



# PROTECT BEL

Safety luminaire with protection class IP65 made of polycarbonate with clear light cover for wide area illumination.

For unprotected outdoor installation, we offer an accessory set with pressure compensation valve. In the versions with heating case and external supply unit, the pressure compensation valve is always integrated in the luminaire.

Optional the luminaire is available with an external supply unit to mount the luminaire outside and the supply unit inside.

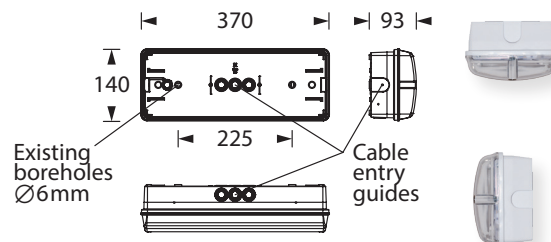
The luminaire is also available with a heating case incl. battery 4,8V 4,2Ah for LED 3W and 6W (3h)/1,5W and 6W (8h) to use in environments with lowest permissible temperature of -20°C.

Optionally, the luminaire can be delivered as a central battery version for a temperature range down to -35°C (unmonitored).



## Technical specifications

Connecting terminals	2 x 2,5 mm <sup>2</sup> for double assignment
Casing/colour	Polycarbonate/white (light cover clear)
Type of assembly	Ceiling mounting and wall mounting
Dimensions (W x H x D)	370 x 140 x 93 mm (luminaire) 254 x 90 x 180 mm (optional supply unit) max. 20,00m connecting cable between luminaire and supply unit. Number of wires: min. 4 x 1,5 mm <sup>2</sup>
Protection class	IP65
Safety class	II



Illuminant	■ Luminaires for central battery systems				■ Self contained luminaires		
	1,5W LED-bar	3W LED-bar	6W LED-bar	10W LED-bar	1,5W LED-bar	3W LED-bar	6W LED-bar
Light current	190lm	350lm	600lm	1.050lm	190lm (net)	350lm (net)	580lm (net)
Rated operating time 1h/3h	-	-	-	-	190lm (emergency)	350lm (emergency)	580lm (emergency)
Rated operating time 8h	-	-	-	-	190lm (emergency)	-	320lm (emergency)
Luminous flux							
Emergency (DC)/mains 1h/3h	-	-	-	-	100% / 100%	100% / 100%	100% / 100%
Emergency (DC)/mains 8h	-	-	-	-	100% / 100%	-	55% / 100%
Power consumption	5VA	6VA	10,3VA	15VA	5VA	6VA	11,5VA
Battery current input	12mA	19mA	27mA	41mA	-	-	-
Voltage supply	230V 50/60Hz / 220V DC +25/-20%				230V 50/60Hz NiMh-Akku		
NiMh-Akku 1h	-	-	-	-	4,8V 2,0Ah	4,8V 2,0Ah	4,8V 2,0Ah
NiMh-Akku 3h	-	-	-	-	4,8V 2,0Ah	4,8V 4,2Ah	4,8V 4,2Ah
NiMh-Akku 8h	-	-	-	-	4,8V 4,2Ah	-	4,8V 4,2Ah
Temperature range		-10°C to +40°C					
non-maintained mode	-	-	-	-	-	-0°C to +35°C <sup>1)</sup>	-
maintained mode	-	-	-	-	-	-5°C to +30°C <sup>1)</sup>	-
optional:							
Multi-switch and monitoring module	ELC MSÜ3 SET009 SET010	ELC MSÜ3 SET009 SET010 DALI	ELC MSÜ3 SET009 SET010	ELC MSÜ3 SET009 SET010	-	-	-
Self monitoring	-	-	-	-	SELF CHECK		
Central monitoring	-	-	-	-	SAFELOG Line SAFELOG Wireless		

<sup>1)</sup>Optional available with heating case, incl. battery (4,8V 4,2Ah) for LED 3W and 6W (3h)/1,5W and 6W (8h), to use in environments with lowest permissible temperature of -20°C.

Technische Änderungen vorbehalten/Technical changes reserved

## Accessories

- Wire guard \_\_\_\_\_
- Central pendulum \_\_\_\_\_
- Cable assembly set \_\_\_\_\_
- Pressure compensation valve \_\_\_\_\_
- Accessory set for unprotected mounting \_\_\_\_\_

## Optional

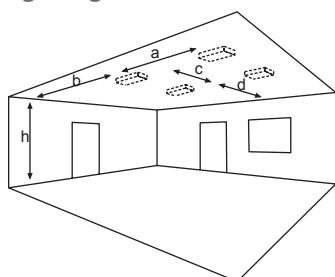


External supply unit



Heating case

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



Ceiling mounting

### ■ Luminaires for central battery systems

Distance table for plane emergency routes / distance data in meters

illuminant: 1,5W LED-bar	Luminous flux emergency (DC)/mains: 190lm / 190lm												
	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	7,90	8,50	8,90	9,00	9,30	9,60	9,50	9,40	9,10	8,70	7,50	6,20
	b	3,15	3,20	3,40	3,30	3,30	3,10	2,80	2,50	2,00	1,30	0,50	0,40
	c	7,70	9,00	9,50	9,50	9,60	9,70	9,60	9,40	9,10	8,70	7,50	6,20
	d	3,60	3,40	3,40	3,30	3,30	3,20	2,90	2,50	2,00	1,50	0,50	0,50

illuminant: 3W LED-bar	Luminous flux emergency (DC)/mains: 350lm / 350lm																
	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
	a	9,20	10,20	11,00	11,50	11,90	12,20	12,50	12,70	12,80	12,80	12,70	12,40	12,20	11,90	11,50	10,50
	b	3,90	4,10	4,30	4,50	4,60	4,60	4,50	4,40	4,30	4,10	3,80	3,40	2,90	2,30	1,80	1,00
	c	9,20	10,20	11,50	11,90	12,70	12,40	12,80	12,90	13,00	12,90	12,80	12,60	12,30	12,00	11,60	10,80
	d	4,10	4,70	4,40	4,60	4,60	4,60	4,60	4,40	4,30	4,10	3,80	3,50	3,00	2,60	1,90	1,00

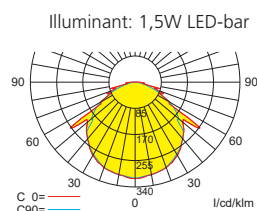
  

illuminant: 6W LED-bar	Luminous flux emergency (DC)/mains: 600lm / 600lm											
	h	2,00	3,00	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00
	a	9,60	11,80	14,00	15,30	16,30	16,90	17,10	17,20	17,00	16,40	15,60
	b	4,00	5,00	5,60	5,90	6,00	5,90	5,70	5,20	4,40	3,20	2,20
	c	9,70	11,50	13,30	15,60	16,60	16,60	16,80	16,80	16,70	16,10	15,10
	d	3,80	4,80	6,00	5,80	5,90	5,90	5,60	5,10	4,20	3,00	2,80

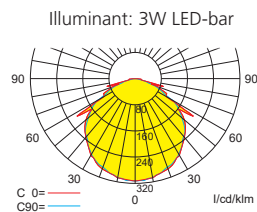
illuminant: 10W LED-bar	Luminous flux emergency (DC)/mains: 1.050lm / 1.050lm														
	h	2,00	3,00	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00	13,00	14,00	15,00
	a	10,10	13,60	15,30	17,60	19,20	20,40	21,10	21,70	21,90	22,10	21,90	21,70	21,00	20,30
	b	4,30	5,50	6,60	7,20	7,50	7,70	7,80	7,70	7,40	7,00	6,30	5,50	4,20	2,00
	c	10,40	12,80	15,10	16,80	19,10	20,80	21,80	21,20	21,50	21,70	21,40	21,30	20,70	19,80
	d	4,00	5,30	6,50	7,60	7,30	7,60	7,60	7,50	7,30	6,80	6,30	5,20	4,00	1,70

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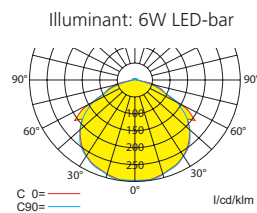
Luminous flux emergency/mains: 190lm/190lm – **Rated operating time: 1h/3h/8h**

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	7,90	8,50	8,90	9,00	9,30	9,60	9,50	9,40	9,10	8,70	7,50	6,20
b	3,15	3,20	3,40	3,30	3,30	3,10	2,80	2,50	2,00	1,30	0,50	0,40
c	7,70	9,00	9,50	9,50	9,60	9,70	9,60	9,40	9,10	8,70	7,50	6,20
d	3,60	3,40	3,40	3,30	3,30	3,20	2,90	2,50	2,00	1,50	0,50	0,50



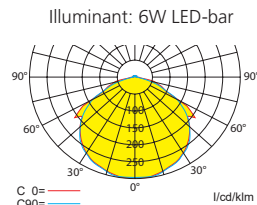
Luminous flux emergency/mains: 350lm/350lm – **Rated operating time: 1h/3h**

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	9,50	10,00
a	9,20	10,20	11,00	11,50	11,90	12,20	12,50	12,70	12,80	12,80	12,70	12,40	12,20	11,90	11,50	10,50
b	3,90	4,10	4,30	4,50	4,60	4,60	4,50	4,40	4,30	4,10	3,80	3,40	2,90	2,30	1,80	1,00
c	9,20	10,20	11,50	11,90	12,70	12,40	12,80	12,90	13,00	12,90	12,80	12,60	12,30	12,00	11,60	10,80
d	4,10	4,70	4,40	4,60	4,60	4,60	4,60	4,40	4,30	4,10	3,80	3,50	3,00	2,60	1,90	1,00



Luminous flux emergency/mains: 580lm/580lm – **Rated operating time: 1h/3h**

h	2,00	3,00	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00
a	9,89	12,21	14,05	15,22	16,13	16,71	16,96	17,04	16,9	16,38
b	4,17	5,08	5,60	5,91	6,01	5,98	5,71	5,17	4,38	3,05
c	10,08	12,07	14,42	16,13	16,78	16,67	17,00	16,97	16,74	16,21
d	4,13	5,29	5,96	5,90	6,01	5,93	5,65	5,14	4,32	2,98



Luminous flux emergency/mains: 320lm/580lm – **Rated operating time: 8h**

h	2,00	3,00	4,00	5,00	6,00	7,00	8,00
a	8,51	10,48	11,6	12,31	12,61	12,64	12,27
b	3,61	4,17	4,43	4,46	4,22	3,64	2,50
c	8,45	10,77	12,31	12,30	12,63	12,55	12,14
d	3,66	4,44	4,44	4,43	4,17	3,61	2,48