IP40 IP20 3W LED Colour

SPOT-LIGHT 50 ER-F/R

MADE in GERMANY

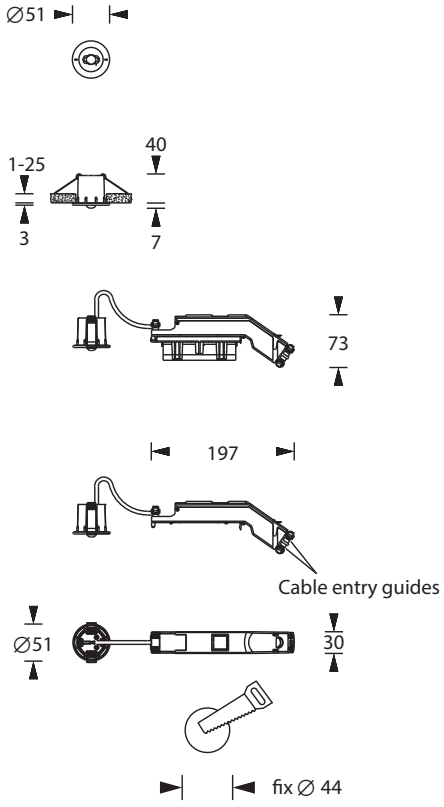
Safety luminaire in compliance with EN IEC 60598-1/2-22 and EN 1838.
Very small, almost ceiling-flush safety luminaire with round aluminum head and white polycarbonate cover for ceiling installation with 44 mm hole diameter.
To reduce maintenance costs, the battery of the single-battery version can be replaced without tools via a click system.
The optics for area illumination are pre-assembled, the optics for escape route illumination are included.



Technical specifications

Luminaire type	Luminaires for central battery systems	Self contained luminaires
Illuminant	3 W LED	3 W LED
Connecting terminals	2 x 2.5 mm² for double assignment	
Colour	white	
Material	Aluminum die-cast/Polycarbonate	
Mounting type	Recessed mounting	
Dimensions (Ø x D)	DE 51 x 47 mm	
Dimensions Container (W x H x D)	197 x 73 x 30 mm	
Ceiling cutout (Ø)	44 mm	
Min. installation depth	130 mm	
Protection class	IP40	
Protection class container	IP20	
Safety class	II	
IK Safety class	IK03	
Light current (mains)	280 lm	120 lm
Light current (emergency)		
Battery duration 1h	–	280 lm
Battery duration 3h	–	280 lm
Battery duration 8h	–	120 lm
Luminous flux Emergency (DC) / mains		
Battery duration 1h	–	100% / 45%
Battery duration 3h	–	100% / 45%
Battery duration 8h	–	45% / 45%
Power consumption	6 VA	5 VA
Battery current input	15 mA	–
Battery duration Battery operation	–	1h / 3h / 8h
Voltage supply	230V 50/60Hz; 220V DC +25/-20%	230V 50/60Hz
NiMH-battery		
Battery duration 1h	–	4,8V 2,0Ah
Battery duration 3h	–	4,8V 2,0Ah
Battery duration 8h	–	4,8V 2,0Ah
Temperature range	-10°C to +40°C	–
Non-maintained mode	–	0°C to +35°C
Maintained mode	–	-5°C to +30°C
optional		
Multi-switch and monitoring module	ELC MSÜ3 SET009 SET010	–
Self monitoring	–	SELF CHECK
Central monitoring	–	SAFELOG Line
Wireless monitoring	–	SAFELOG Wireless

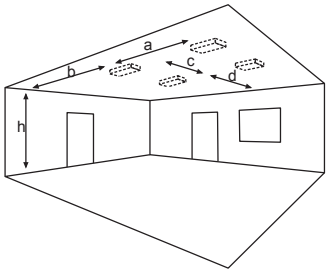
Recessed mounting



Attention: Minimum installation depth 130mm

Technical changes reserved / 07.11.2026

Lighting data and tables of luminaire distances (E = 1,25 lx)



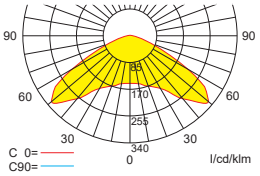
Ceiling mounting

Luminaires for central battery systems **wide area optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm



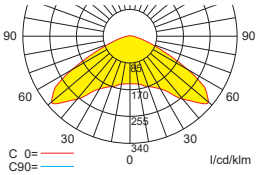
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
b	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80
c	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
d	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80

Self contained luminaires **wide area optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 1h**



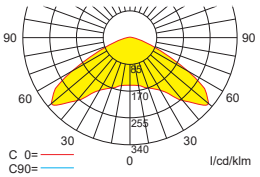
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
b	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80
c	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
d	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80

Self contained luminaires **wide area optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 3h**



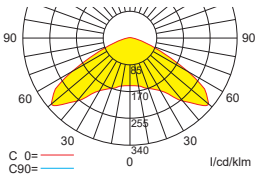
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
b	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80
c	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
d	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80

Self contained luminaires **wide area optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED

Luminous flux emergency / mains: 120lm/120lm – **Battery duration: 8h**



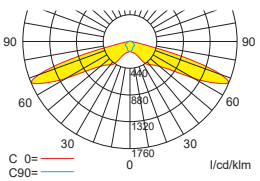
h	2.50	3.00	3.50	4.00	4.50	5.00
a	9.00	9.60	9.70	9.50	7.70	6.00
b	3.40	3.20	2.40	1.10	1.00	1.00
c	9.00	9.60	9.70	9.50	7.70	6.00
d	3.40	3.20	2.40	1.10	1.00	1.00

Luminaires for central battery systems **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED

Luminous flux emergency / mains: 280lm



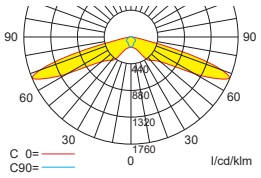
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
a	18.20	20.40	22.50	24.30	25.90	27.40	28.90	27.60	27.50	21.00	16.00	14.00	10.00	8.00
b	8.00	8.90	9.60	10.10	10.50	10.30	9.10	6.20	6.20	6.00	6.00	6.00	6.00	4.00
c	–	–	–	–	–	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Technical changes reserved / 07.11.2026

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED



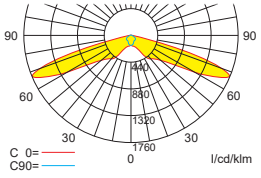
Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 1h**

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
a	18.20	20.40	22.50	24.30	25.90	27.40	28.90	27.60	27.50	21.00	16.00	14.00	10.00	8.00
b	8.00	8.90	9.60	10.10	10.50	10.30	9.10	6.20	6.20	6.00	6.00	6.00	6.00	4.00
c	–	–	–	–	–	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED



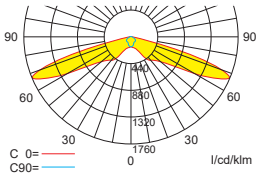
Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 3h**

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
a	18.20	20.40	22.50	24.30	25.90	27.40	28.90	27.60	27.50	21.00	16.00	14.00	10.00	8.00
b	8.00	8.90	9.60	10.10	10.50	10.30	9.10	6.20	6.20	6.00	6.00	6.00	6.00	4.00
c	–	–	–	–	–	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED



Luminous flux emergency / mains: 120lm/120lm – **Battery duration: 8h**

h	2.50	3.00	3.50	4.00	4.50	5.00
a	15.50	17.10	18.60	18.00	12.00	10.00
b	6.60	7.00	6.90	4.30	4.00	3.00
c	–	–	–	–	–	–
d	–	–	–	–	–	–