

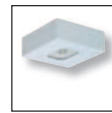
Emergency Lighting

CATALOGUE

**EXIT SIGN &
EMERGENCY LUMINAIRES**



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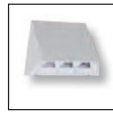
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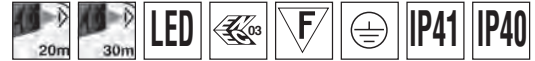
Pluraluce

Exit sign luminaire designed as shallow frame display. Integrated LED and light guide panel provides optimised luminance levels according to EN 1838 (> 500 cd/m²). Single or double face exit signs available, may be changed without tools. Quick fix system for easy mounting and installation.

Versions available: wall surface and recessed (single face), ceiling surface and recessed, pendant and bracket suspension (double face)

Special features:

- High efficiency technology for optimised light output ratio and energy consumption
- Low power consumption during emergency operation reduce battery capacity required
- Long lamp life minimise maintenance cost
- Light output can be reduced for applications requiring minimal optical disturbance, e. g. cinemas
- Versions with 2 different visibility distances available



Technical data

Mounting and installation:

wall surface and recessed, ceiling surface and recessed, pendant and bracket suspension

Body:

Sheet steel, grey (RAL 7035) wall mounted version

Polycarbonate, grey (RAL 7035) ceiling mounted and suspended versions

Frame:

Aluminium anodised

Film:

Methacrylate printed

Protection:

IP40 (wall)

IP41 (ceiling, pendant, bracket)

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

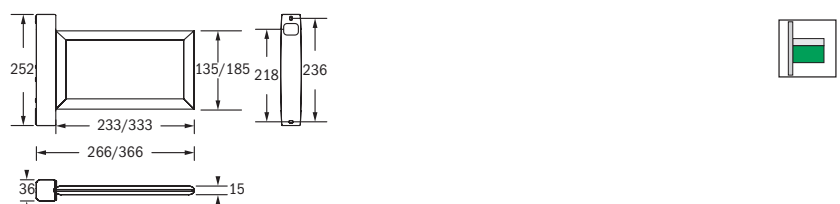
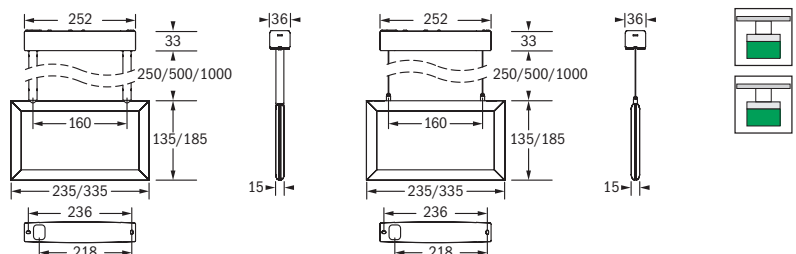
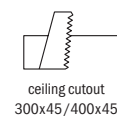
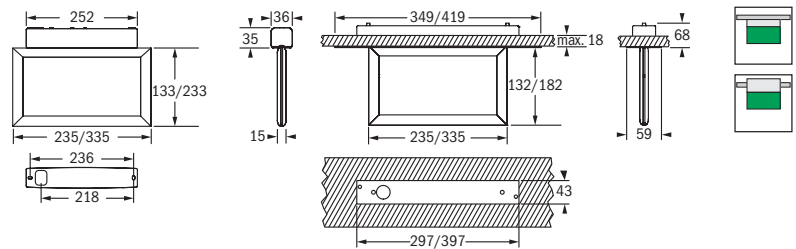
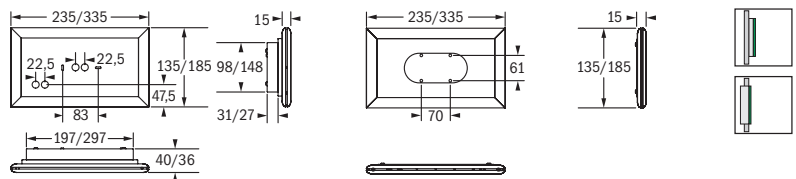
198V–254V/50Hz

Battery supply:

176V–254V

Ambient temperature:

-20 to +40°C (LED)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (Battery mode)	Self- test	Auto- test	Central- test	Central- test FM
Wall mounted / recessed (single face escape route lighting) ¹										
NB16707	LED 1,0W (16)	1h/3h	NiCd	7,2V	0,75Ah	96lm / 30lm	x			
NB16709	LED 1,0W (16)	1h/3h	NiCd	7,2V	0,75Ah	96lm / 30lm		x	x	
NB16711	LED 1,0W (16)	1h/3h	NiCd	7,2V	0,75Ah	96lm / 30lm				x
NB16706	LED 2,1W (32)	1h/3h	NiCd	7,2V	0,75Ah	144lm / 48lm	x			
NB16708	LED 2,1W (32)	1h/3h	NiCd	7,2V	0,75Ah	144lm / 48lm		x	x	
NB16710	LED 2,1W (32)	1h/3h	NiCd	7,2V	0,75Ah	144lm / 48lm				x
Ceiling surface / recessed mounted, pendant and bracket mounting (double face escape route lighting) ²										
NB16701	LED 1,6W (24)	1h/3h	NiMH	7,2V	0,60Ah	135lm / 45lm	x			
NB16703	LED 1,6W (24)	1h/3h	NiMH	7,2V	0,60Ah	135lm / 45lm		x	x	
NB16705	LED 1,6W (24)	1h/3h	NiMH	7,2V	0,60Ah	135lm / 45lm				x
NB16700	LED 3,2W (48)	1h/3h	NiMH	7,2V	0,60Ah	204lm / 67lm	x			
NB16702	LED 3,2W (48)	1h/3h	NiMH	7,2V	0,60Ah	204lm / 67lm		x	x	
NB16704	LED 3,2W (48)	1h/3h	NiMH	7,2V	0,60Ah	204lm / 67lm				x

¹ Recessed wall mounting requires installation box for solid walls or hollow walls e.g. Kaiser Elektro two gang box order no. 1656-02 or 9062-02 (to be sourced locally). Information available from www.kaiser-elektro.de.

² For surface mounted and all suspended versions please order required accessories separately.



Central supply

Order code	Lamp	Power consumption		Ballast lumen (Battery mode)		
		AC	DC	EVG	Sleb	Alog
Wall mounted / recessed (single face escape route lighting) ¹						
TB16723	LED 1,0W (16)	4,5VA	2,1W	96lm		
TB16729	LED 1,0W (16)	4,5VA	3,1W	96lm		
TB16731	LED 1,0W (16)	4,5VA	3,1W	96lm		
TB16722	LED 2,1W (32)	6,0VA	3,5W	144lm		
TB16728	LED 2,1W (32)	6,0VA	4,5W	144lm		
TB16730	LED 2,1W (32)	6,0VA	4,5W	144lm		
Ceiling surface / recessed mounted, pendant and bracket mounting (double face escape route lighting) ²						
TB16713	LED 1,6W (24)	5,0VA	2,8W	192lm		
TB16719	LED 1,6W (24)	5,0VA	3,8W	192lm		
TB16721	LED 1,6W (24)	5,0VA	3,8W	192lm		
TB16712	LED 3,2W (48)	7,0VA	5,4W	288lm		
TB16718	LED 3,2W (48)	7,0VA	6,4W	288lm		
TB16720	LED 3,2W (48)	7,0VA	6,4W	288lm		








¹ Recessed wall mounting requires installation box for solid walls or hollow walls e.g. Kaiser Elektro two gang box order no. 1656-02 or 9062-02 (to be sourced locally). Information available from www.kaiser-elektro.de.

² For surface mounted and all suspended versions please order required accessories separately.

Fitting supplied complete with

Order code	Description	
20m	30m	
E16770	E16779	Kit of exit sign films (single face) 
E16771	E16780	Kit of exit sign films (double face) 

Accessories to be ordered separately

Order code	Description	
20m	30m	
FB19384	FB19386	Kit for recessed ceiling mounting
FB19380	FB19380	Pendant rod 250mm
FB19381	FB19381	Pendant rod 500mm
FB19382	FB19382	Pendant rod 1000mm
FB19383	FB19383	Wire suspension 2000mm
FB19385	FB19387	Concrete ceiling box (recessed ceiling mounting)
E16772	E16781	Exit sign film 
E16773	E16782	Exit sign film 
E16774	E16783	Exit sign film 
E16775	E16784	Exit sign film 
E16776	E16785	Exit sign film 
E16777	E16786	Exit sign film 
E16778	E16787	Exit sign film 



Pluraluce

Emergency luminaire in shallow design with high power LED, integrated reflector and special optical system as double lens for asymmetric light distribution (illumination of escape route) or single lens for symmetric light distribution (illumination of areas), changeable for low (up to 3 mtrs) or high (up to 7 mtrs) mounting level. Quick fix system for easy mounting and installation.

Versions available: surface/recessed wall mounting, surface/recessed ceiling mounting

Special features:

- High efficiency technology to optimise the light output ratio and power consumption
- Reduced number of luminaires based on extremely long distance between luminaires (~ 22m for h = 3,5m)
- Reduced battery capacity by low power consumption in DC mode
- Minimised maintenance costs based on a long lamp life
- Light output can be reduced for applications requiring minimal optical disturbance, e.g. cinemas



Technical data

Mounting and installation:

surface/recessed wall mounting, surface/recessed ceiling mounting

Body:

Sheet steel (surface wall/ceiling mounting – self contained)
Aluminium (surface wall/ceiling mounting – for central power supply)
Sheet steel/Aluminium (recessed wall/ceiling mounting)

Cover:

Polycarbonate white (RAL 9010)¹

Protection:

IP42 (surface wall/ceiling mounting)
IP43 (recessed wall/ceiling mounting)

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:
198V–254V/50Hz
Ambient temperature:
0 to +40°C

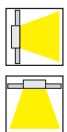
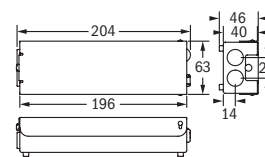
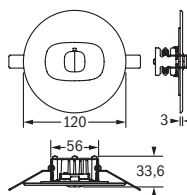
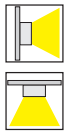
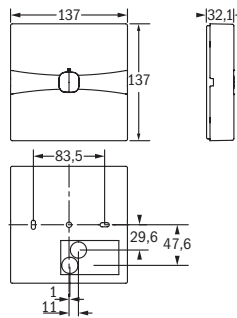
Specification:
Maintained or
non maintained mode

Central supply

Mains supply:
198V–254V/50Hz
Battery supply:
176V–254V

Ambient temperature:
-20 to +40°C (LED)

¹ Cover in other colours on request



ceiling cutout
Ø80

Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (Battery mode)	Self- test	Auto- test	Central- test	Central- test FM
Ceiling mounted suitable for escape route lighting										
NB16733	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm	x			
NB16735	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm		x	x	
NB16737	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm				x
Surface ceiling mounted for illumination of areas with 2 changeable lenses										
NB16732	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm	x			
NB16734	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm		x	x	
NB16736	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm				x
Recessed ceiling mounted for exit route lighting ¹										
NB16749	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm	x			
NB16751	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm		x	x	
NB16753	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm				x
Recessed ceiling mounted for illumination of areas with 2 changeable lenses ¹										
NB16748	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm	x			
NB16750	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm		x	x	
NB16752	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm				x

¹ For concrete recessed mounting optional installation box is required, e. g. brand Spotbox, article no. 300003.

Central supply

Order code	Lamp	Power consumption		Ballast lumen (battery mode)		
		AC	DC	EVG	Sleb	Alog
Ceiling mounted suitable for escape route lighting						
TB16739	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16745	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16747	LED 1 x 2,4W	6,0VA	6,0W			180lm
Surface ceiling mounted for illumination of areas with 2 changeable lenses						
TB16738	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16744	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16746	LED 1 x 2,4W	6,0VA	6,0W			180lm
Recessed ceiling mounted for exit route lighting ¹						
TB16755	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16761	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16763	LED 1 x 2,4W	6,0VA	6,0W			180lm
Recessed ceiling mounted for illumination of areas with 2 changeable lenses ¹						
TB16754	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16760	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16762	LED 1 x 2,4W	6,0VA	6,0W			180lm

¹ For concrete recessed mounting optional installation box is required, e. g. brand Spotbox, article no. 85100.

Accessories to be ordered separately

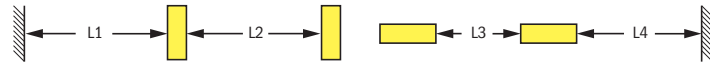
Order code	Description
F95802	Lens for surface/recessed wall mounting

8 Lighting data

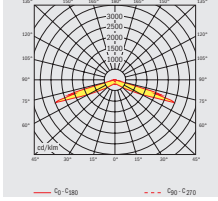
Type of lamp Light distribution diagram

Mounting height (m)

Luminaire distance (m)

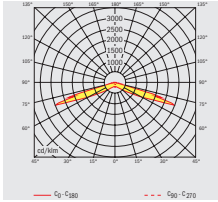


NB16733
NB16749
Duration
1h



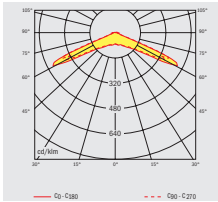
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	7,7	-	16,8	-	3,2	-	1,1	-
3,0	8,2	-	19,1	-	3,1	-	1,0	-
3,5	9,1	-	21,7	-	3,1	-	0,9	-
4,0	7,5	-	22,8	-	3,1	-	0,8	-
4,5	0,6	-	16,5	-	2,9	-	0,5	-
5,0	-	-	-	-	-	-	-	-

NB16733
NB16749
Duration
3h



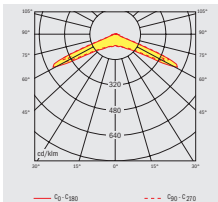
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	7,7	8,1	16,6	17,0	3,0	4,3	1,0	1,4
3,0	8,2	9,2	18,9	20,2	-	4,2	-	1,5
3,5	9,1	10,7	21,5	23,3	-	4,1	-	1,4
4,0	4,9	11,0	20,4	25,4	-	4,1	-	1,3
4,5	-	12,3	-	28,1	-	4,1	-	1,3
5,0	-	13,0	-	30,6	-	4,1	-	1,3

NB16732
NB16748
Duration
1h
Wide beam
distribution



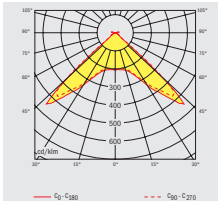
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	-	4,5	-	9,6	-	9,9	-	4,7
3,0	-	5,4	-	11,7	-	12,0	-	5,6
3,5	-	6,2	-	13,8	-	14,0	-	5,6
4,0	-	6,6	-	15,6	-	14,5	-	4,0
4,5	-	3,1	-	13,7	-	13,4	-	2,9
5,0	-	1,5	-	12,8	-	13,4	-	1,3

NB16732
NB16748
Duration
3h
Wide beam
distribution



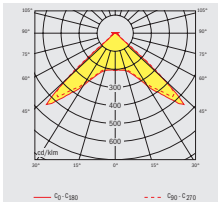
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
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3,0	-	3,1	-	11,5	-	10,9	-	2,8
3,5	-	1,4	-	10,6	-	10,9	-	1,7
4,0	-	-	-	-	-	-	-	-
4,5	-	-	-	-	-	-	-	-
5,0	-	-	-	-	-	-	-	-

NB16732
NB16748
Duration
1h
Narrow beam
distribution



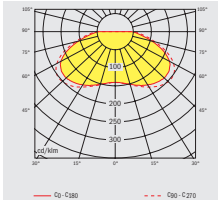
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	-	2,9	-	5,9	-	6,0	-	2,9
3,0	-	3,3	-	7,0	-	7,2	-	3,4
3,5	-	3,9	-	8,0	-	8,2	-	4,0
4,0	-	4,4	-	9,1	-	9,3	-	4,4
4,5	-	4,8	-	10,1	-	10,4	-	5,0
5,0	-	5,4	-	11,2	-	11,5	-	5,4
6,0	-	6,2	-	13,2	-	13,5	-	6,2
7,0	-	7,0	-	15,1	-	15,4	-	6,8
7,5	-	1,7	-	16,0	-	11,3	-	1,1

NB16732
NB16748
Duration
3h
Narrow beam
distribution



Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	2,7	2,8	5,7	5,7	5,8	5,9	2,8	2,9
3,0	3,2	3,3	6,7	6,8	6,9	7,0	3,2	3,3
3,5	3,6	3,7	7,7	7,9	7,9	8,1	3,6	3,9
4,0	4,0	4,3	8,6	8,9	8,8	9,2	3,9	4,3
4,5	-	4,6	-	10,0	-	10,2	-	4,8
5,0	-	5,2	-	11,0	-	11,2	-	5,2
6,0	-	1,9	-	12,8	-	-	-	-
7,0	-	-	-	-	-	-	-	-
7,5	-	-	-	-	-	-	-	-

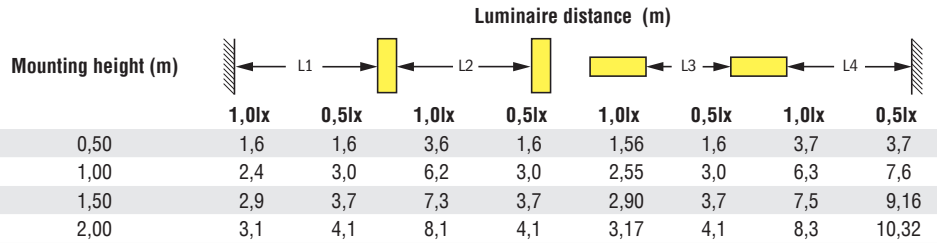
NB16733
NB16749
Duration
1h
Wall mounting



Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
0,50	-	-	-	-	1,6	-	3,7	-
1,00	-	-	-	-	2,6	-	6,3	-
1,50	-	-	-	-	3,0	-	7,5	-
2,00	-	-	-	-	3,3	-	8,3	-

Lighting data

Type of lamp Light distribution diagram



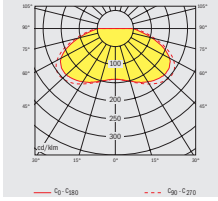
NB16733

NB16749

Duration

3h

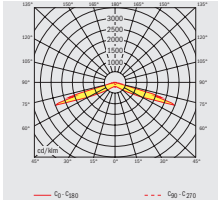
Wall mounting



Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
0,50	1,6	1,6	3,6	1,6	1,56	1,6	3,7	3,7
1,00	2,4	3,0	6,2	3,0	2,55	3,0	6,3	7,6
1,50	2,9	3,7	7,3	3,7	2,90	3,7	7,5	9,16
2,00	3,1	4,1	8,1	4,1	3,17	4,1	8,3	10,32

TB16739

TB16755

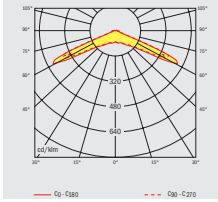


2,5	7,7	-	16,8	-	3,2	-	1,1	-
3,0	8,2	-	19,1	-	3,1	-	1,0	-
3,5	9,1	-	21,7	-	3,1	-	0,9	-
4,0	7,5	-	22,8	-	3,1	-	0,8	-
4,5	0,6	-	16,5	-	2,9	-	0,5	-
5,0	-	-	-	-	-	-	-	-

TB16738

TB16754

Wide beam distribution

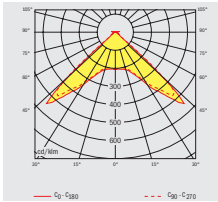


2,5	-	5,4	-	11,7	-	12,0	-	5,6
3,0	-	6,2	-	13,8	-	14,0	-	5,6
3,5	-	6,6	-	15,6	-	14,5	-	4,0
4,0	-	3,1	-	13,7	-	13,4	-	2,9
4,5	-	1,5	-	12,8	-	13,4	-	1,3
5,0	-	-	-	-	-	-	-	-

TB16738

TB16754

Narrow beam distribution

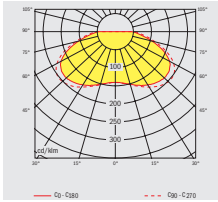


2,5	-	2,9	-	5,9	-	6,0	-	2,9
3,0	-	3,3	-	7,0	-	7,2	-	3,4
3,5	-	3,9	-	8,0	-	8,2	-	4,0
4,0	-	4,4	-	9,1	-	9,3	-	4,4
4,5	-	4,8	-	10,1	-	10,4	-	5,0
5,0	-	5,4	-	11,2	-	11,5	-	5,4
6,0	-	6,2	-	13,2	-	13,5	-	6,2
7,0	-	7,0	-	15,1	-	15,4	-	6,8
7,5	-	1,7	-	16,0	-	11,3	-	1,1

TB16739

TB16755

Wall mounting



0,50	1,6	1,6	3,6	1,6	1,56	1,6	3,7	3,7
1,00	2,4	3,0	6,2	3,0	2,55	3,0	6,3	7,6
1,50	2,9	3,7	7,3	3,7	2,90	3,7	7,5	9,16
2,00	3,1	4,1	8,1	4,1	3,17	4,1	8,3	10,32

Pluraluce-Modul



Conversion kit for general lighting fittings without amending the internal wiring. Module with high power LED and integral reflector and special optical lens system either asymmetrical light distribution (escape route lighting) or symmetrical light distribution (area lighting). Lenses for low ceiling heights (up to 3 mtrs) or high ceilings (up to 7 mtrs). Quick fix system enables easy mounting and installation with fixing clip (to be fixed on the lamp) or single screw connection (to be fixed e. g. on the reflector). Versions available: To be supplied as conversion kit with 3 lenses.

Special features:

- High efficiency technology for optimised light output ratio and energy consumption
- Extraordinary long distance between luminaires minimise number required (e. g. 22 mtrs distance at 3,5 mtrs ceiling height)
- Low power consumption during emergency operation reduce battery capacity required
- Long lamp life minimise maintenance cost
- Light output can be reduced for applications requiring minimal optical disturbance, e. g. cinemas
- Easy and quick conversion of existing general lighting luminaires



Technical data

Mounting and installation:

To be fixed and connected to general lighting fittings

Body:

Aluminium white painted (RAL 9010)

Cover:

Polycarbonate white (RAL 9010)

Protection:

IP40 (LED module)

IP20 (electronics module / battery box)

Terminals:

Push wire terminals 1,5 mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

-20 to +40°C (Electronics module)

-5 to +45°C (Battery box)

Specification:

Maintained or non maintained mode

Central supply

Mains supply:

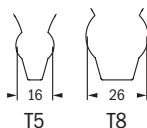
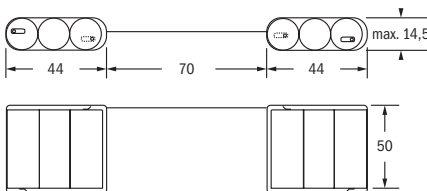
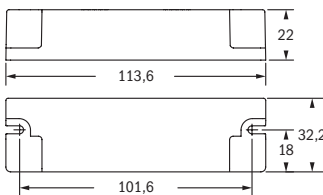
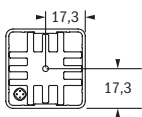
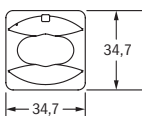
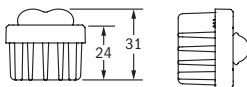
198V–254V/50Hz

Battery supply:

176V–254V

Ambient temperature:

-20 to +40°C (LED)



Self contained



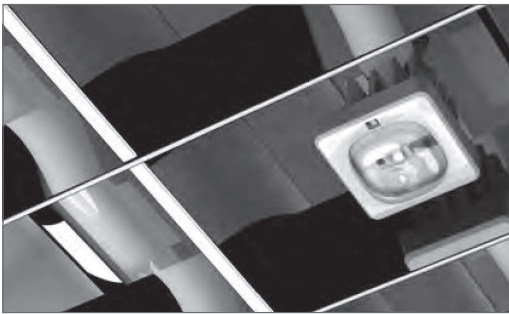
Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (Battery mode)	Self-test	Auto-test	Central-test	Central-test FM
Escape route or area lighting with 3 changeable lenses										
NB16769	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm	x			
NB19342	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm		x	x	
NB19343	LED 1 x 2,4W	1h/3h	NiMH	7,2V	1,2Ah	180lm/117lm				x

Central supply



Order code	Lamp	Power consumption		Ballast lumen (Battery mode)		
		AC	DC	EVG	Sleb	Alog
Escape route or area lighting with 3 changeable lenses						
TB16764	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16767	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16768	LED 1 x 2,4W	6,0VA	6,0W			180lm

Lighting data: see Pluraluce page 8/9



Pluraluce65

Emergency luminaire with shallow design with high power LED and integral reflector and special optical lens system either asymmetrical light distribution (escape route lighting) or symmetrical light distribution (area lighting).

Versions available: Luminaire for surface ceiling or recessed ceiling mounting. Body made of sheet steel or stainless steel

Special features:

- High efficiency technology for optimised light output ratio and energy consumption
- Extraordinary long distance between luminaires minimise number required (e. g. 22 mtrs distance at 3,5 mtrs ceiling height)
- Low power consumption during emergency operation reduce battery capacity required
- Long lamp life minimise maintenance cost
- Very robust design – also suitable for outdoor applications



Technical data

Mounting and installation:

Luminaire for surface ceiling or recessed ceiling mounting

Body:

Sheet steel white painted (RAL 9003)

Stainless steel (V2A)

Cover:

Clear methacrylate

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Central supply

Mains supply:

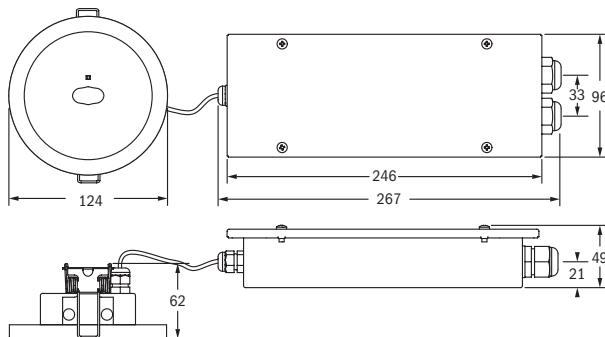
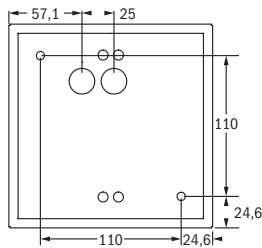
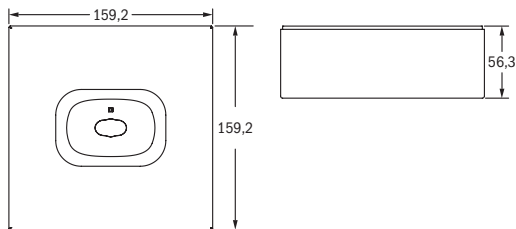
198V–254V/50Hz

Battery supply:

176V–254 V

Ambient temperature:

-20 to +40°C (LED)



ceiling cutout
Ø100

Order code	Lamp	Power consumption		Ballast lumen (Battery mode)		
		AC	DC	EVG	Sleb	Alog
Ceiling mounted suitable for escape route lighting						
TB16739-IP65	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16745-IP65	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16747-IP65	LED 1 x 2,4W	6,0VA	6,0W			180lm
Ceiling mounted suitable for area lighting						
TB16738-IP65	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16744-IP65	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16746-IP65	LED 1 x 2,4W	6,0VA	6,0W			180lm
Ceiling recessed mounted for exit route lighting						
TB16713-IP65	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16719-IP65	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16721-IP65	LED 1 x 2,4W	6,0VA	6,0W			180lm
Ceiling recessed mounted for area lighting						
TB16712-IP65	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16718-IP65	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16720-IP65	LED 1 x 2,4W	6,0VA	6,0W			180lm
Ceiling mounted suitable for escape route lighting						
TB16739-IP65 V2A	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16745-IP65 V2A	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16747-IP65 V2A	LED 1 x 2,4W	6,0VA	6,0W			180lm
Ceiling mounted suitable for area lighting						
TB16738-IP65 V2A	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16744-IP65 V2A	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16746-IP65 V2A	LED 1 x 2,4W	6,0VA	6,0W			180lm
Ceiling recessed mounted for exit route lighting						
TB16755-IP65 V2A	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16761-IP65 V2A	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16763-IP65 V2A	LED 1 x 2,4W	6,0VA	6,0W			180lm
Ceiling recessed mounted for area lighting						
TB16754-IP65 V2A	LED 1 x 2,4W	6,0VA	5,0W	180lm		
TB16760-IP65 V2A	LED 1 x 2,4W	6,0VA	6,0W		180lm	
TB16762-IP65 V2A	LED 1 x 2,4W	6,0VA	6,0W			180lm



Dispos

Exit sign luminaire with display pane. Rectangular body with all sided posted line (surface mounted version only). Single or double face exit signs available.

Versions available: wall mounted (single face), ceiling surface mounted or recessed mounted, pendant rods or bracket suspension (double face)

Special features:

- Functional design
- Long lamp life minimise maintenance cost (LED)
- Versions with 2 different visibility distances available



Technical data

Mounting and installation:

Luminaire for surface or recessed ceiling or wall mounting, pendant rod or bracket suspension

Body:

Aluminium, white (RAL 9003)

Zinc plated steel (recessed version only)

Cover:

Sheet steel white painted (RAL 9003) (recessed version only)

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or non maintained mode

Accessories: Self contained

Accessories to be ordered separately		
Order code		Description
22m	30m	
E16260N	E16128N	Exit sign pane
E16261N	E16129N	Exit sign pane
E16262N	E16130N	Exit sign pane
F95209	F95209	Adaptor for pendant rod, bracket, chain / wire suspension ¹
F95600	F95600	Rectangular pendant, 250mm
F95601	F95601	Rectangular pendant, 500mm
F95602	F95602	Rectangular pendant, 1000mm
F95405	F95405	Wire suspension, max. 1200mm
F95211	F95211	Bracket
F95404	F95404	Pendant rod, 500mm
F95067	F95067	Adaptor for chain or wire suspension
F95220	F95221	Concrete ceiling box (recessed ceiling mounting)

¹ This adaptor is required in case of pendant, bracket or chains / wire suspension as an additional attachment to the suspension kit.

Central supply

Mains supply:

198V–254V/50Hz

Battery supply:

176V–254 V

Ambient temperature:

-20 to +40 °C (LED)

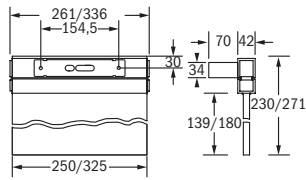
-10 to +40 °C (T5)

Accessories: Central supply

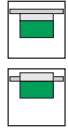
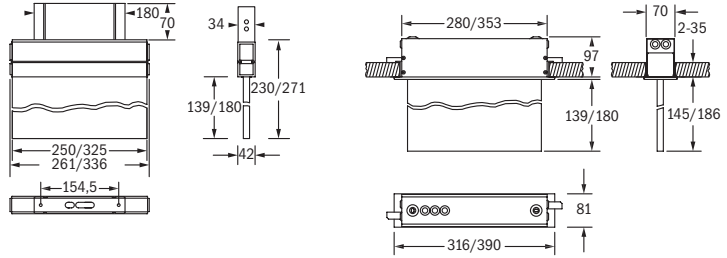
Accessories to be ordered separately		
Order code		Description
22m	30m	
E16260N	E16128N	Exit sign pane
E16261N	E16129N	Exit sign pane
E16262N	E16130N	Exit sign pane
F95600	F95600	Rectangular pendant, 250mm
F95601	F95601	Rectangular pendant, 500mm
F95602	F95602	Rectangular pendant, 1000mm
F95401	F95401	Wire suspension, max. 1200mm
F95207	F95208	Bracket
F95400	F95400	Pendant rod, 500mm
F95067	F95067	Adaptor for chain or wire suspension
F95220	F95221	Concrete ceiling box (recessed ceiling mounting)

Dimensional drawings: Self contained

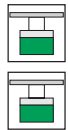
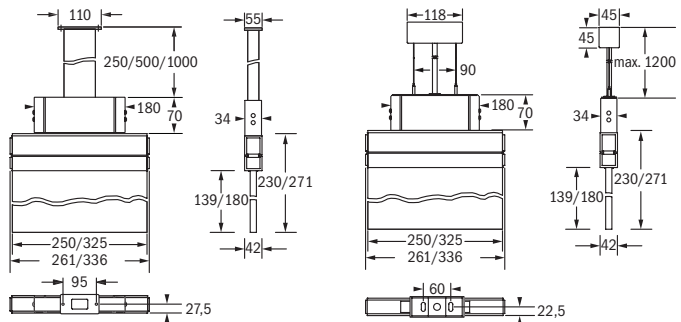
No mounting accessories required



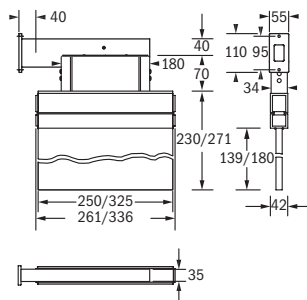
No mounting accessories required



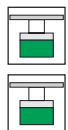
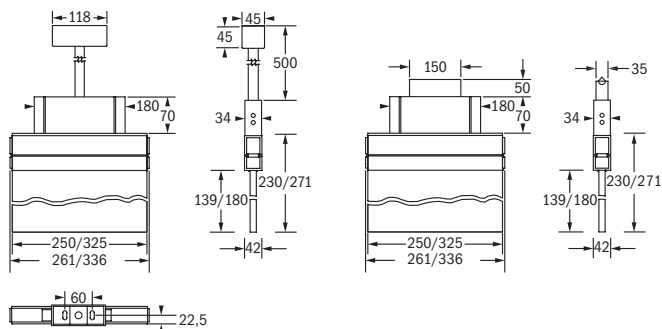
List of mounting accessories:
 F95209 + Rectangular pendant
 or
 F95209 + Wire suspension



List of mounting accessories:
 F95209 + Bracket

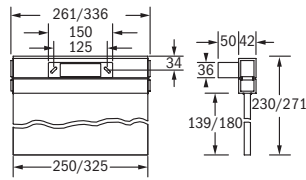


List of mounting accessories:
 F95209 + Pendant rod
 or
 F95209 + Adaptor for chain or wire suspension

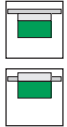
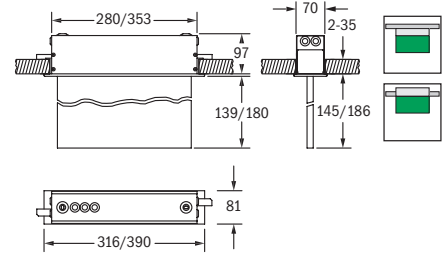
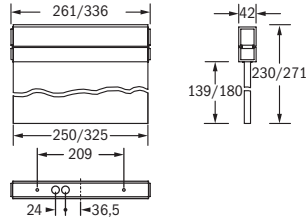


16 Dimensional drawings: Central supply

No mounting accessories required



No mounting accessories required

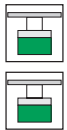
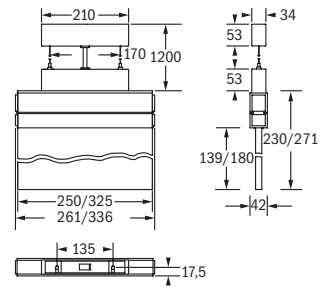
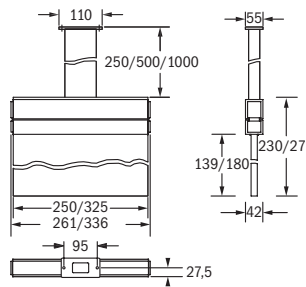


List of mounting accessories:

Rectangular pendant

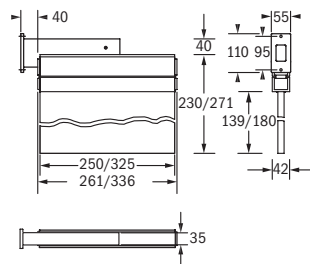
or

Wire suspension



List of mounting accessories:

Bracket

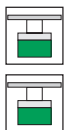
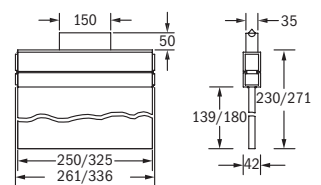
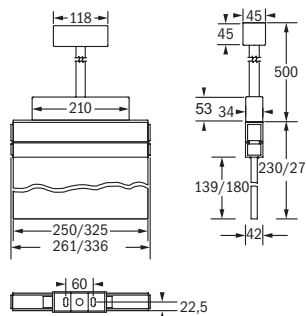


List of mounting accessories:

Pendant rod

or

Adaptor for chain or wire suspension



Self contained



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC)	Standard ¹	Auto-test	Central-test ²
						BLF			
Ceiling recessed mounted (double face escape route lighting)									
NM90215L	LED 3 x 1W	1h/3h	NiMH	7,2V	1,7Ah	300lm/178lm		x	x
NM90180L	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
NM90135L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NM90135	T5 6W	1h	NiCd	4,8V	1,2Ah	58%	x		
NM90136	T5 6W	3h	NiCd	4,8V	2,2Ah	44%	x		
NM90100L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NM90100	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NM90101	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
Wall mounted (single face escape route lighting)									
N90191L	LED 3 x 1W	1h/3h	NiMH	7,2V	1,7Ah	300lm/178lm		x	x
N90185L	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
N90111L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NB90111	T5 6W	1h	NiCd	4,8V	1,2Ah	58%	x		
NB90112	T5 6W	3h	NiCd	4,8V	2,2Ah	44%	x		
N90105L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90105	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90106	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
Ceiling surface mounted, pendant, chain and bracket mounting (double face escape route lighting) ³									
N90196L	LED 3 x 1W	1h/3h	NiMH	7,2V	1,7Ah	300lm/178lm		x	x
N90187L	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
N90116L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NB90116	T5 6W	1h	NiCd	4,8V	1,2Ah	58%	x		
NB90117	T5 6W	3h	NiCd	4,8V	2,2Ah	44%	x		
N90107L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90107	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90108	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately.

³ For surface mounted and all suspended versions please order required accessories separately.

Central supply



Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
Ceiling recessed mounted (double face escape route lighting)							
TM92181_1	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
TM92180_1	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92101_1	T5 6W	11,2VA	5,5W	100%	75%	75%	100%
TM92100_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Wall mounted (single face escape route lighting)							
T92188_1	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
T92190_1	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92108_1	T5 6W	11,2VA	5,5W	100%	75%	75%	100%
T92110_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Ceiling surface mounted (double face escape route lighting) ³							
T92204_1	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
T92201_1	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92120_1	T5 6W	11,2VA	5,5W	100%	75%	75%	100%
T92121_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Pendant, chain and bracket mounted (double face escape route lighting) ³							
T92189_1	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
T92191_1	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92109_1	T5 6W	11,2VA	5,5W	100%	75%	75%	100%
T92111_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB, Alog and NEA require an additional power consumption of 1,5 watts for emergency operation.

³ For surface mounted and all suspended versions please order required accessories separately.



Tula

Exit sign luminaire with shallow body in oval design. Diffuser pane(s) with rounded corners. Single or double face escape route signs with self adhesive films.

Versions available: wall mounted (single face), ceiling surface mounted, pendant rods or bracket suspension (double face)

Special features:

- Shallow Design
- Long lamp life minimise maintenance cost (LED)
- Versions with 2 different visibility distances available



Technical data

Mounting and installation:

Luminaire for surface or wall mounting, pendant rod or bracket suspension

Body:

Sheet steel white painted (RAL 9006)

Cover:

Opal polycarbonate

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Central supply

Mains supply:

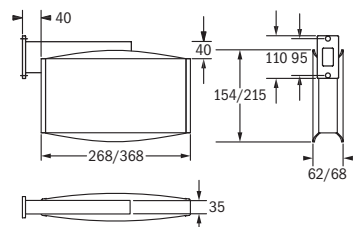
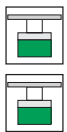
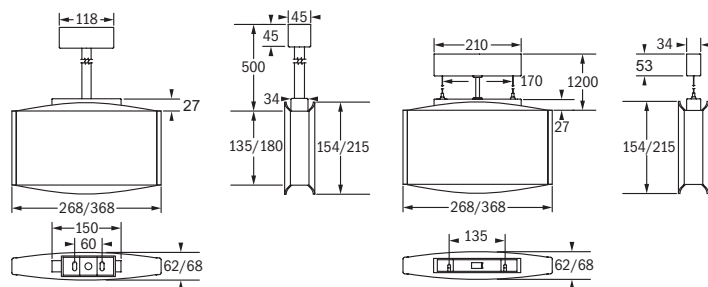
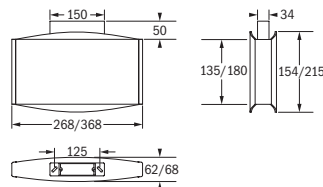
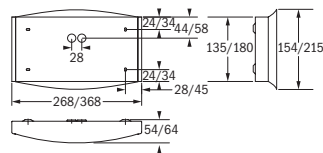
198V–254V/50Hz

Battery supply:

176V–254 V

Ambient temperature:

-20 to +40 °C (LED)



Order code	Lamp	Power consumption		Ballast lumen (Battery mode)			
		AC	DC ²	EVG	Sleb	Alog	NEA
Wall mounted (single face escape route lighting)							
T92800_1	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
T92802_1	LED 4 x 1W ⁴	12,2VA	5,7W	400lm	400lm	400lm	400lm
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ³							
T92801_1	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
T92803_1	LED 4 x 1W ⁴	12,2VA	5,7W	400lm	400lm	400lm	400lm

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB, Alog and NEA require an additional power consumption of 1,5 watts for emergency operation.

³ For surface mounted and all suspended versions please order required accessories separately.

⁴ Version Logica-NEA with monitoring module is equipped with LED 5 x 1 watt

Fitting supplied complete with		
Order code	Description	
23m	31m	
F15337NU	F15338NU	Exit sign film
F15337NR	F15338NR	Exit sign film
F15337NL	F15338NL	Exit sign film
E16625	E16626	Opal plastic pane

Accessories to be ordered separately	
Order code	Description
23m/31m	
F95109PK	Adaptor for ceiling mounting
F95109PS	Wire suspension, max. 1200mm
F95109P	Bracket
F95109PR	Pendant rod, 500mm

Maxima

Exit sign luminaire with functional design. Body with convex shape and clear diffuser. Additional downlighting provided by slots in the body.
 Versions available: wall mounted (single face), ceiling surface mounted, pendant rods, chains or bracket suspension (double face)

Special features:

- High protection grade
- Long lamp life minimise maintenance cost (LED)
- Easy mounting with quick fix system
- Versions for 8 hour duration available



Technical data

Mounting and installation:

Luminaire for surface or wall mounting, pendant rod, chain or bracket suspension

Body:

Polycarbonate, grey (RAL 7035)
 GRP grey (RAL 7035)

Pane:

Clear polycarbonate

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:
 198V–254V/50Hz

Ambient temperature:
 0 to +40°C

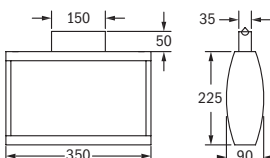
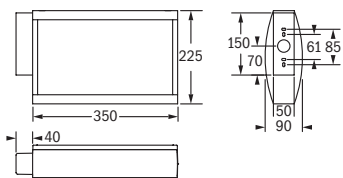
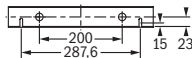
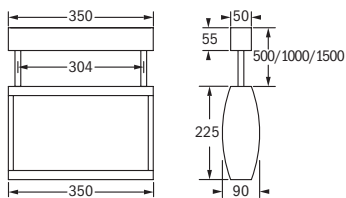
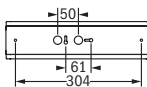
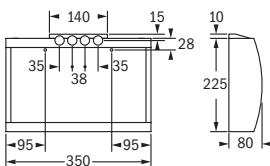
Specification:
 Maintained or
 non maintained mode

Central supply

Mains supply:
 198V–254V/50Hz

Battery supply:
 176V–254V

Ambient temperature:
 -20 to +40 °C (LED)
 -10 to +40 °C (T5)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC)	Standard ¹	Auto-test	Central-test ²
						BLF			
Wall mounted (single face escape route lighting)									
N90360L-LED	LED 2 x 1W	1h/3h	NiMH	7,2V	1,7Ah	120lm/70lm		x	x
N90360L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90360	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90361	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
N90364L-LED	LED 2 x 1W	8h	NiMH	7,2V	2,2Ah	78lm		x	x
Ceiling surface mounted, pendant, chain and bracket mounting (double face escape route lighting) ³									
N90362L-LED	LED 2 x 1W	1h/3h	NiMH	7,2V	1,7Ah	120lm/70lm		x	x
N90362L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90362	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90363	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
N90365L-LED	LED 2 x 1W	8h	NiMH	7,2V	2,2Ah	78lm		x	x

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately.

³ For all suspended versions please order required accessories separately.

Central supply


Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
Wall mounted (single face escape route lighting)							
T92360_1-LED	LED 2 x 1W	7,5VA	3,4W	120lm	120lm	120lm	120lm
T92360_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Ceiling surface mounted, pendant, chain and bracket mounting (double face escape route lighting) ³							
T92362_1-LED	LED 2 x 1W	7,5VA	3,4W	120lm	120lm	120lm	120lm
T92362_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB, Alog and NEA require an additional power consumption of 1,5 watts for emergency operation.

³ For all suspended versions please order required accessories separately.

Fitting supplied complete with

Order code	Description
33m	
FB16910	Kit of exit sign films 
F95505	Adaptor for ceiling mounting (double face escape route lighting)
F95506	Bracket (double face escape route lighting)

Accessories to be ordered separately

Order code	Description
33m	
F95700	Adaptor for ceiling mounting and visible conduits
F95510	Pendant rod, 500mm
F95511	Pendant rod, 1000mm
F95512	Pendant rod, 1500mm
FB3723	Adaptor for chain or wire suspension
F95032	Wire guard (wall mounted version)

Alu-K

Exit sign luminaire with shallow aluminium profiles and mitred corners. Exit sign panes may be changed. Wall mounted versions with slot in the body for downlighting. Versions available: Wall mounted (single face signs), surface mounted, pendant and bracket suspension (double face signs)

Special features:

- Functional design
- Long lamp life minimise maintenance cost (LED)
- Versions with 3 different visibility distances available
- Emergency luminaires in identical design also available



Technical data

Mounting and installation:
Luminaire for surface ceiling or wall mounting, pendant rod or bracket suspension

Body:
Aluminum anodised

Pane:
Methacrylate, printed

Terminals:
Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:
198V-254V/50Hz

Ambient temperature:
0 to +40°C

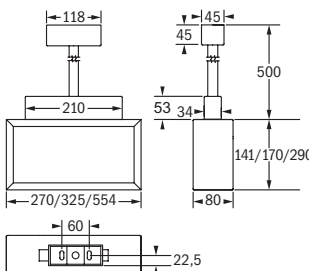
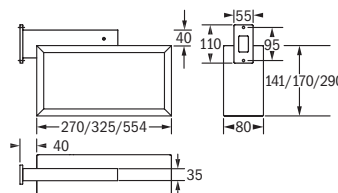
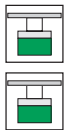
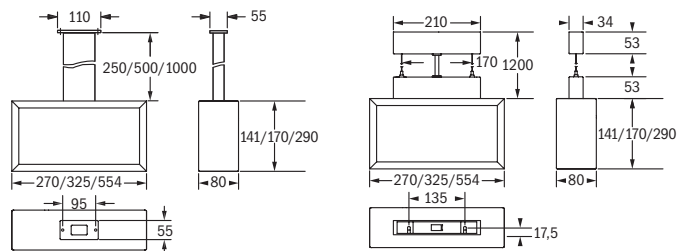
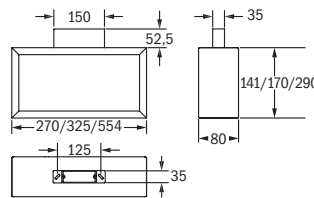
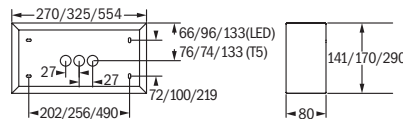
Specification:
Maintained or non maintained mode

Central supply

Mains supply:
198V-254V/50Hz

Battery supply:
176V-254 V

Ambient temperature:
-20 to +40 °C (LED)
-10 to +40 °C (T5)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC) BLF	Standard	Auto-test	Central-test ¹
Wall mounted (single face escape route lighting)									
N90920L-LED	LED 2 x 1W	1h/3h	NiMH	7,2V	1,7Ah	200lm/118lm		x	x
N90922L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
N90920L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
N90922L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
N90924L	T5 13W	1h/3h	NiMH	7,2V	1,7Ah	56%/24%		x	x
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ²									
N90921L-LED	LED 2 x 1W	1h/3h	NiMH	7,2V	1,7Ah	200lm/118lm		x	x
N90923L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
N90921L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
N90923L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
N90925L	T5 13W	1h/3h	NiMH	7,2V	1,7Ah	56%/24%		x	x

¹ For FM versions please order FM-module (FB16304) separately.

² For surface mounted and all suspended versions please order required accessories separately.

Central supply








Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF				
		AC	DC ²	EVG	Sleb	Alog	NEA	
Wall mounted (single face escape route lighting)								
T92920_1-LED	LED 3 x 1W		10,2VA	4,6W	300lm	300lm	300lm	300lm
T92922_1-LED	LED 5 x 1W		14,5VA	6,8W	500lm	500lm	500lm	500lm
T92924_1-LED	LED 10 x 1W		29,0VA	13,6W	1000lm	1000lm	1000lm	1000lm
T92920_1	T5 6W		11,2VA	5,5W	100%	75%	75%	100%
T92922_1	T5 8W		13,2VA	6,8W	100%	75%	75%	100%
T92924_1	T5 13W		19,8VA	11,2W	100%	75%	75%	100%
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ³								
T92921_1-LED	LED 3 x 1W		10,2VA	4,6W	300lm	300lm	300lm	300lm
T92923_1-LED	LED 5 x 1W		14,5VA	6,8W	500lm	500lm	500lm	500lm
T92925_1-LED	LED 10 x 1W		29,0VA	13,6W	1000lm	1000lm	1000lm	1000lm
T92921_1	T5 6W		11,2VA	5,5W	100%	75%	75%	100%
T92923_1	T5 8W		13,2VA	6,8W	100%	75%	75%	100%
T92925_1	T5 13W		19,8VA	11,2W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation

³ For surface mounted and all suspended versions please order required accessories separately.

Accessories to be ordered separately			
Order code			Description
23m	31m	53m	
E16710N	E16715N	E16720N	Exit sign pane 
E16711N	E16716N	E16721N	Exit sign pane 
E16712N	E16717N	E16722N	Exit sign pane 
E16713	E16718	E16723	Opal plastic pane 
E16714	E16719	E16724	Metal sheet painted in body colour 
F95717	F95717	F95717	Adaptor for ceiling mounting
F95718	F95718	F95718	Rectangular pendant, 250mm
F95719	F95719	F95719	Rectangular pendant, 500mm
F95720	F95720	F95720	Rectangular pendant, 1000mm
F95723	F95723	F95723	Wire suspension, max. 1200mm
F95714	F95721	F95729	Bracket
F95722	F95722	F95722	Pendant rod, 500mm
-	F95724	-	Wire guard (wall mounted version)



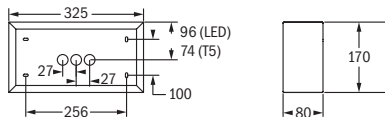
Alu-K

Emergency luminaire with shallow aluminium profiles and mitred corners. Light distribution control by specular aluminium reflector and diffuser with longitudinal prisms.

Versions available: Wall mounted, surface ceiling mounted

Special features:

- Functional design
- Long lamp life minimise maintenance cost (LED)
- Exit sign versions in identical design with 3 different visibility distances available



Technical data

Mounting and installation:

Luminaire for surface or wall mounting

Body:

Aluminum anodised

Pane:

Clear methacrylate with longitudinal prisms

Reflector:

Specular aluminium

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

Battery supply:

176V–254 V

Ambient temperature:

-20 to +40°C (LED)

-10 to +40°C (T5)

Self contained

Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	LOGICA SOLUTION		LOGICA SOLUTION fm	
						Ballast lumen (DC) BLF	Standard	Auto-test	Central-test ¹
N90926L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
N90926L	T5 8 W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x

¹ For FM versions please order FM-module (FB16304) separately.

Central supply

Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
T92926¹-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92926¹	T5 8 W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

Accessories to be ordered separately

Order code Description

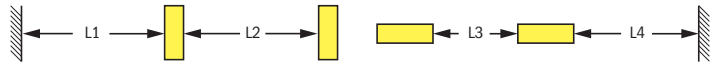
F95724 Wire guard

Lighting data

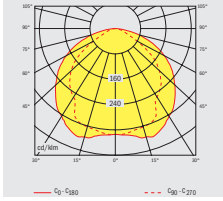
Type of lamp Light distribution diagram

Mounting height (m)

Luminaire distance (m)

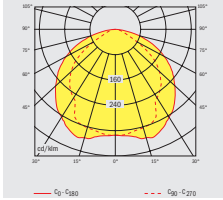


N90926L-LED
Duration
1h
T92926_-LED



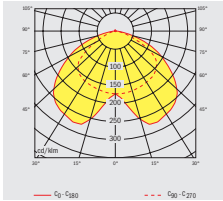
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
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3,0	5,2	6,3	12,9	15,4	10,2	11,4	4,3	4,9
3,5	5,4	6,7	13,8	16,6	11,1	12,6	4,6	5,5
4,0	5,5	7,1	14,5	17,6	12,0	13,7	4,8	5,8
4,5	5,9	7,4	15,1	18,6	12,6	14,7	5,1	6,3
5,0	5,9	7,6	15,6	19,4	13,3	15,7	5,3	6,5
6,0	6,1	8,2	16,4	20,8	14,3	17,3	5,3	7,1
7,0	6,0	8,6	17,0	21,9	14,8	18,7	5,2	7,4
7,5	6,0	8,6	17,1	22,5	15,0	19,3	5,0	7,4
8,0	6,0	8,5	17,3	22,9	15,1	19,8	5,0	7,7
9,0	5,6	8,6	17,4	23,6	15,1	20,5	4,6	7,5
10,0	4,8	8,6	17,3	24,1	14,7	21,0	4,2	7,2

N90926L-LED
Duration
3h



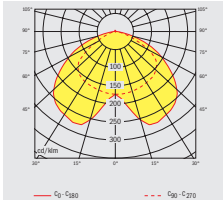
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3,5	4,1	5,7	11,6	14,3	9,7	11,3	4,0	4,9
4,0	4,7	6,1	12,1	15,1	10,4	12,3	4,1	5,2
4,5	4,6	6,1	12,5	15,8	10,9	13,1	4,1	5,5
5,0	4,8	6,3	12,9	16,5	11,2	13,8	4,1	5,5
6,0	4,5	6,6	13,2	17,5	11,6	15,0	3,9	5,7
7,0	4,2	6,7	13,4	18,2	11,6	15,8	3,5	5,8
7,5	4,0	6,5	13,3	18,4	11,4	16,1	3,3	5,6
8,0	3,5	6,4	13,2	18,6	11,1	16,2	2,9	5,6
9,0	-	6,3	-	18,8	-	-	-	-
10,0	-	5,7	-	18,9	-	-	-	-

N90926L
Duration
1h



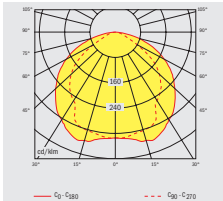
2,5	4,3	5,1	10,6	12,6	9,0	10,4	3,6	4,7
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3,5	4,8	6,0	12,2	14,9	10,6	12,6	4,0	5,3
4,0	4,9	6,4	12,9	15,8	11,2	13,5	4,0	5,7
4,5	5,1	6,6	13,4	16,6	11,5	14,3	4,2	5,9
5,0	5,2	6,8	13,8	17,3	11,8	15,0	4,0	5,9
6,0	5,2	7,1	14,5	18,5	11,8	16,0	3,3	6,0
7,0	4,7	7,2	14,9	19,5	11,4	16,6	2,1	5,7
7,5	4,3	7,5	15,0	19,9	10,9	16,7	0,8	5,4

N90926L
Duration
3h



2,5	3,2	4,0	8,2	10,0	7,1	8,5	2,6	3,7
3,0	3,3	4,2	8,7	10,8	7,5	9,3	2,5	3,8
3,5	3,4	4,4	9,2	11,5	7,7	10,0	2,4	3,9
4,0	3,2	4,6	9,5	12,1	7,6	10,4	2,0	3,8
4,5	3,1	4,8	9,6	12,5	7,4	10,7	1,5	3,6
5,0	-	4,8	-	12,9	-	10,8	-	3,4

T92926_



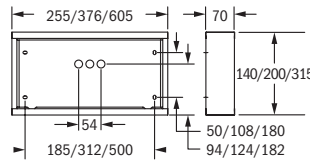
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4,5	5,3	6,9	13,8	17,0	11,9	14,6	4,3	6,2
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6,0	5,4	7,4	15,1	19,1	12,4	16,3	3,7	6,2
7,0	5,1	7,7	15,5	20,1	12,1	17,3	2,8	6,1
7,5	4,9	7,7	15,7	20,6	11,8	17,5	1,9	5,8

Kubus

Exit sign luminaire with shallow profiled sheet steel and shallow corners. Exit sign panes may be changed. Wall mounted versions with slot in the body for downlighting. Versions available: Wall mounted (single face signs), surface mounted, pendant, chain and bracket suspension (double face signs)

Special features:

- Long lamp life minimise maintenance cost (LED)
- Versions with 3 different visibility distances available
- Emergency luminaires in identical design also available



Technical data

Mounting and installation:

Luminaire for surface ceiling or wall mounting, pendant, chain, wire and bracket suspension

Body:

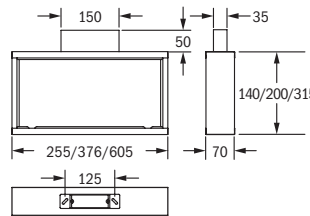
Sheet steel white painted (RAL 9003)

Pane:

Methacrylate, printed

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring



Self contained

Mains supply:

198V-254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or non maintained mode

Central supply

Mains supply:

198V-254V/50Hz

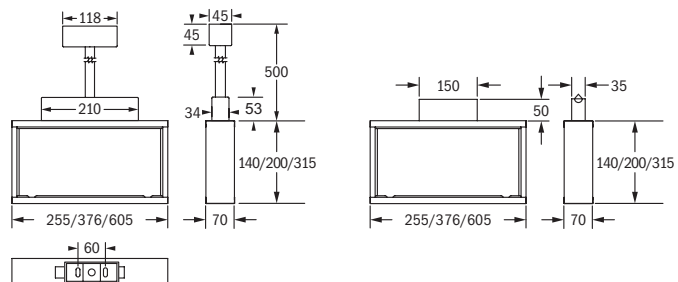
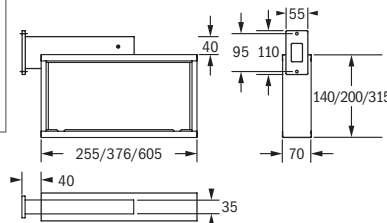
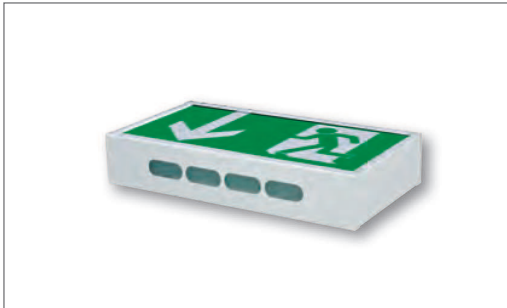
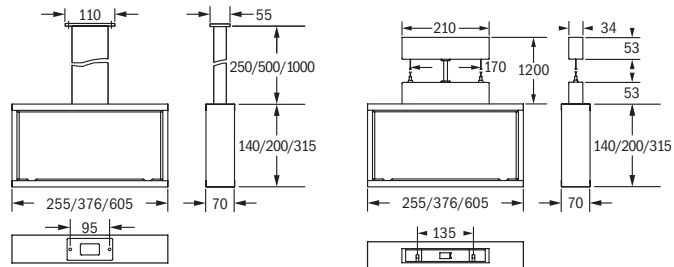
Battery supply:

176V-254 V

Ambient temperature:

-20 to +40 °C (LED)

-10 to +40 °C (T5)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC)	Stan-	Auto-	Central-
						BLF	dard ¹	test	test ²
Wall mounted (single face escape route lighting)									
NM90612L-LED	LED 2 x 1W	1h/3h	NiMH	7,2V	1,7Ah	200lm/118lm		x	x
NM90614L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
NM90612L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NM90612	T5 6W	1h	NiCd	4,8V	1,2Ah	58%	x		
NM90613	T5 6W	3h	NiCd	4,8V	2,2Ah	44%	x		
NM90614L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NM90614	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NM90615	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
NM90680L	T5 13W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NM90680	T5 13W	1h	NiCd	4,8V	1,2Ah	27%	x		
NM90681	T5 13W	3h	NiCd	4,8V	2,2Ah	20%	x		
Ceiling surface mounted, pendant, chain and bracket mounting (double face escape route lighting) ³									
NM90624L-LED	LED 2 x 1W	1h/3h	NiMH	7,2V	1,7Ah	200lm/118lm		x	x
NM90626L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
NM90624L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NM90624	T5 6W	1h	NiCd	4,8V	1,2Ah	58%	x		
NM90625	T5 6W	3h	NiCd	4,8V	2,2Ah	44%	x		
NM90626L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NM90626	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NM90627	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
NM90682L	T5 13W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NM90682	T5 13W	1h	NiCd	4,8V	1,2Ah	27%	x		
NM90683	T5 13W	3h	NiCd	4,8V	2,2Ah	20%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately.

³ For surface mounted and all suspended versions please order required accessories separately.

Central supply








Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
Wall mounted (single face escape route lighting)							
TM92652_1	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
TM92651_1	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92659_1	LED 10 x 1W	29,0VA	13,6W	1000lm	1000lm	1000lm	1000lm
TM92630_1	T5 6W	11,2VA	5,5W	100%	75%	75%	100%
TM92631_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
TM92616_1	T5 13W	19,8VA	11,2W	100%	75%	75%	100%
Ceiling surface mounted, pendant, chain and bracket mounting (double face escape route lighting) ³							
TM92656_1	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
TM92655_1	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92660_1	LED 10 x 1W	29,0VA	13,6W	1000lm	1000lm	1000lm	1000lm
TM92624_1	T5 6W	11,2VA	5,5W	100%	75%	75%	100%
TM92625_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
TM92615_1	T5 13W	19,8VA	11,2W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

³ For surface mounted and all suspended versions please order required accessories separately.

Accessories to be ordered separately			
Order code	Description		
23m	35m	60m	
E16604N	E16608N	E16134N	Exit sign pane 
E16605N	E16609N	E16135N	Exit sign pane 
E16606N	E16610N	E16136N	Exit sign pane 
E16607	E16611	E16234	Opal plastic pane 
E16242	E16241	E16251	Metal sheet painted in body colour 
F95057	F95057	F95057	Adaptor for ceiling mounting
F95600	F95600	F95600	Rectangular pendant, 250mm
F95601	F95601	F95601	Rectangular pendant, 500mm
F95602	F95602	F95602	Rectangular pendant, 1000mm
F95401	F95401	F95401	Wire suspension, max. 1200mm
F95055	F95056	F95070	Bracket
F95400	F95400	F95400	Pendant rod, 500mm
F95067	F95067	F95067	Adaptor for chain or wire suspension
	F95032		Wire guard (wall mounted version)



Kubus

Emergency luminaire with shallow profiled sheet steel and shallow corners. Light distribution control by specular aluminium reflector and diffuser with longitudinal prisms. Versions available: Wall mounted, surface ceiling mounted

Special features:

- Long lamp life minimise maintenance cost (LED)
- Exit sign versions in identical design with 3 different visibility distances available



Technical data

Mounting and installation:

Luminaire for surface ceiling or wall mounting

Body:

Sheet steel white painted (RAL 9003)

Cover:

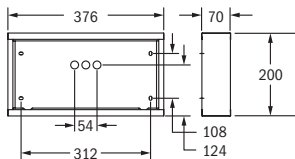
Clear methacrylate with longitudinal prisms

Reflector:

Specular aluminium

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring



Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

Battery supply:



176V–254V

Ambient temperature:

-20 to +40 °C (LED)

-10 to +40 °C (T5)




Self contained

Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	 			
						Ballast lumen (DC) BLF	Standard ¹	Auto-test	Central-test ²
NM90678L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
NM90678L	T5 8 W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NM90678	T5 8 W	1h	NiCd	4,8V	1,2Ah	43%	x		
NM90679	T5 8 W	3h	NiCd	4,8V	2,2Ah	33%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately

Central supply

Order code	Lamp	  		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
TM926278 ¹ -LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92678 ¹	T5 8 W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

Accessories to be ordered separately

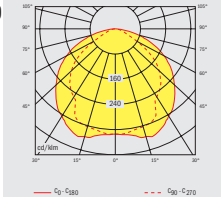
Order code	Description
F95032	Wire guard (Wall mounting)

Lighting data

Type of lamp Light distribution diagram

NM90678L-LED

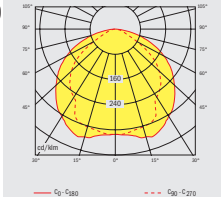
Duration
1h



TM92678_-LED

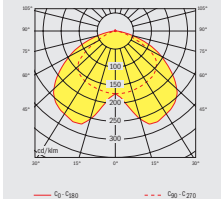
NM90678L-LED

Duration
3h



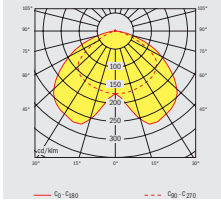
NM90678L

Duration
1h



NM90678L

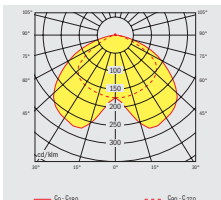
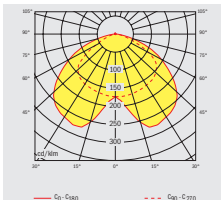
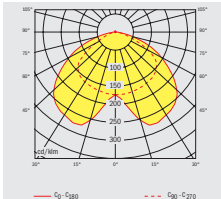
Duration
3h



NM90678

NM90679

TM92678_



Mounting height (m)	Luminaire distance (m)							
	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	4,7	5,7	11,9	13,7	9,1	9,9	3,9	4,4
3,0	5,2	6,3	12,9	15,4	10,2	11,4	4,3	4,9
3,5	5,4	6,7	13,8	16,6	11,1	12,6	4,6	5,5
4,0	5,5	7,1	14,5	17,6	12,0	13,7	4,8	5,8
4,5	5,9	7,4	15,1	18,6	12,6	14,7	5,1	6,3
5,0	5,9	7,6	15,6	19,4	13,3	15,7	5,3	6,5
6,0	6,1	8,2	16,4	20,8	14,3	17,3	5,3	7,1
7,0	6,0	8,6	17,0	21,9	14,8	18,7	5,2	7,4
7,5	6,0	8,6	17,1	22,5	15,0	19,3	5,0	7,4
8,0	6,0	8,5	17,3	22,9	15,1	19,8	5,0	7,7
9,0	5,6	8,6	17,4	23,6	15,1	20,5	4,6	7,5
10,0	4,8	8,6	17,3	24,1	14,7	21,0	4,2	7,2
2,5	4,0	5,0	10,1	12,3	8,1	9,2	3,3	3,9
3,0	4,3	5,3	10,9	13,3	9,0	10,3	3,8	4,5
3,5	4,1	5,7	11,6	14,3	9,7	11,3	4,0	4,9
4,0	4,7	6,1	12,1	15,1	10,4	12,3	4,1	5,2
4,5	4,6	6,1	12,5	15,8	10,9	13,1	4,1	5,5
5,0	4,8	6,3	12,9	16,5	11,2	13,8	4,1	5,5
6,0	4,5	6,6	13,2	17,5	11,6	15,0	3,9	5,7
7,0	4,2	6,7	13,4	18,2	11,6	15,8	3,5	5,8
7,5	4,0	6,5	13,3	18,4	11,4	16,1	3,3	5,6
8,0	3,5	6,4	13,2	18,6	11,1	16,2	2,9	5,6
9,0	-	6,3	-	18,8	-	-	-	-
10,0	-	5,7	-	18,9	-	-	-	-
2,5	4,3	5,1	10,6	12,6	9,0	10,4	3,6	4,7
3,0	4,6	5,6	11,5	13,8	9,9	11,6	3,8	5,2
3,5	4,8	6,0	12,2	14,9	10,6	12,6	4,0	5,3
4,0	4,9	6,4	12,9	15,8	11,2	13,5	4,0	5,7
4,5	5,1	6,6	13,4	16,6	11,5	14,3	4,2	5,9
5,0	5,2	6,8	13,8	17,3	11,8	15,0	4,0	5,9
2,5	3,2	4,0	8,2	10,0	7,1	8,5	2,6	3,7
3,0	3,3	4,2	8,7	10,8	7,5	9,3	2,5	3,8
3,5	3,4	4,4	9,2	11,5	7,7	10,0	2,4	3,9
4,0	3,2	4,6	9,5	12,1	7,6	10,4	2,0	3,8
4,5	3,1	4,8	9,6	12,5	7,4	10,7	1,5	3,6
5,0	-	4,8	-	12,9	-	10,8	-	3,4
2,5	3,3	4,2	8,5	10,4	7,4	8,8	2,8	3,4
3,0	3,5	4,5	9,1	11,3	7,9	9,7	2,8	3,7
3,5	3,6	4,6	9,6	12,0	8,1	10,4	2,6	3,9
4,0	3,5	4,9	9,9	12,6	8,1	10,9	2,3	3,9
4,5	3,4	5,0	10,2	13,1	8,0	11,2	1,9	4,0
5,0	3,1	5,0	10,3	13,5	7,6	11,5	1,1	3,8
2,5	3,0	3,9	7,8	9,6	6,8	8,3	2,4	3,2
3,0	3,1	4,1	8,3	10,4	7,1	9,0	2,3	3,5
3,5	3,2	4,3	8,7	11,0	7,1	9,5	2,0	3,5
4,0	2,9	4,4	8,9	11,5	7,0	9,9	1,5	3,4
4,5	2,7	4,5	9,0	11,9	6,6	10,0	0,6	3,3
5,0	-	4,3	-	12,3	-	10,0	-	3,0
2,5	4,3	5,3	10,9	12,9	9,2	10,6	3,6	4,9
3,0	4,6	5,8	11,8	14,1	10,1	11,8	4,0	5,2
3,5	5,0	6,3	12,6	15,2	10,9	12,9	4,2	5,6
4,0	5,1	6,4	13,2	16,2	11,5	13,8	4,3	5,9
4,5	5,3	6,9	13,8	17,0	11,9	14,6	4,3	6,2
5,0	5,3	7,1	13,3	17,8	12,2	15,4	4,3	6,1
6,0	5,4	7,4	15,1	19,1	12,4	16,3	3,7	6,2
7,0	5,1	7,7	15,5	20,1	12,1	17,3	2,8	6,1
7,5	4,9	7,7	15,7	20,6	11,8	17,5	1,9	5,8



Design

Exit sign luminaire with semi-circular profiled sheet steel and shallow corners. Exit sign panes may be changed.

Versions available: Wall mounted (single face), surface ceiling mounted, pendant, bracket, wire and chain suspension (double face)

Special features:

- Long lamp life minimise maintenance cost (LED)
- Versions with 2 different visibility distances available
- Emergency luminaires in identical design also available



Technical data

Mounting and installation:

Luminaire for surface ceiling or wall mounting, pendant, chain, wire and bracket suspension

Body:

Sheet steel white painted (RAL 9003)

Pane:

Methacrylate, painted

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

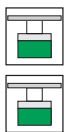
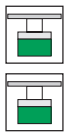
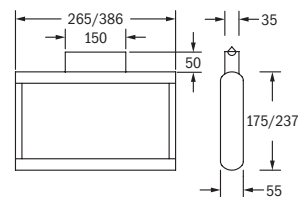
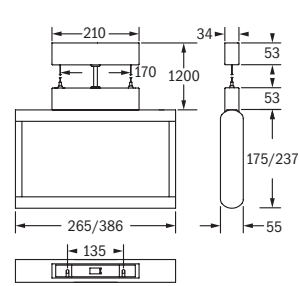
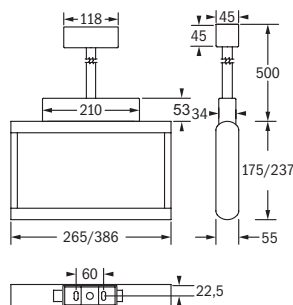
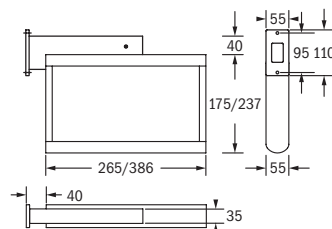
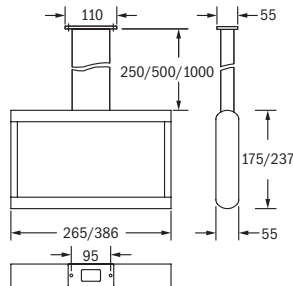
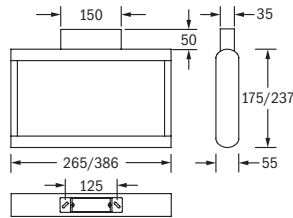
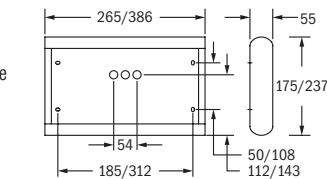
Battery supply:

176V–254V

Ambient temperature:

-20 to +40 °C (LED)

-10 to +40 °C (T5)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	BLF	Standard ¹	Auto-test	Central-test ²
Wall mounted (single face escape route lighting)									
NM90544L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NM90544	T5 6W	1h	NiCd	4,8V	1,2Ah	58%	x		
NM90545	T5 6W	3h	NiCd	4,8V	2,2Ah	44%	x		
NM90540L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NM90540	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NM90541	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
Ceiling surface mounted, pendant, chain and bracket mounting (double face escape route lighting) ³									
NM90546L	T5 6W	1h/3h	NiMH	7,2V	1,7Ah	100%/51%		x	x
NM90546	T5 6W	1h	NiCd	4,8V	1,2Ah	58%	x		
NM90547	T5 6W	3h	NiCd	4,8V	2,2Ah	44%	x		
NM90542L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NM90542	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NM90543	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately

³ For surface mounted and all suspended versions please order required accessories separately.

Central supply








Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
Wall mounted (single face escape route lighting)							
TM92545 ₁	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
TM92549 ₁	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92544 ₁	T5 6W	11,2VA	5,5W	100%	75%	75%	100%
TM92540 ₁	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Ceiling surface mounted, pendant, chain and bracket mounting (double face escape route lighting) ³							
TM92551 ₁	LED 3 x 1W	10,2VA	4,6W	300lm	300lm	300lm	300lm
TM92550 ₁	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92546 ₁	T5 6W	11,2VA	5,5W	100%	75%	75%	100%
TM92542 ₁	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

³ For surface mounted and all suspended versions please order required accessories separately..

Accessories to be ordered separately

Order code	Description
23m	35m
E16604N	E16608N Exit sign pane 
E16605N	E16609N Exit sign pane 
E16606N	E16610N Exit sign pane 
E16607	E16611 Opal plastic pane 
E16242	E16241 Metal sheet painted in body colour 
F95057	F95057 Adaptor for ceiling mounting
F95100	F95100 Rectangular pendant, 250mm
F95101	F95101 Rectangular pendant, 500mm
F95102	F95102 Rectangular pendant, 1000mm
F95401	F95401 Wire suspension, max. 1200mm
F95022	F95035 Bracket
F95400	F95400 Pendant rod, 500mm
F95067	F95067 Adaptor for chain or wire suspension
	F95032 Wire guard (wall mounted version)



Design

Emergency luminaire with semi-circular profiled sheet steel and shallow corners. Light distribution control by specular aluminium reflector and diffuser with longitudinal prisms. Versions available: Wall mounted, surface ceiling mounted

Special features:

- Long lamp life minimise maintenance cost (LED)
- Exit sign versions in identical design with 2 different visibility distances available



Technical data

Mounting and installation:

Luminaire for surface ceiling or wall mounting

Body:

Sheet steel white painted (RAL 9003)

Cover:

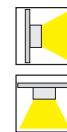
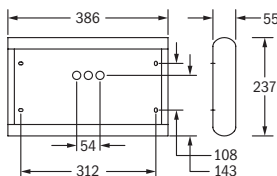
Clear methacrylate with longitudinal prisms

Reflector:

Specular aluminium

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring



Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

Battery supply:

176V–254V

Ambient temperature:

-20 to +40°C (LED)

-10 to +40°C (T5)

Self contained



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	BLF	Standard ¹	Auto-test	Central-test ²
NM90548L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NM90548	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NM90549	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately

Central supply



Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
TM92548_1-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92548_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

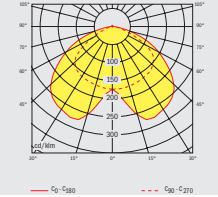
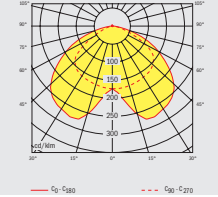
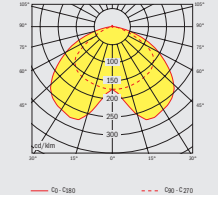
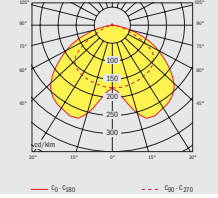
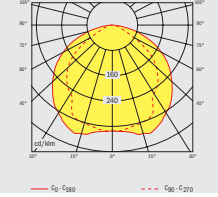
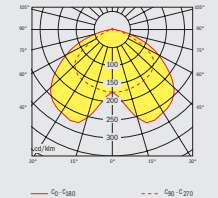
Accessories to be ordered separately

Order code Description

F95032 Wire guard

Lighting data

Type of lamp Light distribution diagram

Mounting height (m)	Luminaire distance (m)																																																																		
	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx																																																											
NM90548L Duration 1h		2,5	3,0	3,5	4,0	4,5	5,0	4,3	5,1	6,0	6,4	5,1	6,8	10,6	12,6	14,9	15,8	13,4	16,6	13,8	17,3	9,0	10,4	12,6	13,5	11,5	14,3	11,8	15,0	3,6	4,0	4,2	4,0	4,2	3,8	4,0	5,2																														
NM90548L Duration 3h		2,5	3,0	3,5	4,0	4,5	5,0	3,2	4,0	4,2	3,3	4,2	4,4	3,2	4,6	4,8	-	8,2	10,0	8,7	9,2	9,5	12,1	9,6	12,9	7,1	8,5	7,5	7,7	7,6	10,4	7,4	10,8	2,6	2,5	2,4	2,0	1,5	10,8	-	3,4																										
NM90548 Duration 1h		2,5	3,0	3,5	4,0	4,5	5,0	3,3	4,2	4,5	3,5	4,5	4,6	3,5	4,9	5,0	3,1	8,5	10,4	9,1	9,6	9,9	12,6	10,2	13,5	7,4	8,8	7,9	8,1	8,1	10,9	8,0	11,2	2,8	2,8	2,6	2,3	1,9	11,5	1,1	3,8																										
NM90549 Duration 3h		2,5	3,0	3,5	4,0	4,5	5,0	3,0	3,9	4,1	3,1	4,1	4,3	2,9	4,4	4,5	-	7,8	9,6	8,3	8,7	8,9	11,5	9,0	12,3	6,8	8,3	7,1	7,1	7,0	11,9	6,6	10,0	2,4	2,3	2,0	1,5	0,6	10,0	-	3,0																										
TM92548 -LED		2,5	3,0	3,5	4,0	4,5	5,0	6,0	7,0	7,5	8,0	9,0	10,0	4,7	5,7	6,3	7,1	7,4	5,9	5,9	6,1	6,0	6,0	6,0	5,6	4,8	11,9	13,7	12,9	13,8	14,5	17,6	15,1	18,6	16,4	17,0	17,1	17,3	17,4	17,3	9,1	9,9	10,2	11,1	12,0	14,7	12,6	15,7	14,3	14,8	15,0	15,1	15,1	14,7	3,9	4,4	4,3	4,6	4,8	5,1	5,3	5,3	5,2	5,0	5,0	4,6	4,2
TM92548		2,5	3,0	3,5	4,0	4,5	5,0	6,0	7,0	7,5	4,3	5,3	6,3	6,4	5,1	5,3	5,3	5,3	5,4	5,4	5,1	5,1	4,9	10,9	12,9	11,8	12,6	13,2	13,8	13,3	17,8	15,1	15,1	15,1	15,1	15,7	9,2	10,6	10,1	10,9	11,5	17,0	11,9	14,6	12,2	12,1	12,1	12,4	12,1	3,6	4,0	4,2	4,3	4,3	4,3	4,3	4,3	3,7	2,8	2,8	3,7	2,8					

Arcus

Exit sign luminaire with convex design, frame in identical body material and colour. Exit sign panes may be changed.

Versions available: Wall mounted (single face signs), surface ceiling mounted, pendant and bracket suspension (double face signs)

Special features:

- Contemporary architectural design
- Long lamp life minimise maintenance cost (LED)
- Emergency luminaires in identical design also available



Technical data

Mounting and installation:

Luminaire for surface ceiling or wall mounting, pendant and bracket suspension

Cover:

Methacrylate, printed

Body:

Extruded aluminium / die cast, painted anthracite metallic (RAL 9007)

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or non maintained mode

Central supply

Mains supply:

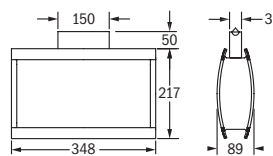
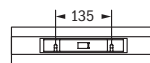
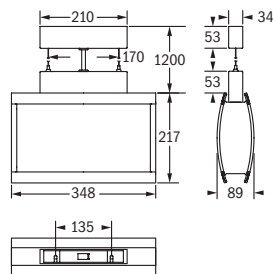
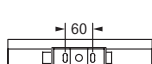
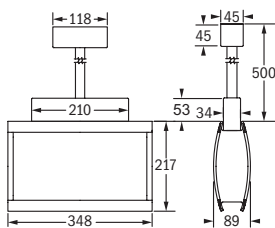
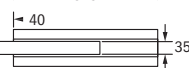
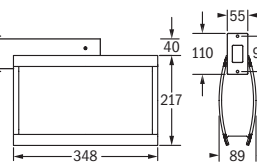
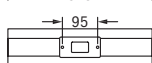
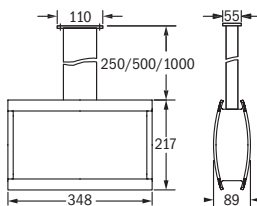
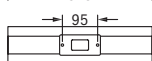
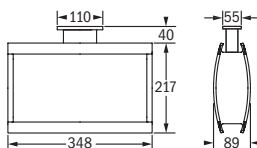
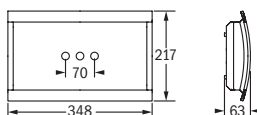
198V–254V/50Hz

Battery supply:

176V–254V

Ambient temperature:

-20 to +40 °C (LED)
-10 to +40 °C (T5)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	BLF	Standard ¹	Auto-test	Central-test ²
Wall mounted (single face escape route lighting)									
N90270L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90270	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90271	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ³									
N90278L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90278	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90279	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately.

³ For surface mounted and all suspended versions please order required accessories separately.

Central supply






Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
Wall mounted (single face escape route lighting)							
T92333_1	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92304_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ³							
T92334_1	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92305_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

³ For surface mounted and all suspended versions please order required accessories separately.

Accessories to be ordered separately

Order code	Description	
33m		
E16282N	Exit sign pane	
E16283N	Exit sign pane	
E16284N	Exit sign pane	
E16302	Opal plastic pane	
E16285	Metal sheet painted in body colour	
F95104	Adaptor for ceiling mounting	
F95083	Rectangular pendant, 250mm	
F95084	Rectangular pendant, 500mm	
F95085	Rectangular pendant, 1000mm	
F95403	Wire suspension, max. 1200mm	
F95064	Bracket	
F95402	Pendant rod, 500mm	



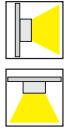
Arcus

Emergency luminaire with convex design, frame in identical body material and colour. Light distribution control by specular aluminium reflector and diffuser with longitudinal prisms.

Versions available: Wall mounted, surface ceiling mounted

Special features:

- Contemporary architectural design
- Light distribution optimised for exit route lighting
- Exit signs in identical design also available



Technical data

Mounting and installation:

Luminaire for wall mounting or surface ceiling

Body:

Extruded aluminium / die cast, painted anthracite metallic (RAL 9007)

Cover:

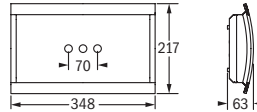
Clear methacrylate with longitudinal prisms

Reflector:

Specular aluminium

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring



Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

Battery supply:

176V–254 V

Ambient temperature:

-10 to +40 °C (T5)

Self contained

LOGICA
SOLUTION

LOGICA^{fm}
SOLUTION

Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	BLF	Standard ¹	Auto-test	Central-test ²
N90287L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90287¹	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90288¹	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately

Central supply

LOGICA
SOLUTION

LOGICA
SOLUTION

LOGICA
SOLUTION

Order code	Lamp	Power consumption			BLF		
		AC	DC ²	EVG	Sleb	Alog	NEA
T92316¹	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

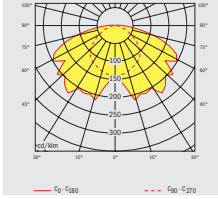
Lighting data

Type of lamp Light distribution diagram

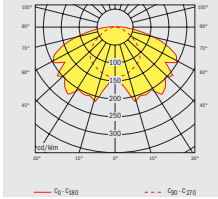
Luminaire distance (m)

Mounting height (m)	Luminaire distance (m)							
	L1	L2	L3	L4	L1	L2	L3	L4
	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	4,7	5,9	12,1	14,8	7,8	9,4	3,1	3,9
3,0	4,8	6,4	13,0	16,0	8,4	10,2	3,2	4,1
3,5	4,6	6,6	13,5	17,1	8,8	10,9	3,3	4,3
4,0	4,9	6,9	13,8	18,0	9,2	11,5	3,2	4,4
4,5	5,0	6,6	13,4	18,7	9,3	12,0	3,1	4,6
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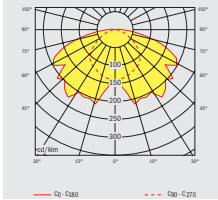
N90287L
Duration
1h



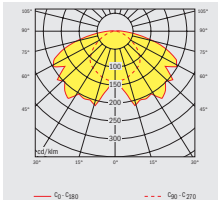
N90287L
Duration
3h



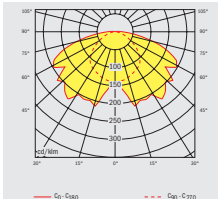
NB90287



NB90288



T92316E



2,5	3,1	4,3	8,9	11,4	5,9	7,3	2,1	2,9
3,0	3,1	4,1	8,5	12,2	6,1	7,8	2,0	3,0
3,5	3,0	4,5	9,0	12,6	6,1	8,2	1,6	3,0
4,0	2,9	4,6	9,1	12,3	6,0	8,5	1,2	2,9
4,5	-	4,3	-	12,2	-	8,6	-	2,7
5,0	-	4,3	-	12,7	-	8,6	-	2,3

2,5	3,3	4,5	9,4	11,9	6,2	7,6	2,3	3,0
3,0	3,5	4,6	9,3	12,7	6,4	8,2	2,2	3,1
3,5	3,3	4,6	9,4	13,2	6,5	8,6	1,9	3,2
4,0	3,2	4,8	9,7	13,3	6,5	8,9	1,5	3,1
4,5	2,8	4,6	9,6	12,7	6,2	9,0	0,8	3,0
5,0	-	4,6	-	13,2	-	9,2	-	2,8

2,5	3,0	4,0	8,3	11,0	5,6	7,0	2,0	2,8
3,0	2,8	4,0	8,2	11,5	5,7	7,5	1,7	2,8
3,5	2,8	4,2	8,5	11,7	5,7	7,8	1,3	2,7
4,0	2,2	4,0	8,3	11,2	5,3	7,9	0,5	2,6
4,5	-	4,0	-	11,7	-	8,0	-	2,8
5,0	-	3,9	-	12,0	-	7,9	-	1,8

2,5	4,9	6,2	12,5	15,2	8,0	9,6	3,2	3,9
3,0	5,0	6,4	13,4	16,5	8,6	10,4	3,3	4,3
3,5	4,8	6,9	14,0	17,6	9,1	11,2	3,4	4,5
4,0	5,1	7,2	14,5	18,5	9,5	11,8	3,5	4,6
4,5	5,3	7,2	14,3	19,3	9,7	12,4	3,4	4,8
5,0	5,0	6,8	13,9	19,8	9,9	12,9	3,2	4,8
6,0	4,8	7,4	14,8	20,4	9,9	13,6	2,4	4,8
7,0	3,9	7,0	14,4	19,6	9,3	13,9	0,9	4,5
7,5	-	7,0	-	20,1	-	14,0	-	4,3

Logica



Multifunction luminaire to be used either as exit sign or for escape route lighting with exit sign films. Body with convex design and clear diffuser. Easy and safe installation with mounting bracket and quick fix click system for mechanical and electrical connection. Light distribution by complex shaped reflector.

Versions available: surface or recessed wall mounted (single face exit signs), surface or recessed ceiling mounted (escape route lighting)

Special features:

- Compact design plus high protection grade
- Long lamp life minimise maintenance cost (LED)
- Easy and quick mounting by bracket with integrated level
- Recessed box supplied as standard accessory



Technical data

Mounting and installation:

Luminaire for surface ceiling or wall mounting, with additional box for recessed mounting in ceiling or wall

Body:

Polycarbonate grey (RAL 7035)

Cover:

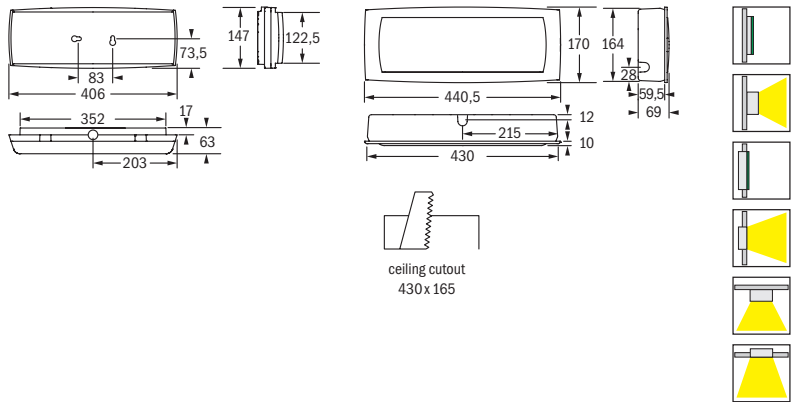
Clear polycarbonate

Reflector:

Specular aluminised polycarbonate

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring



Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

Battery supply:

176V–254V

Ambient temperature:

-20 to +40 °C (LED)

-10 to +40 °C (T5)


Self contained

Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	LOGICA ^{fm}			
						Ballast lumen (DC) BLF	Auto-test	Central-test	Central-test FM
NB12187	LED 30 x 0,2W	1h/3h	NiMH	6,0V	2,2Ah	600lm/250lm	x	x	
NB12187FM	LED 30 x 0,2W	1h/3h	NiMH	6,0V	2,2Ah	600lm/250lm			x
NB16311	T5 8W	1h/3h	NiCd	7,2V	2,2Ah	91%/38%	x	x ¹	

¹ For FM versions please order FM-module (FB16304) separately

Central supply

Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC	EVG	Sieb	Alog	NEA
TB16032	LED 30 x 0,2W	6,0VA	3,5W	600lm			
TB16033	LED 30 x 0,2W	6,0VA	4,5W		600lm		
TB16034	LED 30 x 0,2W	6,0VA	4,5W			600lm	
TB16400	T5 8W	13,2VA	6,8W	100%			
TB16401	T5 8W	13,2VA	6,8W		75%		
TB16406	T5 8W	13,2VA	6,8W			75%	
TB16407	T5 8W	13,2VA	6,8W				100%

Fitting supplied complete with	
Order code	Description
26m	
FB16909	Kit of exit sign films 
FB12198	Box for recessed mounting

Accessories to be ordered separately	
Order code	Description
26m	
FB12193	Kit for recessed mounting in suspended ceilings
FB12194	Wire guard (Wall mounted/ceiling mounted)

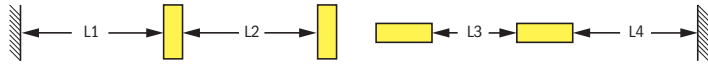


Lighting data

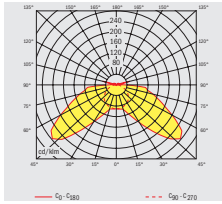
Type of lamp Light distribution diagram

Mounting height (m)

Luminaire distance (m)

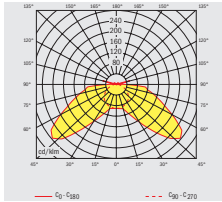


NB12187
Duration
1h



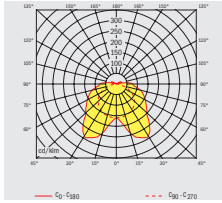
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	5,6	6,8	14,0	17,2	3,2	4,0	8,2	10,0
3,0	5,8	7,4	15,0	18,5	3,2	4,2	8,6	10,8
3,5	6,3	7,8	16,0	19,7	3,2	4,4	9,0	11,5
4,0	6,6	8,1	16,8	20,8	3,2	4,6	9,2	12,0
4,5	6,9	8,8	17,7	21,8	3,0	4,6	9,3	12,4
5,0	7,1	9,0	18,4	22,7	2,9	4,6	9,3	12,7

NB12187
Duration
3h



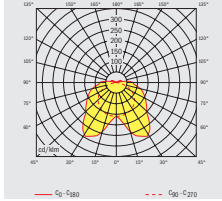
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	4,3	5,3	10,7	13,2	2,1	2,9	5,9	7,6
3,0	4,6	5,6	11,6	14,2	1,9	3,0	6,0	8,0
3,5	4,8	6,0	12,3	15,1	1,6	2,9	6,0	8,3
4,0	4,7	6,4	12,9	15,9	1,1	2,9	5,8	8,5
4,5	-	6,6	-	16,7	-	2,7	-	8,5
5,0	-	6,8	-	17,4	-	2,2	-	8,5

NB16311
Duration
1h



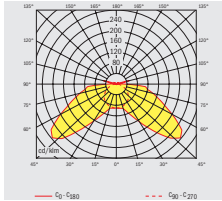
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	4,3	5,6	11,2	14,1	3,4	4,3	8,9	10,8
3,0	4,4	5,8	11,9	15,0	3,7	4,6	9,5	11,7
3,5	4,6	6,0	12,4	15,8	3,7	5,0	10,0	12,5
4,0	4,7	6,4	12,8	16,5	3,7	5,1	10,3	13,1
4,5	4,8	6,4	13,1	17,0	3,6	5,2	10,5	13,7
5,0	4,8	6,6	13,3	17,5	3,4	5,2	10,6	14,1

NB16311
Duration
3h



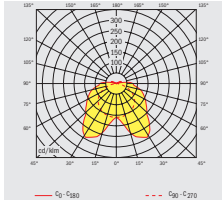
Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	3,1	4,1	8,4	10,7	2,5	3,3	6,8	8,5
3,0	3,2	4,3	8,7	11,3	2,4	3,4	7,0	9,1
3,5	3,2	4,5	9,0	11,8	2,2	3,5	7,0	9,5
4,0	3,2	4,4	9,1	12,1	1,9	3,5	7,0	9,8
4,5	3,3	4,5	9,1	12,4	1,2	3,3	6,7	9,9
5,0	-	4,6	-	12,6	-	3,1	-	9,9

TB16032



Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	5,6	6,8	14,0	17,2	3,2	4,0	8,2	10,0
3,0	5,8	7,4	15,0	18,5	3,2	4,2	8,6	10,8
3,5	6,3	7,8	16,0	19,7	3,2	4,4	9,0	11,5
4,0	6,6	8,1	16,8	20,8	3,2	4,6	9,2	12,0
4,5	6,9	8,8	17,7	21,8	3,0	4,6	9,3	12,4
5,0	7,1	9,0	18,4	22,7	2,9	4,6	9,3	12,7
6,0	7,4	9,6	19,7	24,4	1,8	4,5	9,1	13,1
7,0	-	10,3	-	25,9	-	4,0	-	13,2
7,5	-	10,3	-	26,6	-	3,6	-	13,1

TB16400



Mounting height (m)	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	4,5	5,6	11,6	14,7	3,4	4,7	9,1	11,1
3,0	4,6	6,1	12,3	15,6	3,8	5,0	9,8	12,0
3,5	4,8	6,3	12,9	16,4	3,9	5,2	10,3	12,9
4,0	4,9	6,6	13,3	17,1	3,8	5,5	10,7	13,6
4,5	5,0	6,6	13,6	17,7	3,8	5,5	11,0	14,1
5,0	5,0	6,9	13,9	18,2	3,8	5,7	11,1	14,6
6,0	5,2	7,1	14,3	19,0	3,2	5,6	11,1	15,3
7,0	5,1	7,0	14,4	19,6	2,1	5,5	10,7	15,7
7,5	5,0	7,2	14,5	19,9	0,9	5,2	10,3	15,7

Formula65

Multifunctional luminaire luminaire to be used either as exit sign or for escape route lighting with exit sign films. Shallow body with convex design and clear diffuser with longitudinal prisms. Light distribution by complex shaped reflector.

Versions available: surface or recessed wall mounted (single face exit signs), double face with display panes. Surface or recessed ceiling mounted (escape route lighting)

Special features:

- Multipurpose luminaire serves different applications
- Compact design plus high protection grade
- Long lamp life minimise maintenance cost (LED)
- Easy and quick mounting by bracket with integrated level (LED versions)
- Recessed box supplied as standard accessory



Technical data

Mounting and installation:

Surface ceiling or wall mounting, bracket suspension, additional box for recessed mounting in ceiling or wall

Body:

Polycarbonate white (RAL 9003)

Cover:

Clear polycarbonate (LED)
clear with prism structure (T5 lamps)

Reflector:

Polycarbonate white

Display pane:

Methacrylate, printed

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:
198V–254V/50Hz

Ambient temperature:
0 to +40°C

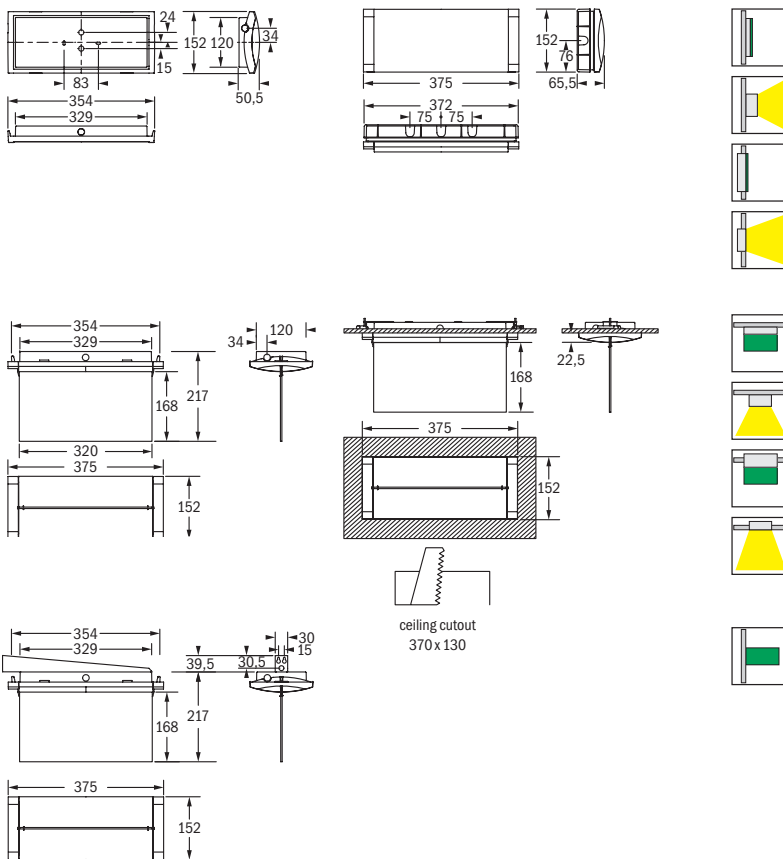
Specification:
Maintained or
non maintained mode

Central supply

Mains supply:
198V–254V/50Hz

Battery supply:
176V–254V

Ambient temperature:
-20 to +40°C (LED)
-10 to +40°C (T5)



Fitting supplied complete with

Order code	Description
30m	
FB19040	Box for recessed mounting

Accessories to be ordered separately

Order code	Description	
30m		
FB19044	Set of exit sign films	↓ ↘ ↙ → ←
E16041N-KIT-F65	Exit sign display-pane	↓ ↘ ↙
E16040N-KIT-F65	Exit sign display-pane	↘ ↙ → ←
FB19045	Wall bracket	
FB19041	Kit for recessed mounting in suspended ceilings	
FB12194	Wire guard (surface wall mounting)	



Order Code ¹	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC)		Standard	Auto-test	Mode ²
						BLF				
NB19230	LED 32 x 0,2W	1h	NiMH	2 x 4,8V	0,75Ah	224lm			x	NM
NB19231	LED 32 x 0,2W	3h	NiMH	2 x 4,8V	1,70Ah	224lm			x	NM
NB19232	LED 32 x 0,2W	1h	NiMH	2 x 4,8V	0,75Ah	224lm			x	M
NB19233	LED 32 x 0,2W	3h	NiMH	2 x 4,8V	1,70Ah	224lm			x	M
NB19210	LED 32 x 0,2W	1h	NiMH	2 x 4,8V	0,75Ah	224lm		x		NM
NB19211	LED 32 x 0,2W	3h	NiMH	2 x 4,8V	1,70Ah	224lm		x		NM
NB19212	LED 32 x 0,2W	1h	NiMH	2 x 4,8V	0,75Ah	224lm		x		M
NB19213	LED 32 x 0,2W	3h	NiMH	2 x 4,8V	1,70Ah	224lm		x		M
B19022	T5 8W	1h	NiCd	4,8V	0,75Ah	15%			x	NM
B19023	T5 8W	3h	NiCd	4,8V	1,7Ah	21%			x	NM
B19024	T5 8W	1h	NiCd	4,8V	0,75Ah	15%			x	M
B19025	T5 8W	3h	NiCd	4,8V	1,7Ah	21%			x	M
B19002	T5 8W	1h	NiCd	4,8V	0,75Ah	15%		x		NM
B19003	T5 8W	3h	NiCd	4,8V	1,7Ah	21%		x		NM
B19004	T5 8W	1h	NiCd	4,8V	0,75Ah	15%		x		M
B19005	T5 8W	3h	NiCd	4,8V	1,7Ah	21%		x		M

¹ For bracket suspension additional accessories are required. Please order separately.

² NM = non maintained mode / M = maintained mode

Central supply



Order Code ³	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC	EVG	Sleb	Alog	NEA
TB16023	LED 32 x 0,2W	7,0VA	5,4W	224lm			
TB16024	LED 32 x 0,2W	7,0VA	6,4W		224lm		
TB16025	LED 32 x 0,2W	7,0VA	6,4W			224lm	
TB92405_1	T5 8W	13,2VA	6,8W ²	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

³ For bracket suspension additional accessories are required. Please order separately.

Lighting data

Type of lamp	Light distribution diagram	Mounting height (m)	Luminaire distance (m)							
			1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
NB19232 NB19233 NB19212 NB19213 TB16023		2,5	3,7	5,4	9,5	13,7	8,9	10,1	3,4	4,0
		3,0	4,0	5,6	10,2	14,5	9,5	10,9	3,7	4,1
		3,5	4,0	5,6	10,7	15,3	10,0	11,4	3,9	4,3
		4,0	4,1	5,7	11,2	15,8	10,5	11,9	3,9	4,4
		4,5	3,7	5,9	11,9	16,0	8,9	12,2	2,7	4,5
		5,0	3,5	5,7	11,8	16,2	8,8	12,4	2,3	4,3
NB19024 NB19004		2,5	1,8	2,6	5,3	6,8	1,6	2,2	4,5	5,7
		3,0	1,7	2,7	5,3	7,2	1,5	2,3	4,7	6,2
		3,5	1,3	2,6	5,2	7,4	1,2	2,2	4,6	6,4
		4,0	0,4	2,3	4,9	7,5	-	2,2	-	6,6
		4,5	-	2,0	-	7,4	-	1,9	-	6,5
		5,0	-	1,5	-	7,2	-	1,4	-	6,4
NB19025 NB19005		2,5	2,2	2,9	6,0	7,7	1,9	2,5	5,1	6,4
		3,0	2,2	3,1	6,3	8,2	1,9	2,7	5,4	6,9
		3,5	1,9	3,1	6,3	8,6	1,8	2,7	5,6	7,3
		4,0	1,6	3,0	6,2	8,8	1,5	2,7	5,5	7,6
		4,5	0,8	2,9	5,9	8,9	0,8	2,6	5,3	7,8
		5,0	-	2,6	-	8,8	-	2,4	-	7,8
TB92405_1		2,5	4,3	5,3	11,1	13,5	3,7	4,5	9,1	10,9
		3,0	4,6	5,8	11,8	14,6	3,8	4,8	9,9	11,9
		3,5	4,6	6,0	12,4	15,6	4,0	5,2	10,5	12,8
		4,0	4,7	6,4	12,9	16,4	4,1	5,5	10,9	13,6
		4,5	4,8	6,4	13,2	17,0	4,2	5,5	11,3	14,2
		5,0	4,8	6,6	13,5	17,6	4,2	5,7	11,7	14,8
		6,0	4,5	6,9	13,8	18,4	4,0	6,0	12,0	15,4
		7,0	4,0	6,7	13,7	19,0	3,6	5,9	12,1	16,4
7,5	3,5	6,7	13,6	19,2	3,3	5,8	12,0	16,7		

Aestetica



Multifunctional luminaire to be used either as exit sign or for escape route lighting with exit sign films. Shallow body with convex design and clear diffuser with longitudinal prisms. Light distribution by complex shaped reflector.

Versions available: surface wall mounted (single face exit signs), double face with display panes. Surface or recessed ceiling mounted (escape route lighting)

Special features:

- Compact design
- Multipurpose type for different applications



Technical data

Mounting and installation:

surface ceiling or wall mounting

Body:

Polycarbonate white (RAL 9003)

Cover:

Clear polycarbonate with prism structure

Reflector:

Polycarbonate white

Display pane:

Acrylic printed

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or non maintained mode

Central supply

Mains supply:

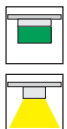
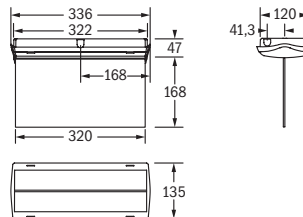
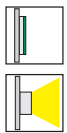
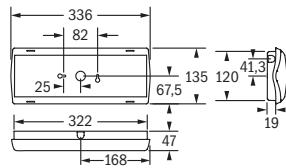
198V–254V/50Hz

Battery supply:

176V–254V

Ambient temperature:

-10 to +40°C (T5)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	BLF	Standard	Self-test	Mode ¹
NB16208	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		NM
NB16209	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		NM
NB16206	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		NM/M
NB16207	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		NM/M

¹ NM = non maintained mode / M = maintained mode

Central supply



Order code	Lamp	Power consumption			BLF		
		AC	DC	EVG	Sleb	Alog	NEA
TB16203	T5 8W	13,2VA	6,8W	100%			
TB16204	T5 8W	13,2VA	8,3W		75%		
TB16210	T5 8W	13,2VA	8,3W			75%	
TB16211	T5 8W	13,2VA	8,3W				100%

Fitting supplied complete with

Order code	Description
22m	
FB16905	Kit of exit sign films

Accessories to be ordered separately

Order code	Description
22m	
E16041N-Kit-Aestetica	Exit sign display pane
E16040N-Kit-Aestetica	Exit sign display pane
FB3908	Wire guard (wall mounted version)

Lighting data

Type of lamp	Light distribution diagram	Mounting height (m)	Luminaire distance (m)							
			1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
NB16208 NB16206		2,5	3,1	4,2	8,5	10,9	7,5	9,4	2,9	3,7
		3,0	3,1	4,3	8,8	11,5	7,9	10,0	2,9	3,8
		3,5	3,0	4,5	9,0	12,0	8,2	10,6	2,8	4,0
		4,0	2,9	4,4	9,1	12,3	8,3	11,0	2,7	4,1
		4,5	2,7	4,5	9,0	12,5	8,3	11,3	2,5	4,0
		5,0	2,2	4,3	8,8	12,7	8,2	11,6	2,1	4,0
NB16209 NB16207		2,5	2,8	3,7	7,7	9,9	6,9	8,6	2,5	3,3
		3,0	2,7	3,8	7,9	10,4	7,2	9,2	2,5	3,6
		3,5	2,5	3,9	7,9	10,8	7,3	9,6	2,4	3,6
		4,0	2,3	3,9	7,9	11,0	7,3	10,0	2,1	3,6
		4,5	1,9	3,8	7,6	11,1	7,1	10,2	1,8	3,5
		5,0	1,1	3,6	7,3	11,2	6,9	10,3	1,1	3,4
TB16203		2,5	4,3	5,6	11,5	14,2	9,9	12,0	3,9	4,9
		3,0	4,6	5,9	12,2	15,3	10,6	13,0	4,1	5,2
		3,5	4,6	6,3	12,7	16,1	11,2	13,9	4,3	5,4
		4,0	4,8	6,4	13,1	16,9	11,7	14,6	4,4	5,7
		4,5	4,8	6,6	13,4	17,4	12,1	15,2	4,5	5,9
		5,0	4,8	6,6	13,6	17,9	12,4	15,8	4,3	6,1
		6,0	4,5	6,9	13,8	18,7	12,7	16,8	4,2	6,2
		7,0	3,9	6,7	13,7	19,2	12,7	17,4	3,7	6,8
7,5	3,5	6,7	13,5	19,8	12,6	17,6	3,3	6,3		

Indus

Exit sign luminaire with industrial design. Rectangular body with opal diffuser. Light distribution by additional reflector. Escape route signs with self adhesive films.)

Versions available: wall mounted (single face), ceiling mounted, bracket, chain or wire suspension (double face)

Special features:

- Robust design with high protection grade
- Long lamp life minimise maintenance cost (LED)
- Emergency luminaires in identical design also available



Technical data

Mounting and installation:

surface ceiling or wall mounting, bracket, chain or wire suspension

Body:

Polycarbonate white (RAL 9003)

Cover:

Polycarbonate opal

Reflector:

sheet steel white painted

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

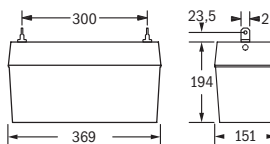
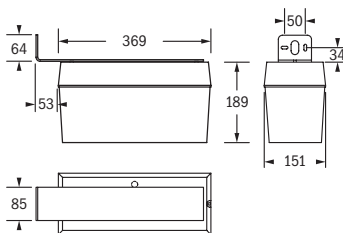
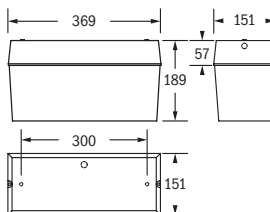
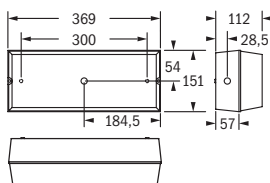
Battery supply:

176V–254 V

Ambient temperature:

-20 to +40 °C (LED)

-10 to +40 °C (T5)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC)	Standard ¹	Auto-test	Central-test ²
						BLF			
Wall mounted (single face escape route lighting)									
N90901L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
N90901L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90901	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90902	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
Ceiling surface mounted, chain and bracket mounting (double face escape route lighting) ³									
N90432L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
N90432L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
NB90432	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
NB90433	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately.

³ For bracket chain / wire suspension additional accessories are required. Please order separately.

Central supply




Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
Wall mounted (single face escape route lighting)							
T92032_1-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92032_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Ceiling surface mounted, chain and bracket mounting (double face escape route lighting) ³							
T92058_1-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92058_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

³ For bracket chain / wire suspension additional accessories are required. Please order separately.

Accessories to be ordered separately

Order code	Description	
26m		
F15314N	Exit sign film	
F15313N	Exit sign film	
F15312N	Exit sign film	
F95029	Bracket	
FB3723	Adaptor for chain or wire suspension	
F95032	Wire guard (wall mounted version)	
F95800	IP65-Set (wall mounted version)	



Indus

Emergency luminaire with industrial design. Rectangular body with clear diffuser and internal prisms. Light distribution by additional reflector and internal prisms
Versions available: wall mounted, ceiling mounted

Special features:

- Robust design with high protection grade
- Long lamp life minimise maintenance cost (LED)
- Versions for 8 hour duration available
- Exit signs in identical design also available



Technical data

Mounting and installation:

Wall or surface ceiling mounting

Body:

Polycarbonate white (RAL 9003)

Cover:

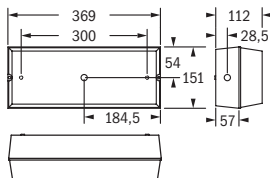
Clear polycarbonate with internal prism structure

Reflector:

Sheet steel white painted

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring



Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

Battery supply:

176V–254V

Ambient temperature:

-20 to +40 °C (LED)

-10 to +40 °C (T5)

Self contained

LOGICA
SOLUTION

LOGICA^{fm}
SOLUTION

Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC)	Stan- dard ¹	Auto- test	Central- test ²
						BLF			
N90918L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
N90918L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
N90918	T5 8W	1h	NiCd	4,8V	1,2Ah	43%	x		
N90919	T5 8W	3h	NiCd	4,8V	2,2Ah	33%	x		
N90935L-LED	LED 3 x 1W	8h	NiCd	7,2V	2,2Ah	117lm		x	x

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately

Central supply

LOGICA
SOLUTION

LOGICA
SOLUTION

LOGICA
SOLUTION

Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
T92161_1-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
T92161_1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

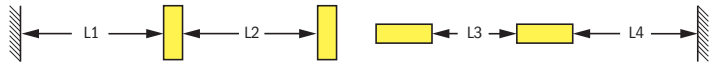
Accessories to be ordered separately

Order code	Description
26m	
F95032	Wire guard
F95800	IP65-Set

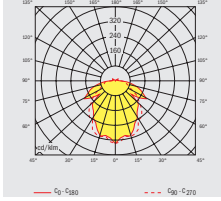
Lighting data

Type of lamp Light distribution diagram

Mounting height (m) Luminaire distance (m)

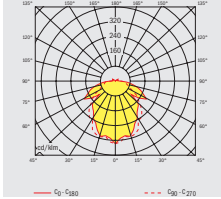


N90918L-LED
Duration
1h
T92161_-LED



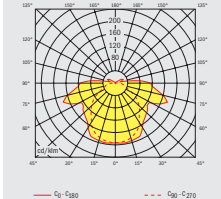
Mounting height (m)	Luminaire distance (m)							
	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	4,9	6,2	12,5	15,1	10,2	12,4	4,2	4,9
3,0	5,2	6,4	13,3	16,6	11,0	13,4	4,5	5,4
3,5	4,0	6,9	14,1	17,6	11,8	14,3	4,6	5,8
4,0	4,4	7,2	14,6	18,5	12,5	15,2	4,8	6,2
4,5	4,6	7,4	14,0	19,1	13,6	15,9	5,0	5,4
5,0	5,0	5,7	13,0	19,9	13,5	16,6	5,1	6,8
6,0	4,8	6,4	13,0	19,9	14,7	18,0	5,2	6,8
7,0	4,5	6,9	13,8	18,3	14,7	19,0	5,1	7,2
7,5	4,5	6,9	14,0	17,2	14,9	19,4	4,8	7,2
8,0	4,4	6,9	13,9	17,8	15,0	19,6	4,6	7,4
9,0	3,8	6,7	13,6	18,9	15,0	20,2	4,4	7,5
10,0	3,2	6,5	13,2	19,5	14,7	20,8	3,6	7,2

N90918L-LED
Duration
3h



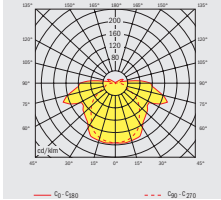
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3,5	3,6	5,7	10,6	14,7	10,1	12,2	3,8	4,9
4,0	3,8	4,5	9,2	15,5	10,5	13,0	4,0	5,1
4,5	3,7	4,8	9,9	15,1	10,7	13,7	4,0	5,3
5,0	3,6	5,1	10,4	14,8	11,1	14,3	4,0	5,5
6,0	3,4	5,4	10,7	13,5	11,5	15,0	3,6	5,6
7,0	3,0	5,1	10,4	14,6	11,5	15,6	3,4	5,6
7,5	2,6	5,0	10,2	15,0	11,3	15,9	3,0	5,6
8,0	2,3	5,0	10,0	15,1	11,0	16,1	2,4	5,4
9,0	-	4,6	-	15,0	-	16,3	-	5,0
10,0	-	4,0	-	14,6	-	16,2	-	4,6

N90918L
Duration
1h



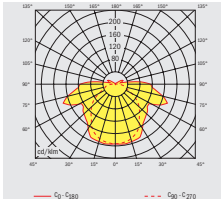
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4,0	4,0	5,5	11,3	16,9	9,7	12,2	3,5	4,8
4,5	3,9	5,7	11,5	16,8	9,9	12,8	3,5	4,9
5,0	3,7	5,7	11,6	15,9	10,1	13,2	3,3	5,0

N90918L
Duration
3h



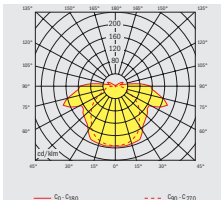
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4,0	2,2	3,6	7,3	10,5	6,5	9,0	2,0	3,2
4,5	2,0	3,5	7,1	10,6	1,7	9,1	6,4	3,1
5,0	1,1	3,3	6,8	10,5	6,2	9,2	0,9	3,1

N90918



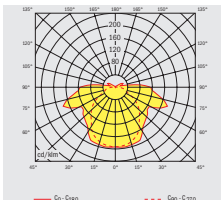
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3,0	2,7	3,8	7,9	11,2	6,8	8,7	2,4	3,3
3,5	2,5	3,9	8,0	10,9	6,9	9,1	2,4	3,4
4,0	2,4	3,9	7,9	11,0	6,9	9,5	2,2	3,4
4,5	2,2	3,7	7,6	11,1	6,8	9,6	1,9	3,4
5,0	1,7	3,6	7,3	11,1	6,6	9,7	1,4	3,2

N90919



2,5	2,4	3,3	6,9	10,1	5,9	7,4	2,1	2,9
3,0	2,3	3,5	7,0	9,5	6,1	7,9	2,0	3,0
3,5	2,1	3,4	6,9	9,6	6,1	8,3	1,9	2,9
4,0	2,0	3,2	6,7	9,8	6,0	8,5	1,6	2,9
4,5	2,2	3,1	7,6	9,8	5,8	8,6	1,2	2,9
5,0	-	3,0	-	9,7	-	8,5	-	2,7

T92161_



2,5	4,0	6,2	12,6	16,2	8,5	10,0	3,3	4,2
3,0	4,1	6,2	12,5	17,3	9,2	11,0	3,6	4,5
3,5	4,2	5,8	11,7	17,8	9,7	11,9	3,6	4,8
4,0	4,1	5,7	11,8	17,9	10,1	12,6	3,7	4,9
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6,0	3,7	6,0	12,0	16,8	10,6	14,4	3,4	5,2
7,0	3,4	5,6	11,6	14,1	10,4	14,8	2,9	5,1
7,5	2,9	5,6	11,3	17,2	10,2	14,9	2,4	5,0



Granluce

Multifunctional luminaire to be used either as exit sign or for escape route lighting with exit sign films. Trapezoid body with oval frame and clear diffuser. Light distribution by complex shaped specular reflector

Versions available: surface or recessed wall mounted (single face exit signs)

Special features:

- Compact design plus high protection grade
- Long lamp life minimise maintenance cost (LED)
- Particular applications are corridors and staircases



Technical data

Mounting and installation:
surface or recessed wall mounting

Body:
Polycarbonate white (RAL 9010)

Cover:
Polycarbonate white (RAL 9010)

Pane:
Clear polycarbonate

Reflector:
Specular aluminised polycarbonate

Terminals:
Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:
198V–254V/50Hz

Ambient temperature:
0 to +40°C

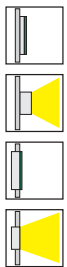
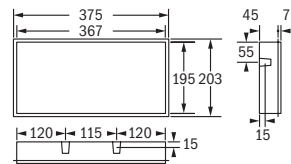
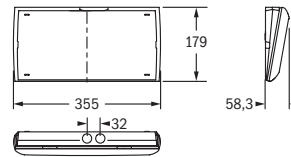
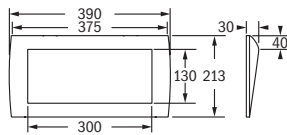
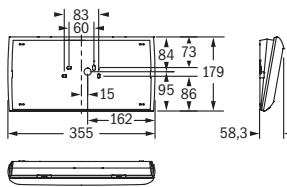
Specification:
Maintained or
non maintained mode

Central supply

Mains supply:
198V–254V/50Hz

Battery supply:
176V–254V

Ambient temperature:
-20 to +40°C (LED)





Acciaio

Multifunctional luminaire with industrial design to be used either as exit sign or for escape route lighting. Exit sign conversion by additional panes. Cover plate made of aluminium die cast with integrated pane of toughened glass. Light distribution control by complex shaped specular reflector.

Versions available: surface or recessed wall mounting (escape route lighting or single face exit signs), surface or recessed ceiling mounting or bracket suspension (escape route lighting or double face exit signs)

Special features:

- Vandal proof luminaire with high protection grade
- High resistance against mechanical and chemical aggressive materials
- With optional accessories suitable for ex-proof applications (zone 2-22)
- Self contained versions with integrated magnetic test switch
- Long lamp life minimise maintenance cost (LED)



Technical data

Mounting and installation:

Luminaire for surface or recessed wall or ceiling mounting and bracket suspension

Body:

Die cast aluminium painted grey (RAL 7035)

Cover:

Die cast aluminium painted grey (RAL 7035)

Pane:

Toughened glass

Reflector:

Specular aluminium

Film:

Acrylic printed

Display pane:

Methacrylate printed

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or non maintained mode

Central supply

Mains supply:

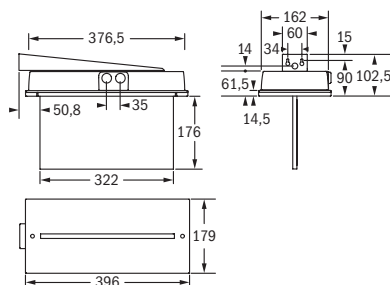
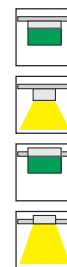
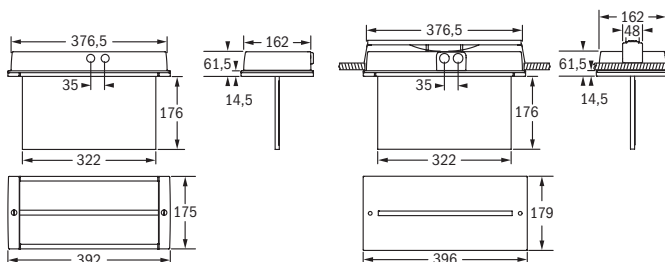
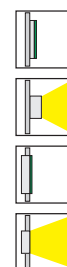
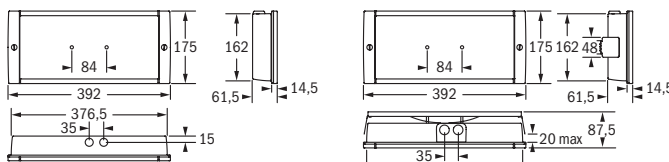
198V–254V/50Hz

Battery supply:

176V–254 V

Ambient temperature:

-20 to + 40°C (LED)



Order Code ¹	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC)	Self-test	Auto-test	Central-test	Central-test FM
NB15003	LED 24 x 0,2W	1h/3h	NiCd	7,2V	0,75Ah	224lm/84lm	x			
NB15006	LED 24 x 0,2W	1h/3h	NiCd	7,2V	0,75Ah	224lm/84lm		x	x	
NB15007	LED 24 x 0,2W	1h/3h	NiCd	7,2V	0,75Ah	224lm/84lm				x

¹ Bracket suspension mounted requires additional accessories, please order separately.

Central supply

Order Code ¹	Lamp	Power consumption		Ballast lumen (Battery mode)		
		AC	DC	EVG	Sleb	Alog
TB16020	LED 24 x 0,2W	7,0VA	5,4W	224lm		
TB16021	LED 24 x 0,2W	7,0VA	6,4W		224lm	
TB16022	LED 24 x 0,2W	7,0VA	6,4W			224lm

¹ Bracket suspension mounted requires additional accessories, please order separately.

Accessories to be ordered separately	
Order code	Description
30m	
E16019	Exit sign film
E16017	Exit sign film
E16018	Exit sign film
E16036	Exit sign display pane
E16035	Exit sign display pane
FB15016	Bracket
FB15012	Kit for recessed mounting in suspended ceilings
FB15017	Conversion kit for ex-proof versions

Lighting data

Type of lamp Light distribution diagram

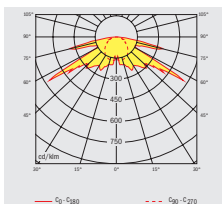
Mounting height (m)

Luminaire distance (m)



NB15006

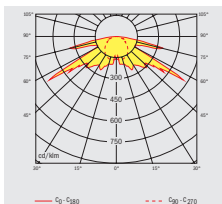
Duration
1h



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3,5	2,6	3,7	7,5	9,7	5,5	5,7	11,7	12,8
4,0	2,6	3,8	7,7	10,0	4,2	6,3	13,1	13,9
4,5	2,3	3,7	7,6	10,4	4,3	7,1	12,8	15,3
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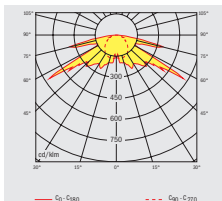
NB15006

Duration
3h

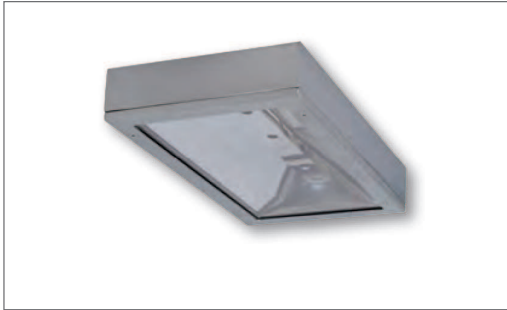


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3,0	1,1	2,2	4,5	6,4	2,2	4,7	8,1	9,9
3,5	-	2,2	-	6,5	-	3,7	-	11,4
4,0	-	1,8	-	6,4	-	3,7	-	11,1
4,5	-	1,2	-	6,2	-	-	-	-
5,0	-	-	-	-	-	-	-	-

TB16020



2,5	2,6	3,4	6,9	8,6	4,1	4,4	9,1	12,7
3,0	2,7	3,5	7,1	9,0	4,7	5,1	10,2	12,2
3,5	2,6	3,7	7,5	9,7	5,5	5,7	11,7	12,8
4,0	2,6	3,8	7,7	10,0	4,2	6,3	13,1	13,9
4,5	2,3	3,7	7,6	10,4	4,3	7,1	12,8	15,3
5,0	1,7	3,6	7,4	10,6	3,5	7,9	13,5	16,7
6,0	-	3,4	-	10,7	-	6,0	-	18,6
7,0	-	2,5	-	10,4	-	4,9	-	19,1
7,5	-	1,9	-	10,3	-	-	-	-



Kubus65

Multifunctional luminaire with industrial design to be used either as exit sign or for escape route lighting. Exit sign conversion by additional films. Rectangular body of sheet steel (optional stainless steel) and clear diffuser. Light distribution control by specular reflector.

Versions available: surface wall mounting (escape route lighting or single face exit signs), surface ceiling mounting or bracket suspension (escape route lighting or double face exit signs)

Special features:

- Luminaire with high protection grade
- High resistance against mechanical and chemical aggressive materials
- Long lamp life minimise maintenance cost (LED)



Technical data

Mounting and installation:

Luminaire for surface or wall mounting, pendant or bracket suspension

Body:

Sheet steel white painted (RAL 9003)
optional
Stainless steel V2A

Cover:

Sheet steel white painted (RAL 9003) with methacrylate pane
optional
Stainless steel V2A

Reflector:

Specular aluminium

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:
198V–254V/50Hz

Ambient temperature:
0 to +40°C

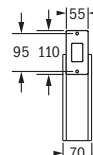
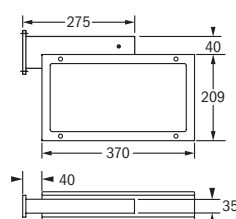
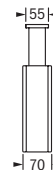
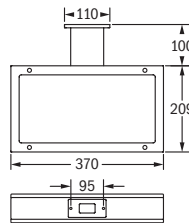
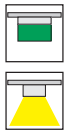
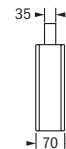
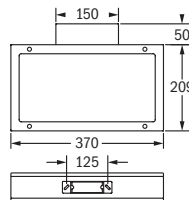
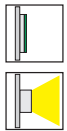
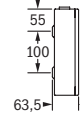
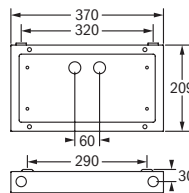
Specification:
Maintained or
non maintained mode

Central supply

Mains supply:
198V–254V/50Hz

Battery supply:
176V–254V

Ambient temperature:
-20 to +40 °C (LED)
-10 to +40 °C (T5)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC) BLF	Standard	Auto-test	Central-test ¹
Wall mounted luminaire made of sheet steel (single face escape route lighting)									
NM90720L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
NM90720L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ²									
NM90721L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
NM90721L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
Wall mounted luminaire made of stainless sheet steel (single face escape route lighting)									
NM90722L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
NM90722L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ²									
NM90723L-LED	LED 5 x 1W	1h/3h	NiMH	7,2V	1,7Ah	500lm/295lm		x	x
NM90723L	T5 8W	1h/3h	NiMH	7,2V	1,7Ah	91%/38%		x	x

¹ For FM versions please order FM-module (FB16304) separately.

² Additional accessories for ceiling mounting, pendant and bracket suspension required. Please order separately.

Central supply



Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
Wall mounted luminaire made of sheet steel (single face escape route lighting)							
TM92720 _1-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92720 _1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ³							
TM92721 _1-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92721 _1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Wall mounted luminaire made of stainless sheet steel (single face escape route lighting)							
TM92722 _1-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92722 _1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%
Ceiling surface mounted, pendant and bracket mounting (double face escape route lighting) ³							
TM92723 _1-LED	LED 5 x 1W	14,5VA	6,8W	500lm	500lm	500lm	500lm
TM92723 _1	T5 8W	13,2VA	6,8W	100%	75%	75%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

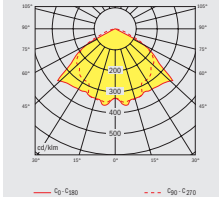
³ Additional accessories for ceiling mounting, pendant and bracket suspension required. Please order separately.

Accessories to be ordered separately

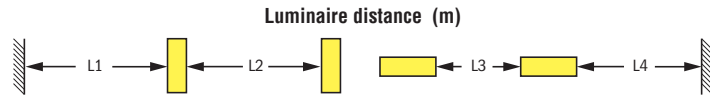
Order code	Description
Sheet steel	Stainless steel V2A
E16700	E16700 Exit sign films
E16701	E16701 Exit sign films
F95612	F95613 Adaptor for ceiling mounting
F95603	F95608 Rectangular pendant, 250mm
F95604	F95609 Rectangular pendant, 500mm
F95605	F95610 Rectangular pendant, 1000mm
F95606	F95611 Bracket
F95607	F95607 Wire guard zinc plated (wall mounted version)

Type of lamp Light distribution diagram

NM90720L-LED
 NM90722L-LED
 Duration
 1h

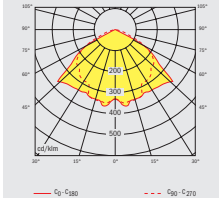


Mounting height (m)



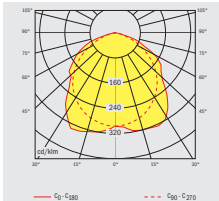
Mounting height (m)	Luminaire distance (m)							
	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	4,5	5,7	9,7	13,7	10,8	9,9	4,5	4,4
3,0	5,0	6,3	11,4	15,4	12,1	11,4	5,0	4,9
3,5	5,4	6,7	12,8	16,6	13,2	12,6	5,4	5,5
4,0	5,7	7,1	14,1	17,6	14,1	13,7	5,7	5,8
4,5	5,9	7,4	14,9	18,6	14,8	14,7	5,7	6,3
5,0	6,3	7,6	15,6	19,4	15,4	15,7	5,9	6,5
6,0	6,8	8,2	17,0	20,8	16,4	17,3	5,7	7,1
7,0	6,9	8,6	17,9	21,9	17,0	18,7	5,6	7,4
7,5	6,7	8,6	18,5	22,5	17,1	19,3	5,4	7,4
8,0	6,4	8,5	19,1	22,9	17,0	19,8	5,4	7,7
9,0	5,6	8,6	19,8	23,6	16,5	20,5	4,4	7,5
10,0	4,6	8,6	19,8	24,1	16,4	20,0	4,2	7,2

NM90720L-LED
 NM90722L-LED
 Duration
 3h



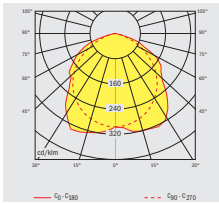
2,5	4,0	5,0	10,1	12,3	8,1	9,2	3,3	3,9
3,0	4,3	5,3	10,9	13,3	9,0	10,3	3,6	4,3
3,5	4,4	5,7	11,6	14,3	10,4	11,3	3,9	4,7
4,0	4,5	5,8	12,1	15,1	10,4	12,3	4,0	5,0
4,5	4,6	6,1	12,5	15,8	10,9	13,1	4,0	5,3
5,0	4,6	6,3	12,9	16,5	11,2	13,8	4,0	5,5
6,0	4,5	6,6	13,2	17,5	11,6	15,1	3,7	5,7
7,0	4,2	6,5	13,4	18,2	11,6	15,8	3,4	5,6
7,5	3,8	6,5	13,3	18,4	11,4	16,1	3,1	5,6

NM90720L
 NM90722L
 Duration
 1h



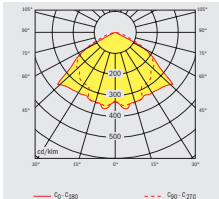
2,5	4,1	5,0	10,2	12,2	9,2	10,9	3,8	4,6
3,0	4,4	5,5	11,1	13,3	10,1	12,0	4,0	4,9
3,5	4,6	5,7	11,9	14,3	10,8	13,0	4,2	5,3
4,0	4,7	6,1	12,5	15,3	11,4	13,9	4,4	5,6
4,5	4,8	6,3	13,0	16,2	11,9	14,7	4,6	5,9
5,0	4,8	6,6	13,3	17,0	12,3	15,4	4,6	6,1
6,0	4,8	6,8	13,8	18,0	12,9	16,5	4,5	6,4
7,0	4,9	6,7	13,9	18,8	13,2	17,4	4,2	6,5
7,5	4,8	6,7	14,0	19,1	13,2	17,7	4,0	6,5
8,0	4,6	6,7	14,1	19,3	13,1	18,0	3,7	6,4
9,0	4,2	6,7	14,2	19,5	12,8	18,4	2,7	6,3
10,0	-	7,0	-	19,5	-	18,6	-	6,0

NM90720L
 NM90722L
 Duration
 3h



2,5	3,1	4,0	8,0	10,6	7,7	9,6	2,9	3,8
3,0	3,1	4,2	8,5	11,2	7,8	10,2	3,0	4,0
3,5	3,2	4,3	8,8	11,2	8,1	10,2	2,9	4,0
4,0	3,2	4,4	8,9	11,7	8,4	10,8	2,9	4,1
4,5	3,1	4,3	8,9	12,1	8,5	11,2	2,7	4,2
5,0	3,1	4,3	9,1	12,4	8,5	11,5	2,5	4,2

TM92720_-LED
 TM92722_-LED

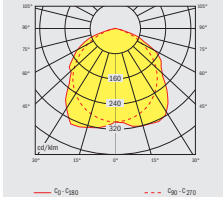


2,5	4,5	5,7	9,7	13,7	10,8	9,9	4,5	4,4
3,0	5,0	6,3	11,4	15,4	12,1	11,4	5,0	4,9
3,5	5,4	6,7	12,8	16,6	13,2	12,6	5,4	5,5
4,0	5,7	7,1	14,1	17,6	14,1	13,7	5,7	5,8
4,5	5,9	7,4	14,9	18,6	14,8	14,7	5,7	6,3
5,0	6,3	7,6	15,6	19,4	15,4	15,7	5,9	6,5
6,0	6,8	8,2	17,0	20,8	16,4	17,3	5,7	7,1
7,0	6,9	8,6	17,9	21,9	17,0	18,7	5,6	7,4
7,5	6,7	8,6	18,5	22,5	17,1	19,3	5,4	7,4
8,0	6,4	8,5	19,1	22,9	17,0	19,8	5,4	7,7
9,0	5,6	8,6	19,8	23,6	16,5	20,5	4,4	7,5
10,0	4,6	8,6	19,8	24,1	16,4	20,0	4,2	7,2

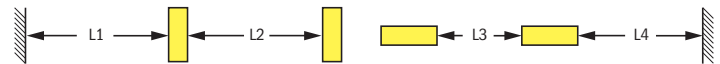
Lighting data

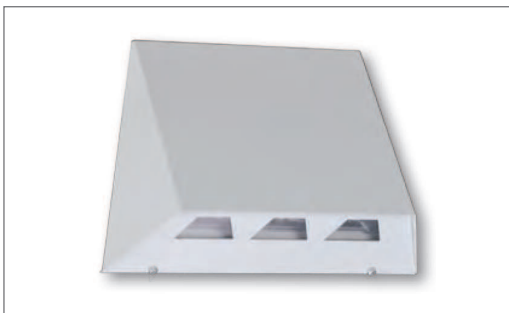
Type of lamp Light distribution diagram

TM92720_
TM92722_



Mounting height (m)	Luminaire distance (m)							
	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx	1,0lx	0,5lx
2,5	4,2	5,2	10,4	12,5	9,5	11,1	3,9	4,6
3,0	4,5	5,5	11,4	13,7	10,4	12,3	4,2	5,1
3,5	4,7	6,0	12,3	14,7	11,1	13,3	4,4	5,5
4,0	4,9	6,3	12,9	15,7	11,8	14,3	4,5	5,8
4,5	4,9	6,6	13,4	16,6	12,3	15,1	4,8	6,1
5,0	4,9	6,8	13,8	17,4	12,8	15,8	4,8	6,3
6,0	5,0	7,1	14,4	18,6	13,4	17,0	4,8	6,6
7,0	5,0	6,9	14,5	19,5	13,8	18,0	4,5	6,7
7,5	5,0	6,9	14,5	19,8	13,8	18,4	4,3	6,7
8,0	5,0	7,1	14,7	20,1	13,8	18,7	4,0	6,7
9,0	4,6	7,2	14,8	20,4	13,6	19,2	3,3	6,7
10,0	3,6	7,2	14,9	20,4	13,0	19,5	1,8	6,5





Triangle

Emergency luminaire with shallow triangular body and integrated shutters. Body made of sheet steel, optional stainless steel.

Versions available: wall mounted to be used for escape route lighting

Special features:

- Robust design with high protection grade
- Long lamp life minimise maintenance cost (LED)
- Suitable for outdoor applications

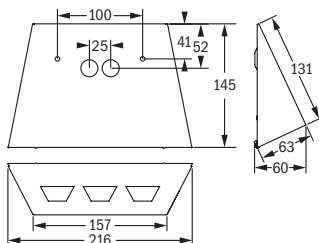


Technical data

Mounting and installation:
Luminaire for wall mounting

Body:
Sheet steel white painted (RAL 9003)
optional
Stainless steel V2A

Terminals:
Push wire terminals 2,5mm² suitable for in-out wiring



Central supply

Mains supply:
198V–254V/50Hz

Battery supply:
176V–254V

Ambient temperature:
-20 to +40°C (LED)



Central supply



Order code	Lamp	Power consumption		Ballast lumen (DC)			
		AC	DC ²	EVG	Sleb	Alog	NEA
Sheet steel version							
TM92930_1	LED 3 x 1W	10,2VA	4,6W	180lm	180lm	180lm	180lm
Stainless steel V2A version							
TM92931_1	LED 3 x 1W	10,2VA	4,6W	180lm	180lm	180lm	180lm

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,0 watt for emergency operation.

Stufen



Multifunctional luminaire for recessed mounting to be used either as exit sign or for escape route lighting. Exit sign conversion by additional films to be fixed on a framed glass pane. Escape route lighting by glare reducing lamella shutter.

Versions available: recessed mounting in walls or steps

Special features:

- Robust design with high protection grade
- Long lamp life minimise maintenance cost
- Supply of luminaires comprises recessed box



Technical data

Mounting and installation:

Luminaire for recessed mounting in walls or steps

Body:

Die cast aluminium painted grey (RAL 9006)

Cover:

Die cast aluminium painted grey (RAL 9006)

Pane:

satin glass

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Mains supply:

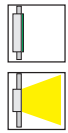
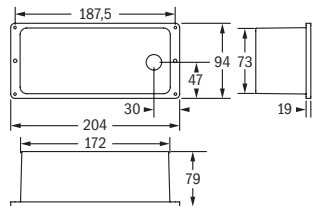
198V–254V / 50Hz

Battery supply:

176V–254V

Ambient temperature:

-10 to +40 °C (LED)



Central supply



Order code	Lamp	Power consumption		Ballast lumen (DC)			
		AC	DC ²	EVG	Sleb	Alog	NEA
Version with barn door							
TM92011_1	LED 2 x 1W	7,5VA	3,4W	120lm	120lm	120lm	120lm
Version with shutter							
TM92010_1	LED 2 x 1W	7,5VA	3,4W	120lm	120lm	120lm	120lm

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,0 watt for emergency operation.

Accessories to be ordered separately

Order code	Description	
12m		
F15021N	Exit sign film	
F15022N	Exit sign film	
F15023N	Exit sign film	





Quader

Exit sign luminaire luminaire with square body and cubicle diffuser. Exit sign films for 3-sided indication of escape routes.

Versions available: surface ceiling mounting, pendant, wire or chain suspension (three sided escape route lighting).



Technical data

Mounting and installation:
surface ceiling mounting, pendant, wire or chain suspension

Body:
Sheet steel white (RAL 9003)

Cover:
opal methacrylate

Terminals:
Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:
198V–254V/50Hz

Ambient temperature:
0 to +40°C

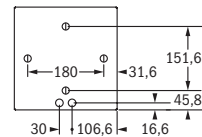
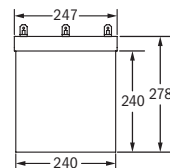
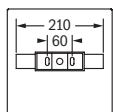
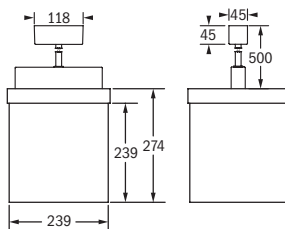
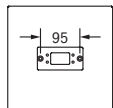
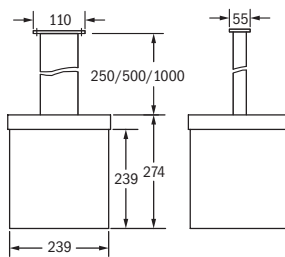
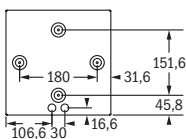
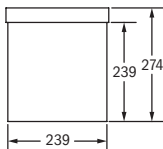
Specification:
Maintained or
non maintained mode

Central supply

Mains supply:
198V–254V/50Hz

Battery supply:
176V–254 V

Ambient temperature:
-20 to +40 °C (LED)
-10 to +40 °C (TC-SEL)



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	LOGICA SOLUTION	LOGICA SOLUTION fm	Central-
						Ballast lumen (DC) BLF	Standard ¹	Auto-test
Ceiling surface mounted, pendant and chain mounting (three sided escape route lighting) ³								
N90480L-LED	LED 3 x 1W	1h/3h	NiMH	7,2 V	1,7Ah	300lm/178lm		X X
N90480L	TC-SEL 9W	1h/3h	NiMH	7,2V	1,7Ah	82%/34%		X X
NB90480	TC-SEL 9W	1h	NiCd	4,8V	1,2Ah	38%	X	
NB90481	TC-SEL 9W	3h	NiCd	4,8V	2,2Ah	29%	X	

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately.

³ Additional accessories for ceiling mounting, pendant and bracket suspension required. Please order separately.

Central supply




Order code	Lamp	LOGICA SOLUTION		LOGICA SOLUTION				
		Power consumption AC	DC ²	Ballast lumen (DC) / BLF				
		EVG	Sleb	Alog	NEA			
Ceiling surface mounted, pendant and chain mounting (three sided escape route lighting) ³								
T92480_1-LED	LED 3 x 1W	14,5VA	6,8W	300lm	300lm	300lm	300lm	
T92480_1	TC-SEL 9W	13,2VA	6,8W	100%	75%	75%	100%	

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

³ Additional accessories for ceiling mounting, pendant and bracket suspension required. Please order separately.

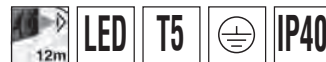
Accessories to be ordered separately

Order code	Description
22m	
F15330N	Exit sign film 
F15331N	Exit sign film 
F15332N	Exit sign film 
F95210	Adaptor for pendant rod
F95600	Rectangular pendant, 250 mm
F95601	Rectangular pendant, 500 mm
F95602	Rectangular pendant, 1000 mm
F95401	Wire suspension, max. 1200mm
F95400	Pendant rod, 500 mm
F95406	Adaptor for chain or wire suspension

Nano

Exit sign luminaire with rectangular body, clear corners and integrated frames. Escape route indication by changeable display panes. Wall mounted luminaires offer up- and downlight distribution, surface mounted luminaires offer downlight only.

Versions available: wall mounted (single face), surface ceiling mounted (double face)



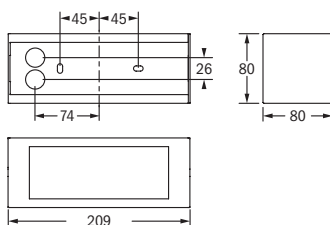
Technical data

Mounting and installation:
surface wall or ceiling mounting

Body:
Sheet steel white (RAL 9003)

Pane:
Opal methacrylate, printed

Terminals:
Push wire terminals 2,5mm² suitable for in-out wiring



Central supply

Mains supply:
198V–254V/50Hz

Battery supply:
176V–254V

Ambient temperature:
-20 to +40°C (LED)
-10 to +40 °C (T5)

Central supply

Order code	Lamp	Power consumption		Ballast lumen (DC) / BLF			
		AC	DC ²	EVG	Sleb	Alog	NEA
TM92403_1-LED	LED 3 x 1W	10,2VA	4,6W	180lm	180lm	180lm	180lm
TM92403_1	T5 4W	9,2VA	4,2W	100%	100%	100%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB and Alog require an additional power consumption of 1,5 watts for emergency operation.

Accessories to be ordered separately

Order code	Description	
E16632N	Exit sign pane	
E16631N	Exit sign pane	
E16630N	Exit sign pane	
E16634	Opal plastic pane	
E16635	Metal sheet painted in body colour	



Crater

Emergency luminaire in functional style, consisting of a circular recessed or surface mounted box and specular aluminium reflector. Horizontal lamp orientation.

Versions available: surface or recessed ceiling mounted

Special features:

- also available as general lighting luminaires



Technical data

Mounting and installation:

Luminaire for surface ceiling or recessed ceiling mounting

Body:

Sheet steel white painted (RAL 9003)

Reflector:

Specular aluminium

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring

Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40°C

Specification:

Maintained or non maintained mode

Central supply

Mains supply:

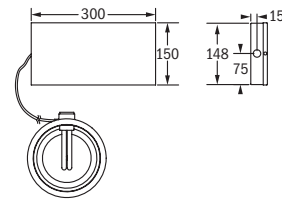
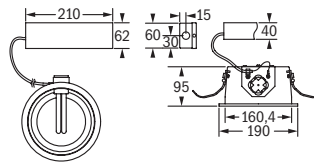
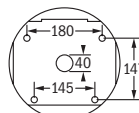
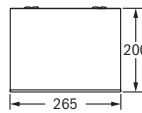
198V–254V/50Hz

Battery supply:

176V–254V

Ambient temperature:

-10 to +40 °C (TC-DEL)



Self contained



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	BLF	Standard ¹	Auto-test	Central-test ²
Version for surface mounting									
N90062L	TC-DEL 13W	1h/3h	NiMH	7,2V	1,7Ah	56%/24%		x	x
N90062	TC-DEL 13W	1h	NiCd	4,8V	1,2Ah	27%	x		
N90063	TC-DEL 13W	3h	NiCd	4,8V	2,2Ah	20%	x		
Version for recessed mounting									
N90060L	TC-DEL 13W	1h/3h	NiMH	7,2V	1,7Ah	56%/24%		x	x
N90060	TC-DEL 13W	1h	NiCd	4,8V	1,2Ah	27%	x		
N90061	TC-DEL 13W	3h	NiCd	4,8V	2,2Ah	20%	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately.

Central supply



Order code	Lamp	Power consumption			BLF		
		AC	DC ²	EVG	Sleb	Allog	NEA
Version for surface mounting							
T92079_1	TC-DEL 13W	22,8VA	11,2W	100%	100%	100%	100%
Version for recessed mounting							
T92078_1	TC-DEL 13W	22,8VA	11,2W	100%	100%	100%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Allog / with suffix N = Logica-NEA

² Versions SLEB and Allog require an additional power consumption of 1,5 watts for emergency operation.



PS 100

Emergency luminaire in industrial style, consisting of an oval body and diffuser. Transparent diffuser with longitudinal and lateral prisms. Light distribution by specular reflector of aluminised plastic with complex shape.

Versions available: Wall mounted, surface ceiling mounted

Special features:

- suitable for higher corrosive conditions
- also available as general lighting luminaires



Technical data

Mounting and installation:

Luminaire for surface wall or ceiling mounting

Body:

Polycarbonate grey (RAL 7035)

Cover:

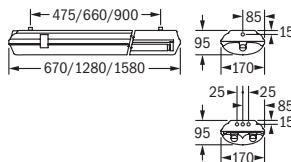
Clear polycarbonate with internal prism structure

Reflector:

Specular aluminised polycarbonate

Terminals:

Push wire terminals 2,5mm² suitable for in-out wiring



Self contained

Mains supply:

198V–254V/50Hz

Ambient temperature:

0 to +40 °C

Specification:

Maintained or

non maintained mode

Central supply

Mains supply:

198V–254V/50Hz

Battery supply:

176V–254 V

Ambient temperature:

-10 to +40 °C (T8)

Self contained



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	BLF	Standard	Auto-test	Central-test ¹
N90090L	T8 18W	1h/3h	NiCd	7,2V	2,2Ah	56% / 19%		x	x
N90090	T8 18W	1h	NiCd	6,0V	4,0Ah	30%	x		
N90091	T8 18W	3h	NiCd	6,0V	4,0Ah	16%	x		
N90092L	T8 36W	1h/3h	NiCd	7,2V	2,2Ah	28% / 9%		x	x
N90092	T8 36W	1h	NiCd	6,0V	4,0Ah	25%	x		
N90093	T8 36W	3h	NiCd	6,0V	4,0Ah	12%	x		
N90094L	T8 58W	1h/3h	NiCd	7,2V	2,2Ah	18% / 6%		x	x
N90094	T8 58W	1h	NiCd	6,0V	4,0Ah	17%	x		
N90095	T8 58W	3h	NiCd	6,0V	4,0Ah	9%	x		

¹ For FM versions please order FM-module (FB16304) separately.

Central supply



Order code	Lamp	Power consumption			BLF		
		AC	DC ²	EVG	Sleb	Alog	NEA
T92071_1	T8 18W	18,7VA	18,2W	100%	100%	100%	100%
T92072_1	T8 36W	35,7VA	34,8W	100%	100%	100%	100%
T92073_1	T8 58W	55,3VA	54,6W	100%	100%	100%	100%

¹ Order code with suffix E = electronic ballast / with suffix S = Sleb / with suffix A = Alog / with suffix N = Logica-NEA

² Versions SLEB, Alog and NEA require an additional power consumption of 1,5 watts for emergency operation.



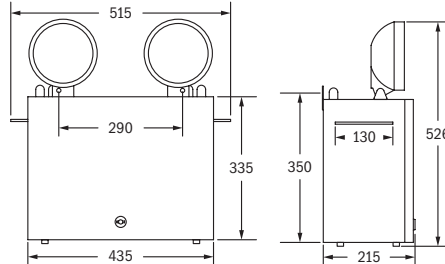
Strahler

Emergency luminaire luminaire for fixed mounting on base plates or brackets. Battery box placed in a case of sheet steel. Adjustable headlamps enable focussing the light beam at the required space.



Technical data

Battery case:
Sheet steel, grey (RAL 7032)
Adjustable headlamps:
Polyester black with prismatic front glass
Mains supply:
198V–254V/50Hz
Ambient temperature:
0 to + 40 °C
Specification:
Non maintained mode



Self contained



Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	Ballast lumen (DC)	Stan- dard ¹	Auto- test	Central- test ²
N90447L	2 x QT-Lp 20W	1h	Pb	12,0V	6,5Ah	2 x 210lm		x	x
N90447	2 x QT-Lp 20W	1h	Pb	12,0V	6,5Ah	2 x 210lm	x		
N90448L	2 x QT-Lp 20W	3h	Pb	12,0V	24,0Ah	2 x 210lm		x	x
N90448	2 x QT-Lp 20W	3h	Pb	12,0V	24,0Ah	2 x 210lm	x		
N90449L	2 x QT-Lp 55W	1h	Pb	12,0V	24,0Ah	2 x 1100lm		x	x
N90449	2 x QT-Lp 55W	1h	Pb	12,0V	24,0Ah	2 x 1100lm	x		
N90450L	2 x QT-Lp 55W	3h	Pb	12,0V	48,0Ah	2 x 1100lm		x	x
N90450	2 x QT-Lp 55W	3h	Pb	12,0V	48,0Ah	2 x 1100lm	x		

¹ Standard type supplied with test switch

² For FM versions please order FM-module (FB16304) separately.



NVG

Power pack pack for emergency operation of max. 2 general lighting luminaries. Provides A.C. output and is suitable for all light sources and types of ballast. Batteries are separated from inverter and electronic control equipment. All components are installed in a plastic cabinet and may be placed in a distance up to 500 mtrs. from the luminaries.

Special features:

- Existing luminaries of the general lighting installation may be used for emergency lighting
- Luminaries may be switched individually from non maintained to maintained mode by light switches of the general lighting installation

Remarks:

- High frequency ballasts have to be suitable for AC and DC operation under emergency lighting conditions.
- Circuits for magnetic ballasts have to be LPF and require electronic starter switches.

Technical data

Mounting and installation:
surface wall mounting

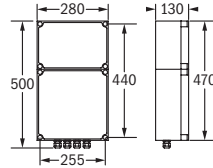
Body:
ABS plastic grey (RAL 7035)

Protection:
IP65 (electronics compartment)
IP32 (battery case)

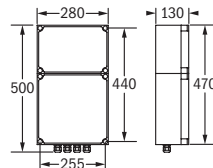
Mains supply:
198V–254V/50Hz

Ambient temperature:
0 to + 40 °C

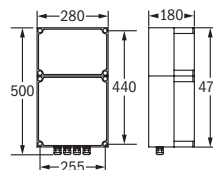
Specification:
Maintained or
non maintained mode



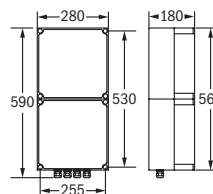
NVG_V90800L



NVG_V90801L



NVG_V90802L



NVG_V90803

Order code	Lamp	Duration	Battery type	Battery voltage	Battery capacity	BLF	Auto-test	Central-test	Central-test FM
V90800L	see table below	1h/3h	Pb	12,0V	6,5Ah	75%/100%	x	x	
V90801L	see table below	1h/3h	Pb	12,0V	13,0Ah	75%/100%	x	x	
V90802L	see table below	1h/3h	Pb	12,0V	24,0Ah	75%/100%	x	x	
V90803L	see table below	1h/3h	Pb	12,0V	40,0Ah	75%/100%	x	x	
V90800L-FM	see table below	1h/3h	Pb	12,0V	6,5Ah	75%/100%			x
V90801L-FM	see table below	1h/3h	Pb	12,0V	13,0Ah	75%/100%			x
V90802L-FM	see table below	1h/3h	Pb	12,0V	24,0Ah	75%/100%			x
V90803L-FM	see table below	1h/3h	Pb	12,0V	40,0Ah	75%/100%			x

Order code	Duration	BLF	inc. Lamp	Ballast: EVG	BLF	Ballast: VVG
V90800L	1h	100%	20W	1 x T5 14W 1 x T8 18W 1 x TC-L 18W 1 x TC-DEL 13/18W 1 x TC-TEL 13/18W 1 x TC-F 18W	75%	1 x T8 18W 1 x TC-L 18W
V90800L	3h	-	-	-	-	-
V90801L	1h	100%	60W	1 x T5 24/21/39/28/54/35/49W 1 x T8 36/58W 1 x TC-L 24/36/40/55W 1 x TC-DEL 26W 1 x TC-TEL 26/32/42/57W 1 x TC-F 24/36W 2 x T5 24/21/28W 2 x TC-L 24W 2 x TC-DEL 26W 2 x TC-TEL 26W 2 x TC-F 24W	75%	1 x T8 36/58W 1 x TC-L 24/36/40/55W 2 x T8 18W 2 x TC-L 18/24W
V90801L	3h	100%	20W	1 x T5 14W 1 x T8 18W 1 x TC-L 18W 1 x TC-DEL 13/18W 1 x TC-TEL 13/18W 1 x TC-F 18W	75%	1 x T8 18W 1 x TC-L 18W
V90802L	1h	100%	100W	1 x T5 80W 2 x T5 39/28/35/49W 2 x T8 36W 2 x TC-L 24/36/40W 2 x TC-TEL 32/42W 2 x TC-F 36W	75%	2 x T8 36W 2 x TC-L 36/40W
V90802L	3h	100%	40W	1 x T5 24/21/39/28/35W 1 x T8 36W 1 x TC-L 24/36/40W 1 x TC-DEL 26W 1 x TC-TEL 26/32W 1 x TC-F 24/36W 2 x T5 14W 2 x T8 18W 2 x TC-L 18W 2 x TC-DEL 13/18W 2 x TC-TEL 13/18W 2 x TC-F 18W	75%	1 x T8 36W 1 x TC-L 24/36W 2 x T8 18W 2 x TC-L 18W
V90803L	1h	100%	120W	2 x T8 58W 2 x TC-L 55W 2 x TC-TEL 57W	75%	2 x T8 58W 2 x TC-L 55W
V90803L	3h	100%	70W	1 x T5 54/49W 1 x T8 58W 1 x TC-L 55W 1 x TC-TEL 42/57W 2 x T5 24/21/28/35W 2 x TC-L 24W 2 x TC-DEL 26W 2 x TC-TEL 26W 2 x TC-F 24W	75%	1 x T8 58W 1 x TC-L 55W 2 x T8 36W 2 x TC-L 36/40W

Symbols of mounting types



Exit sign luminaire for wall mounting



Exit sign luminaire for recessed wall mounting



Exit sign luminaire for ceiling mounting



Exit sign luminaire for recessed ceiling mounting



Exit sign luminaire for pendant suspended mounting



Exit sign luminaire for bracket mounting



Exit sign luminaire for chain or wire suspended mounting



Emergency luminaire for wall mounting



Emergency luminaire for recessed wall mounting



Emergency luminaire for ceiling mounting



Emergency luminaire for recessed ceiling mounting

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Beghelli PRÄZISA GmbH
Lanterstraße 34
D-46539 Dinslaken
Fon +49 (0)2064 9701 - 0
Fax +49 (0)2064 9701 - 99
info@beghelli.de
www.beghelli.de