



10017E00

## Tubular Light Fittings for Fluorescent Lamps Series T-LUX 6030 Zone 1 and Series T-LUX 6430 Zone 2

- Wide beam
- Pendant, wall mounting or bulkhead fitting options
- With electronic ballast
- For two-pin fluorescent lamps
- 1- or 2-lamp version
  - 18 W / 20 W
  - 36 W / 40 W
- Central lock
- Positive opening contact ensure all poles are disconnected when light fitting is opened (Only Zone 1-version)
- Polyester resin housing, polycarbonate tube
- Degree of protection IP 68
- End of Life switching-off 1 and 2 (only 6030)

The light series T-LUX 6030 and T-LUX 6430 fittings are ideal for use on ships, in sewage and treatment plants, pumping stations water collecting tanks and inspection pits. They can be used for normal lighting as well as for group or centrally supplied emergency lights.

# Zone 1 and Zone 2

## Tubular Light Fittings for Fluorescent Lamps Series T-LUX 6030 Zone 1 and Series T-LUX 6430 Zone 2

Selection table					
Version	Lamps	Connection	Rated voltage	Ordering code	Weight kg
6030 Tubular Light Fittings for use in Zone 1 and Zone 2	1 x 18 W / 20 W	1-channel-electronic ballast	220 V ...240 V 50 / 60 Hz	6030/521-80.1-62..	4,9
	2 x 18 W / 20 W	2-channel-electronic ballast		6030/522-90.1-62..	5,4
	1 x 36 W / 40 W	1-channel-electronic ballast		6030/541-80.1-62..	6,6
	2 x 36 W / 40 W	2-channel-electronic ballast		6030/542-90.1-62..	7,3
6430 Tubular Light Fittings for use in Zone 2	1 x 18 W / 20 W	1-channel-electronic ballast	220 V ...240 V 50 / 60 Hz	6430/521-80.0-62..	3,9
	2 x 18 W / 20 W	2-channel-electronic ballast		6430/522-90.0-62..	4,4
	1 x 36 W / 40 W	1-channel-electronic ballast		6430/541-80.0-62..	5,6
	2 x 36 W / 40 W	2-channel-electronic ballast		6430/542-90.0-62..	6,3
Add. to ordering code					
Cable entries	Standard: 1 x M 25 x 1.5			6.30/...-...1.-....	
	Special: specify on order			6.30/...-...9.-....	
Number of terminals	with 3 terminals			6.30/...-...-...3.	
	with 5 terminals			6.30/...-...-...5.	
Monitoring module	without			6.30/...-...-...0	
	with			6.30/...-...-...1	
Note	The light fittings are supplied without lamps and mounting accessories. These parts must be ordered separately				

Technical Data				
Version	6030 for Zone 1		6430 for Zones 2 and 22	
Explosion protection				
Gas explosion protection	Ⓔ II 2 G / EEx ed IIC T4 (Option: T6 for 18 W ø 38 version)		Ⓔ II 3 G / EEx nA T4 (Option: T6 for 18 W ø 38 version)	
Dust explosion protection	--		Ⓔ II 3 D IP68 T135 °C	
Certificates	PTB 00 ATEX 2072			
Marking	CE 0102			
Lamps	1 x 18 W ; 2 x 18 W; 1 x 36 W; 2 x 36 W Two-pin fluorescent lamps ø 38 mm or ø 26 mm, socket G13			
End of Life switching-off	The ballast may also be manufactured with a modified electronic circuitry. The electronic ballast, type 6042/9..- meets the requirements according to IEC 61347-2-3 (simulation of the „end-of-life-effect“ or fluorescent lamps, test 1: „asymmetrical-pulse-test“ and test 2: „asymmetrical-power-test“ corresponding to the test conditions stated in the draft of IEC 60079-7 ed.4, annex H).		--	
Rated Voltage	AC: 220 V - 10 % ... 240 V + 10 % 50 Hz / 60 Hz DC: 198 V ... 254 V			
Rated current	at 230 V / 50 Hz			
	1 x 18 W / 20 W	2 x 18 W / 20 W	1 x 36 W / 40 W	2 x 36 W / 40 W
	0.1 A	0.17 A	0.17 A	0.32 A
Power factor cos φ	cos φ = 0.96 capacitive, no additional compensation required			
Ambient temperature	- 20 °C ... + 55 °C (+ 40 °C: 18 W → T6)			
Material				
Housing	Polyester resin, glass fibre reinforced, colour white, similar RAL 9010			
Tube	Polycarbonate; protective paint optional			
Gaskets	Polyurethane-gasket foamed into lid Neoprene-Gaskets in the end caps			



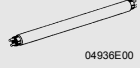
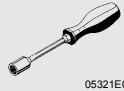
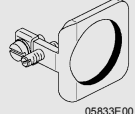

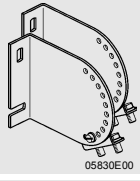
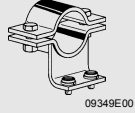
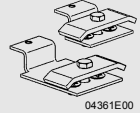
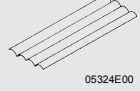

## Tubular Light Fittings for Fluorescent Lamps

### Series T-LUX 6030 Zone 1 and Series T-LUX 6430 Zone 2

Technical Data		
Version	6030 for Zone 1	6430 for Zones 2 and 22
Protection class	I (with internal PE connection terminal)	
Degree of protection	IP 68 (2 m, 30 min)	
Cover fixing	central locking by socket spanner M 8 / SW 13; end cap hinged for opening	
Disconnection		
When light fitting opened	Switch has safety interlock; when central lock is opened, voltage to ballast is disconnected on both poles; switching element contacts are positively opened	no switch-off
Faulty lamp	If lamp is faulty the electronic ballast automatically disconnects its power supply	
Light guides	Standard: wide beam, tube sides anti-glare	
Flexible lead	Terminal block with spring contacts; with through-wiring option Marking L1 + N + PE; cable cross-section max. 2 x 2,5 mm <sup>2</sup> , solid / flexible	
Cable entry		
Standard	1 metal cable gland M 25 x 1.5 + 1 metal stopping plug M 25 x 1.5	1 metal cable gland M 25 x 1.5
Special	up to 5 metal gland M 25 x 1.5 metal cable gland earthing via metal adapter plates	1 metal stopping plug M 25 x 1.5 1 metal gland M 25 x 1.5 metal cable gland earthing via metal adapter plates
Monitoring module		
Function	<p>Monitoring and switch module for central battery systems in accordance to VDE 0108: The module is capable of performing the single monitoring of light fitting and the combined circuit of normal and emergency light fittings. The module offers the following functionality:</p> <ul style="list-style-type: none"> <li>• Control of the light fitting (ON / OFF) and function testing</li> <li>• Within one circuit it is possible to operate up to 20 modules via a coding switch</li> <li>• Each single device within a circuit can be programmed as: permanent light, stand-by light and switched light</li> <li>• Mixed operation of modules in one circuit possible</li> </ul>	
Input voltage	(Input between L+ and N-)	
	U <sub>N</sub> 230 VAC (+10%/-15%); 50 Hz	
	U <sub>DC</sub> 175 V ... 275 VDC	
Control input	(between L and N)	
	U <sub>N</sub> 230 VAC (+10%/-15%); 50 Hz	
Connection power (Output)	P 4 W ... 100 W	
Ambient temperature limit	t <sub>a (Modul)</sub> - 10 °C ... + 50 °C	
Dimensions	L x B x H = 95 mm x 40 mm x 32 mm	
Installation notes		
Looping through of cables	Two M 25 x 1.5 compression gland can be supplied on the connection side, for cable through-looping	
Mounting		
Standard	3 x M 8 inserts in the end caps	
Special	Options are: wall mounting bracket, pipe clamps or ring bolts.	
	<p><b>Note on Mounting</b> When installing the light fittings care must be taken to ensure that the distance between the opening side of the fitting and the wall, the next light fitting or other obstacles is at least one fitting length. This is because the reflector plate must be pulled right out of the fitting when lamps are changed.</p>	

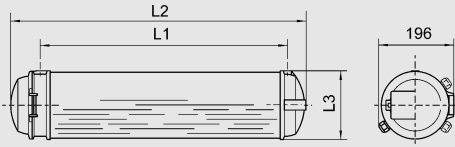
## Tubular Light Fittings for Fluorescent Lamps Series T-LUX 6030 Zone 1 and Series T-LUX 6430 Zone 2



Accessories and spare parts				
Designation	Illustration	Description	Ordering code	Weight kg
Fluorescent lamps		two pin $\varnothing$ 26 mm, light colour: Universal-white		
		18 W    1100 lm	<b>4617220</b>	0,100
		36 W    2600 lm	<b>4617210</b>	0,200
Socket spanner		M 8 / SW 13; to operate central locking	<b>8198005400</b>	0,126
Adapter plate		for use when incorporating glands into earthing system		
		1 x M 20 x 1.5	<b>6030801550</b>	0,018
		1 x M 25 x 1.5	<b>6030802550</b>	0,018
		1 x NPT 1/2"	<b>6030803550</b>	0,018
		1 x NPT 3/4"	<b>6030804550</b>	0,018
Ring bolts		M 8, to mount directly into inserts, 1 pair	<b>6000803900</b>	0,100
Mounting bracket		to wall or ceiling mount light fitting; Material: stainless steel		
		1 pair	<b>6030801260</b>	0,900
Pipe clamp		screw into inserts Material: stainless steel		
		R 1 1/4" 1 pair	<b>6030805260</b>	1,100
		R 1 1/2" 1 pair	<b>6030802260</b>	1,100
		R 2" 1 pair	<b>6030803260</b>	1,100
Mounting set "Grid cable rack"		for grid routes wire diameter 6 mm Material: stainless steel		
		1 pair	<b>6030804260</b>	0,500
Reflectors		For later installation, broad deep-beam		
		For 1-lamp light fittings 18 W / 20 W	<b>6030903580</b>	0,082
		For 1-lamp light fittings 36 W / 40 W	<b>6030904580</b>	0,172
		For 1-lamp light fittings 58 W / 65 W	<b>6030906580</b>	0,218
		For 2-lamp light fittings 18 W / 20 W	<b>6030901580</b>	0,110
		For 2-lamp light fittings 36 W / 40 W	<b>6030902580</b>	0,234
		For 2-lamp light fittings 58 W / 65 W	<b>6030905580</b>	0,290
Breathing gland		for ventilating and draining M 25 x 1.5	<b>6000803960</b>	0,010

## Tubular Light Fittings for Fluorescent Lamps Series T-LUX 6030 Zone 1 and Series T-LUX 6430 Zone 2

Dimension drawings (all dimensions in mm) - subject to alterations

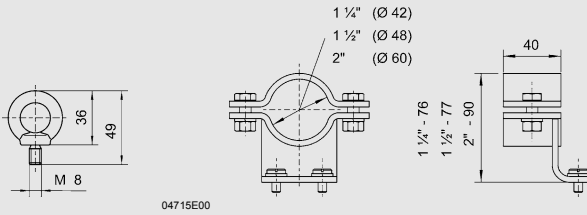


Light fitting	L1	L2	L3
18 W	650	790	184
36 W	1260	1400	184

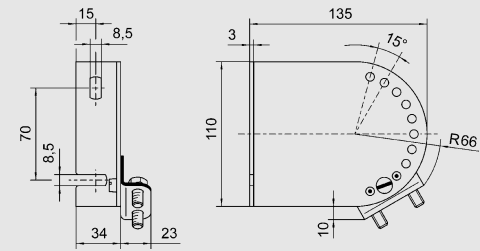
04714E00

### T-LUX 6030 / T-LUX 6430 Standard light fitting

#### Mounting accessories



04715E00



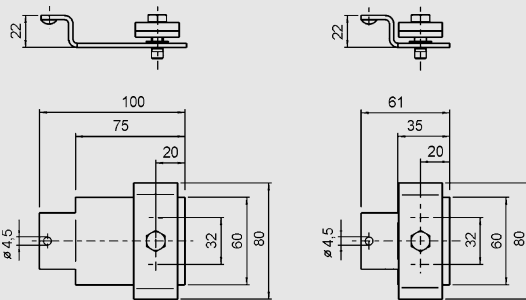
09346E00

04716E00

#### Ring bolt

#### Pipe clamps

#### Wall mounting bracket



04822E00

#### Mounting set „Grid cable rack“

We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.