IK08 | IFS | IP65 | 1,5 W LED | 3W LED | 6W LED | 10W LED | Colour

PROTECT BEL WM/DM (OPAL)

MADE in GERMANY

Safety luminaire in compliance with EN IEC 60598-1/2-22 and EN 1838.
Safety luminaire with protection class IP65 made of polycarbonate with opal light cover for surface illumination.
For unprotected outdoor installation we offer an accessory set with pressure compensation 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) / 1.5W and 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	1.5 W LED-bar	3 W LED-bar	6 W LED-bar	10 W LED-bar	1.5 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 opal)						
Mounting type	Wall-/ceiling mounting						
Additional mounting types*	Ceiling mounting (wire suspension), Pendulum mounting						
Dimensions (W x H x D)	WM/DM 370 x 140 x 94 mm						
Protection class	IP65						
Safety class	II						
IK Safety class	IK08						
Light current (mains)	190 lm	350 lm	600 lm	1050 lm	190 lm	350 lm	580 lm
Light current (emergency)							
Battery duration 1h	–	–	–	–	190 lm	350 lm	580 lm
Battery duration 3h	–	–	–	–	190 lm	350 lm	580 lm
Battery duration 8h	–	–	–	–	190 lm	–	320 lm
Luminous flux Emergency (DC) / mains							
Battery duration 1h	–	–	–	–	100% / 100%	100% / 100%	100% / 100%
Battery duration 3h	–	–	–	–	100% / 100%	100% / 100%	100% / 100%
Battery duration 8h	–	–	–	–	100% / 100%	–	55% / 100%
Power consumption	5 VA	6 VA	10.3 VA	15 VA	5 VA	6 VA	11.5 VA
Battery current input	12 mA	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	4,8V 2,0Ah
Battery duration 3h	–	–	–	–	4,8V 2,0Ah	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	–	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	

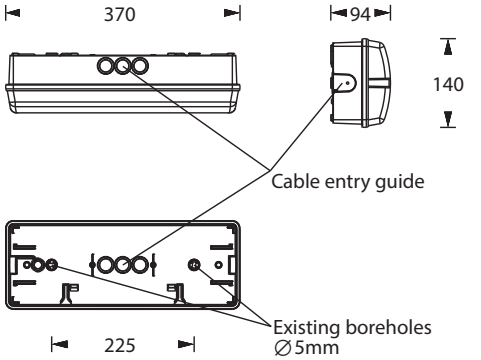
Technical changes reserved / 04.11.2026

* Optional accessory required

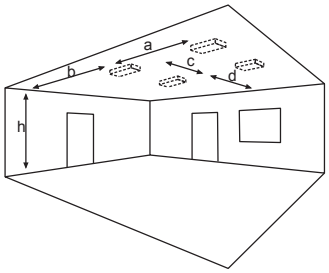
Accessories

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
Set for parallel wall mounting

Wall-/ceiling mounting



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

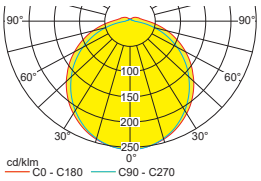


Ceiling mounting

Luminaires for central battery systems **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 1.5W LED-bar



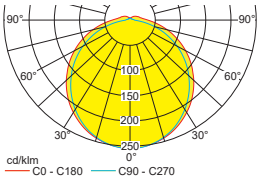
Luminous flux emergency / mains: 190lm

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	7.60	8.00	8.30	8.40	8.40	8.40	8.20	7.90
b	2.90	3.00	3.00	2.90	2.70	2.40	1.90	1.10
c	8.00	8.40	8.60	8.70	8.80	8.70	8.50	8.10
d	3.00	3.10	3.10	3.00	2.80	2.40	2.00	1.10

Luminaires for central battery systems **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar



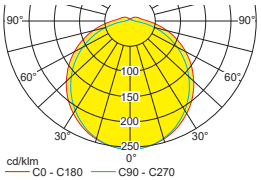
Luminous flux emergency / mains: 350lm

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	9.30	9.90	10.40	10.80	11.10	11.30	11.40	11.50	11.40	11.30	11.10	10.80
b	3.70	3.90	4.00	4.00	4.00	4.00	3.90	3.70	3.40	3.10	2.60	1.80
c	9.80	10.40	10.90	11.30	11.60	11.70	11.90	11.90	11.80	11.70	11.50	11.20
d	3.90	4.00	4.10	4.20	4.20	4.10	4.00	3.80	3.50	3.10	2.60	1.80

Luminaires for central battery systems **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



Luminous flux emergency / mains: 600lm

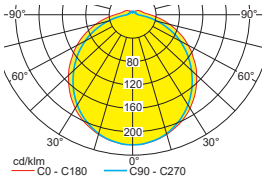
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
a	10.50	11.30	11.90	12.40	12.90	13.20	13.50	13.70	13.90	13.90	14.00	13.90	13.80	13.60	13.40	13.00
b	4.20	4.50	4.70	4.80	4.90	4.90	4.90	4.90	4.80	4.60	4.40	4.10	3.80	3.30	2.70	1.70
c	11.10	11.90	12.50	13.10	13.50	13.80	14.10	14.30	14.40	14.50	14.50	14.40	14.30	14.10	13.80	13.40
d	4.40	4.70	4.90	5.00	5.10	5.10	5.10	5.10	5.00	4.80	4.60	4.30	3.90	3.40	2.80	1.80

Luminaires for central battery systems **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 10W LED-bar

Luminous flux emergency / mains: 1050lm



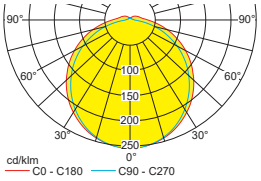
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
a	12.30	13.30	14.20	14.90	15.60	16.10	16.60	17.10	17.40	17.70	18.00	18.20	18.30	18.40	18.50	18.50
b	5.00	5.40	5.70	5.90	6.10	6.30	6.40	6.50	6.50	6.50	6.50	6.40	6.30	6.20	6.00	5.80
c	13.20	14.20	15.10	15.80	16.40	17.00	17.50	17.90	18.20	18.50	18.80	19.00	19.10	19.20	19.20	19.20
d	5.30	5.70	6.00	6.20	6.40	6.60	6.70	6.70	6.80	6.80	6.70	6.70	6.60	6.40	6.20	6.00

Self contained luminaires **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 1.5W LED-bar

Luminous flux emergency / mains: 190lm/190lm – **Battery duration: 1h**



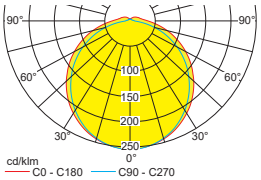
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	7.60	8.00	8.30	8.40	8.40	8.40	8.20	7.90
b	2.90	3.00	3.00	2.90	2.70	2.40	1.90	1.10
c	8.00	8.40	8.60	8.70	8.80	8.70	8.50	8.10
d	3.00	3.10	3.10	3.00	2.80	2.40	2.00	1.10

Self contained luminaires **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar

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



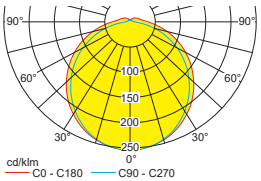
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	9.30	9.90	10.40	10.80	11.10	11.30	11.40	11.50	11.40	11.30	11.10	10.80
b	3.70	3.90	4.00	4.00	4.00	4.00	3.90	3.70	3.40	3.10	2.60	1.80
c	9.80	10.40	10.90	11.30	11.60	11.70	11.90	11.90	11.80	11.70	11.50	11.20
d	3.90	4.00	4.10	4.20	4.20	4.10	4.00	3.80	3.50	3.10	2.60	1.80

Self contained luminaires **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar

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



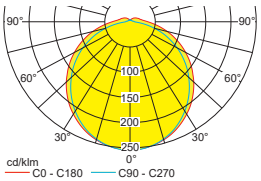
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
a	10.40	11.10	11.80	12.30	12.70	13.10	13.30	13.50	13.70	13.70	13.70	13.70	13.50	13.30	13.00	12.70
b	4.20	4.40	4.60	4.70	4.80	4.90	4.80	4.80	4.70	4.50	4.30	4.00	3.60	3.10	2.40	1.20
c	11.00	11.80	12.40	12.90	13.30	13.60	13.90	14.10	14.20	14.30	14.20	14.20	14.00	13.80	13.50	13.10
d	4.40	4.60	4.80	4.90	5.00	5.00	5.00	5.00	4.80	4.70	4.40	4.10	3.70	3.20	2.50	1.20

Self contained luminaires **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 1.5W LED-bar

Luminous flux emergency / mains: 190lm/190lm – **Battery duration: 3h**



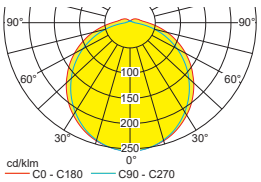
h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	7.60	8.00	8.30	8.40	8.40	8.40	8.20	7.90
b	2.90	3.00	3.00	2.90	2.70	2.40	1.90	1.10
c	8.00	8.40	8.60	8.70	8.80	8.70	8.50	8.10
d	3.00	3.10	3.10	3.00	2.80	2.40	2.00	1.10

Self contained luminaires **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 3W LED-bar

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

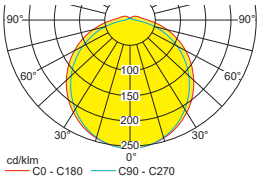


h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
a	9.30	9.90	10.40	10.80	11.10	11.30	11.40	11.50	11.40	11.30	11.10	10.80
b	3.70	3.90	4.00	4.00	4.00	4.00	3.90	3.70	3.40	3.10	2.60	1.80
c	9.80	10.40	10.90	11.30	11.60	11.70	11.90	11.90	11.80	11.70	11.50	11.20
d	3.90	4.00	4.10	4.20	4.20	4.10	4.00	3.80	3.50	3.10	2.60	1.80

Self contained luminaires **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 6W LED-bar



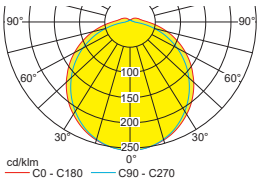
Luminous flux emergency / mains: 580lm/580lm – **Battery duration: 3h**

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	9.00	9.50	10.00
a	10.40	11.10	11.80	12.30	12.70	13.10	13.30	13.50	13.70	13.70	13.70	13.70	13.50	13.30	13.00	12.70
b	4.20	4.40	4.60	4.70	4.80	4.90	4.80	4.80	4.70	4.50	4.30	4.00	3.60	3.10	2.40	1.20
c	11.00	11.80	12.40	12.90	13.30	13.60	13.90	14.10	14.20	14.30	14.20	14.20	14.00	13.80	13.50	13.10
d	4.40	4.60	4.80	4.90	5.00	5.00	5.00	5.00	4.80	4.70	4.40	4.10	3.70	3.20	2.50	1.20

Self contained luminaires **Wide area illumination**

Distance table for plane emergency routes / distance data in meters

Illuminant: 1.5W LED-bar



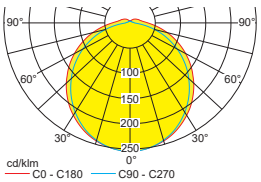
Luminous flux emergency / mains: 190lm/190lm – **Battery duration: 8h**

h	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
a	7.60	8.00	8.30	8.40	8.40	8.40	8.20	7.90
b	2.90	3.00	3.00	2.90	2.70	2.40	1.90	1.10
c	8.00	8.40	8.60	8.70	8.80	8.70	8.50	8.10
d	3.00	3.10	3.10	3.00	2.80	2.40	2.00	1.10

Self contained luminaires **Wide area illumination**

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	6.50	7.00	7.50
a	8.60	9.20	9.60	9.90	10.10	10.20	10.20	10.10	10.00	9.70	9.40
b	3.40	3.50	3.60	3.60	3.50	3.40	3.20	2.90	2.50	1.90	0.60
c	9.10	9.60	10.00	10.30	10.50	10.60	10.60	10.50	10.30	10.00	9.70
d	3.50	3.70	3.70	3.70	3.70	3.50	3.30	3.00	2.60	1.90	0.60