

EXPLO Components



EXPLOSION PROOF SERIES



PRODUCT OVERVIEW



A versatile series of LED Tubes with a broad efficiency spectrum, including different beam angles and a range of formats (T8 and T5), for areas with Hazardous Classification.

Tubes and power supplies can be used for Zone 1 or Zone 2 applications.

Quality comes standard...



Hours
LIFESPAN



IP66
Outdoor



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

FEATURES

High Reliability LED Chipsets	Saves up to 80% Energy
High Reliability Power Supplies	Contains No Mercury
100, 000hrs	Flicker Free
5 Year Warranty	Small waste of natural resources
Low glare design	Low losses due to integral reflector
Colour rendering index > 80	Easy installation
Certified	-40°C ~ +50°C indoors and outdoors
Available in IP33 or IP65	Emits no EMF of UV
LED Tubes can be replaced easily	Low maintenance costs, long drain levels
Construction designs with optional materials:	Aluminium, polycarbonate

Explosion Components

TECHNICAL DATA - Zone 2 Tubes

MODEL No.:	SIZE	POWER (W)	LUMEN (lm/W)	BEAM ANGLE	CRI	CCT (K)
TEXn02/07/*/**/***	2ft	7	130/160	60°, 120°	80	3000,4000,6000
TEXn02/10/*/**/***	2ft	10	130/160	60°, 120°	80	3000,4000,6000
TEXn04/09/*/**/***	4ft	9	130/160	60°, 120°	80	3000,4000,6000
TEXn04/14/*/**/***	4ft	14	130/160	60°, 120°	80	3000,4000,6000
TEXn04/18/*/**/***	4ft	18	130/160	60°, 120°	80	3000,4000,6000
TEXn04/20/*/**/***	4ft	20	130/160	60°, 120°	80	3000,4000,6000
TEXn04/22/*/**/***	4ft	22	130/160	60°, 120°	80	3000,4000,6000
TEXn04/25/*/**/***	4ft	25	130/160	60°, 120°	80	3000,4000,6000
TEXn05/09/*/**/***	5ft	9	130/160	60°, 120°	80	3000,4000,6000
TEXn05/14/*/**/***	5ft	14	130/160	60°, 120°	80	3000,4000,6000
TEXn05/18/*/**/***	5ft	18	130/160	60°, 120°	80	3000,4000,6000
TEXn05/20/*/**/***	5ft	20	130/160	60°, 120°	80	3000,4000,6000
TEXn05/22/*/**/***	5ft	22	130/160	60°, 120°	80	3000,4000,6000
TEXn05/25/*/**/***	5ft	25	130/160	60°, 120°	80	3000,4000,6000

* **Beam Angle:** 60° (060) / 120° (120)

** **Colour Temperature:** 2000-3000K (02) / 4000K (04) / 6000K (06)

*** **Lumen:** 130lm/W (13) / 160lm/W (16)

Ex Rating: Ex nAc IIC T6 Gc

IA Number: MASC S/18-2218U

Complies to SANS 60079-0:2012, SANS 60079-15:2010

PHYSICAL CHARACTERISTICS

LED Type	SMD5630
Socket Type	G13
Lampshade	Polycarbonate, Clear or Frosted
Input Voltage	100-277VAC
Power Factor	>0.96
Power Input	Single ended

**These products must be installed in an approved Ex e enclosure.
The Ex e enclosure must be re-evaluated with the tubes installed.**

Explosion Components

TECHNICAL DATA - Zone 1 Tubes

MODEL No.:	SIZE	POWER (W)	LUMEN (lm/W)	BEAM ANGLE	CRI	CCT (K)
TEXm02/07/*/**/***	2ft	7	130/160	60°, 120°	80	3000,4000,6000
TEXm02/10/*/**/***	2ft	10	130/160	60°, 120°	80	3000,4000,6000
TEXm04/09/*/**/***	4ft	9	130/160	60°, 120°	80	3000,4000,6000
TEXm04/14/*/**/***	4ft	14	130/160	60°, 120°	80	3000,4000,6000
TEXm04/18/*/**/***	4ft	18	130/160	60°, 120°	80	3000,4000,6000
TEXm04/20/*/**/***	4ft	20	130/160	60°, 120°	80	3000,4000,6000
TEXm04/22/*/**/***	4ft	22	130/160	60°, 120°	80	3000,4000,6000
TEXm04/25/*/**/***	4ft	25	130/160	60°, 120°	80	3000,4000,6000
TEXm05/09/*/**/***	5ft	9	130/160	60°, 120°	80	3000,4000,6000
TEXm05/14/*/**/***	5ft	14	130/160	60°, 120°	80	3000,4000,6000
TEXm05/18/*/**/***	5ft	18	130/160	60°, 120°	80	3000,4000,6000
TEXm05/20/*/**/***	5ft	20	130/160	60°, 120°	80	3000,4000,6000
TEXm05/22/*/**/***	5ft	22	130/160	60°, 120°	80	3000,4000,6000
TEXm05/25/*/**/***	5ft	25	130/160	60°, 120°	80	3000,4000,6000

* **Beam Angle:** 60° (060) / 120° (120)

** **Colour Temperature:** 2000-3000K (02) / 4000K (04) / 6000K (06)

*** **Lumen:** 130lm/W (13) / 160lm/W (16)

Ex Rating: Ex m IIC T6 Gb

IA Number: MASC S/19-0243X

Complies to SSANS 60079-0:2012, SANS 60079-18:2010

PHYSICAL CHARACTERISTICS

LED Type	SMD5630
Socket Type	G13
Lampshade	Polycarbonate, Clear or Frosted
Input Voltage	100-277VAC
Power Factor	>0.96
Power Input	Single ended

**These products must be installed in an approved Ex e enclosure.
The Ex e enclosure must be re-evaluated with the tubes installed.**

Explosion Components

TECHNICAL DATA - Power Supplies

MODEL No.:	VOLTAGE (V)	POWER (W)	OUTPUT CURRENT	POWER FACTOR	THD	INPUT FREQUENCY
ExPSU07	90-265VAC	7	120-300mA	0.945	8%	47-63Hz
ExPSU09	90-265VAC	9	120-300mA	0.945	8%	47-63Hz
ExPSU10	90-265VAC	10	120-300mA	0.945	8%	47-63Hz
ExPSU14	90-265VAC	14	120-300mA	0.945	8%	47-63Hz
ExPSU18	90-265VAC	18	120-300mA	0.945	8%	47-63Hz
ExPSU20	90-265VAC	20	120-300mA	0.945	8%	47-63Hz
ExPSU22	90-265VAC	22	120-300mA	0.945	8%	47-63Hz
ExPSU25	90-265VAC	25	120-300mA	0.945	8%	47-63Hz

Ex Rating: Ex m IIC T6 Gb

IA Number: MASC S/19-0243X

Complies to SANS 60079-0:2012, SANS 60079-18:2010

FEATURES

Quick Start	High Efficiency
Low Harmonic	Open Circuit Protection
Short Circuit Protection	Over Temperature Protection
Constant Current	2.5kV Surge Protection

**These products must be installed in an approved Ex e enclosure.
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Image for illustration purpose only.
Dimensions and colour might differ