SBOX 300 BEL-R DM

Safety luminaire in compliance with EN IEC 60598-1/2-22 and EN 1838.
Very robust safety luminaire with optics for escape route illumination made of powder-coated sheet steel in white for ceiling mounting. The luminaire is equipped with an IP65 membrane pressure compensation valve and a 8 mm polycarbonate pane as standard.
The luminaire is available as a system luminaire for central battery systems with either a 3 watt, 6 watt or 10 watt LED-bar and as a single-battery version with a 3 watt or 6 watt LED-bar.

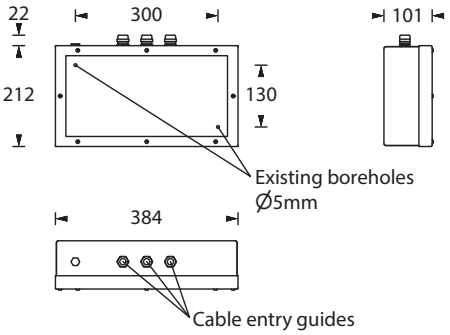


Technical specifications

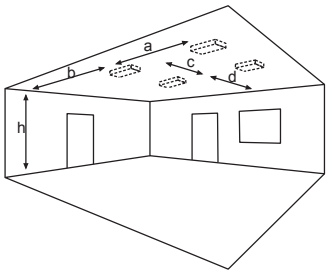
Luminaire type	**Luminaires for central battery systems**			**Self contained luminaires**	
Illuminant	3 W LED-bar	6 W LED-bar	10 W LED-bar	3 W LED-bar	6 W LED-bar
Connecting terminals	3 x 2.5 mm² for double assignment				
Colour	white				
Material	Sheet steel				
Mounting type	Ceiling mounting				
Dimensions (W x H x D)	DM 384 x 234 x 101 mm				
Protection class	IP65				
Safety class	I				
IK Safety class	IK10				
Light current (mains)	350 lm	600 lm	1050 lm	350 lm	580 lm
Light current (emergency)					
Battery duration 1h	–	–	–	350 lm	580 lm
Battery duration 3h	–	–	–	350 lm	580 lm
Battery duration 8h	–	–	–	320 lm	320 lm
Luminous flux Emergency (DC) / mains					
Battery duration 1h	–	–	–	100% / 100%	100% / 100%
Battery duration 3h	–	–	–	100% / 100%	100% / 100%
Battery duration 8h	–	–	–	90% / 100%	55% / 100%
Power consumption	6 VA	10.3 VA	15 VA	9 VA	11.5 VA
Battery current input	19 mA	27 mA	41 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	4,8V 2,0Ah
Battery duration 3h	–	–	–	4,8V 2,0Ah	4,8V 4,2Ah
Battery duration 8h	–	–	–	4,8V 4,2Ah	4,8V 4,2Ah
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	DALI ELC MSÜ3 SET009 SET010/025			–	
Self monitoring	–			SELF CHECK	
Central monitoring	–			SAFELOG Line	
Wireless monitoring	–			SAFELOG Wireless	

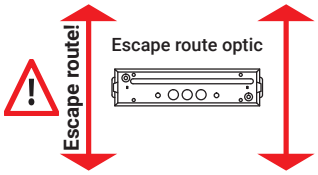
Technical changes reserved / 07.11.2026

Ceiling mounting



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





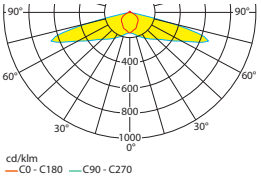
Ceiling mounting

Mounting direction

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

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



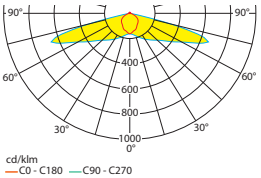
Luminous flux emergency / mains: 350lm

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50
a	17.10	19.10	20.40	21.20	21.20	20.50	19.70	19.10	18.20
b	7.20	7.50	7.30	6.90	6.50	6.00	5.40	4.80	3.90
c	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–

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

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



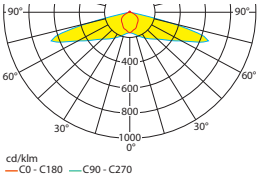
Luminous flux emergency / mains: 600lm

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
a	18.80	21.20	23.30	25.30	26.50	27.60	27.90	27.70	26.90	26.10	25.40	24.80	23.80
b	8.30	9.20	9.70	9.90	9.60	9.20	8.90	8.40	7.90	7.30	6.80	6.10	5.20
c	–	–	–	–	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–	–	–	–	–

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

Distance table for plane emergency routes / distance data in meters

Illuminant: 10W LED-bar



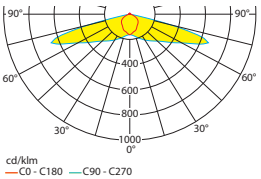
Luminous flux emergency / mains: 1050lm

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	9.50	10.00	10.50	11.00
a	20.20	23.10	25.80	28.10	30.30	32.40	34.00	35.20	36.30	36.80	36.90	36.50	35.80	34.90	34.20	33.60	32.90	32.00
b	9.20	10.30	11.40	12.20	12.70	13.00	13.00	12.70	12.20	11.90	11.60	11.10	10.50	9.90	9.40	8.90	8.20	7.30
c	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



Luminous flux emergency / mains: 350lm/350lm – **Battery duration: 1h**

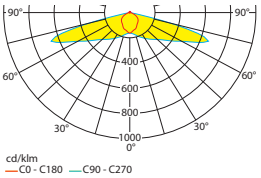
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50
a	17.10	19.10	20.40	21.20	21.20	20.50	19.70	19.10	18.20
b	7.20	7.50	7.30	6.90	6.50	6.00	5.40	4.80	3.90
c	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–

Technical changes reserved / 07.11.2026

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



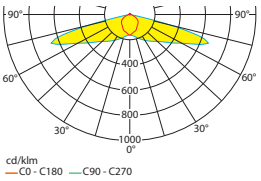
Luminous flux emergency / mains: 580lm/580lm – **Battery duration: 1h**

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
a	18.70	21.00	23.20	25.10	26.30	27.20	27.40	27.10	26.30	25.50	24.90	24.10	23.10
b	8.30	9.10	9.60	9.70	9.40	9.00	8.70	8.20	7.60	7.10	6.50	5.80	4.70
c	–	–	–	–	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–	–	–	–	–

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



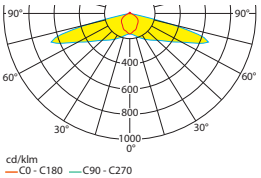
Luminous flux emergency / mains: 350lm/350lm – **Battery duration: 3h**

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50
a	17.10	19.10	20.40	21.20	21.20	20.50	19.70	19.10	18.20
b	7.20	7.50	7.30	6.90	6.50	6.00	5.40	4.80	3.90
c	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



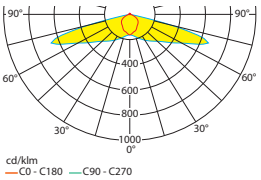
Luminous flux emergency / mains: 580lm/580lm – **Battery duration: 3h**

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
a	18.70	21.00	23.20	25.10	26.30	27.20	27.40	27.10	26.30	25.50	24.90	24.10	23.10
b	8.30	9.10	9.60	9.70	9.40	9.00	8.70	8.20	7.60	7.10	6.50	5.80	4.70
c	–	–	–	–	–	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–	–	–	–	–	–

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



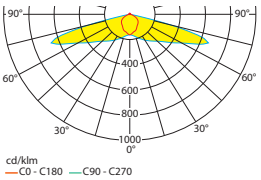
Luminous flux emergency / mains: 320lm/350lm – **Battery duration: 8h**

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	16.80	18.70	19.90	20.40	20.10	19.20	18.50	17.80
b	7.00	7.20	6.80	6.50	6.00	5.50	4.90	4.20
c	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



Luminous flux emergency / mains: 320lm/580lm – **Battery duration: 8h**

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	16.80	18.70	19.90	20.40	20.10	19.20	18.50	17.80
b	7.00	7.20	6.80	6.50	6.00	5.50	4.90	4.20
c	–	–	–	–	–	–	–	–
d	–	–	–	–	–	–	–	–

Technical changes reserved / 07.11.2026