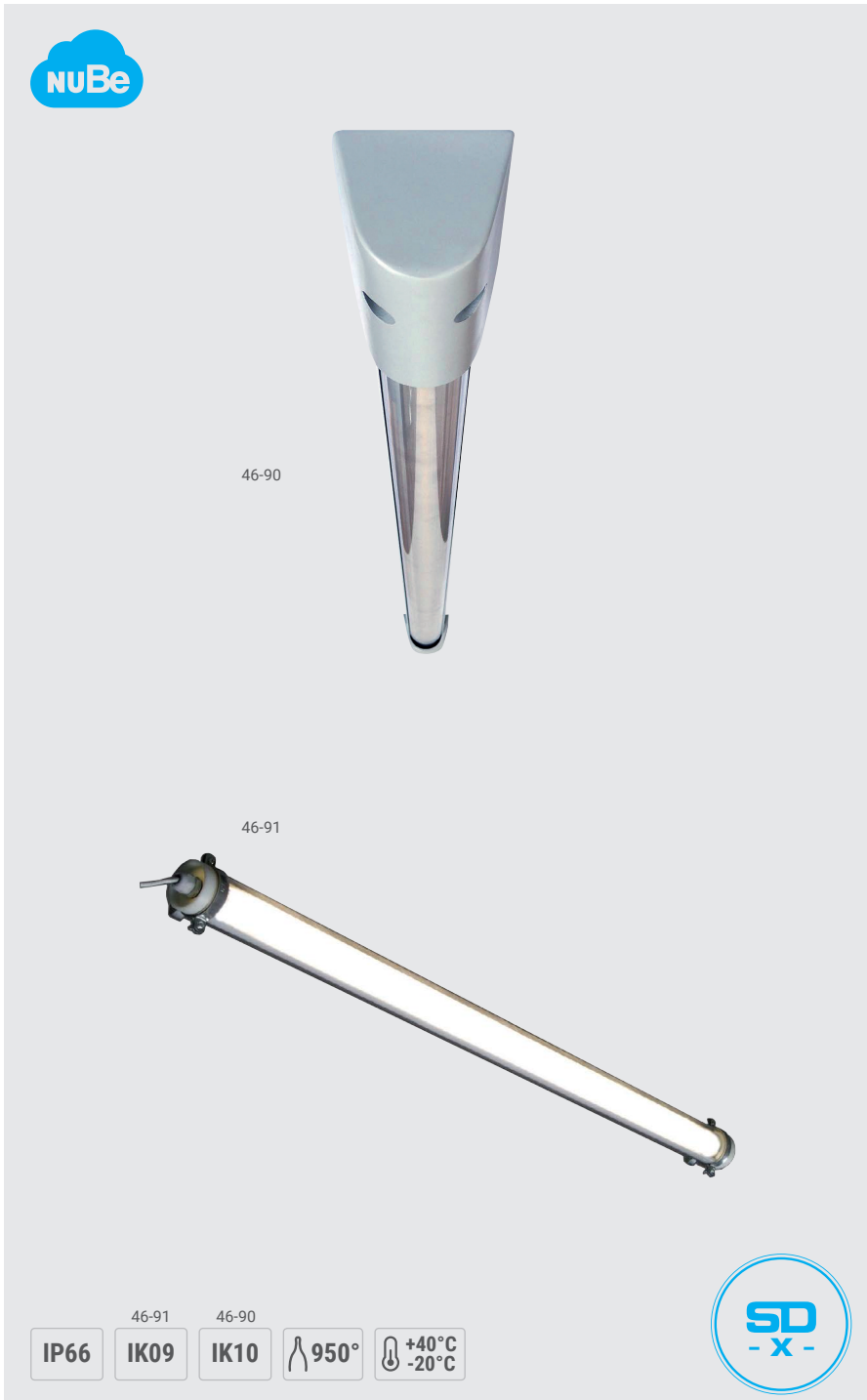


Tubular



Highly resistant luminaire with excellent mechanical characteristics for applications in high-risk areas. Mechanical resistance IK10 for version 46-90, IK09 for version 46-91.



Optical part consists of transparent tube made of polycarbonate, which provides ideal luminous flux spread.

Application

underpasses, gyms, prisons, psychiatric institutions, garages, bridges

Characteristics

Power supply

SD Universal Multi Voltage

93–265 V_{AC} – 50/60 Hz, 176–250 V_{DC}

ED 230 V_{AC} ±10 % 50 Hz

Power supply – MTBF at 25°C 80 000 h

Luminous flux maintenance at 25°C

>50 000 h (L80B20)

Colour stability 3 SDCM

Mounting ceiling, suspended

Body

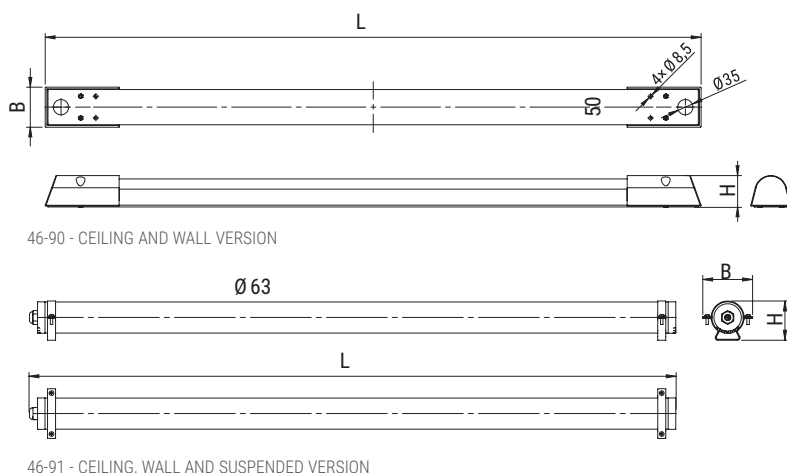
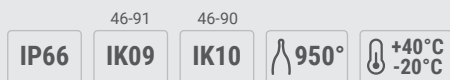
46-90 – ceiling and wall mounting, highly impact-resistant, load-bearing white painted metal sheet, 2 mm thick and transparent PC tube of 63 mm diameter (2.5 mm thickness)

46-91 – ceiling, wall and suspended mounting, highly impact-resistant, transparent PC tube of 63 mm diameter (2.5 mm thickness) with ABS plastic end caps

Reflektor white varnished steel sheet

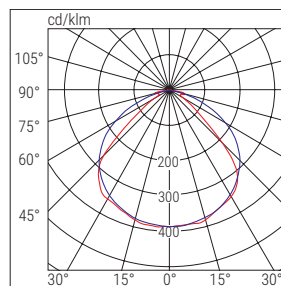
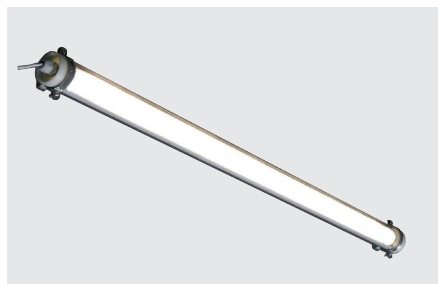
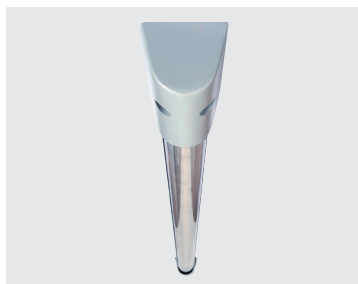
Diffuser clear polycarbonate

Standard EN 60598-1, EN 60598-2-1, EN 60598-2-22, EN 62471 (photobiological hazard)



Size	Dimensions mm		
	L	B	H
46-90 S	1508	93	70
46-90 L	1808	93	70
46-91 S	1280	100	79
46-91 L	1580	100	79

TUBULAR – clear polycarbonate diffuser




■ C0-C180 ■ C90-C270

	Version	Order Code	Description	Power W	Colour temp. K	CRI	LED flux lm lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight kg	Packaging Single/Multi pack
SD	46-90 S	46-909/128/SDY	TUBULAR LED SD 31W 1.5M	31	4000	>80	4840	4030	130	7.0	1
	46-90 L	46-909/144/SDY	TUBULAR LED SD 47W 1.8M	47	4000	>80	7320	6100	130	8.5	1
	46-91 S	46-919/128/SDY	TUBULAR LED SD 31W 1.3M	31	4000	>80	4840	4030	130	3.0	1
	46-91 L	46-919/144/SDY	TUBULAR LED SD 47W 1.6M	47	4000	>80	7320	6100	130	3.5	1
ED	46-90 S	46-909/128/NY/ME	TUBULAR LED ED 31W 1.5M	31	4000	>80	4840	4030	130	7.0	1
	46-90 L	46-909/144/NY/ME	TUBULAR LED ED 47W 1.8M	47	4000	>80	7320	6100	130	8.5	1
	46-91 S	46-919/128/NY/ME	TUBULAR LED ED 31W 1.3M	31	4000	>80	4840	4030	130	3.0	1
	46-91 L	46-919/144/NY/ME	TUBULAR LED ED 47W 1.6M	47	4000	>80	7320	6100	130	3.5	1

DALI **MODULAR ENCODING:**
It is possible to create **DALI** luminaires by integrating the version **SD** with the accessory **DALI Module** – Order Code **15024**
Example: Order Code **46-909/144/SDY + 15024** = Luminaire **46-909/144/SDY** in the **DALI** version



ON REQUEST 46-91: internal through wiring

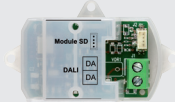
BUILDING AUTOMATION – to be ordered separately



LOGICA SD LGFM CONTROL UNIT


Order Code **21102**







DALI MODULE


Order Code **15024**

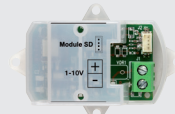




BUILDING AUTOMATION RADIO MODULE


Order Code **15022**






1÷10V MODULE


Order Code **15034**






BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**



LED INVERTER EMERGENCY LUMINAIRE – to be ordered separately

ED SD



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V

Order Code **19358** (1 h)
Order Code **19359** (3 h)

