

Zone 1, 21 & 2, 22



Sectors of application:



Offshore facilities



Agribusiness facilities



Onshore facilities



Low temp. environments



Chemical and petrochemical facilities



Waste water treatment plants



Naval installations

Linear LED lighting fixture in aluminium.
Available emergency variant -60°C to +60°C

MECHANICAL FEATURES

- Body:** Aluminium alloy extrusion and end caps, resistant to atmospheric and marine corrosion
- Clear part:** Glass resistant to shocks, impact and UV rays
- Gaskets:** Acid and hydrocarbon resistant silicone
- Internal frame:** Aluminium extrusion
- Screws:** Stainless steel
- Entry points:** Standard version with 4 holes Ø20.5 Through Wired + Loop-in-Loop out. complete with 2 NAV20IB (Gland) and 2 PLG1IB (blank plugs)
- Assembly:** Fastening brackets for M8 holes, adjustable 0° to ±30°

ELECTRICAL FEATURES

- Power unit:** Electronic
- Rated voltage:** 110-277 Vac (for more information, see the Selection tables)
- Rated frequency:** 50/60 Hz
- Connection:** Directly to the terminal board L, N, Pe cross sec. max. 4 mm² jumpered terminal board suitable for in-out from a single side
- Emergency unit:** Electronic inverter 110/277 Vac 50/60 Hz, 110/270 Vdc. Batteries Ni/Mh, 1.8 Ah or 3 Ah, 6V
- Battery charging monitored by high luminosity green LED**
- Cabling:** Rigid cables for high temperatures

CERTIFICATE DATA

Installation: zone 1, 2, 21, 22 Tritex-Z1
zone 2 , 21 ,22 Tritex-Z2

Marking:

Tritex-Z1

CE 0722 Ex II 2GD - Ex db eb mb IIC T.. Gb - Ex tb IIIC T..°C Db - IP66

Tritex-Z2

CE Ex II 3G - Ex ec IIC T.. Gc
CE 0722 Ex II 2D - Ex tb IIIC T..°C Db - IP66

Ambient temperature: -60°C for models without a battery, -20°C or -60°C for versions with a battery. (For all ambient temperature ranges please see the “selection table”).

Degree of protection: IP66

ELECTRICAL FEATURES

Viewing Angle: 120°

Colour temperature: 5000K

Supply voltage-	Tritex-Z1-03..	Tritex-Z1-06..	Tritex-Z1-12..	Tritex-Z1-15..
	..15 220-240 Vac	..15 220-240 Vac	..30 110-277 Vac	..90 120-277 Vac
	-	..30 110-277 Vac	..60 110-277 Vac	-
	-	..45 110-277 Vac	..90 120-277 Vac	-
	-	..60 110-277 Vac	..120 220-277 Vac	-



ACCESSORIES UPON REQUEST / SPECIAL REQUESTS

- Pole fastening mechanism
- Cage
- Coloured LED strip lights
- Emergency lighting fixture with battery box to facilitate battery maintenance/replacement operations (example code: Tritex-Z11230N-AE)
- Emergency lighting fixture with battery heater (internal component) for ambient temperatures of -60°C, supplied voltage 230Vac. (example code: Tritex-Z1-1230NH)
- Driver multirange
- Cable gland
- Plugs

DIMENSIONAL DRAWING

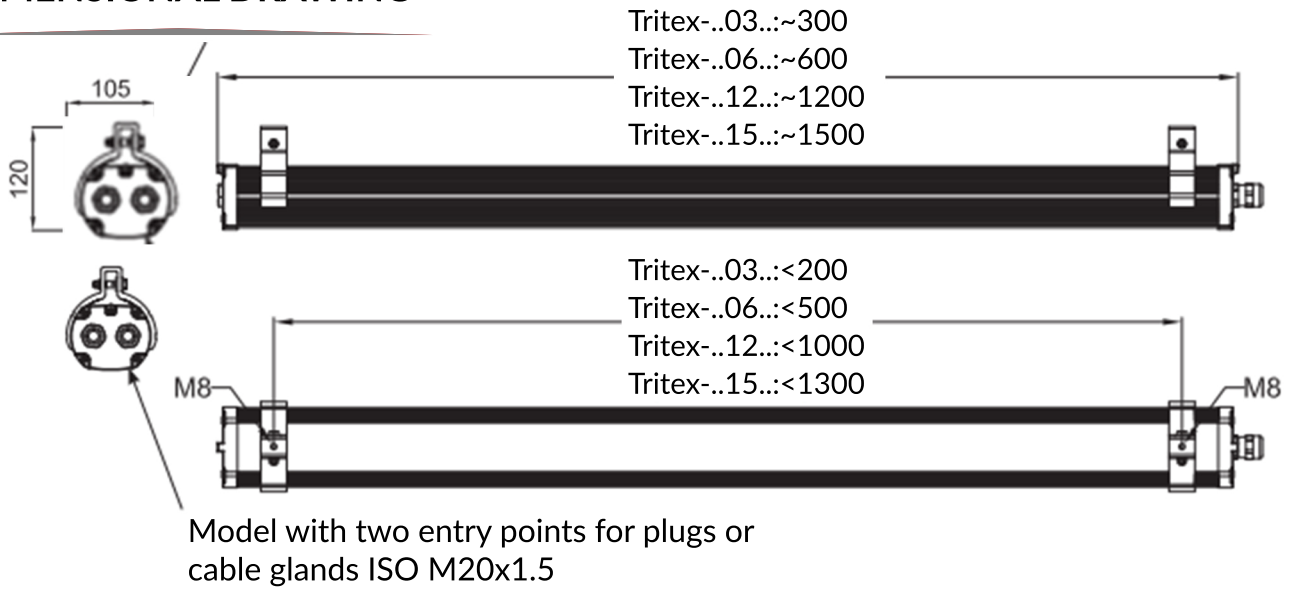


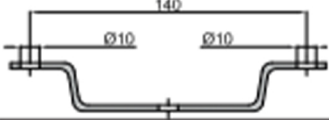
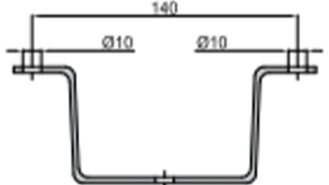
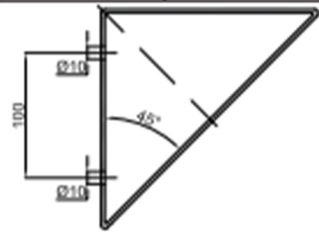
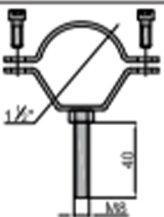





ILLUSTRATION	DESCRIPTION	MODEL	FEATURES
	Rod	Length: 250 mm	Material: stainless steel
	O-type eye bolt		Material: galvanized steel
	Bracket type U complete with screws		Material bracket: galvanized steel screws: stainless steel
	Bracket type V complete with screws		Material bracket: galvanized steel screws: stainless steel
	Bracket type D complete with screws		Material bracket: galvanized steel screws: stainless steel
	Bracket type P		Material: galvanized steel
	Cable gland		For cable gland models and codes, please see www.cortemgroup.com

SELECTION TABLE: Temperature classes and maximum surface temperatures (Z1)


NORMAL OPERATION

Code	Real power Watt	Rated power Watt	Supply voltage Volt	Temperature class / Maximum surface temperature			Lumen lm	Light intensity cd	Overall efficiency Lm/W	Weight kg	 mm
				+40°C	+50°C	+60°C					
Tritex-Z1-0315	13,9	15,0	220-240 Vac	T62°C/T6	T67°C/T6	T77°C/T5	1865	738	134	1,5	541x103x132
Tritex-Z1-0330	26,6	30,0	220-240 Vac	T58°C/T6	T73°C/T5	T78°C/T4	3697	1345	140	1,5	541x103x132
Tritex-Z1-0615	15,0	15,0	220-240 Vac	T62°C/T6	T67°C/T6	T77°C/T5	2008	777	134	2,5	840x103x132
Tritex-Z1-0630	26,2	30,0	110-277 Vac	T85°C/T6	T90°C/T5	T100°C/T4	3677	1345	140	2,5	840x103x132
Tritex-Z1-0645	43,5	45,0	220-240 Vac	T88°C/T6	T93°C/T5	-	6200	2248	143	2,5	840x103x132
Tritex-Z1-0660	54,5	60,0	220-240 Vac	T100°C/T6	-	-	8011	2924	147	2,5	840x103x132
Tritex-Z1-1230	29,0	30,0	110-277 Vac	T65°C/T6	T70°C/T6	T80°C/T5	4112	1451	142	3,5	1398x103x132
Tritex-Z1-1260	55,7	60,0	220-240 Vac	T85°C/T6	T90°C/T5	T100°C/T4	8316	2930	149	3,5	1398x103x132
Tritex-Z1-1290	79,3	90,0	120-277 Vac	T94°C/T6	T99°C/T4	T109°C/T4	12228	4323	154	3,5	1398x103x132
Tritex-Z1-12120	102,6	120,0	220-277 Vac	T96°C/T5	T101°C/T4	-	16029	5662	156	3,4	1398x103x132
Tritex-Z1-1590	78,6	90,0	120-277 Vac	T94°C/T6	T99°C/T4	T109°C/T4	11926	4204	152	4,0	1738x103x132

NORMAL OPERATION + EMERGENCY


Code	Real power Watt	Rated power Watt	Supply voltage Volt	Temperature class / Maximum surface temperature			Lumen lm **	Discharge time in minutes	Weight kg	 mm
				+40°C	+50°C	+60°C				
Tritex-Z1-0615N	15,0	15,0	220-240 Vac	T62°C/T6	T67°C/T6	T77°C/T5	980	90	3,0	840x103x132
Tritex-Z1-0630N	26,2	30,0	220-240 Vac	T85°C/T6	T90°C/T5	T100°C/T4	980	90	3,0	840x103x132
Tritex-Z1-1230N*	29,0	30,0	110-277 Vac	T65°C/T6	T70°C/T6	T80°C/T6	994	180	4,5	1398x103x132
Tritex-Z1-1260N*	55,7	60,0	220-240 Vac	T85°C/T6	T90°C/T5	T100°C/T4	994	180	4,5	1398x103x132
Tritex-Z1-1590N*	78,6	90,0	120-277 Vac	T94°C/T6	T99°C/T4	T109°C/T4	932	180	5,0	1738x103x132

EMERGENCY OPERATION ONLY


Code	Supply voltage Volt	Temperature class / Maximum surface temperature			Lumen lm	Discharge time in minutes	Weight kg	 mm
		+40°C	+50°C	+60°C				
Tritex-Z1-0615E*	110-277 Vac	T62°C/T6	T67°C/T6	T77°C/T5	1167	90	2,5	840x103x132
Tritex-Z1-1230E*	110-277 Vac	T65°C/T6	T70°C/T6	T80°C/T5	1151	90	3,5	1398x103x132

SELECTION TABLE: Temperature classes and maximum surface temperatures (Z2)


NORMAL OPERATION

Code	Real power Watt	Rated power Watt	Supply voltage Volt	Maximum surface temperature			Lumen lm	Light intensity cd	Overall efficiency Lm/W	Weight kg	 mm
				+40°C	+50°C	+60°C					
Tritex-Z2-0615	15,0	15,0	220-240 Vac	T62°C/T6	T67°C/T6	T77°C/T5	2008	777	134	2,0	840x103x132
Tritex-Z2-0630	26,2	30,0	220-240 Vac	T85°C/T6	T90°C/T5	T100°C/T4	3677	1345	140	2,0	840x103x132
Tritex-Z2-0645	43,5	45,0	220-240 Vac	T88°C/T6	T93°C/T5	-	6200	2248	143	2,0	840x103x132
Tritex-Z2-0660	54,5	60,0	220-240 Vac	T100°C/T6	-	-	8011	2924	147	2,0	840x103x132
Tritex-Z2-1230	29,0	30,0	220-240 Vac	T65°C/T6	T70°C/T6	T80°C/T5	4112	1451	142	3,0	1398x103x132
Tritex-Z2-1260	55,7	60,0	220-240 Vac	T85°C/T6	T90°C/T5	T100°C/T4	8316	2930	149	3,0	1398x103x132
Tritex-Z2-1290	79,3	90,0	220-240 Vac	T94°C/T6	T99°C/T4	T109°C/T4	12228	4323	154	3,0	1398x103x132
Tritex-Z2-1590	78,6	90,0	220-240 Vac	T94°C/T6	T99°C/T4	T109°C/T4	11926	4204	152	3,5	1738x103x132

NORMAL OPERATION + EMERGENCY

Code	Real power Watt	Rated power Watt	Supply voltage Volt	Maximum surface temperature			Lumen lm	Discharge time in minutes	Weight kg	 mm
				+40°C	+50°C	+60°C				
Tritex-Z2-0615N	15,0	15,0	220-240 Vac	T62°C/T6	T67°C/T6	T77°C/T5	980	90	3,0	840x103x132
Tritex-Z2-0630N	26,2	30,0	220-240 Vac	T85°C/T6	T90°C/T5	T100°C/T4	980	90	3,0	840x103x132
Tritex-Z2-1230N*	29,0	30,0	220-240 Vac	T65°C/T6	T70°C/T6	T80°C/T5	994	180	4,5	1398x103x132
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EMERGENCY OPERATION ONLY

Code	Supply voltage Volt	Maximum surface temperature			Lumen lm	Discharge time in minutes	Weight kg	 mm
		+40°C	+50°C	+60°C				
Tritex-Z2-0615E*	110-277 Vac	T62°C/T6	T67°C/T6	T77°C/T5	1167	90	2,0	840x103x132
Tritex-Z2-1230E*	110-277 Vac	T65°C/T6	T70°C/T6	T80°C/T5	1151	90	3,0	1398x103x132



POLE MOUNT MECHANISM

