

# 2.12

## Ex-Linear light fittings for fluorescent lamps

nLLK 08 18 W - 58 W  
(Zone 2, 21, 22)

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

The linear luminaires series nLLK 08 for fluorescent lamps combines the latest lighting technology with the requirements of a harsh and hazardous environment. This luminaire is available both as a ceiling mounted luminaire (nLLK), as well as a pole mounted light fitting (nLLM) in 3 sizes (18, 36 or 58 W).

### Long-term safety

The luminaires of this robust lighting series with plastic enclosure 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 their 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.

### Just in case: The emergency lighting version

Safety is always our top priority. That is why we offer the nLLK 08 light fitting series with a built-in V-CG-S module. These luminaires can be connected to a CEAG emergency supply system with individual function monitoring. In the event of an emergency, they provide a reliable illumination of your safety and escape routes. The N variants (Section 1.2.92) are available as emergency light fittings with a self-contained battery unit.

### NEC Standards

The tried and tested luminaires of the types nLLK 982217 (2 x 17 W) and nLLK 924232 (2 x 32 W) are available for use according to NEC-standards.



### Features

- Cost-effective installation due to single-ended through-wiring
- EVG with EOL monitoring
- Double-sided safety lock
- Safety interlocking system due to an integrated forced isolating switch
- High degree of protection IP66
- Connection to CEAG emergency light monitoring systems possible (CG-S)

## Ordering details











Type	Content	Terminals	Through-wiring single-ended	Through-wiring twin-ended	Cable gland/ thread	Threaded plug	Blanking plug	Order No.
<b>nLLK 08018/18</b>								
nLLK 08018/18 (2 x 18 W)	1/3-1K	1 x 3	x	–	1 x M25, plastic	1 x M25		<b>1 3465 218 001</b>
nLLK 08018/18 (2 x 18 W)	2/5-2K	2 x 5	–	x	2 x M25, plastic	2 x M25	1	<b>1 3465 218 011</b>
nLLK 08018/18 (2 x 18 W)	2/6-2M <sup>1)</sup>	2 x 6	–	x	4 x M20, metal thread	2 x M20		<b>1 3465 218 021</b>
nLLK 08018/18 (2 x 18 W)	1/3-1M <sup>1)</sup>	1 x 3	x	–	2 x M20, metal thread	1 x M20		<b>1 3465 218 031</b>
<b>nLLK 08036</b>								
nLLK 08036 (1 x 36 W)	1/3-1K	1 x 3	x	–	1 x M25, plastic	1 x M25		<b>1 3465 136 001</b>
nLLK 08036 (1 x 36 W)	2/5-2K	2 x 5	–	x	2 x M25, plastic	2 x M25	1	<b>1 3465 136 011</b>
nLLK 08036 (1 x 36 W)	2/6-2M <sup>1)</sup>	2 x 6	–	x	4 x M20, metal thread	2 x M20		<b>1 3465 136 021</b>
<b>nLLK 08036/36</b>								
nLLK 08036/36 (2 x 36 W)	1/3-1K	1 x 3	x	–	1 x M25, plastic	1 x M25		<b>1 3465 236 001</b>
nLLK 08036/36 (2 x 36 W)	2/5-2K	2 x 5	–	x	2 x M25, plastic	2 x M25	1	<b>1 3465 236 011</b>
nLLK 08036/36 (2 x 36 W)	2/6-2M <sup>1)</sup>	2 x 6	–	x	4 x M20, metal thread	2 x M20		<b>1 3465 236 021</b>
nLLK 08036/36 (2 x 36 W)	1/6-1M <sup>1)</sup>	1 x 3	x	–	2 x M20 metal thread	1 x M20		<b>1 3465 236 031</b>
<b>nLLM 080... Pole mounting light fitting</b>								
nLLM 08018/18 (2 x 18 W)	1/3-1K	1 x 3	–	–	1 x M25, plastic	–		<b>1 3465 218 101</b>
nLLM 08036/36 (2 x 36 W)	1/3-1K	1 x 3	–	–	1 x M25, plastic	–		<b>1 3465 236 101</b>
<b>nLLK 08058</b>								
nLLK 08058 (1 x 58 W)	1/3-1K	1 x 3	x	–	1 x M25, plastic	1 x M25		<b>1 3465 158 001</b>
nLLK 08058 (1 x 58 W)	2/5-2K	2 x 5	–	x	2 x M25, plastic	2 x M25	1	<b>1 3465 158 011</b>
nLLK 08058 (1 x 58 W)	2/6-2M <sup>1)</sup>	2 x 6	–	x	4 x M20, metal thread	2 x M20		<b>1 3465 158 021</b>
<b>nLLK 08058/58</b>								
nLLK 08058/58 (2 x 58 W)	1/3-1K	1 x 3	x	–	1 x M25, plastic	1 x M25		<b>1 3465 258 001</b>
nLLK 08058/58 (2 x 58 W)	2/5-2K	2 x 5	–	x	2 x M25, plastic	2 x M25	1	<b>1 3465 258 011</b>
nLLK 08058/58 (2 x 58 W)	2/6-2M <sup>1)</sup>	2 x 6	–	x	4 x M20, metal thread	2 x M20		<b>1 3465 258 021</b>

Scope of delivery without lamp and fixing accessories

Metal cable glands see catalogue part 2: 2.3.12 ff

<sup>1)</sup> with metal thread, without cable gland

## Ordering details

Type	Content	Terminals	Through-wiring single-ended	Through-wiring twin-ended	Cable gland/ thread	Threaded plug	Blanking plug	Order No.
<b>nLLK 08... V-CG-S <sup>2)</sup></b>								
	nLLK 08018/18 V-CG-S (2 x 18 W)	2 x 6	—	x	2 x M25, plastic	2 x M25	1	<b>1 3465 218 912</b>
	nLLK 08018/18 V-CG-S (2 x 18 W)	2 x 6	—	x	4 x M20, metal thread	2 x M20		<b>1 3465 218 922</b>
	nLLK 08036/36 V-CG-S (2 x 36 W)	2 x 6	—	x	2 x M25, plastic	2 x M25	1	<b>1 3465 236 912</b>
	nLLK 08036/36 V-CG-S (2 x 36 W)	2 x 6	—	x	4 x M20, metal thread	2 x M20		<b>1 3465 236 922</b>
	nLLK 08058/58 V-CG-S (2 x 58 W)	2 x 6	—	x	2 x M25, plastic	2 x M25	1	<b>1 3465 258 912</b>
	nLLK 08058/58 V-CG-S (2 x 58 W)	2 x 6	—	x	4 x M20, metal thread	2 x M20		<b>1 3465 258 922</b>
<b>nLLK 98... CSA <sup>3)</sup></b>								
	nLLK 98 2217/UNV (2 x 17 W)	2 x 5	—	x	2 x 3/4" NPT Myers Hub Adapter	4 x M25		<b>1 3465 217 021</b>
	nLLK 98 2217/347 (2 x 17 W - 347 V AC)	2 x 5	—	x	2 x 3/4" NPT Myers Hub Adapter	4 x M25		<b>1 3465 217 347</b>
	nLLK 98 4232/UNV (2 x 32 W)	2 x 5	—	x	2 x 3/4" NPT Myers Hub Adapter	4 x M25		<b>1 3465 232 021</b>
	nLLK 98 4232/347 (2 x 32 W - 347 V AC)	2 x 5	—	x	2 x 3/4" NPT Myers Hub Adapter	4 x M25		<b>1 3465 232 347</b>

Scope of delivery without lamp and fixing accessories

Metal cable glands see catalogue part 2: 2.3.12 ff

<sup>1)</sup> with metal thread, without cable gland

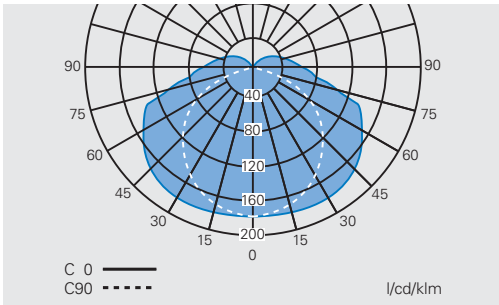
<sup>2)</sup> for operation with CEAG-emergency supply system

<sup>3)</sup> for use accord. NEC-standards

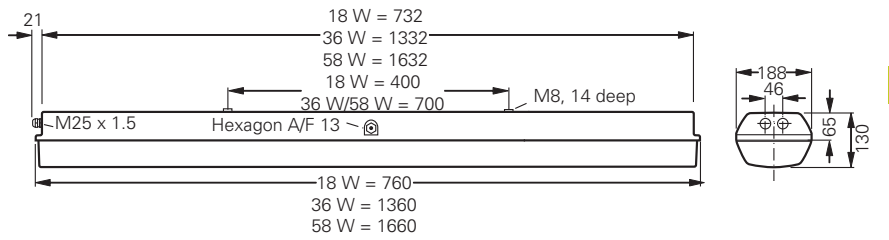
## Accessories

Type	Application	Order No.
Single sided through wiring 2/6 with 2 entries M25, incl. terminals and mounting material	for nLLM 08 pole mounting light fitting	<b>2 2218 602 000</b>

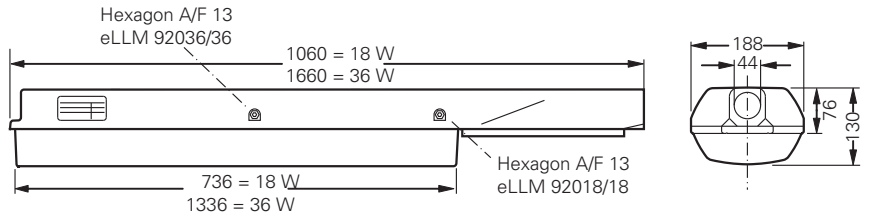
**Polar curve nLLK/M 08018/18 /  
nLLK/M 08036/36**



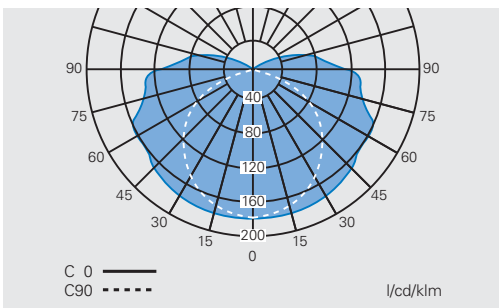
**nLLK 08...**



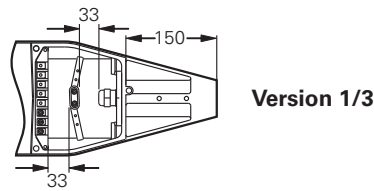
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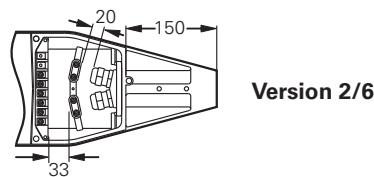
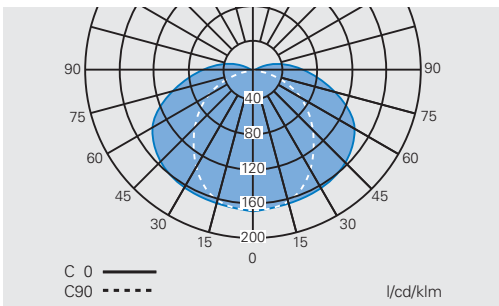
**Polar curve nLLK/M 08036 / nLLK 08058**



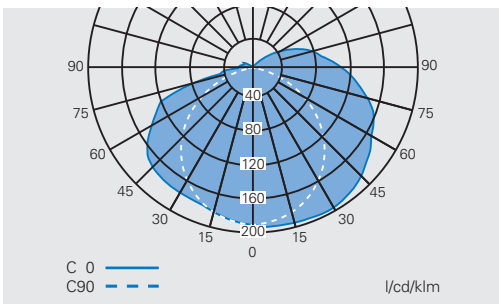
**nLLM 08...**



**Polar curve nLLK 08058/58**



**Polar curve nLLK/M 08018/18 V-CG-S/  
nLLK/M 08036/36 V-CG-S**





## Technical data

	nLLK 08018/18 (2 x 18 W)	nLLK 08036 (1 x 36 W) / nLLK 08036/36 (2 x 36 W)
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
IECEX Certificate of Conformity	IECEX BVS 11.0065 IECEX BVS 12.0069	IECEX BVS 11.0065 IECEX BVS 12.0069
Marking accd. to 94/9/EC	⊕ II 3 G Ex nA e IIC T4 Gc ⊕ II 2 D Ex tb IIIC T80 °C Db	⊕ II 3 G Ex nA e IIC T4 Gc ⊕ II 2 D Ex tb IIIC T80 °C Db
Marking accd. to IECEx	Ex nA e IIC T4 Gc Ex tb IIIC T80°C Db	Ex nA e IIC T4 Gc Ex tb IIIC T80°C Db
Permissible ambient temperature	-25 °C up to +55 °C	-25 °C up to +55 °C
IK-class according to EN 50102	IK 10 $\Delta$ 20 J	IK 10 $\Delta$ 20 J
Rated voltage	220 - 240 V AC 220 - 240 V DC	220 - 240 V AC 220 - 240 V DC
Rated current	0.16 A	0.16 A / 0.34 A
Frequency	50 - 60 Hz	50 - 60 Hz
Power factor cos $\phi$	$\geq 0.95$	$\geq 0.95$
Circuit	EVG	EVG
Protection class	I	I
Lamp / Illuminant	2 x T26 / 18 W (T8)	1 x T26 / 36 W (T8) / 2 x T26 / 36 W (T8)
Rated luminous flux	2700 lm <sup>1)</sup>	3350 lm <sup>1)</sup> / 6700 lm <sup>1)</sup>
Lamp cap	G13 accd. to IEC 60061-1	G13 accd. to IEC 60061-1
Light output ratio	78 %	86 % / 78 %
Dimensions (L x W x H)	760 x 188 x 130 mm	1360 x 188 x 130 mm
Connecting terminals	L1, N, PE (optional L1, L2, L3, N, PE) max. 2 x 2.5 mm <sup>2</sup> , cage clamp; optional screw terminal max. 2 x 6 mm <sup>2</sup> single wire (L1, L2, L3, L, N, PE)	L1, N, PE (optional L1, L2, L3, N, PE) max. 2 x 2.5 mm <sup>2</sup> , cage clamp; optional screw terminal max. 2 x 6 mm <sup>2</sup> single wire (L1, L2, L3, L, N, PE)
Enclosure colour	RAL 7035 light grey	RAL 7035 light grey
Enclosure material	glass-fibre reinforced polyester	glass-fibre reinforced polyester
Weight	3.6 kg	5.6 kg / 5.8 kg
Cable glands / gland plates / enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread <sup>2)</sup>	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread <sup>2)</sup>
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate

<sup>1)</sup> depends on used lamps<sup>2)</sup> with dustcover if entry/thread is not closed



## Technical data

### nLLK 08058 (1 x 58 W) / nLLK 08058/58 (2 x 58 W)

Type Examination Certificate	BVS 09 ATEX E 147
EC-Type Examination Certificate	BVS 09 ATEX E 162
IECEX Certificate of Conformity	IECEX BVS 11.0065 IECEX BVS 12.0069
Marking accd. to 94/9/EC	⊕ II 3 G Ex nA e IIC T4 Gc ⊕ II 2 D Ex tb IIIC T80 °C Db
Marking accd. to IECEx	Ex nA e IIC T4 Gc Ex tb IIIC T80 °C Db
Permissible ambient temperature	-25 °C up to +50 °C / -25 °C up to +45 °C
IK-class according to EN 50102	IK 10 ± 20 J
Rated voltage	220 - 240 V AC 220 - 240 V DC
Rated current	0.27 A / 0.53 A
Frequency	50 - 60 Hz
Power factor cos φ	≥ 0.95
Circuit	EVG
Protection class	I
Lamp / Illuminant	1 x T26 / 58 W (T8) / 2 x T26 / 58 W (T8)
Rated luminous flux	5200 lm <sup>1)</sup> / 10400 lm <sup>1)</sup>
Lamp cap	G13 accd. to IEC 60061-1
Light output ratio	83 % / 72 %
Dimensions (L x W x H)	1660 x 188 x 130 mm
Connecting terminals	L1, N, PE (optional L1, L2, L3, N, PE) max. 2 x 2.5 mm <sup>2</sup> , cage clamp; optional screw terminal max. 2 x 6 mm <sup>2</sup> single wire (L1, L2, L3, L, N, PE)
Enclosure colour	RAL 7035 light grey
Enclosure material	glass-fibre reinforced polyester
Weight	6.7 kg / 6.9 kg
Cable glands / gland plates / enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread <sup>2)</sup>
Degree of protection accd. to EN 60529	IP66
Protective cover / protective bowl	Polycarbonate

<sup>1)</sup> depends on used lamps

<sup>2)</sup> with dustcover if entry/thread is not closed



## Technical data

	nLLK 08018/18 V-CG-S (2 x 18 W)	nLLK 08036/36 V-CG-S (2 x 36 W) / nLLK 08058/58 V-CG-S (2 x 58 W)
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
IECEX Certificate of Conformity	IECEX BVS 11.0065 IECEX BVS 12.0069	IECEX BVS 11.0065 IECEX BVS 12.0069
Marking accd. to 94/9/EC	⊕ II 3 G Ex nA e IIC T4 Gc ⊕ II 2 D Ex tb IIIC T80 °C Db	⊕ II 3 G Ex nA e IIC T4 Gc ⊕ II 2 D Ex tb IIIC T80 °C Db
Marking accd. to IECEX	Ex nA e IIC T4 Gc Ex tb IIIC T80°C Db	Ex nA e IIC T4 Gc Ex tb IIIC T80°C Db
Permissible ambient temperature	-25 °C up to +50 °C	-25 °C up to +50 °C (2 x 36 W)/ -25 °C up to +45 °C (2 x 58 W) -25 °C up to +40 °C (2 x 58 W with through-wiring)
IK-class according to EN 50102	IK 10 $\Delta$ 20 J	IK 10 $\Delta$ 20 J
Rated voltage	220 - 254 V AC 195 - 250 V DC	220 - 254 V AC 195 - 250 V DC
Rated current	0.19 A	0.35 A / 0.54 A
Frequency	50 - 60 Hz	50 - 60 Hz
Power factor cos $\phi$	$\geq 0.95$	$\geq 0.95$
Circuit	EVG/V-CG-S	EVG/V-CG-S
Protection class	I	I
Lamp / Illuminant	2 x T26 / 18 W (T8)	2 x T26 / 36 W (T8) / 2 x T26 / 58 W (T8)
Rated luminous flux	2700 lm <sup>1)</sup>	6700 lm <sup>1)</sup> / 10400 lm <sup>1)</sup>
Lamp cap	G13 accd. to IEC 60061-1	G13 accd. to IEC 60061-1
Light output ratio	78 %	78 % / 72 %
Luminous flux in emergency operation	1350 lm <sup>1)</sup>	3350 lm <sup>1)</sup> / 5200 lm <sup>1)</sup>
Dimensions (L x W x H)	760 x 188 x 130 mm	1360 x 188 x 130 mm / 1660 x 188 x 130 mm
Connecting terminals	L1, L2, L3, N, PE screw-type terminals max. 2 x 6 mm <sup>2</sup> , single wire	L1, L2, L3, N, PE screw-type terminals max. 2 x 6 mm <sup>2</sup> , single wire
Enclosure colour	RAL 7035 light grey	RAL 7035 light grey
Enclosure material	glass-fibre reinforced polyester	glass-fibre reinforced polyester
Weight	5.6 kg	7.2 kg / 8.9 kg
Cable glands / gland plates / enclosure drilling	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread <sup>2)</sup>	Ex-e cable glands M25 x 1.5 (plastic), option: M20 x 1.5 metal thread <sup>2)</sup>
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Polycarbonate	Polycarbonate

<sup>1)</sup> depends on used lamps<sup>2)</sup> with dustcover if entry/thread is not closed



Technical data

	nLLK 98 2217 (2 x 17 W)	nLLK 98 4232 (2 x 32 W)
Marking accd. to CEC 018	Ex nA II T4 Class II Div. 1 Gr. E, F and G	Ex nA II T4 Class II Div. 1 Gr. E, F and G
Marking accd. to NEC 500/505	Class I, Zone 2, AEx nA II T4 Class II, Division 2, Groups F and G	Class I, Zone 2, AEx nA II T4 Class II, Division 2, Groups F and G
Certificate of Compliance	CSA 10.2325079	CSA 10.2325079
Permissible ambient temperature	-25 °C up to +40 °C	-25 °C up to +40 °C
Rated voltage	120 - 277 V AC option: 347 V AC	120 - 277 V AC option: 347 V AC
Rated current	0.21 A / 0.12 A	0.34 A / 0.17 A
Frequency	60 Hz	60 Hz
Power factor cos φ	≥ 0.95	≥ 0.95
Circuit	EVG	EVG
Protection class	I	I
Lamp / Illuminant	2 x F17 T8	2 x F32 T8
Rated luminous flux	2600 lm <sup>1)</sup>	6600 lm <sup>1)</sup>
Lamp cap	G13 accd. to IEC 60061-1	G13 accd. to IEC 60061-1
Light output ratio	78%	78%
Dimensions (L x W x H)	760 x 188 x 130 mm	1360 x 188 x 130 mm
Connecting terminals	L1, L2, L3, L, N, PE screw-type terminals max. 2 x 6 mm <sup>2</sup> single wire	L1, L2, L3, L, N, PE screw-type terminals max. 2 x 6 mm <sup>2</sup> single wire
Enclosure colour	RAL 7035 light grey	RAL 7035 light grey
Enclosure material	glass-fibre reinforced polyester	glass-fibre reinforced polyester
Weight	3.8 kg	6 kg
Cable glands / gland plates / enclosure drilling	3/4" NPT metal thread with dustcover	3/4" NPT metal thread with dustcover
Degree of protection accd. to EN 60529	IP65	IP65
Protective cover / protective bowl	Polycarbonate	Polycarbonate

<sup>1)</sup> depends on used lamps

