



**Hazardous**  
Lighting Solutions LTD



# TRITEX



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



OFFSHORE



ONSHORE



AGRIBUSINESS



CHEMICAL



LOW TEMP.



NAVAL

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

CE Ex II 3G - Ex nR IIC T.. Gc

CE 0722 Ex II 2D - Ex tb IIIC T..°C Db - IP66

## 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

**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 mm<sup>2</sup> 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

**Ambient Temperatures:** -60°C for versions without battery, -20°C/-60°C for versions with battery

## PHOTOMETRICAL PARAMETERS

**CRI:** >80

**Colour temperature:** 5000 K

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

Code	Real Power (W)	Rated Power (W)	Supply Voltage	+40°C Temp Class	+50°C Temp Class	+60°C Temp Class	Lumen (lm)	Light Intensity (cd)	Overall Efficiency (Lm/W)
Tritex-Z1-0315	13.9	15	220–240 Vac	T57°C / T6	T67°C / T6	T77°C / T6	1865	738	134
Tritex-Z1-0330	26.6	30	220–240 Vac	T58°C / T6	T68°C / T6	T78°C / T5	3697	1345	140
Tritex-Z1-0615	15	15	220–240 Vac	T57°C / T6	T67°C / T6	T77°C / T6	2008	777	134
Tritex-Z1-0630	26.2	30	110–277 Vac	T80°C / T6	T90°C / T5	T100°C / T4	3677	1345	140
Tritex-Z1-0645	43.5	45	220–240 Vac	T83°C / T5	T93°C / T5	–	6200	2248	143
Tritex-Z1-0660	54.5	60	220–240 Vac	T95°C / T5	–	–	8011	2924	147
Tritex-Z1-1230	29	30	110–277 Vac	T60°C / T6	T70°C / T6	T80°C / T6	4112	1451	142
Tritex-Z1-1260	55.7	60	220–240 Vac	T80°C / T6	T90°C / T5	T100°C / T4	8316	2930	149
Tritex-Z1-1290	79.3	90	120–277 Vac	T89°C / T6	T99°C / T4	T109°C / T4	12228	4323	154
Tritex-Z1-12120	102.6	120	220–277 Vac	T91°C / T5	T101°C / T4	–	16029	5662	156
Tritex-Z1-1590	78.6	90	120–277 Vac	T89°C / T5	T99°C / T4	T109°C / T4	11926	4204	152

## NORMAL OPERATION + EMERGENCY

Code	Real Power (W)	Rated Power (W)	Supply Voltage	+40°C Temp Class	+50°C Temp Class	+60°C Temp Class	Lumen (lm)	Discharge Time (min)
Tritex-Z1-0615N	15	15	220–240 Vac	T57°C / T6	T67°C / T6	T77°C / T5	980	90
Tritex-Z1-0630N	26.2	30	220–240 Vac	T80°C / T6	T90°C / T5	T100°C / T4	980	90
Tritex-Z1-1230N	29	30	110–277 Vac	T60°C / T6	T70°C / T5	T80°C / T4	994	180
Tritex-Z1-1260N	55.7	60	220–240 Vac	T80°C / T6	T90°C / T5	T100°C / T4	994	180
Tritex-Z1-1590N	78.6	90	120–277 Vac	T89°C / T5	T99°C / T4	T109°C / T4	932	180

## EMERGENCY OPTION ONLY

Code	Supply Voltage	+40°C Temp Class	+50°C Temp Class	+60°C Temp Class	Lumen (lm)	Discharge Time (min)
Tritex-Z1-0615E	110–277 Vac	T57°C / T6	T67°C / T6	T77°C / T6	1167	90
Tritex-Z1-1230E	110–277 Vac	T60°C / T6	T70°C / T6	T80°C / T6	1151	90

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

### NORMAL OPERATION

Code	Real power (W)	Rated power (W)	Supply voltage (V)	+40°C Temp Class	+50°C Temp Class	+60°C Temp Class	Lumen (lm)	Light intensity (cd)	Efficiency (lm/W)
TRITEX-Z2-0315	13.9	15	220-240 Vac	T57°C/T6	T67°C/T6	T77°C/T6	1865	738	134
TRITEX-Z2-0330	26.6	30	220-240 Vac	T58°C/T6	T68°C/T6	T78°C/T5	3697	1345	140
TRITEX-Z2-0615	15	15	220-240 Vac	T57°C/T6	T67°C/T6	T77°C/T6	2008	777	134
TRITEX-Z2-0630	26.2	30	110-277 Vac	T80°C/T6	T90°C/T5	T100°C/T4	3677	1345	140
TRITEX-Z2-0645	43.5	45	110-277 Vac	T83°C/T5	T93°C/T5	-	6200	2248	143
TRITEX-Z2-0660	54.5	60	110-277 Vac	T95°C/T5	-	-	8011	2924	147
TRITEX-Z2-1230	29	30	110-277 Vac	T60°C/T6	T70°C/T6	T80°C/T6	4112	1451	142
TRITEX-Z2-1260	55.7	60	110-277 Vac	T80°C/T6	T90°C/T5	T100°C/T4	8316	2930	149
TRITEX-Z2-1290	79.3	90	110-277 Vac	T89°C/T5	T99°C/T4	T109°C/T4	12228	4323	154
TRITEX-Z2-12120	102.6	120	220-277 Vac	T91°C/T5	T101°C/T4	T111°C/T4	16029	5662	156
TRITEX-Z2-1590	78.6	90	120-277 Vac	T89°C/T5	T99°C/T4	T109°C/T4	11926	4204	152

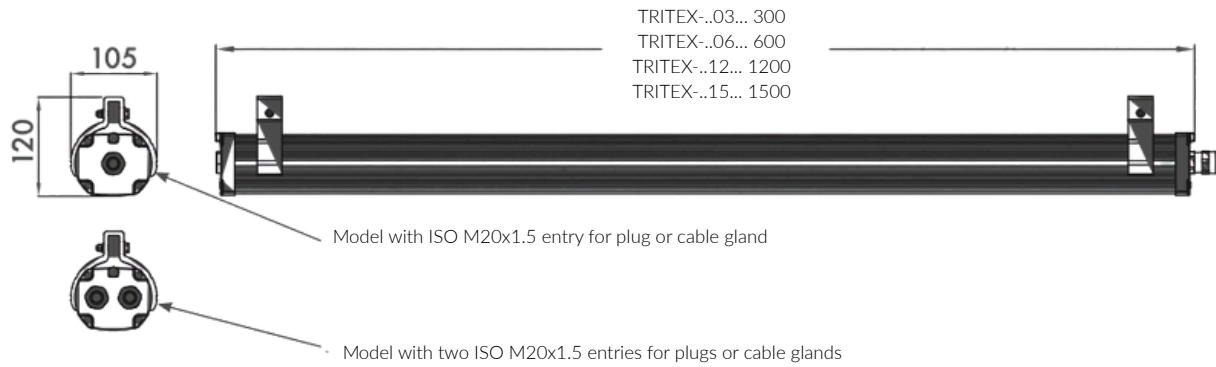
### NORMAL OPERATION + EMERGENCY

Code	Real power (W)	Rated power (W)	Supply voltage (V)	+40°C Temp Class	+50°C Temp Class	+60°C Temp Class	Lumen (lm)	Discharge time (mins)
TRITEX-Z2-0615N	15	15	220-240 Vac	T57°C/T6	T67°C/T6	T77°C/T6	980	90
TRITEX-Z2-0630N	26.2	30	220-240 Vac	T80°C/T6	T90°C/T5	T100°C/T4	980	90
TRITEX-Z2-1230N*	29	30	110-277 Vac	T60°C/T6	T70°C/T6	T80°C/T6	994	180
TRITEX-Z2-1260N*	55.7	60	110-277 Vac	T80°C/T6	T90°C/T5	T100°C/T4	994	180
TRITEX-Z2-1590N*	78.6	90	120-277 Vac	T89°C/T5	T99°C/T4	T109°C/T4	932	180

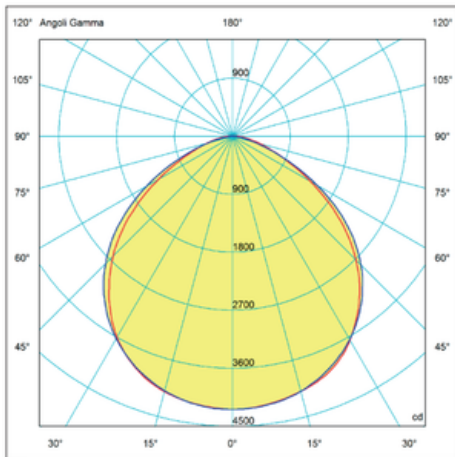
### EMERGENCY OPTION ONLY

Code	Supply Voltage	+40°C Temp Class	+50°C Temp Class	+60°C Temp Class	Lumen (lm)	Discharge Time (min)	Dimensions (mm)
Tritex-Z2-0615E	110-277 Vac	T62°C / T6	T67°C / T6	T77°C / T5	1167	90	840 × 103 × 132
Tritex-Z2-1230E	110-277 Vac	T65°C / T6	T70°C / T6	T80°C / T5	1151	90	1398 × 103 × 132

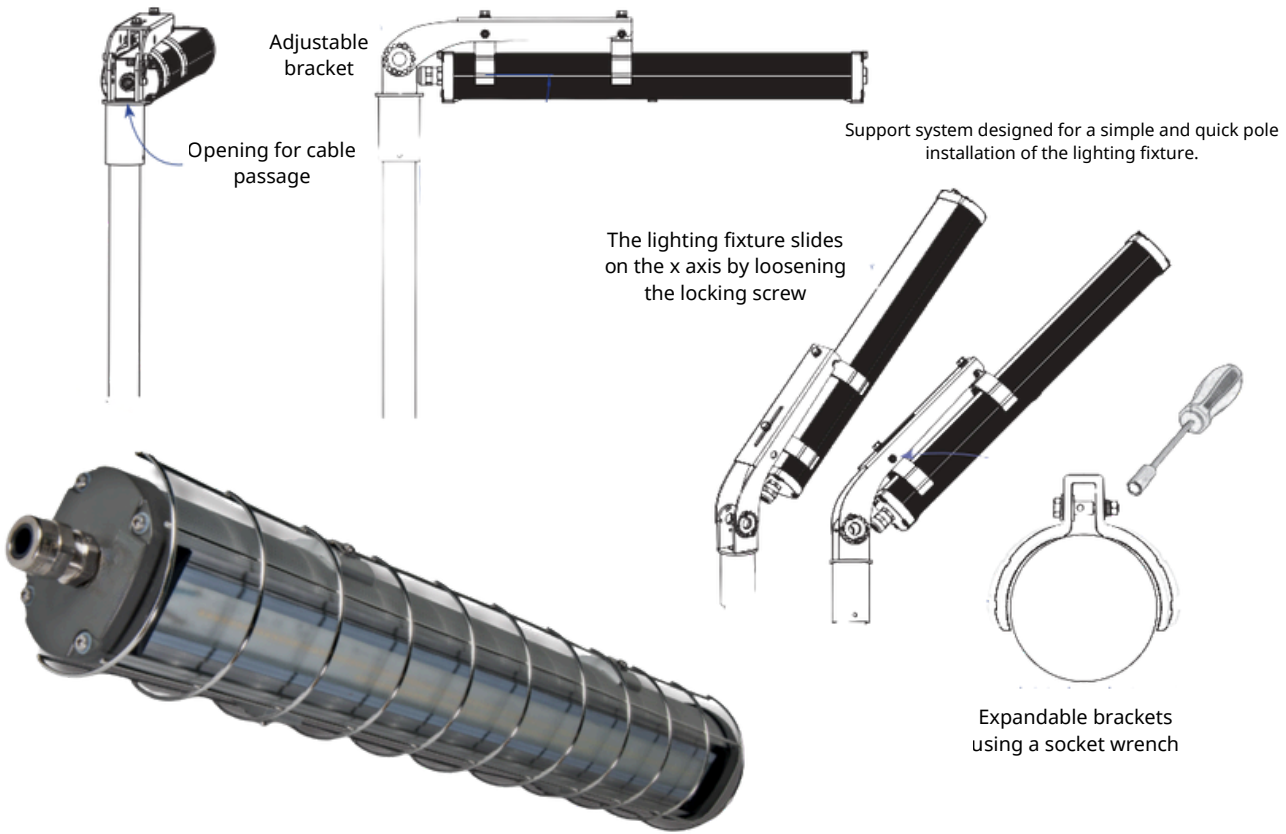
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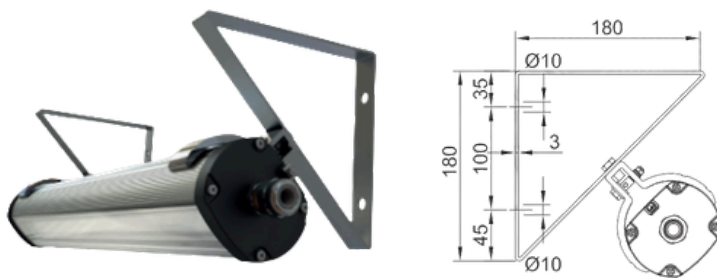
## PHOTOMETRY



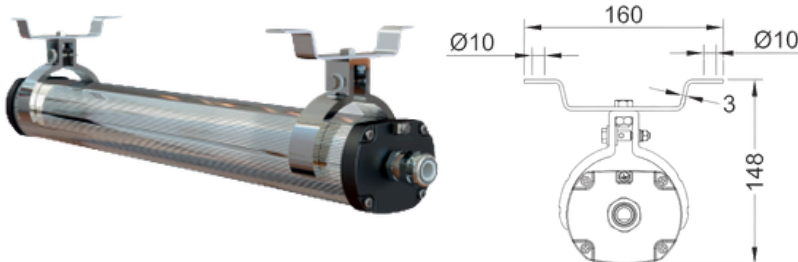
## POLE MOUNT MECHANISM



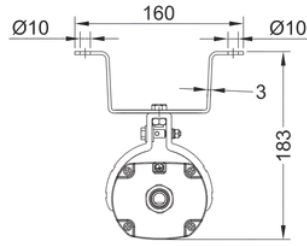
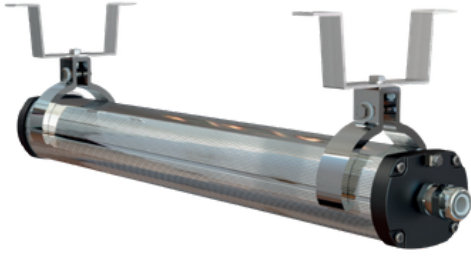
## ASSEMBLIES WITH INSTALLATION ACCESSORIES



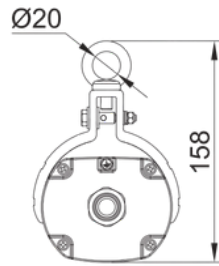
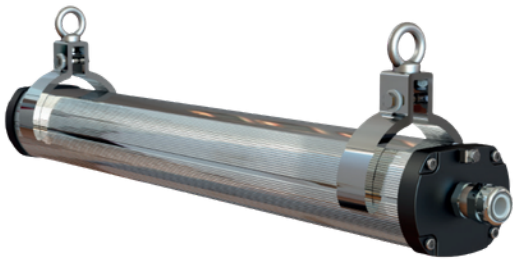
45° corner mount TYPE "D"



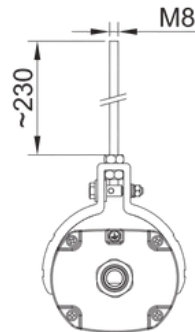
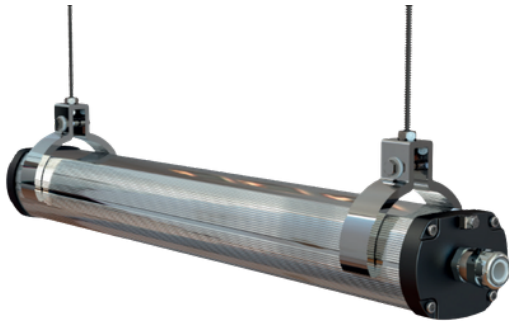
Ceiling mount, tall model TYPE "U"



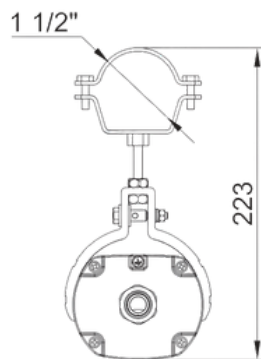
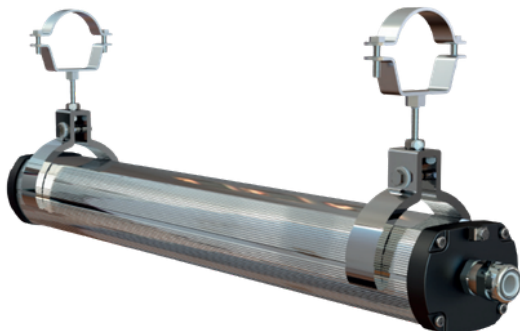
Ceiling mount, tall model TYPE "V"



Suspended mount with eye bolt TYPE "O"



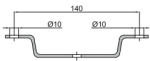




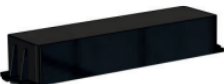
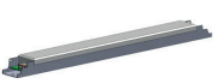





Ceiling mount with 250 mm rod




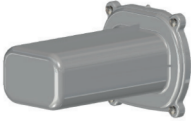





Mount with metal clamps 1 1/2" TYPE "P"

## ACCESSORIES

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	—	
	Resinated electronic power unit	TRITEX-ME-0615 TRITEX-ME-0330 from TRITEX-ME-0630 to TRITEX-ME-1590	—
	Electronic power unit and inverter	TRITEX-MN-0315 TRITEX-MN-0330 TRITEX-0615 from TRITEX-MN-0630 to TRITEX-MN-1590	—
	Electronic power unit and inverter	TRITEX-ME-0615N.. TRITEX-ME-0630N..	—
	Resinated inverter	TRITEX-ME-1230N.. TRITEX-ME-1260N.. TRITEX-ME-1590N.. TRITEX-ME-0615E.. TRITEX-ME-1230E..	—
	Not resinated	TRITEX-MN-0615N.. TRITEX-MN-1630N.. TRITEX-MN-1230N.. TRITEX-MN-1260N.. TRITEX-MN-1590N.. TRITEX-MN-0615E.. TRITEX-MN-1230E..	—

## ACCESSORIES

ILLUSTRATION	DESCRIPTION	MODEL	FEATURES
	Battery for -60°C	Duration 180 minutes	3 Ah
	Battery unit	TRITEX-M...E TRITEX-ME-06-...N	NiMH, 1.8Ah
	Battery unit	TRITEX-MN-06...N TRITEX-M...-12...N TRITEX-M...-15...N	NiMH, 3Ah
	Battery box	Duration 180 minutes	3 Ah
	Battery box	Duration 90 minutes	1.8 Ah
	Pole bracket Ø1 1/2"	TRITEX-M...	Material: galvanized steel
	Protective cage kit	TRITEX-M...-03... TRITEX-M...-06... TRITEX-M...-12... TRITEX-M...-15...	Material: Stainless steel AISI 316L with electropolishing treatment
	Electrical connectors	TRITEX-M...	