P5 C90 7040.070-4M		8170	50,4	162	8582	44,1
T-LED4 ID 5P5 C90 7040.090-4M		10320	64,7	159	10934	57,2
T-LED4 ID 5P5 C90 7040.110-4M		12400	79,4	156	13237	70,5
T-LED4 ID 5P5 C90 7040.070-8M		16430	100	164	17164	88,2
T-LED4 ID 5P5 C90 7040.090-8M		20690	128	161	21869	114
T-LED4 ID 5P5 C90 7040.040-2M	S05 S07 STA STE-S STU-S	2340	16	146	2480	12,4
T-LED4 ID 5P5 C90 7040.090-2M		5040	33,8	149	5467	28,6
T-LED4 ID 5P5 C90 7040.120-2M		6620	44,8	147	7185	38,6
T-LED4 ID 5P5 C90 7040.120-4M		7990	50,4	158	8582	44,1
T-LED4 ID 5P5 C90 7040.090-4M		10100	64,7	156	10934	57,2
T-LED4 ID 5P5 C90 7040.110-4M		12120	79,4	152	13237	70,5
T-LED4 ID 5P5 C90 7040.070-8M		16060	100	160	17164	88,2
T-LED4 ID 5P5 C90 7040.090-8M		20220	128	157	21869	114
T-LED4 ID 5P5 C90 7040.040-2M	TS-EM TS-UM TS-W TS-V	2400	16	150	2480	12,4
T-LED4 ID 5P5 C90 7040.090-2M		5140	33,8	152	5467	28,6
T-LED4 ID 5P5 C90 7040.120-2M		6770	44,8	151	7185	38,6
T-LED4 ID 5P5 C90 7040.070-4M		8170	50,4	162	8582	44,1
T-LED4 ID 5P5 C90 7040.090-4M		10320	64,7	159	10934	57,2
T-LED4 ID 5P5 C90 7040.110-4M		12400	79,4	156	13237	70,5
T-LED4 ID 5P5 C90 7040.070-8M		16430	100	164	17164	88,2
T-LED4 ID 5P5 C90 7040.090-8M		20690	128	161	21869	114
T-LED4 ID 5P5 C90 7040.040-2M	TS-05 TS-07 TS-A TS-ES TS-US	2340	16	146	2480	12,4
T-LED4 ID 5P5 C90 7040.090-2M		5040	33,8	149	5467	28,6
T-LED4 ID 5P5 C90 7040.120-2M		6620	44,8	147	7185	38,6
T-LED4 ID 5P5 C90 7040.070-4M		7990	50,4	158	8582	44,1
T-LED4 ID 5P5 C90 7040.090-4M		10100	64,7	156	10934	57,2
T-LED4 ID 5P5 C90 7040.110-4M		12120	79,4	152	13237	70,5
T-LED4 ID 5P5 C90 7040.070-8M		16060	100	160	17164	88,2
T-LED4 ID 5P5 C90 7040.090-8M		20220	128	157	21869	114

*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%.

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

T-LED4 4000K – Ta max 25°C

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX* (4000K, lm)	RATED LUMINAIRE POWER* (W)*	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX* (4000K, lm)	RATED LED POWER* (W)
T-LED4 ID 5P5 C0 7040.070-2M	AS-45M	3960	26,6	148	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5570	37,4	148	6046	31,9
T-LED4 ID 5P5 C0 7040.140-2M		7640	52,3	146	8299	45,4
T-LED4 ID 5P5 C0 7040.100-4M		11120	72	154	12092	63,8
T-LED4 ID 5P5 C0 7040.140-4M		15030	102	147	16598	90,7
T-LED4 ID 5P5 C0 7040.090-8M	AS-45N	20220	128	157	21869	114
T-LED4 ID 5P5 C0 7040.120-8M	AS-45W	26030	171	152	28740	154
T-LED4 ED 5P5 C0 7040.120-10M		32970	216	152	35925	193
T-LED4 ED 5P5 C0 7040.170-10M		44570	312	142	49619	278
T-LED4 ED 5P5 C0 7040.140-16M		58750	408	143	66393	363
T-LED4 ED 5P5 C0 7040.160-20M		82040	587	139	93885	522
T-LED4 ID 5P5 C0 7040.070-2M	AS-55M	3900	26,6	146	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5500	37,4	147	6046	31,9
T-LED4 ID 5P5 C0 7040.140-2M		7560	52,3	144	8299	45,4
T-LED4 ID 5P5 C0 7040.100-4M		11000	72	152	12092	63,8
T-LED4 ID 5P5 C0 7040.140-4M		14860	102	145	16598	90,7
T-LED4 ID 5P5 C0 7040.090-8M	AS-55N	19990	128	156	21869	114
T-LED4 ID 5P5 C0 7040.120-8M	AS-55W	25730	171	150	28740	154
T-LED4 ED 5P5 C0 7040.120-10M		32590	216	150	35925	193
T-LED4 ED 5P5 C0 7040.170-10M		44060	312	141	49619	278
T-LED4 ED 5P5 C0 7040.140-16M		58090	408	142	66393	363
T-LED4 ED 5P5 C0 7040.160-20M		81110	587	138	93885	522
T-LED4 ID 5P5 C0 7040.070-2M	AS-65M	3770	26,6	141	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5310	37,4	141	6046	31,9
T-LED4 ID 5P5 C0 7040.140-2M		7300	52,3	139	8299	45,4
T-LED4 ID 5P5 C0 7040.100-4M		10620	72	147	12092	63,8
T-LED4 ID 5P5 C0 7040.140-4M		14350	102	140	16598	90,7
T-LED4 ID 5P5 C0 7040.090-8M	AS-65N	19300	128	150	21869	114
T-LED4 ID 5P5 C0 7040.120-8M	AS-65W	24850	171	145	28740	154
T-LED4 ED 5P5 C0 7040.120-10M		31470	216	145	35925	193
T-LED4 ED 5P5 C0 7040.170-10M		42550	312	136	49619	278
T-LED4 ED 5P5 C0 7040.140-16M		56080	408	137	66393	363
T-LED4 ED 5P5 C0 7040.160-20M		78310	587	133	93885	522
T-LED4 ID 5P5 C0 7040.070-2M	TS-45M	3960	26,6	148	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5570	37,4	148	6046	31,9
T-LED4 ID 5P5 C0 7040.140-2M		7640	52,3	146	8299	45,4
T-LED4 ID 5P5 C0 7040.100-4M		11120	72	154	12092	63,8
T-LED4 ID 5P5 C0 7040.140-4M		15030	102	147	16598	90,7
T-LED4 ID 5P5 C0 7040.090-8M	TS-45N	20220	128	157	21869	114
T-LED4 ID 5P5 C0 7040.120-8M	TS-45W	26030	171	152	28740	154
T-LED4 ED 5P5 C0 7040.120-10M		32970	216	152	35925	193
T-LED4 ED 5P5 C0 7040.170-10M		44570	312	142	49619	278
T-LED4 ED 5P5 C0 7040.140-16M		58750	408	143	66393	363
T-LED4 ED 5P5 C0 7040.160-20M		82040	587	139	93885	522
T-LED4 ID 5P5 C0 7040.070-2M	TS-55M	3900	26,6	146	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5500	37,4	147	6046	31,9
T-LED4 ID 5P5 C0 7040.140-2M		7560	52,3	144	8299	45,4
T-LED4 ID 5P5 C0 7040.100-4M		11000	72	152	12092	63,8
T-LED4 ID 5P5 C0 7040.140-4M		14860	102	145	16598	90,7
T-LED4 ID 5P5 C0 7040.090-8M	TS-55N	19990	128	156	21869	114
T-LED4 ID 5P5 C0 7040.120-8M	TS-55W	25730	171	150	28740	154
T-LED4 ED 5P5 C0 7040.120-10M		32590	216	150	35925	193
T-LED4 ED 5P5 C0 7040.170-10M		44060	312	141	49619	278
T-LED4 ED 5P5 C0 7040.140-16M		58090	408	142	66393	363
T-LED4 ED 5P5 C0 7040.160-20M		81110	587	138	93885	522
T-LED4 ID 5P5 C0 7040.070-2M	TS-65M	3770	26,6	141	4291	22
T-LED4 ID 5P5 C0 7040.100-2M		5310	37,4	141	6046	31,9
T-LED4 ID 5P5 C0 7040.140-2M		7300	52,3	139	8299	45,4
T-LED4 ID 5P5 C0 7040.100-4M		10620	72	147	12092	63,8
T-LED4 ID 5P5 C0 7040.140-4M		14350	102	140	16598	90,7
T-LED4 ID 5P5 C0 7040.090-8M	TS-65N	19300	128	150	21869	114
T-LED4 ID 5P5 C0 7040.120-8M	TS-65W	24850	171	145	28740	154
T-LED4 ED 5P5 C0 7040.120-10M		31470	216	145	35925	193
T-LED4 ED 5P5 C0 7040.170-10M		42550	312	136	49619	278
T-LED4 ED 5P5 C0 7040.140-16M		56080	408	137	66393	363
T-LED4 ED 5P5 C0 7040.160-20M		78310	587	133	93885	522

LUMINAIRE	OPTIC	RATED LUMINAIRE FLUX* (4000K, lm)	RATED LUMINAIRE POWER* (W)*	LUMINAIRE EFFICACY (lm/W)	RATED LED FLUX* (4000K, lm)	RATED LED POWER* (W)
T-LED4 ID 5P5 C90 7040.040-2M	STE-M STU-M STW SV	2400	16	150	2480	12,4
T-LED4 ID 5P5 C90 7040.060-2M		3490	23	151	3694	18,8
T-LED4 ID 5P5 C90 7040.100-2M		5690	37,4	152	6046	31,9
T-LED4 ID 5P5 C90 7040.140-2M		7820	52,3	149	8299	45,4
T-LED4 ID 5P5 C90 7040.080-4M		9260	57,4	161	9765	50,6
T-LED4 ID 5P5 C90 7040.100-4M		11370	72	157	12092	63,8
T-LED4 ID 5P5 C90 7040.120-4M		13410	86,9	154	14370	77,2
T-LED4 ID 5P5 C90 7040.140-4M		15370	102	150	16598	90,7
T-LED4 ID 5P5 C90 7040.080-8M		18590	114	163	19529	101
T-LED4 ID 5P5C90 7040.100-8M		22720	142	160	24184	128
T-LED4 ID 5P5 C90 7040.120-8M		26620	171	155	28740	154
T-LED4 ID 5P5 C90 7040.040-2M	S05 S07 STA STE-S STU-S	2340	16	146	2480	12,4
T-LED4 ID 5P5 C90 7040.060-2M		3420	23	148	3694	18,8
T-LED4 ID 5P5 C90 7040.100-2M		5570	37,4	148	6046	31,9
T-LED4 ID 5P5 C90 7040.140-2M		7640	52,3	146	8299	45,4
T-LED4 ID 5P5 C90 7040.080-4M		9050	57,4	157	9765	50,6
T-LED4 ID 5P5 C90 7040.100-4M		11120	72	154	12092	63,8
T-LED4 ID 5P5 C90 7040.120-4M		13110	86,9	150	14370	77,2
T-LED4 ID 5P5 C90 7040.140-4M		15030	102	147	16598	90,7
T-LED4 ID 5P5 C90 7040.080-8M		18170	114	159	19529	101
T-LED4 ID 5P5C90 7040.100-8M		22210	142	156	24184	128
T-LED4 ID 5P5 C90 7040.120-8M		26030	171	152	28740	154
T-LED4 ID 5P5 C90 7040.040-2M	TS-EM TS-UM TS-W TS-V	2400	16	150	2480	12,4
T-LED4 ID 5P5 C90 7040.060-2M		3490	23	151	3694	18,8
T-LED4 ID 5P5 C90 7040.100-2M		5690	37,4	152	6046	31,9
T-LED4 ID 5P5 C90 7040.140-2M		7820	52,3	149	8299	45,4
T-LED4 ID 5P5 C90 7040.080-4M		9260	57,4	161	9765	50,6
T-LED4 ID 5P5 C90 7040.100-4M		11370	72	157	12092	63,8
T-LED4 ID 5P5 C90 7040.120-4M		13410	86,9	154	14370	77,2
T-LED4 ID 5P5 C90 7040.140-4M		15370	102	150	16598	90,7
T-LED4 ID 5P5 C90 7040.080-8M		18590	114	163	19529	101
T-LED4 ID 5P5C90 7040.100-8M		22720	142	160	24184	128
T-LED4 ID 5P5 C90 7040.120-8M		26620	171	155	28740	154
T-LED4 ID 5P5 C90 7040.040-2M	TS-05 TS-07 TS-A TS-ES TS-US	2340	16	146	2480	12,4
T-LED4 ID 5P5 C90 7040.060-2M		3420	23	148	3694	18,8
T-LED4 ID 5P5 C90 7040.100-2M		5570	37,4	148	6046	31,9
T-LED4 ID 5P5 C90 7040.140-2M		7640	52,3	146	8299	45,4
T-LED4 ID 5P5 C90 7040.080-4M		9050	57,4	157	9765	50,6
T-LED4 ID 5P5 C90 7040.100-4M		11120	72	154	12092	63,8
T-LED4 ID 5P5 C90 7040.120-4M		13110	86,9	150	14370	77,2
T-LED4 ID 5P5 C90 7040.140-4M		15030	102	147	16598	90,7
T-LED4 ID 5P5 C90 7040.080-8M		18170	114	159	19529	101
T-LED4 ID 5P5 C90 7040.100-8M		22210	142	156	24184	128
T-LED4 ID 5P5 C90 7040.120-8M		26030	171	152	28740	154

*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%.

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