

2.13

Ex-Linear emergency light fittings for fluorescent lamps

nLLK 08018/18 N / nLLK 08036/36 N
(Zone 2, 21, 22)

The lighting solution for hazardous areas in Zones 2, 21 and 22

The linear emergency luminaires series nLLK 08 ... N for fluorescent lamps combines the latest lighting technology with the requirements of a harsh and hazardous environment.

If you need a reliable and decentralized emergency lighting

The emergency luminaires with a self-contained battery system provide a decentralise solution for the mandatory emergency lighting, independent of central

systems. In large plants, in particular, these luminaires offer significant cost benefits.

The luminaire nLLK08 ... N with a NC self-contained battery and maintained and non-maintained mode emergency lights provide a reliable safety and reduced maintenance costs. The careful charging optimizes battery lifespan. The variants 1/6 the battery is easy to maintain below the reflector flap. With the variants 2/6 a separate battery enclosure is used and the battery can easily be replaced with a plug in the hazardous area. The emergency lighting duration is 1.5 or 3 h.

Long-term safety

The luminaires of this robust lighting series with plastic housings are equipped with a highly-efficient electronic ballast, which has a reliable EOL circuit. Thus, the lamps are checked for proper operation and shut down safely in the event of a malfunction at the end of the service life. With these luminaires, you are always on the safe side.

Simple and cost-effective installation

In conjunction with the generously dimensioned terminal compartment, the standard single-ended through-wiring allows a cost-effective installation. The double-sided locking facility with 10 or 20 latch points allows the protective bowl to be hinged on both sides, meaning that the fitting can be mounted on either side.

Easy-to-maintain design





The nLLK08 ... N luminaires provide a reliable safety and reduced maintenance costs. The careful charging optimizes battery lifespan. The plug-in connector allows easy disconnection of the battery, which can then be replaced whenever necessary.



Features

- Cost-effective installation due to single-ended through-wiring
- EVG with EOL monitoring
- Double-sided safety lock
- With self-contained NC battery for 1.5 h or 3 h emergency lighting operation
- Battery can be replaced in the hazardous area
- High degree of protection IP66

Ordering details

Type	Content	Rated emergency lighting duration	Terminals	Through-wiring single-ended	Through-wiring twin-ended	Cable gland/thread	Threaded plug	Blanking plug	Order No.
nLLK 08018/18 N									
	nLLK 08018/18 N (2 x 18 W)	1/6-1K	3	1 x 6	x	–	2 x M25, plastic	1	1 3469 218 001
	nLLK 08018/18 N (2 x 18 W)	1/6-1M ¹⁾	3	1 x 6	x	–	2 x M20, metal thread	1 X M20	1 3469 218 031
	nLLK 08018/18 N (2 x 18 W)	1/6-1K	1.5	1 x 6	x	–	2 x M25, plastic	1	1 3470 218 001
	nLLK 08018/18 N (2 x 18 W)	1/6-1M ¹⁾	1.5	1 x 6	x	–	2 x M20, metal thread	1 x M20	1 3470 218 031
	nLLK 08018/18 N (2 x 18 W)	2/6-2K	3	2 x 6	–	x	2 x M25, plastic	2 x M25	1 3469 218 011
	nLLK 08018/18 N (2 x 18 W)	2/6-2M ¹⁾	3	2 x 6	–	x	4 x M20, metal thread	2 x M20	1 3469 218 131
	nLLK 08018/18 N (2 x 18 W)	2/6-2K	1.5	2 x 6	–	x	2 x M25, plastic	2 x M25	1 3470 218 011
	nLLK 08018/18 N (2 x 18 W)	2/6-2M ¹⁾	1.5	2 x 6	–	x	4 x M20, metal thread	2 x M20	1 3470 218 131
nLLK 08036/36 N									
	nLLK 08036/36 N (2 x 36 W)	1/6-1K	1.5	1 x 6	x	–	2 x M25, plastic	1	1 3470 236 001
	nLLK 08036/36 N (2 x 36 W)	1/6-1M ¹⁾	1.5	1 x 6	x	–	2 x M20, metal thread	1 X M20	1 3470 236 031
	nLLK 08036/36 N (2 x 36 W)	1/6-1K	3	1 x 6	x	–	2 x M25, plastic	1	1 3469 236 001
	nLLK 08036/36 N (2 x 36 W)	1/6-1M ¹⁾	3	1 x 6	x	–	2 x M20, metal thread	1 X M20	1 3469 236 031
	nLLK 08036/36 N (2 x 36 W)	2/6-2K	3	2 x 6	–	x	2 x M25, plastic	2 x M25	1 3469 236 011
	nLLK 08036/36 N (2 x 36 W)	2/6-2M ¹⁾	3	2 x 6	–	x	4 x M20, metal thread	2 x M20	1 3469 236 131
	nLLK 08036/36 N (2 x 36 W)	2/6-2K	1.5	2 x 6	–	x	2 x M25, plastic	2 x M25	1 3470 236 011
	nLLK 08036/36 N (2 x 36 W)	2/6-2M ¹⁾	1.5	2 x 6	–	x	4 x M20, metal thread	2 x M20	1 3470 236 131

¹⁾ with metal thread, without cable gland

Scope of delivery without lamp and fixing accessories

Metal cable glands see catalogue part 2: 2.3.12 ff

Accessories

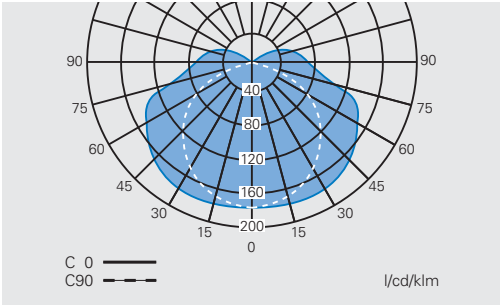
Type	Application	Order No.
Battery block 6 V, 4 Ah (internal)	for nLLK 08 N 1/6 (2 x 18 W, 1.5 h and 3 h; 2 x 36 W, 1.5 h)	2 3468 236 902
Battery block 6 V, 4 Ah (external)	for nLLK 08 N 2/6 (2 x 18 W, 1.5 h and 3 h; 2 x 36 W, 1.5 h)	2 3468 236 903
Battery block 6 V, 7 Ah (external)	for nLLK 08 N 2/6 (2 x 36 W, 3 h)	2 3468 236 904

2.13

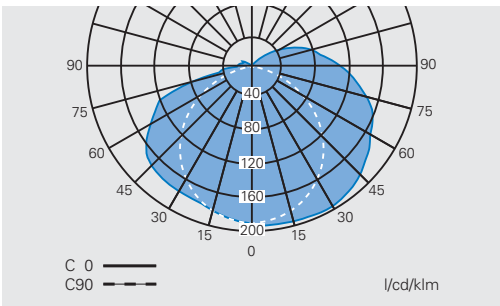
Dimension drawing / Polar curve

nLLK 08 18/18 N / nLLK 0836/36 N

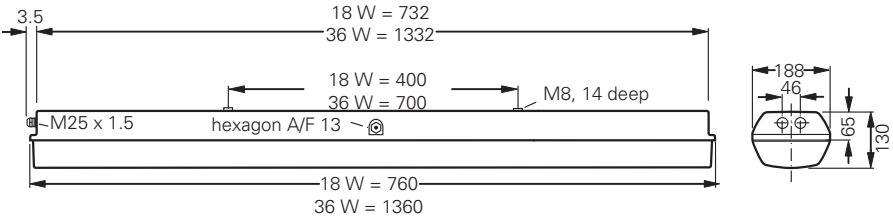
Polar curve nLLK 08018/18 N / nLLK 08036/36 N



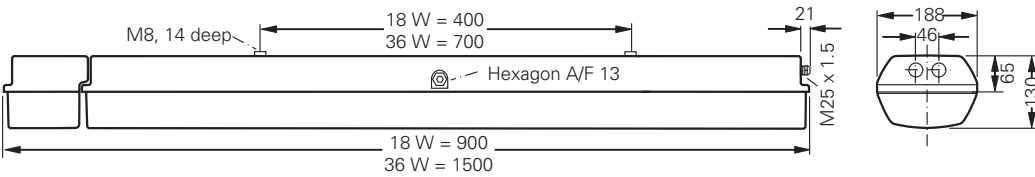
Polar curve nLLK 08018/18 N / nLLK 08036/36 N in emergency operation



nLLK 08018/18 N / nLLK 08036/36 N - 1/6



nLLK 08036/36 N 2/6 + nLLK 08018/18 N 2/6



Dimensions in mm



Technical data

	nLLK 0818/18 N	nLLK 0836/36 N
Type Examination Certificate	BVS 09 ATEX E 147	BVS 09 ATEX E 147
EC-Type Examination Certificate	BVS 09 ATEX E 162	BVS 09 ATEX E 162
Marking accd. to 94/9/EC	Ⓜ II 3 G Ex nA de IIC T4 Gc Ⓜ II 2 D Ex tb IIIC T80 °C Db	Ⓜ II 3 G Ex nA de IIC T4 Gc Ⓜ II 2 D Ex tb IIIC T80 °C Db
Marking accd. to IECEx	Ex nA de IIC T4 Gc Ex tb IIIC T80°C Db	Ex nA de IIC T4 Gc Ex tb IIIC T80°C Db
Permissible ambient temperature	-25 °C up to +45 °C (specified data: -5 °C up to +35 °C)	-25 °C up to +45 °C -25 °C up to +40 °C (2 x 36 W with through-wiring) (specified data -5 °C up to 35 °C)
IK-class according to EN 50102	IK 10 Δ 20 J	IK 10 Δ 20 J
Battery	6 V/4 Ah NC-accumulator	6 V/4 Ah or 6 V/7 Ah NC-accumulator
Rated voltage	220 V - 240 V AC	220 V - 240 V AC
Rated current	0.18 A	0.36 A
Frequency	50 - 60 Hz	50 - 60 Hz
Charging duration	\geq 24 h	\geq 24 h
Power factor cos φ	\geq 0.95	\geq 0.95
Circuit	EVG with emergency lighting supply	EVG with emergency lighting supply
Protection class	I	I
Lamp / Illuminant	2 x T26 / 18 W (T8)	2 x T26/ 36 W (T8)
Rated luminous flux	2700 lm ¹⁾	6700 lm ¹⁾
Lamp cap	G13 accd. to IEC 60061-1	G13 accd. to IEC 60061-1
Light output ratio	78%	78%
Luminous flux in emergency operation (1.5 h, one lamp)	880 lm ¹⁾ (65 %)	1200 lm ¹⁾ (36 %)
Luminous flux in emergency operation (3 h, one lamp)	415 lm ¹⁾ (30 %)	1040 lm ¹⁾ (31 %)
Rated emergency lighting duration	1.5 h / 3 h	1.5 h / 3 h
Dimensions (L x W x H)	900 x 188 x 130 mm	1500 x 188 x 130 mm
Connecting terminals	L, L1, L2, L3, N, PE screw-type terminals max 6 mm ² single wire	L, L1, L2, L3, N, PE screw-type terminals max 6 mm ² single wire
Enclosure colour	RAL 7035 light grey	RAL 7035 light grey
Enclosure material	glass-fibre reinforced polyester	glass-fibre reinforced polyester
Weight	5.4 kg	9.3 kg
Cable glands / gland plates / enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread ²⁾
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate

¹⁾ depends on used lamps²⁾ with dustcover if entry/thread is not closed



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk