IP40 | 3W LED | Colour

BEAM 125R-AL A-F/R

MADE in GERMANY

Safety luminaire in compliance with EN IEC 60598-1/2-22 and EN 1838.
Compact, robust die-cast aluminum housing with integrated plastic container for insulating the connecting cable and with round optical recess. Screwless luminaire closure by snap-in mechanism. Version for ceiling mounting with one high-power LED and cast acrylic optics. The optics for area illumination are pre-assembled, the optics for escape route illumination are included.

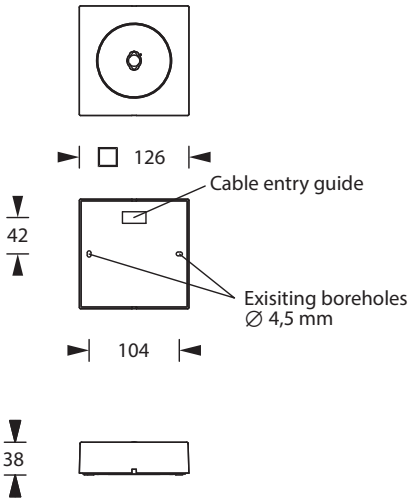


Technical specifications

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 / black	
Material	Aluminum die-cast	
Mounting type	Ceiling mounting	
Additional mounting types*	Ceiling mounting (wire suspension), Pendulum mounting	
Dimensions (W x H x D)	DM 126 x 38 x 126 mm	
Protection class	IP40	
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

* Optional accessory required

Ceiling mounting

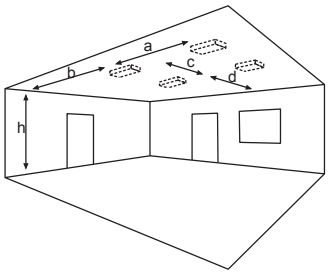


Technical changes reserved / 04.11.2026

Accessories

Wire guard
Back Box - BEAM 125R-AL / 130-AL
5lx-optics accessories-set
Downlight-optics accessories-set
Central pendulum - BEAM 125/130
Wire mounting set - BEAM 125/130
Cable assembly set

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



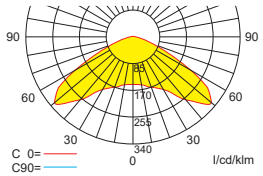
Ceiling mounting

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



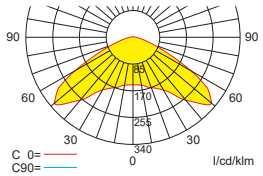
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
b	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80
c	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
d	4.70	5.10	5.20	5.20	5.00	4.50	3.30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



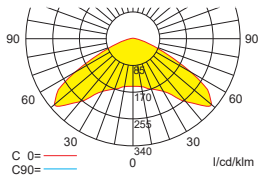
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
b	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80
c	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
d	4.70	5.10	5.20	5.20	5.00	4.50	3.30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



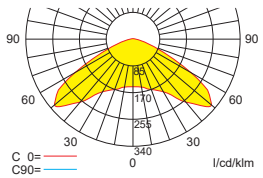
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
b	4.70	5.10	5.20	5.20	5.00	4.50	3.30	2.00	0.90	0.80	0.80	0.80
c	10.50	11.90	13.20	14.10	14.60	14.90	14.80	14.60	14.20	12.00	9.90	7.80
d	4.70	5.10	5.20	5.20	5.00	4.50	3.30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

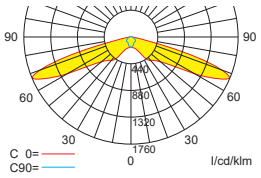


h	2.50	3.00	3.50	4.00	4.50	5.00
a	9.00	9.60	9.70	9.50	7.70	6.00
b	3.40	3.20	2.40	1.10	1.00	1.00
c	9.00	9.60	9.70	9.50	7.70	6.00
d	3.40	3.20	2.40	1.10	1.00	1.00

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

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED



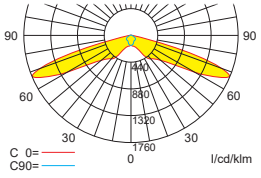
Luminous flux emergency / mains: 280lm

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	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED



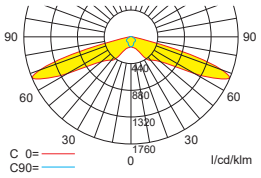
Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 1h**

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



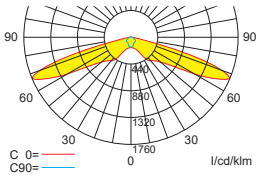
Luminous flux emergency / mains: 280lm/120lm – **Battery duration: 3h**

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	–	–	–	–	–	–