PROTECT BEL-R DM

Safety luminaire in compliance with EN IEC 60598-1/2-22 and EN 1838.
Safety luminaire with protection class IP65 made of polycarbonate with clear light cover and snap-in optics for escape route illumination for ceiling mounting.
For unprotected outdoor mounting we offer an accessory set with pressure equalization valve. In the versions with battery heating and external supply, the pressure equalization valve is always integrated in the luminaire.
The luminaire is optionally available as a set with supply unit for indoor installation and luminaire unit for outdoor installation.
Alternatively, the luminaire is available with heating container incl. battery 4.8V 4.2Ah for LED 3W and 6W (3h) / 6W (8h) to extend the temperature range to -20°C.
Optionally, the luminaire can be supplied as a central battery variant for a temperature range down to -35°C (unmonitored).



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	2 x 2.5 mm² for double assignment				
Colour	white				
Material	Polycarbonate (light cover clear)				
Mounting type	Ceiling mounting				
Additional mounting types*	Ceiling mounting (wire suspension), Pendulum mounting				
Dimensions (W x H x D)	DM 370 x 140 x 93 mm				
Protection class	IP65				
Safety class	II				
IK Safety class	IK08				
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
Luminous flux Emergency (DC) / mains					
Battery duration 1h	–	–	–	100% / 100%	100% / 100%
Battery duration 3h	–	–	–	100% / 100%	100% / 100%
Battery duration 8h	–	–	–	–	55% / 100%
Power consumption	6 VA	10.3 VA	15 VA	6 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 4,2Ah 4,8V 4,2Ah + AkH	4,8V 4,2Ah 4,8V 4,2Ah + AkH
Battery duration 8h	–	–	–	–	4,8V 4,2Ah 4,8V 4,2Ah + AkH
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 SET010/025			–	
Self monitoring	–			SELF CHECK	
Central monitoring	–			SAFELOG Line	
Wireless monitoring	–			SAFELOG Wireless	

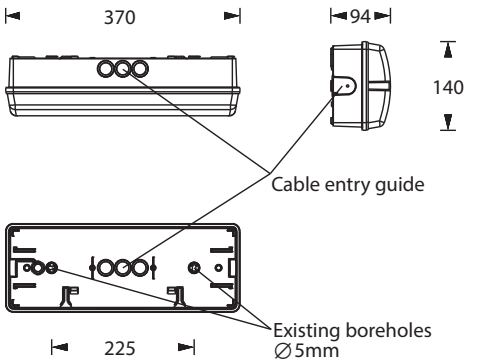
Technical changes reserved / 04.11.2026

* Optional accessory required

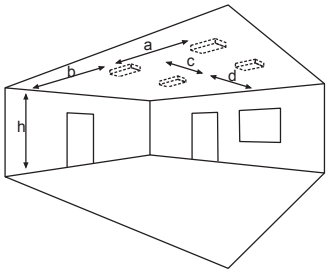
Accessories

Universal cover plate
Pressure compensation valve
Pole and wall bracket
Double pendulum set with long canopy
Central pendulum sets with long canopy
Central pendulum - Plastic
Wire sets with long canopy
Cable assembly set

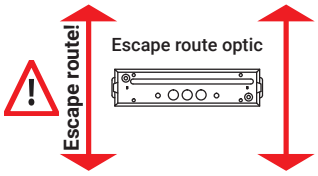
Ceiling mounting



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



Ceiling mounting

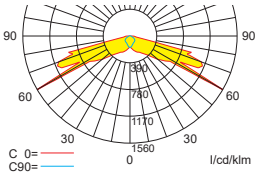


Mounting direction

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

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



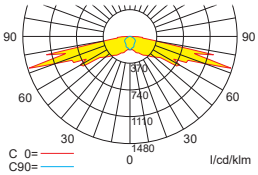
Luminous flux emergency / mains: 350lm

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	–	–	–	–	–	–	–	–
b	–	–	–	–	–	–	–	–
c	18.50	19.60	20.30	21.90	23.40	23.50	24.70	24.60
d	7.50	8.20	9.10	9.40	9.60	9.40	7.80	6.90

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

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



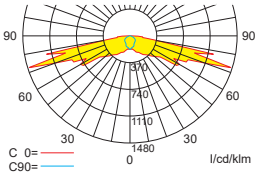
Luminous flux emergency / mains: 600lm

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	9.00
a	–	–	–	–	–	–	–	–	–	–	–	–	–	–
b	–	–	–	–	–	–	–	–	–	–	–	–	–	–
c	21.60	25.90	26.10	27.80	29.40	30.70	33.80	31.20	29.10	30.00	29.40	30.00	30.60	24.70
d	10.00	10.40	11.40	12.30	13.00	11.20	11.70	11.20	11.70	9.20	8.60	8.20	7.10	6.50

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

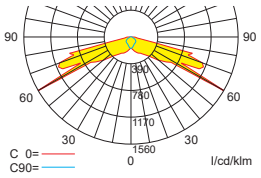
h	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
a	–	–	–	–	–	–	–	–	–	–	–
b	–	–	–	–	–	–	–	–	–	–	–
c	21.90	29.60	35.90	37.20	41.80	45.40	45.40	42.30	41.50	40.40	37.40
d	10.00	13.30	14.20	16.30	15.90	15.20	14.50	12.10	10.90	9.10	6.00

Technical changes reserved / 04.11.2026

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



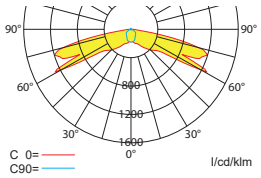
Luminous flux emergency / mains: 350lm/350lm – **Battery duration: 1h**

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	–	–	–	–	–	–	–	–
b	–	–	–	–	–	–	–	–
c	18.50	19.60	20.30	21.90	23.40	23.50	24.70	24.60
d	7.50	8.20	9.10	9.40	9.60	9.40	7.80	6.90

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



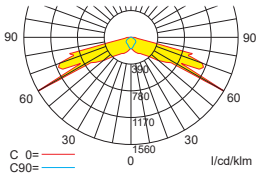
Luminous flux emergency / mains: 580lm/580lm – **Battery duration: 1h**

h	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00
a	–	–	–	–	–	–	–	–
b	–	–	–	–	–	–	–	–
c	20.56	26.25	30.67	33.68	35.33	35.88	33.93	31.89
d	8.98	11.18	12.39	12.76	12.51	13.94	8.52	0.47

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



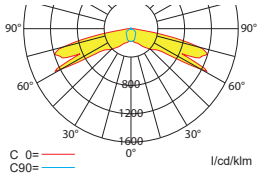
Luminous flux emergency / mains: 350lm/350lm – **Battery duration: 3h**

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	–	–	–	–	–	–	–	–
b	–	–	–	–	–	–	–	–
c	18.50	19.60	20.30	21.90	23.40	23.50	24.70	24.60
d	7.50	8.20	9.10	9.40	9.60	9.40	7.80	6.90

Self contained luminaires **escape route optics**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



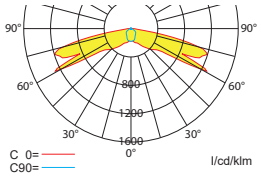
Luminous flux emergency / mains: 580lm/580lm – **Battery duration: 3h**

h	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00
a	–	–	–	–	–	–	–	–
b	–	–	–	–	–	–	–	–
c	20.56	26.25	30.67	33.68	35.33	35.88	33.93	31.89
d	8.98	11.18	12.39	12.76	12.51	13.94	8.52	0.47

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	2.00	3.00	4.00	5.00	6.00
a	–	–	–	–	–
b	–	–	–	–	–
c	18.33	22.89	25.72	26.61	25.38
d	7.84	9.22	9.35	10.08	6.25