SBOX 300 BEL-T DM

Safety luminaire in compliance with EN IEC 60598-1/2-22 and EN 1838.
Very robust safety luminaire made of powder-coated sheet steel in white for ceiling mounting and equipped with hall downlight optics for high ceilings. 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.

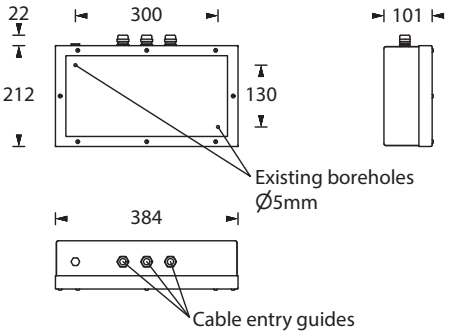


Technical specifications

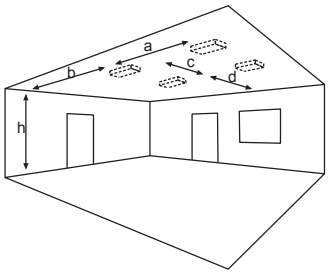
Luminaire type	**Luminaires for central battery systems**			**Self contained luminaires**	
Illuminant	3 W LED-bar	6 W LED-bar	10 W LED-bar	3 W LED-bar	6 W LED-bar
Connecting terminals	3 x 2.5 mm² for double assignment				
Colour	white				
Material	Sheet steel				
Mounting type	Ceiling mounting				
Dimensions (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)



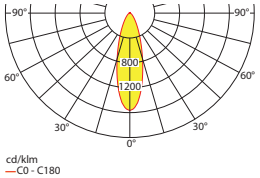
Ceiling mounting

Luminaires for central battery systems **downlight optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar

Luminous flux emergency / mains: 350lm



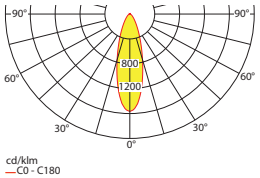
h	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00
a	9.70	10.10	10.50	10.80	11.00	11.20	11.30	11.40	11.40	11.40	11.30	11.20	11.00	10.70
b	3.80	3.90	4.00	4.00	4.00	4.00	3.90	3.80	3.70	3.50	3.20	2.90	2.40	1.80
c	9.70	10.10	10.50	10.80	11.00	11.20	11.30	11.40	11.40	11.40	11.30	11.20	11.00	10.70
d	3.80	3.90	4.00	4.00	4.00	4.00	3.90	3.80	3.70	3.50	3.20	2.90	2.40	1.80

Luminaires for central battery systems **downlight optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar

Luminous flux emergency / mains: 600lm



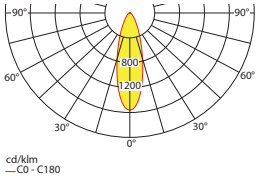
h	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	22.00	24.00	26.00
a	11.50	12.10	12.60	13.10	13.50	13.80	14.10	14.30	14.50	14.70	14.80	14.90	15.00	15.00	14.90	14.60	14.10
b	4.60	4.80	5.00	5.10	5.20	5.20	5.30	5.30	5.30	5.20	5.10	5.00	4.90	4.70	4.30	3.60	2.40
c	11.50	12.10	12.60	13.10	13.50	13.80	14.10	14.30	14.50	14.70	14.80	14.90	15.00	15.00	14.90	14.60	14.10
d	4.60	4.80	5.00	5.10	5.20	5.20	5.30	5.30	5.30	5.20	5.10	5.00	4.90	4.70	4.30	3.60	2.40

Luminaires for central battery systems **downlight optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 10W LED-bar

Luminous flux emergency / mains: 1050lm



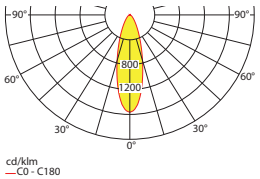
h	7.00	9.00	11.00	13.00	15.00	17.00	19.00	21.00	23.00	25.00	27.00	29.00	31.00	33.00	35.00
a	13.70	15.10	16.20	17.20	18.00	18.60	19.10	19.40	19.70	19.80	19.70	19.70	19.40	19.00	18.50
b	5.50	6.00	6.40	6.70	6.90	7.00	7.00	6.90	6.80	6.50	6.10	5.70	5.00	4.10	2.60
c	13.70	15.10	16.20	17.20	18.00	18.60	19.10	19.40	19.70	19.80	19.70	19.70	19.40	19.00	18.50
d	5.50	6.00	6.40	6.70	6.90	7.00	7.00	6.90	6.80	6.50	6.10	5.70	5.00	4.10	2.60

Self contained luminaires **downlight optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar

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



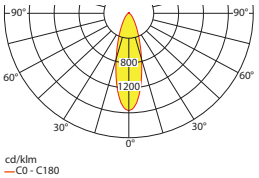
h	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00
a	9.70	10.10	10.50	10.80	11.00	11.20	11.30	11.40	11.40	11.40	11.30	11.20	11.00	10.70
b	3.80	3.90	4.00	4.00	4.00	4.00	3.90	3.80	3.70	3.50	3.20	2.90	2.40	1.80
c	9.70	10.10	10.50	10.80	11.00	11.20	11.30	11.40	11.40	11.40	11.30	11.20	11.00	10.70
d	3.80	3.90	4.00	4.00	4.00	4.00	3.90	3.80	3.70	3.50	3.20	2.90	2.40	1.80

Technical changes reserved / 07.11.2026

Self contained luminaires **downlight optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



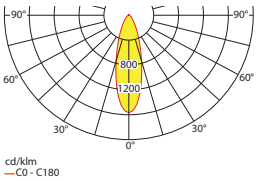
Luminous flux emergency / mains: 580lm/580lm – **Battery duration: 1h**

h	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	24.00	26.00
a	11.40	12.00	12.50	12.90	13.30	13.60	13.90	14.10	14.30	14.50	14.60	14.70	14.70	14.70	14.70	14.60	14.30	13.70
b	4.50	4.70	4.90	5.00	5.10	5.20	5.20	5.20	5.20	5.10	5.00	4.90	4.80	4.60	4.40	4.10	3.30	2.00
c	11.40	12.00	12.50	12.90	13.30	13.60	13.90	14.10	14.30	14.50	14.60	14.70	14.70	14.70	14.70	14.60	14.30	13.70
d	4.50	4.70	4.90	5.00	5.10	5.20	5.20	5.20	5.20	5.10	5.00	4.90	4.80	4.60	4.40	4.10	3.30	2.00

Self contained luminaires **downlight optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



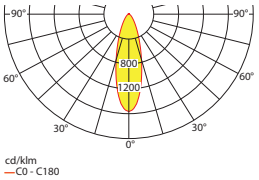
Luminous flux emergency / mains: 350lm/350lm – **Battery duration: 3h**

h	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00
a	9.70	10.10	10.50	10.80	11.00	11.20	11.30	11.40	11.40	11.40	11.30	11.20	11.00	10.70
b	3.80	3.90	4.00	4.00	4.00	4.00	3.90	3.80	3.70	3.50	3.20	2.90	2.40	1.80
c	9.70	10.10	10.50	10.80	11.00	11.20	11.30	11.40	11.40	11.40	11.30	11.20	11.00	10.70
d	3.80	3.90	4.00	4.00	4.00	4.00	3.90	3.80	3.70	3.50	3.20	2.90	2.40	1.80

Self contained luminaires **downlight optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



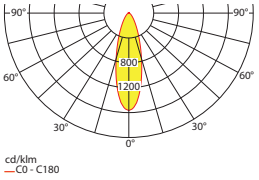
Luminous flux emergency / mains: 580lm/580lm – **Battery duration: 3h**

h	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	24.00	26.00
a	11.40	12.00	12.50	12.90	13.30	13.60	13.90	14.10	14.30	14.50	14.60	14.70	14.70	14.70	14.70	14.60	14.30	13.70
b	4.50	4.70	4.90	5.00	5.10	5.20	5.20	5.20	5.20	5.10	5.00	4.90	4.80	4.60	4.40	4.10	3.30	2.00
c	11.40	12.00	12.50	12.90	13.30	13.60	13.90	14.10	14.30	14.50	14.60	14.70	14.70	14.70	14.70	14.60	14.30	13.70
d	4.50	4.70	4.90	5.00	5.10	5.20	5.20	5.20	5.20	5.10	5.00	4.90	4.80	4.60	4.40	4.10	3.30	2.00

Self contained luminaires **downlight optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



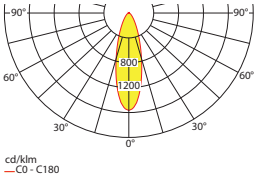
Luminous flux emergency / mains: 320lm/350lm – **Battery duration: 8h**

h	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00
a	9.40	9.80	10.10	10.40	10.60	10.80	10.90	10.90	10.90	10.90	10.70	10.60	10.30
b	3.70	3.80	3.80	3.90	3.80	3.80	3.70	3.60	3.40	3.10	2.80	2.40	1.80
c	9.40	9.80	10.10	10.40	10.60	10.80	10.90	10.90	10.90	10.90	10.70	10.60	10.30
d	3.70	3.80	3.80	3.90	3.80	3.80	3.70	3.60	3.40	3.10	2.80	2.40	1.80

Self contained luminaires **downlight 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	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00
a	9.40	9.80	10.10	10.40	10.60	10.80	10.90	10.90	10.90	10.90	10.70	10.60	10.30
b	3.70	3.80	3.80	3.90	3.80	3.80	3.70	3.60	3.40	3.10	2.80	2.40	1.80
c	9.40	9.80	10.10	10.40	10.60	10.80	10.90	10.90	10.90	10.90	10.70	10.60	10.30
d	3.70	3.80	3.80	3.90	3.80	3.80	3.70	3.60	3.40	3.10	2.80	2.40	1.80

Technical changes reserved / 07.11.2026