

PRODUCT TECHNICAL DATA – ZONE 2

LINEAR LED LUMINAIRES, STANDARD AND EMERGENCY, ZONE 2



FEATURES

- High efficacy up to 139 lm/W.
- Long life-time >100,000 hrs @60°C.
- Easy install through push-fit terminals.
- Self-test battery on emergency version.
- Labyrinth seal securing high IP66/67.
- Emergency remotely enabled.
- Low glare.
- Adjustable fixing points.

Technical Data		Entries	4x M20 (3 plugged)
Zone	2, 21 and 22	Surge Protection	L-L 1kV L-N 2kV
Type of Protection	II 2 G Ex db eb ib op is IIC T4 Gb II 2 D Ex tb op is IIC T100 °C Db	THD	Std 2ft <15% Std 4ft <7% Std 5ft <7% EM 2ft <15% EM 4ft <8%
Certificates	ATEX, IECEx, INMETRO and DNV GL	Cable Connection	Push-fit terminals (Std 5, EM 8) Max 16A Solid cable 6mm² Stranded cable 4mm²
IP rating	IP66/67	Wiring	Through wiring, connection on both ends
IK rating	IK10	Body	Glass-mat reinforced polyester (GRP)
Ambient Temperature Range	Std: -40 °C to 60 °C EM: -20 °C to 60 °C	Diffuser	PC Clear, Option: frosted.
LED lifetime	100,000 @ 60°C L90B50	Seal	Silicone, dispensed
Driver lifetime	C10 > 100,000 h, Ta ≤ 50 °C C10 > 50,000 h, Ta ≤ 60 °C	Internal Safety Switch	Not Supplied, On Request.
CRI	80	Emergency Module	Self Test
SDCM	5	Battery Autonomy and Lumens levels on 3h	1,5 hours, 2ft: 30% of nominal lumens level 4ft: 20% of nominal lumens level
Photobiological Risk Group	RG1		
Voltage	100-240Vac 50-60Hz 110-230Vdc		
Inrush Current	Std 54A @ 125µs EM 62A @ 122µs		
Flickering	<10%		
CCT	5000K On request: 3000K, 4000K, 6500K, Green, Orange, Red		

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

Stahl SAP Code	Model	Length (ft)	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	CCT (K)	Type Number	Weight (Kg)
222273	Standard	2	22	2910	132	5000	6402/4128-6100-152-LLL2-22-8500	3,30
222274	Standard	4	42	5810	138	5000	6402/4148-6100-152-LLL2-22-8500	5,70
316815	Standard	5	50	6960	139	5000	6402/6148-6100-152-LLL2-22-8500	7,00
222239	Emergency	2	25	2910	116	5000	6409/4128-5103-162-LLL2-22-850011	5,40
222240	Emergency	4	45	5810	129	5000	6409/4148-5103-162-LLL2-22-850011	8,10

* For different CCTs, please, contact R STAHL.

** Frosted PC diffuser available, please, contact R STAHL.

ACCESSORIES

Stahl SAP Code	Part number / Description	Basic Description
227512	Mounting Sleeve for size 2 and size 4 fittings, complete with assembly parts (for pipe diameter 42mm)	Pole mounting sleeve
222459	R 1 1/2", with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	Pipe clamp
222458	R 1 1/4", with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	Pipe clamp
222460	R 2", with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	Pipe clamp
222826	Ceiling mounting bracket, adjustable	

Linear LED, Standard, Zone 2 & Industrial

SAP Code 6402 & L402

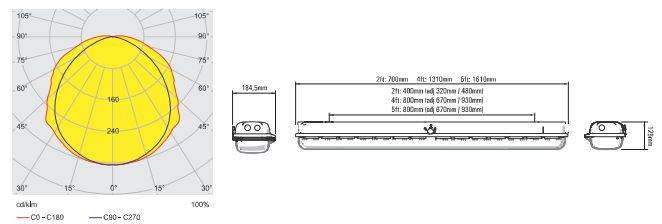
Inrush current	I _{peak} =54 A; ▲ t=124,3µs	Maximum number of luminaires per miniature circuit breaker			
Type	10 A	16 A	20 A	25 A	
B	12	19	24	30	
C	20	32	40	50	
K	40	64	80	100	

Linear LED, Emergency, Zone 1

SAP Code 6409 & L409

Inrush current	I _{peak} =62 A; ▲ t=122µs	Maximum number of luminaires per miniature circuit breaker at 230V			
Type	10 A	16 A	20 A	25 A	
B	10	17	21	27	
C	18	28	36	45	
K	36	57	72	90	

Beam angle: 120°



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