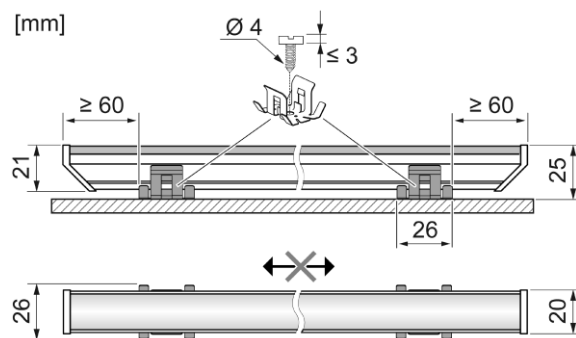
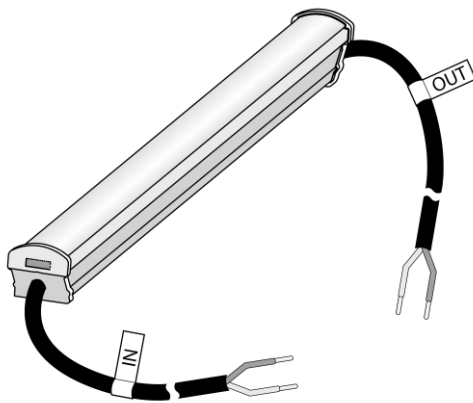


Planning and Sizing Guide for LH3 Products

Applicable to the following products:

LEDLUX LH3
OHR1 4020 LH3
OGL4 1060 LH3

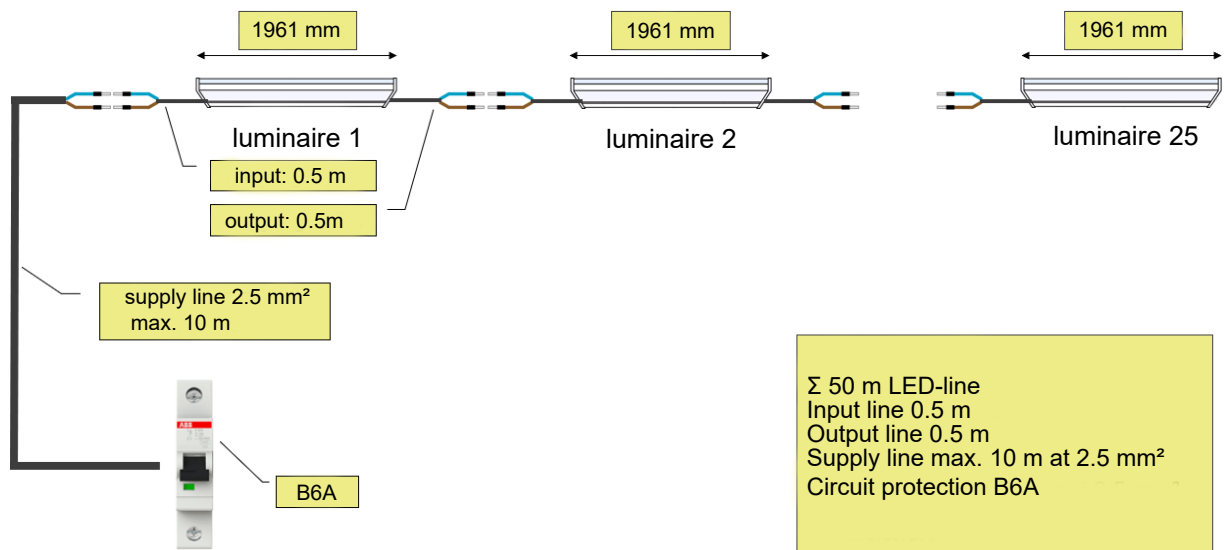


connectable length:	up to 50 meters (LED-length)		
Performance class:	Level 1	ca. 4,4 W/m	
	Level 2	ca. 10,0 W/m	
LED used:	Luxeon 2835 E		
Number of LEDs:	84 LEDs / m		
Protection class:	II		
Dimming principle:	Phase section, 3-wire		
Dimming range:	15 – 100%, depends on the dimmer. See Dimmer list		
Power factor:	0,9		

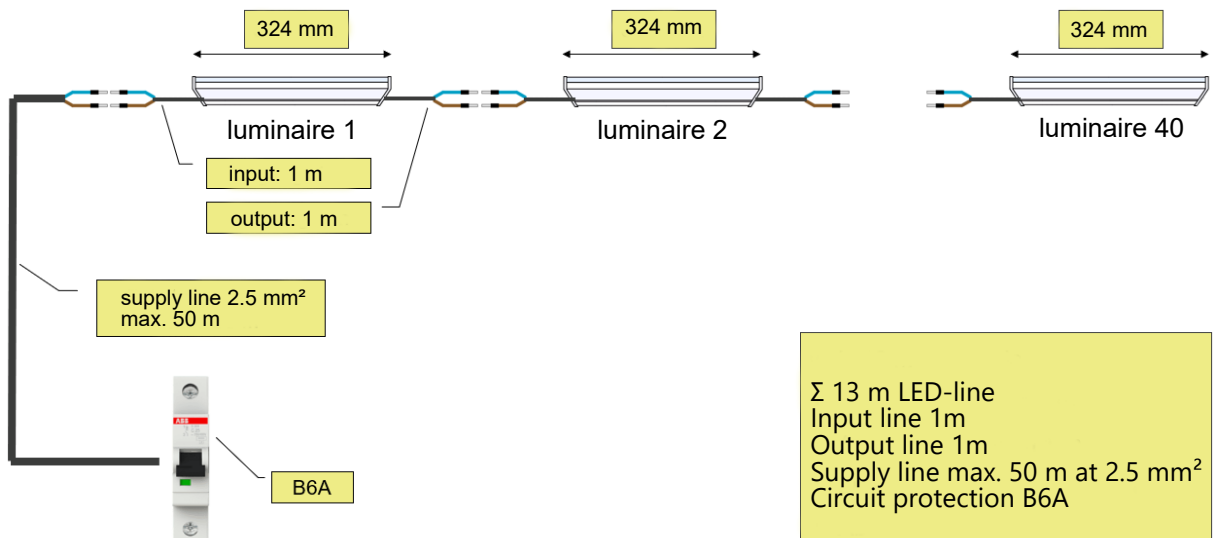
Application examples

1) Circuit Protection: B6A

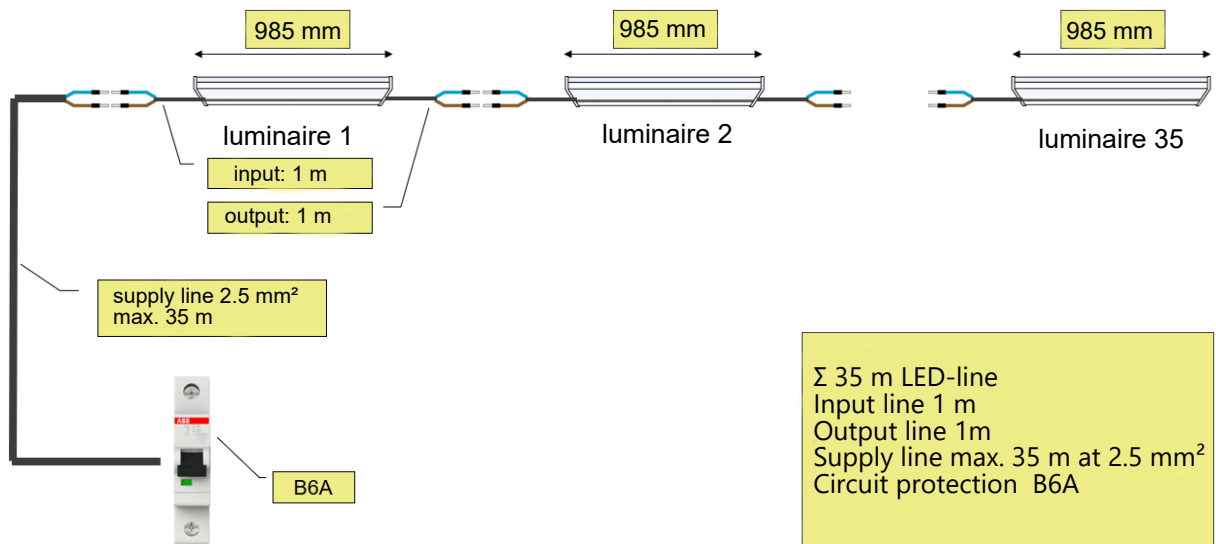
a. Maximum extent: max. connectable length



b. Row of short luminaires: minimum luminaire lengths

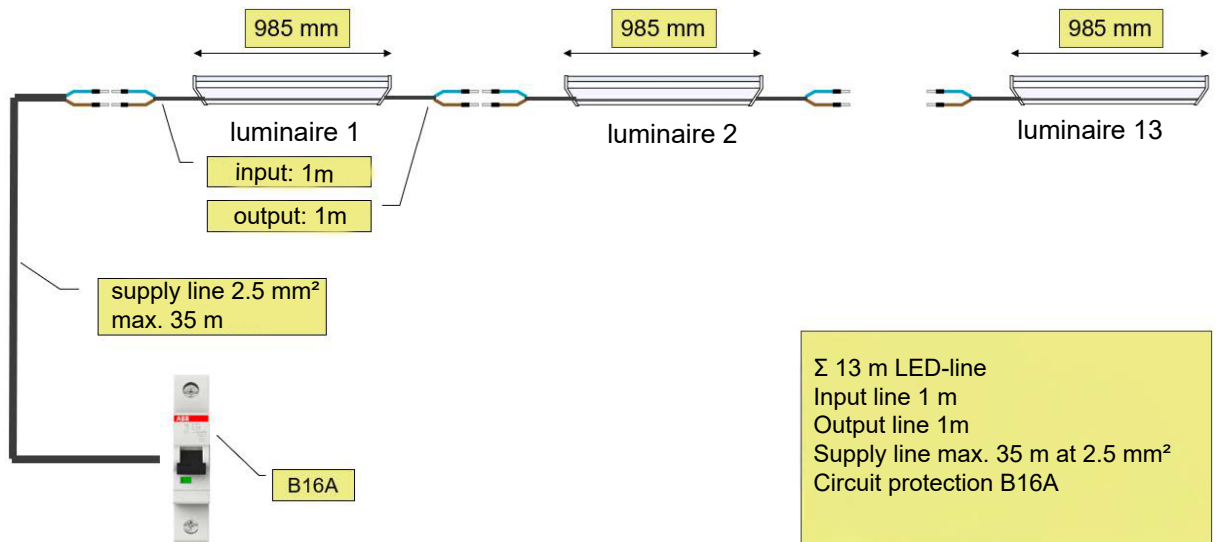


c. **Linking of 1m-luminaires: typical application for handrails and ground lines**

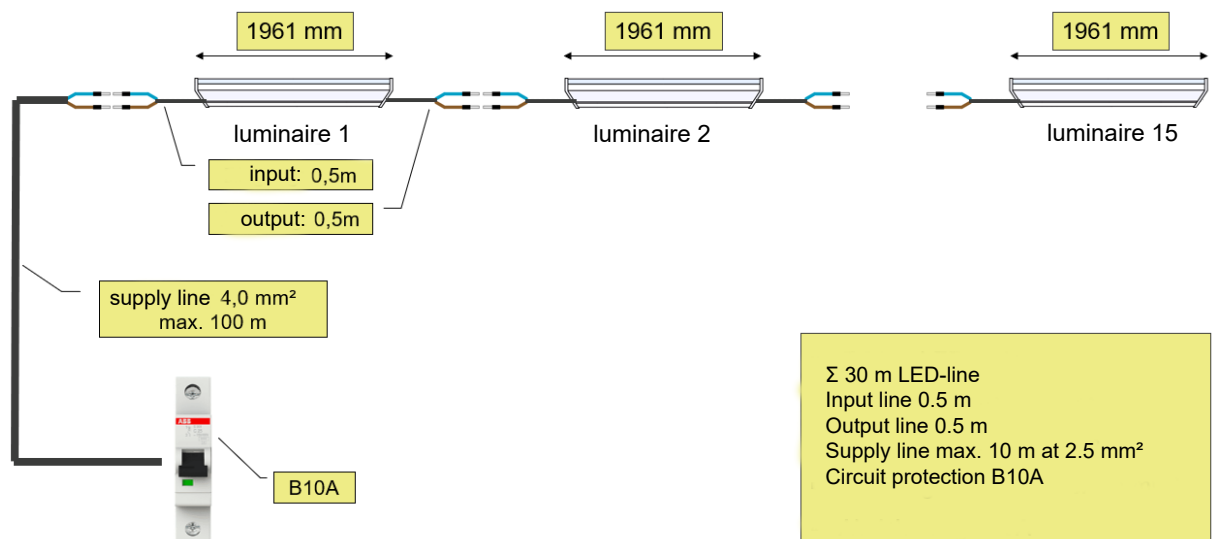


2) Circuit protection: B16A

a. Linking of 1m-luminaires: typical application for handrails and ground lines



b. Long supply line to the first light fixture: 100m



3) Sizing table

	LED-length	B6A	B10A	B13A	B16A
		supply length	supply length	supply length	supply length
Luminaire length 1.961 mm input line max. 0,5 m output line max. 0,5 m	50 m (25 luminaires)	10 m	---	---	---
	40 m (20 luminaires)	90 m	40 m	---	---
	30 m (15 luminaires)	100 m	80 m	25 m	---
	20 m (10 luminaires)	100 m	100 m	80 m	50 m
	10 m (5 luminaires)	100 m	100 m	100 m	100 m
Luminaire length 985 mm input line max. 1,0 m output line max. 1,0 m	35 m (35 luminaires)	35 m	---	---	---
	30 m (30 luminaires)	80 m	---	---	---
	25 m (25 luminaires)	100 m	---	---	---
	20 m (20 luminaires)	100 m	30 m	---	---
	15 m (15 luminaires)	100 m	100 m	30 m	5 m
	10 m (10 luminaires)	100 m	100 m	100 m	50 m

Cross-section for all supply lines: min. 2.5 mm²