

EATON CGLINE+ WEB COMPACT CONTROLLER

Brand: Eaton | Category: Emergency Light

Product Datasheet	Website Know More PDF
Recommended Website Card Name	EATON CGLINE+ WEB COMPACT CONTROLLER
Source Datasheet	Emergency - Exit Light & Controller DATASHEET - EATON Brand.pdf

CGLine+ self-contained luminaire system
CGLine+ Web Compact Controller



CGLine+ Web Compact Controller

- For connecting up to 160 or 400 luminaires in 2 lines
- HMI with TFT LCD screen 320*480 and keypad
- 19 predictive test for fire/fault stage of the keypad
- Led status for Emergency Lighting Installation
- The integrated web server enables there to be convenient visualization, control and monitoring
- Up to 9 additional web compact controllers managed within the same web server connection
- Unique ID per luminaire assigned by the manufacturer
- Automatic luminaire search function requiring no manual addressing
- Simple sorting using unrestricted short address assignment
- Unrestricted entry of target location names for the luminaires with up to 20 characters
- Clearly-shown allocation of luminaires to 4 zones of 20 luminaires per line
- Automatic function test and duration test
- Up to 8 test groups per luminaire can be defined for the function test (FT) and duration test (DT)
- Electronic log book storage for a period of minimum 5 years
- E-mail service for sending automatic e-mail in case of malfunctions to up to 10 e-mail addresses, assignable to 2 escalation groups
- Blocking the emergency lighting function during non-operational periods (all/per bus line/per zone/per luminaire)
- Luminaires in maintained mode switchable (all/per bus line/per zone/per luminaire)
- Password protected access as an administrator or user
- Visualisation of luminaires in up to 30 different building layouts with the web server
- Efficient and convenient analysis of the log book using the CGLine+ PC software
- Compliant with the highest industry cybersecurity requirements
- Maintenance and replacement of luminaire with the local HMI
- Maintenance and replacement of luminaire with the web server interface
- Compatible with the new increased affordance (AI) functionality

Dimensional drawings, data in mm



Dimensions	288 x 203 x 60 mm
Housing type	Wall mounted
Screen	3,5 inch TFT LCD screen (320 x 480)
Power supply	230 V AC, 50/60 Hz
Power consumption	< 4 W in standby, < 34 W at full load
Connection terminals	max. 2,5 mm ²
Permissible ambient temperature	0 °C ... 35 °C
Storage temperature	0 °C ... 35 °C
Degree of protection	IP20
Emergency Lighting system	CGLine+ monitoring and management
Interface	Web server embedded

Ordering details

Type	Scope of supply	Order No.
CGLine+ Web Compact Controller	Wall mounted controller with LCD screen and keypad	CTR160CGL2KS-L
CGLine+ Web Compact Controller	Wall mounted controller with LCD screen and keypad	CTR400CGL2KS-L

Accessories

Type	Scope of supply	Order No.
CGLine+ PC software	on CD-ROM	40071361178

The CGLine+ Web compact controller is dedicated to optimize the monitoring and the maintenance of small and medium Emergency Lighting installations. It results in a maximization of the safety, an improvement of maintenance operations, and a reduction of the DgEL.

In association with our CGLine+ luminaires with 0 spare parts replacement for 10 years, Eaton offers more peace of mind to building owners and users.

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EATON LUMINAIRE - CGLine+ Web Compact Controller Datasheet (PE Edition)

Key Details

- Emergency lighting controller
- For up to 160 or 400 luminaires
- Integrated web server and LCD HMI

Original manufacturer / supplier datasheet pages are included after this cover page for technical reference.

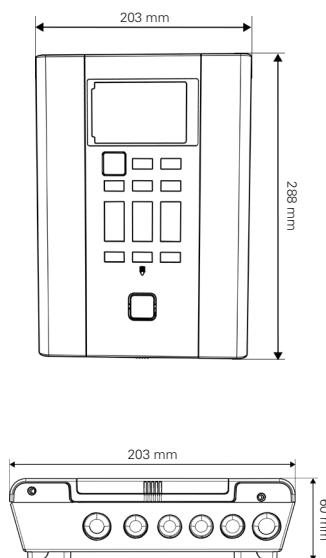
CGLine+ Web Compact Controller with integrated web server



CGLine+ Web Compact Controller

- For connecting up to 160 or 400 luminaires in 2 lines
- HMI with TFT LCD screen 320*480 and keypad
- T9 predictive text for friendly usage of the keypad
- Led status for Emergency Lighting installation
- The integrated web server enables there to be convenient visualization, control and monitoring
- Up to 9 additional web compact controllers managed within the same web server connection
- Unique ID per luminaires assigned by the manufacturer
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- Automatic function test and duration test
- Up to 8 test groups per luminaire can be defined for the function test (FT) and duration test (DT)
- Electronic log book storage for a period of minimum 4 years
- E-mail service for sending automatic e-mail in case of malfunctions to up to 10 e-mail addresses, assignable to 2 escalation groups
- Blocking the emergency lighting function during non-operational periods (all/per bus line/ per zone/per luminaire)
- Luminaires in maintained mode switchable (all/per bus line/per zone/per luminaire)
- Password protected access as an administrator or user
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Degree of protection	IP20
Emergency Lighting system	CGLine+ monitoring and management
Interface	Web server embedded

Ordering details

Type	Scope of supply	Order No.
CGLine+ Web Compact Controller	Wall mounted controller with LCD screen and keypad	CTR160CGL2KS-L
CGLine+ Web Compact Controller	Wall mounted controller with LCD screen and keypad	CTR400CGL2KS-L

Accessories

Type	Scope of supply	Order No.
CGLine+ PC software	on CD-ROM	40071361178

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CGLine+ self-contained luminaire system

CGLine+ Web Compact Controller



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Set-up of the CGLine+ Web Compact Controller



1 Status LED indicator for the EL installation:

- Green = OK
- Green blinking = at least 1 luminaire is performing a function test or duration test
- Red : Failure / event

2 TFT LCD screen with all menu, parameters and alarms

3 Keypad for navigation in the menu and set parameters

4 USB-1 host, for connecting a USB stick with LED indicator

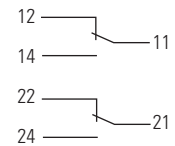
5 USB2 device, for connecting to PC with LED indicator

6 LAN (RJ45), with LED display

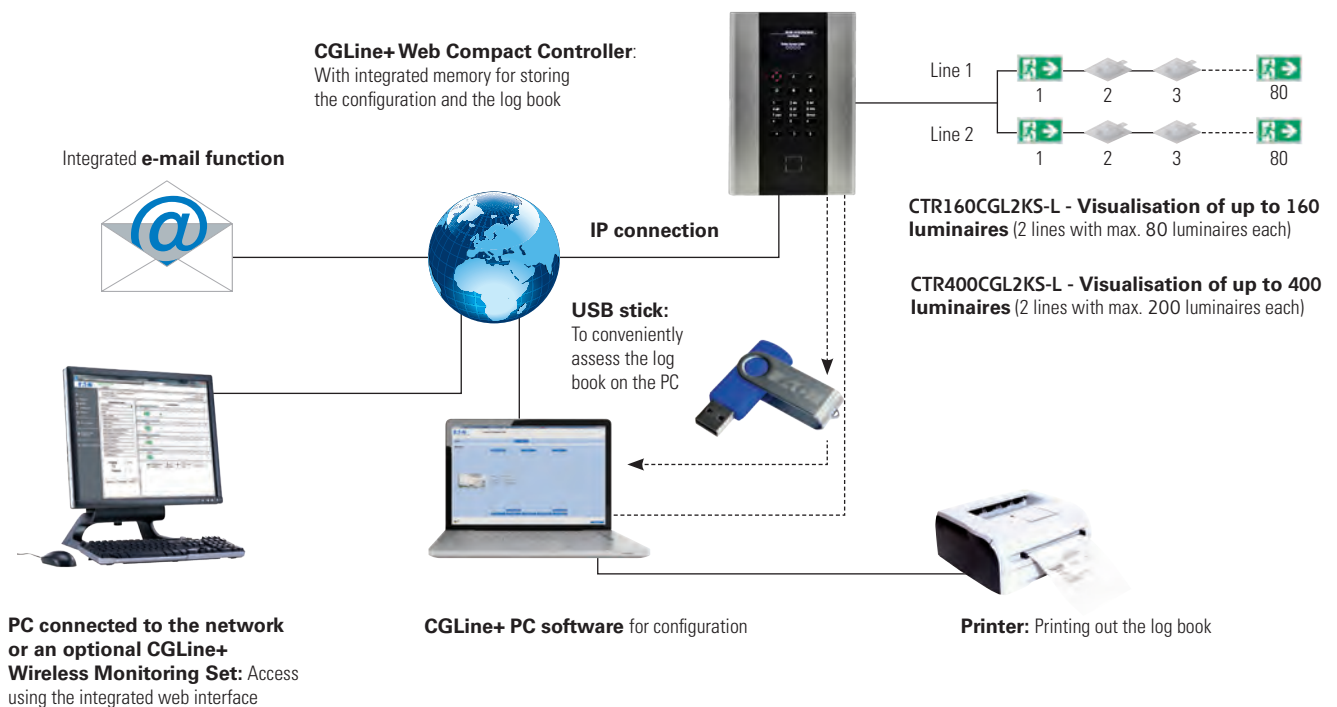
- Green = connected (link)
- Yellow = data transfer (traffic)

7 Cables entries for :

- Connection CGLine+ bus line 1-2
- PE/L/N 230V 50/60Hz
- S1/S2 = Block input
- In1, In2 = 2 x digital inputs
- 11, 12, 14, 21, 22, 24 = 2x relay outputs



CGLine+ in operation



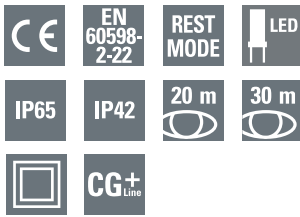
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Self-contained luminaires

SafeLite



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Safelite self-contained luminaires

- Compliant with EC standards
- EN certified
- All applications covered (Escape route, Anti-panic, Exit sign)
- One product throughout installation for same look and feel across the building
- Accessories available for a better integration in all buildings
- Easily installed as retro fit due to good performance ensuring scheme compliance
- 3h Duration
- Latest generation LEDs with high lumen/watt ratio



Recessed base:



Cone Diffuser:



Plexi Diffuser:



Recessed box:



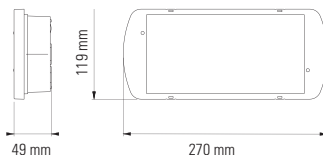
Wire guard :



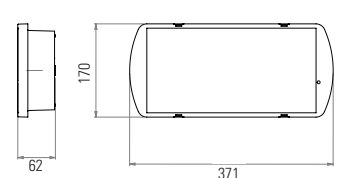
Safelite

Function	Use either as an emergency luminaire or exit sign
Testing system	Stand Alone or addressable versions (CGLine+)
Housing	Polycarbonate, Glow wire test : 850°C, RAL9003
Type of mounting	Surface Options : Recessed base for ceiling, double sided diffuser, set of 3 exit legends (L, R, D)
Terminals	up to 1x2,5 mm ² per connection
Degree of protection	IK04, IP42 or IK07, IP65
Operation Mode	Non Maintained or Maintained & Non Maintained mode selectable
Connection voltage	230V +/- 5% [220V-240V] 50-60Hz
Permissible ambient temperature	Stand Alone version : +5°C to +40°C CGLine+ version : +5°C to +45°C
Battery	Ni-Cd
Light source	LED strip
Duration	3 hours
Viewing distance	20m or 30m
Insulation class	II
Dimensions in mm	20 m viewing distance version: 270 x 119 x 49 30 m viewing distance version: 371 x 170 x 62

SafeLite 20m



SafeLite 30m



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Self-contained luminaires

SafeLite



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Order codes

Consumption

Order code	Viewing distance (m)	IP	IK	Duration (h)	Lum in emergency	Lum in mains	Operation	Consumption				Battery	Weight (kg)	Adhesive Exit Legend included
								NM VA	NM W	M VA	M W			
SL2NM42D3-L	20	42	04	3	100	-	NM	1,7	1,4	-	-	3,6V 1.7 Ah	0.5	
SL2NM65D3-L	20	65	07	3	100	-	NM	1,7	1,4	-	-	3,6V 1.7 Ah	0.6	
SL2MNM42C3C3A-L	20	42	04	3	60	60	MNM	2,7	2,6	2,8	2,7	3,6V 0.8 Ah	0.5	ISO (L, R, D)
SL2MNM65C3C3A-L	20	65	07	3	60	60	MNM	2,7	2,6	2,8	2,7	3,6V 0.8 Ah	0.5	ISO (L, R, D)
SL2MNM42D3C3A-L	20	42	04	3	100	60	MNM	3,2	2,5	3,8	3,2	3,6V 1.7 Ah	0.6	ISO (L, R, D)
SL2MNM65D3C3A-L	20	65	07	3	100	60	MNM	3,2	2,5	3,8	3,2	3,6V 1.7 Ah	0.7	ISO (L, R, D)
SL2MNM65F3C3A-L	20	65	07	3	200	60	MNM	3,2	2,5	3,8	3,2	3,6V 2 Ah	0.7	ISO (L, R, D)
SL2-42D3D-CGL-L	20	42	04	3	100	100	MNM	3	1.2	7	3,2	3,6V 1.7 Ah	0.7	
SL2-65D3D-CGL-L	20	65	07	3	100	100	MNM	3	1.2	7	3,2	3,6V 1.7 Ah	0.7	



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Accessories

Wire guard - ensures high degree of protection

SL2PG	SafeLite 20m, Wire guard
O-EL-GRID	SafeLite 30m, Wire guard

Recessed base - For full recessed mounting, compatible IP42 & IP65 variants, can be associated to double side diffusers

SL2RB	SafeLite 20m, RecesBase
SL3RB	SafeLite 30m, RecesBase

Recessed box

EATON LUMINOX - EMERGENCY LIGHTING SC - SafeLite - February 2024 (ME Edition)

SL2WB	SafeLite 20m, Wall Base
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Opal diffuser

SL2OP	SafeLite Opal Diffuser**
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**Light decrease around 5%, mesured values upon request

Wall bracket

EL-BR1	SafeLite 20m, 90° Wall Bracket
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Double side cone diffuser - compliant with EN1838

SL2CD	SafeLite 20m, Cone Diffuser*
SL3CD	SafeLite 30m, Cone Diffuser*

*Pictograms have to be ordered separately (or re use ones delivered with luminaires).

Double side plexi diffuser

SL2PPD	SafeLite 20m, Plexi Plate, one side, Down
SL2PPDD	SafeLite 20m, Plexi Plate, double side, Down
SL2PPLR	SafeLite 20m, Plexi Plate, double side, Left & Right
SL3PPD	SafeLite 30m, Plexi Plate, one side, Down
SL3PPDD	SafeLite 30m, Plexi Plate, double side, Down
SL3PPLR	SafeLite 30m, Plexi Plate, double side, Left & Right

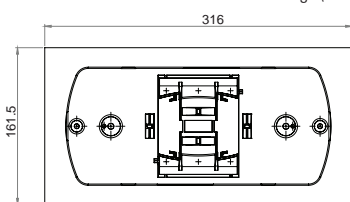
Set of adhesive exit legends

ISO7010 format

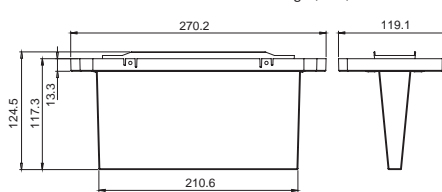
SL23A	SafeLite 20m, 3x Adh (Left, Right, Down)
SL33A	SafeLite 30m, 3x Adh (Left, Right, Down)
SL24A	SafeLite 20m, 4x Adh (Left, Right, Down, Up)
SL34A	SafeLite 30m, 4x Adh (Left, Right, Down, Up)

Other formats on demand , please liaise with the PM

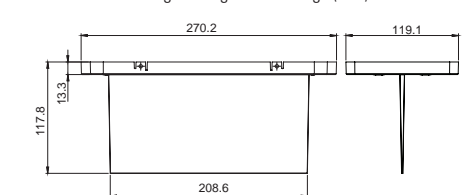
Recessed Base 20m Dimensional drawings (mm)



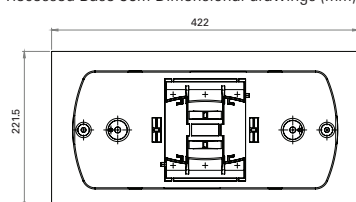
Cone Diffuser 20m Dimensional drawings (mm)



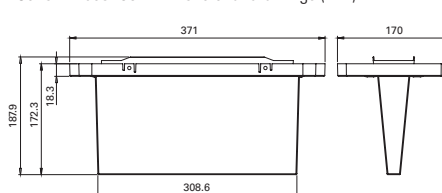
SafeLite 20m Exit Sign Plexiglass drawings (mm)



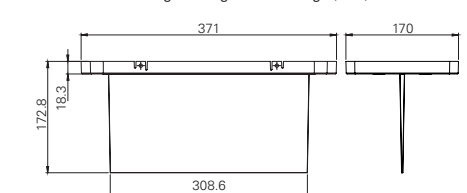
Recessed Base 30m Dimensional drawings (mm)



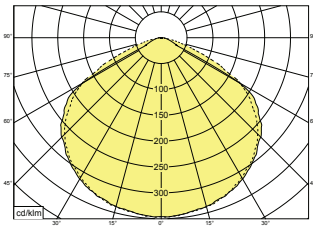
Cone Diffuser 30m Dimensional drawings (mm)



SafeLite 30m Exit Sign Plexiglass drawings (mm)



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Light distribution curve

Photometric data - 20m version, 60 lm

Escape route 2m wide 1 lux min

Mounting height [m]	Lux level directly under				
2,5	3,4	2,5	6,6	6,4	2,4
2,8	2,7	2,4	6,7	6,6	2,4
3,0	2,3	2,3	6,8	6,7	2,3
3,5	1,7	2,1	6,8	6,7	2,1
4,0	1,3	1,7	6,6	6,5	1,7
4,5	1,0	0,8	6,3	6,2	0,8

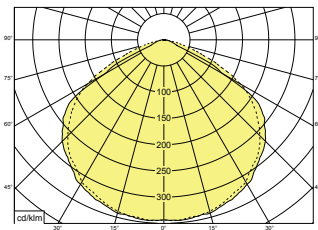
Open (anti-panic) area 1 lux min

Mounting height [m]				
2,5	2,2	5,9	5,7	2,1
2,8	2,2	6,1	5,8	2,1
3,0	2,2	6,1	5,9	2,1
3,5	2,1	6,2	6,1	2,0
4,0	1,7	6,2	6,2	1,6
4,5	1,1	6,2	6,7	1,0

Open (anti-panic) area 0.5 lux min

Mounting height [m]				
2,5	2,9	7,2	6,9	2,8
2,8	3,0	7,5	7,2	2,9
3,0	3,0	7,7	7,4	2,9
3,5	3,0	7,9	7,8	2,9
4,0	2,9	8,3	8,2	2,8
4,5	2,8	8,5	8,5	2,7

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Light distribution curve

Photometric data - 20m version, 100lm

Escape route 2m wide 1 lux min

Mounting height [m]	Lux level directly under				
2,5	5,7	3,1	7,8	7,7	3,1
2,8	4,6	3,2	8,2	8,0	3,1
3,0	4,0	3,2	8,4	8,2	3,1
3,5	2,9	3,2	8,8	8,5	3,1
4,0	2,2	3,0	8,9	8,6	3,0
4,5	1,8	2,8	8,9	8,7	2,8
5,0	1,4	2,5	8,8	8,6	2,4

Mounting height for 5 lux below 2.8 meters

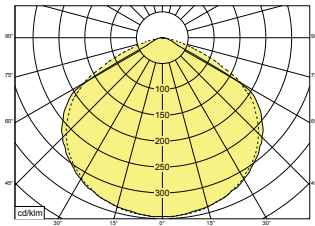
Open (anti-panic) area 1 lux min

Mounting height [m]				
2,5	2,7	6,9	6,6	2,6
2,8	2,7	7,1	6,9	2,6
3,0	2,8	7,3	7,0	2,7
3,5	2,8	7,7	7,4	2,7
4,0	2,7	7,9	7,7	2,6
4,5	2,5	8,1	8,0	2,4
5,0	2,3	8,2	8,2	2,2

Open (anti-panic) area 0.5 lux min

Mounting height [m]				
2,5	3,3	7,7	8,0	3,3
2,8	3,4	8,6	8,6	3,3
3,0	3,5	8,9	8,8	3,4
3,5	3,6	9,7	9,7	3,5
4,0	3,7	10,1	10,0	3,6
4,5	3,7	10,5	10,3	3,6
5,0	3,6	10,7	10,6	3,6

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Light distribution curve

Photometric data - 20m version, 200lm

Escape route 2m wide 1 lux min

Mounting height [m]	Lux level directly under				
2,5	10,0	3,9	8,7	9,2	3,7
2,8	8,0	4,0	9,4	9,7	3,9
3,0	7,0	4,0	9,8	9,9	3,9
3,5	5,1	4,1	10,8	10,5	4,1
4,0	3,9	4,2	11,2	11,0	4,0
4,5	3,1	4,2	11,5	11,2	4,1
5,0	2,5	4,1	11,7	11,4	4,0
5,5	2,0	3,9	11,8	11,6	3,8
6,0	1,7	3,7	11,8	11,6	3,6
6,5	1,5	3,3	11,6	11,5	3,3
7,0	1,3	2,8	11,4	11,3	2,7

Mounting height for 5 lux below 3.7 meters

Open (anti-panic) area 1 lux min

Mounting height [m]				
2,5	3,2	7,9	7,8	3,1
2,8	3,3	8,3	8,1	3,2
3,0	3,4	8,5	8,3	3,3
3,5	3,5	9,4	8,9	3,3
4,0	3,5	9,7	9,4	3,4
4,5	3,5	10,0	9,8	3,4
5,0	3,4	10,4	10,1	3,3
5,5	3,3	10,6	10,3	3,2
6,0	3,2	10,7	10,5	3,1
6,5	2,9	10,8	10,7	2,8
7,0	2,5	10,8	11,0	2,4

Open (anti-panic) area 0.5 lux min

Mounting height [m]				
2,5	3,9	9,1	9,5	3,7
2,8	4,1	9,4	9,8	3,9
3,0	4,1	9,7	10,1	4,0
3,5	4,3	11,0	10,9	4,2
4,0	4,5	11,8	11,6	4,4
4,5	4,6	12,6	12,4	4,5
5,0	4,7	13,0	12,8	4,6
5,5	4,7	13,4	13,1	4,6
6,0	4,7	13,7	13,5	4,6
6,5	4,6	14,1	13,9	4,6
7,0	4,5	14,6	14,3	4,4

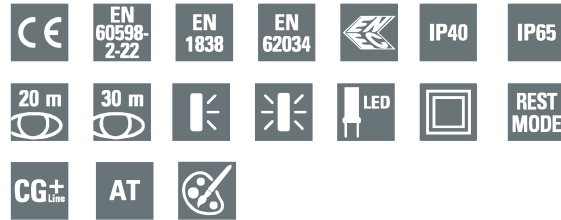
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NexiTech LED

Safety and Exit Sign Luminaires with the same design



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- 150lm & 300lm output flux
- Comparable to 8 and 11W fluorescent lamp
- Ni-Cd HT high quality batteries

Light Source:

LED strip

The modern style, the simplicity of the shapes and the high quality surfaces make NexiTech LED ideal for any architectural context, while the precision of the mechanics and the sophisticated electronics guarantee a full unmatched reliability. The latest generation of LED light source provides a good and uniform light distribution.

Material:

Base and reflector white polycarbonate

Diffuser clear polycarbonate

Protection degree IP40 and IP65 with the accessory kit

Ni-Cd battery

The wide range of accessories allows installation on a wall or ceiling, surface or recessed in indoor and harsh environments, thanks to the IP65 protection kit. It is also possible to use it as single or double-sided exit sign and to combine exit and safety lighting functions in one product.

This range is composed of maintained and non-maintained variants, 3h duration version, 300lm light output. The use of LEDs, automatic testing and monitoring devices (CG Line+) significantly reduce the operating and maintenance costs of the installation.

Installation options:

Wall and ceiling mounting

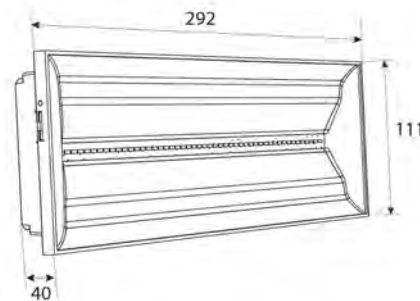
Surface or recessed installation in false ceiling and bricks wall

Single side glue-less ISO7010 pictograms with

20m viewing distance

Double side ISO7010 panels with 20 or 30m of viewing distance

Dimensions in mm



Operation:

Maintained and Non-Maintained mode on all version

Fixed 60lm output in Maintained mode for all variants for high energy saving

3h duration

Rest Mode and Tests via remote command

24h recharge period

Autotest is now for all

The reliability and the guarantee of operation are now within everyone's reach. We chose to design NexiTech LED starting directly from models with built-in diagnostic functions, all the self-contained versions (with battery on board) are equipped with a self-test system that performs automatic tests in accordance with standard EN62034 and EN50172.

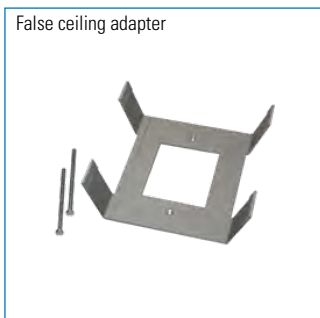
Top level signalization

The pictograms, optional and available upon request, conform to the international standard ISO7010, have no glue and can be repositioned at will and with ease, without a complex installation. They are placed between the diffuser and reflector creating a translucency which finds its maximum aesthetic applications when recessed into the wall.

Applications:

Schools, universities, commercial malls, stores, offices, public administration and all indoor generic environments

Safety antipanic lighting and escape route lighting



NexiTech LED

Safety and Exit Sign Luminaires with the same design



Powering Business Worldwide

With double-side pictograms



Viewing distance: 20 or 30m

With single-side pictograms



Nexi pictograms don't stick, but are placed behind transparent diffuser.

Viewing distance: 20m

45° Wall Bracket (IP40/IP65)



Light the floor from the wall

Nexi LED frame



Order code	Description					
NEXI1 50-3H-CGL-L	NexiTech LED 150 3h CGLine+	1.3 W - 3.1 W	150 Lm	3h	7.2V - 1.7Ah Ni-Cd	Maintained / Non-Maintained
NEXI1 50-3H-CGL-IP-L	NexiTech LED 150 3h IP65 CGLine+	1.3 W - 3.1 W	150 Lm	3h	7.2V - 1.7Ah Ni-Cd	Maintained / Non-Maintained
NEXI3 00-3H-CGL-L	NexiTech LED 300 3h CGLine+	2 W - 3.2 W	300 Lm	3h	7.2V - 1.7Ah Ni-Cd	Maintained / Non-Maintained
NEXI3 00-3H-CGL-IP-L	NexiTech LED 300 3h IP65 CGLine+	2 W - 3.2 W	300 Lm	3h	7.2V - 1.7Ah Ni-Cd	Maintained / Non-Maintained

*Non maintained - Maintained

Ordering details - Opal diffuser for Exit Sign and Safety Lighting functions

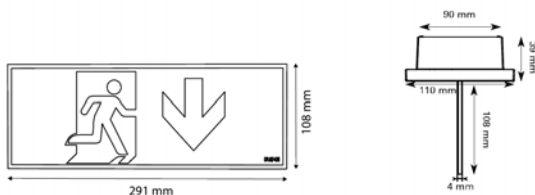
High Uniformity, complying with EN1838, suitable for Nexi LED IP40 versions

Order code	Description	Pictogram
NEXI-PLEXO-DB	NEXI PANEL OPAL 30 D-B ISO High Unifor.	30m, Down/Blank
NEXI-PLEXO-DD	NEXI PANEL OPAL 30 D-D ISO High Unifor.	30m, Down/Down
NEXI-PLEXO-LR	NEXI PANEL OPAL 30 L-R ISO High Unifor.	30m, Left/Right
NEXI-PLEXO-UB	NEXI PANEL OPAL 30 U-B ISO High Unifor.	30m, Up/Blank
NEXI-PLEXO-UU	NEXI PANEL OPAL 30 U-U ISO High Unifor.	30m, Up/Up
NEXI-PLEXO-20-DB	NEXI PANEL OPAL 20 D-B ISO High Unifor.	20m, Down/Blank
NEXI-PLEXO-20-DD	NEXI PANEL OPAL 20 D-D ISO High Unifor.	20m, Down/Down
NEXI-PLEXO-20-LR	NEXI PANEL OPAL 20 L-R ISO High Unifor.	20m, Left/Right
NEXI-PLEXO-20-UB	NEXI PANEL OPAL 20 U-B ISO High Unifor.	20m, Up/Blank
NEXI-PLEXO-20-UU	NEXI PANEL OPAL 20 U-U ISO High Unifor.	20m, Up/Up

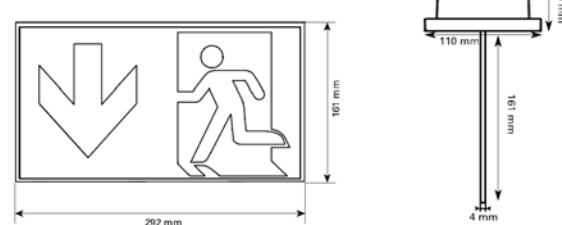


Nexi LED 30m viewing distance

Nexi LED 20m viewing distance



Nexi LED 30m viewing distance



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Nexi LED recessed using false ceiling adapter + Edge light panel



Nexi LED + Edge light panel



Nexi LED + finishing frame + Edge light panel

High Uniformity, complying with EN1838, suitable for Nexi LED IP40 versions

Order code	Description	Pictogram
NEXI-PLEX-20-DB	NEXI PANEL 20 D-B ISO High Unifor.	20m, Down/Blank
NEXI-PLEX-20-DD	NEXI PANEL 20 D-D ISO High Unifor.	20m, Down/Down
NEXI-PLEX-20-LR	NEXI PANEL 20 LR ISO High Unifor.	20m, Left/Right
NEXI-PLEX-20-UB	NEXI PANEL 20 U-B ISO High Unifor.	20m, Up/Blank
NEXI-PLEX-20-UU	NEXI PANEL 20 U-U ISO High Unifor.	20m, Up/Up
NEXI-PLEX-DB	NEXI PANEL 30 D-B ISO High Unifor.	30m, Down/Blank
NEXI-PLEX-DD	NEXI PANEL 30 D-D ISO High Unifor.	30m, Down/Down
NEXI-PLEX-LR	NEXI PANEL 30 LR ISO High Unifor.	30m, Left/Right
NEXI-PLEX-UB	NEXI PANEL 30 U-B ISO High Unifor.	30m, Up/Blank
NEXI-PLEX-UU	NEXI PANEL 30 U-U ISO High Unifor.	30m, Up/Up

Standard uniformity, suitable for Nexi LED IP40 versions

NEXI-PLEXLDB	NEXI PANEL 30 D-B ISO Lite Unifor.	30m, Down/Blank
NEXI-PLEXLDD	NEXI PANEL 30 D-D ISO Lite Unifor.	30m, Down/Down
NEXI-PLEXLLR	NEXI PANEL 30 LR ISO Lite Unifor.	30m, Left/Right

Standard uniformity, suitable for Nexi LED IP65 versions

NEXI-PLEX-IP	NEXI PANEL 30 ISO Lite Unifor. Delivered with 7 stickers	
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Single-side pictograms

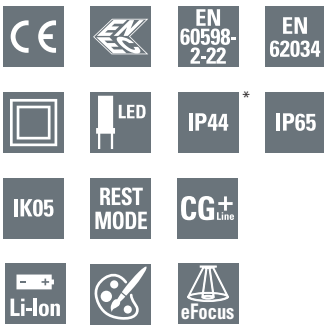
NEXI-PICTO-D	Pictogram Down ISO single-side 20m	
NEXI-PICTO-L	Pictogram Left ISO single-side 20m	
NEXI-PICTO-R	Pictogram Right ISO single-side 20m	
NEXI-PICTO-U	Pictogram Up ISO single-side 20m	

Accessories

NEXI-IP	IP65 protection kit
NEXI-WB45	45° Wall Bracket (IP40/IP65)*
EL-BR1	90° Wall Bracket (IP40/IP65)*
NEXI-RB	Bricks wall recessed base (cut-out 277x100mm)
NEXI-FC	False ceiling adapter (cut-out 272x95mm)
NEXI-FR	Finishing frame NexiTech LED
LUM10312	Rest-Mode and Test telecommand

* available in 2019

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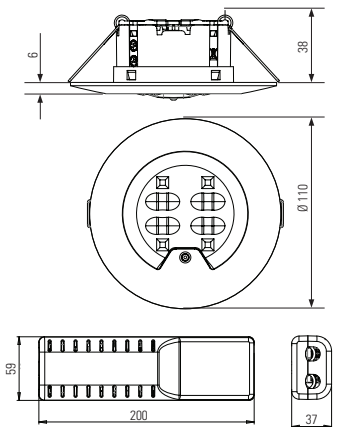
RoundTech Medium Recessed

- LED self-contained safety luminaire
- Installation up to 12m with optimum spacing of 43m for 1lux illumination
 - LowBay: Installation up to 7.5m height
 - HiBay: Installation up to 12m height
- eFocus programming: narrow and wide light distribution, programmed by the user
 - One product applicable for Escape Route or Open Area illumination
 - User / installer to define light distribution to fit the application
- Suitable for use in cinemas, theatres, shopping malls, industrial units, healthcare or hotels
- Automatic test for reduced inspection effort in autonomous installation or connection to CGLine+
- Simple fault analysis and status display via bicolor LED
- Selectable operation mode (Maintained or Non-Maintained) via switch or external contact
- Brightness selectable in mains operation (60lm) via magnet with additional setting (30%, 70%, 100%)
- Easy recessed installation via standard hole saw (Ø 64-78mm)
- Low eco footprint thanks to its eco-design, low consumption and lithium battery
- Round or Square trim available for aesthetic customization options and colours

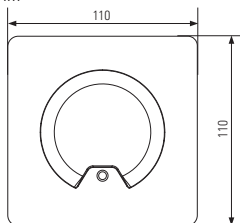
RoundTech MR SEO



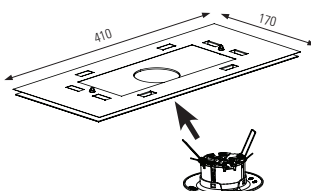
Dimensions in mm



Square trim



Renovation trim



Luminous flux	150lm, 200lm, 400lm
Operation	Non-Maintained, Maintained / Non-Maintained
Duration	1h or 3h
Testing system	Test by magnet, Automatic Test, test by remote control (TLU) Telecommand
Connection terminals	up to 1x2.5 mm ² with screw up to 1x2.5 mm ² with screw, removable up to 2x2.5 mm ² screwless pushwire In & Out mains terminals (L, N, E) CGLine+ bus through-wiring up to 2,5 mm ²
Rated voltage	220-240 V AC, 50/60 Hz
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing colour	White RAL9003 (custom color variants available)
Insulation Class	Class II
Color Rendering Index	R70
Color Temperature	5700K
Light source	4 LEDs Escape Route / 4 LEDs Open Area
Permissible ambient temperature	+5°C to +45°C

Ordering details

Order code	Description	Icons
Stand Alone		
RT2RSO150SA3HL	RoundTech Med. Recessed SA NM IP44	Open area 0.6VA/0.3W 3h 150 lm LiFePO4 3.2V / 3Ah
CGLine+		
RT2RSEO200CGL3HIPL	RoundTech Med. Recessed CGL+ MNM IP65	✓ 1.8VA/1.1W 3h 200 lm LiFePO4 3.2V / 3Ah
CGLine+ High bay variant for application up to 12m of height		
RT2RHEO200CGL3HIPL	RoundTech Med. Recessed CGL+ MNM IP65	✓ 1.8VA/1.1W 3h 200 lm LiFePO4 3.2V / 3Ah

Accessories

		Black mat RAL9005	Dark Grey RAL7015	Silver gloss RAL9007
	RT2R-RT Round trim for RoundTech Medium Recessed	RT2R-RTB	RT2R-RTG	RT2R-RTS
	RT2R-ST Square trim for RoundTech Medium Recessed	RT2R-STB	RT2R-STG	RT2R-STS
	RT2R-RP Renovation Plate for RoundTech medium Recessed			
	RT2R-BAT1 Battery Pack, LifePO4 3.2V 1.5Ah			
	RT2R-BAT3 Battery Pack, LifePO4 3.2V 3Ah			
	EMN Eaton Magnet for configuration and tests			

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* Degree of protection of the luminaire: IP44 or IP65 (Once installed in the ceiling, the luminaire face is rated IP44 or IP65)
Degree of protection of the module housing: IP20

Safety Luminaire

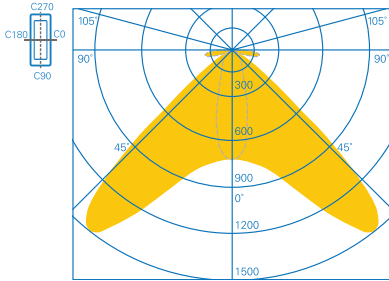
RoundTech MR SEO



Powering Business Worldwide

eFocus, Escape Route light distribution, enables installations for corridors, escape routes and maximizes the distance between lighting fixtures. A maximum spacing of up to 43m between luminaires reduces the number of required light points and an application range from 2.5m up to 12m for 1Lux, enables mounting at the normally occurring heights.

RoundTech MR Escape Route light distribution



Ceiling mounting, Escape Route, HiBay

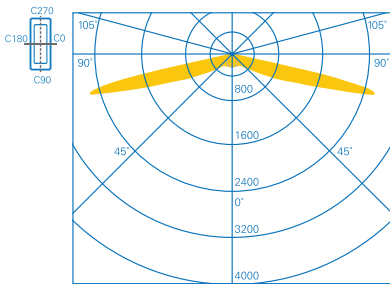
HiBay - Planning help for RoundTech 1.0 lx / 0.5lx

Maintenance factor MF = 94 %, battery operation, ceiling mounting and distances in m

Mounting height [m]	Lux level directly under	Diagrammatic representations of luminaire spacings			
2,5	23,4	2,1 (2,6)	5,2 (5,9)	3,6 (4,1)	8,1 (8,7)
3,0	16,2	2,1 (2,8)	5,6 (6,7)	4,0 (4,6)	9,1 (10,3)
3,5	11,9	2,1 (2,9)	5,9 (7,3)	4,4 (5,0)	10,1 (11,5)
4,0	9,1	2,1 (3,0)	6,0 (7,7)	4,8 (5,5)	11,0 (12,5)
5,0	5,8	2,1 (3,0)	6,0 (8,3)	5,6 (6,3)	12,7 (14,4)
6,0	4,0	2,0 (2,9)	5,9 (8,6)	6,4 (7,1)	14,3 (16,2)
7,5	2,6	1,9 (2,9)	5,8 (8,4)	7,5 (8,2)	16,5 (18,6)
9,0	1,8	1,8 (2,8)	5,7 (8,3)	8,4 (9,4)	18,9 (21,0)
10,0	1,4	1,6 (2,7)	5,5 (8,3)	9,0 (10,2)	20,4 (22,5)
11,0	1,2	1,4 (2,7)	5,4 (8,2)	9,3 (10,9)	21,8 (24,0)
12,0	1,0	0,4 (2,7)	5,3 (8,1)	9,3 (11,5)	23,1 (25,6)

Ceiling mounting
Escape route center
200lm HiBay

RoundTech MR Escape Route light distribution



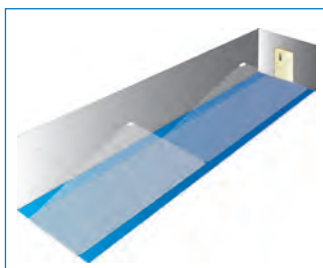
Ceiling mounting, Escape Route, LowBay

LowBay - Planning help for RoundTech 1.0 lx / 0.5lx

Maintenance factor MF = 94 %, battery operation, ceiling mounting and distances in m

Mounting height [m]	Lux level directly under	Diagrammatic representations of luminaire spacings			
3,0	10,9	2,5 (3,1)	6,3 (7,7)	11,2 (12,2)	24,4 (26,2)
3,5	8,0	2,7 (3,3)	6,6 (6,6)	12,5 (13,7)	27,4 (29,7)
4,0	6,1	2,9 (3,5)	6,9 (6,9)	13,7 (15,2)	30,4 (33,0)
5,0	3,9	3,2 (3,8)	7,6 (7,6)	15,6 (17,8)	35,7 (39,1)
6,0	2,7	3,4 (4,2)	8,4 (8,4)	16,1 (20,1)	40,2 (44,9)
7,0	2,0	3,5 (4,5)	9,1 (9,1)	12,6 (21,9)	43,0 (50,1)
7,5	1,7	3,4 (4,6)	9,3 (9,3)	11,3 (22,6)	42,3 (52,6)
2,5	7,8	1,9 (2,3)	4,7 (5,9)	8,9 (9,7)	19,5 (21,1)
3,0	5,4	2,1 (2,5)	5,0 (6,3)	10,0 (11,2)	22,4 (24,4)
3,5	4,0	2,3 (2,7)	5,4 (6,6)	10,9 (12,5)	25,0 (27,4)
4,0	3,0	2,4 (2,9)	5,8 (6,9)	11,5 (13,7)	27,4 (30,4)
5,0	1,9	2,4 (3,2)	6,4 (7,6)	8,8 (15,6)	30,4 (35,7)
6,0	1,3	2,1 (3,4)	6,8 (8,4)	2,9 (16,1)	26,6 (40,2)

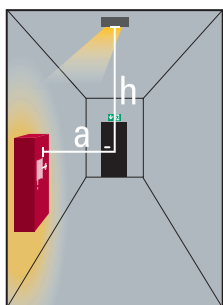
Ceiling mounting
Escape route center
200lm LowBay



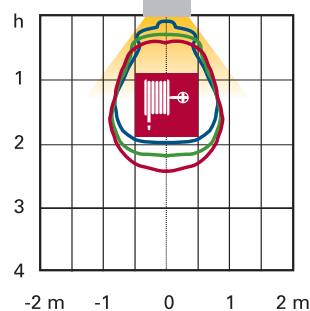
Escape route for 1 lux

* Spacing tables above are examples of performance of certain models with specific lumen output, installed on ceiling and specific heights. Complete performance characteristics for all models and all installation heights and can be derived by the use of the LDT files available on request.

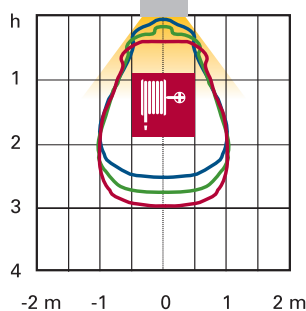
Points of emphasis



200lm with maintenance factor 0.94



400lm with maintenance factor 0.94



Area in which a minimum illuminance of 5lx is achieved, depending on distance a and the rated operating time:

a = 2.0 m SE

a = 1.5 m SE

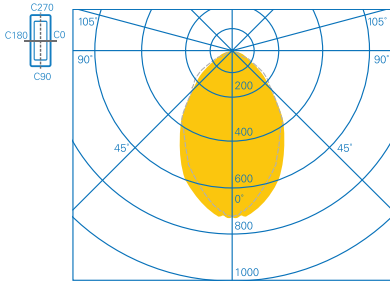
a = 1.0 m SE

Rotation during application of the light head is required in order to illuminate safety points.

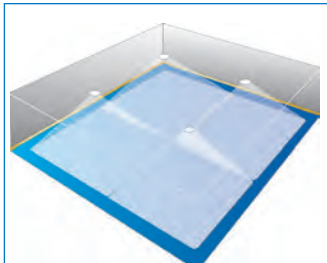


eFocus, Open Area light distribution, enables installations for large areas where no fixed escape route is defined, meaning that the complete area must be illuminated. A maximum spacing of up to 24.9m between luminaires reduces the number of required light points and an application range from 2.5m up to 16m for 0.5Lux, enables mounting at the normally occurring heights.

RoundTech MR Escape Route light distribution



Ceiling mounting,
Open area, HiBay



Open area for 0.5 lux

HiBay - Planning help for RoundTech 1.0 lx / 0.5lx

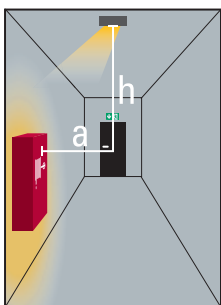
Maintenance factor MF = 94 %, battery operation, ceiling mounting and distances in m

Luminaire type	Height (m)	Distance for 1 lx (0.5 lx)			
	3,0	2,8 (3,4)	6,9 (8,2)	2,8 (3,4)	6,8 (8,2)
	3,5	3,0 (3,6)	7,3 (8,8)	3,0 (3,6)	7,2 (8,8)
	4,0	3,1 (3,7)	7,8 (9,4)	3,1 (3,7)	7,6 (9,4)
	4,5	3,2 (3,9)	8,2 (9,9)	3,2 (3,9)	8,0 (9,8)
	5,5	3,3 (4,2)	9,0 (10,8)	3,3 (4,2)	8,8 (10,6)
	6,5	3,4 (4,4)	9,6 (11,6)	3,4 (4,4)	9,4 (11,4)
	8,0	3,3 (4,5)	10,2 (12,8)	3,3 (4,5)	10,1 (12,6)
	9,0	3,1 (4,6)	10,6 (13,4)	3,1 (4,6)	10,5 (13,2)
	10,0	2,9 (4,5)	10,8 (14,0)	2,9 (4,5)	10,6 (13,8)
	12,0	0,0 (4,3)	0,0 (14,7)	0,0 (4,3)	0,0 (14,6)
	13,0	0,0 (4,1)	0,0 (15,0)	0,0 (4,1)	0,0 (14,9)
	14,0	0,0 (3,9)	0,0 (15,1)	0,0 (3,9)	0,0 (15,1)
	15,0	0,0 (3,6)	0,0 (15,1)	0,0 (3,6)	0,0 (15,4)
	16,0	0,0 (3,2)	0,0 (15,1)	0,0 (3,2)	0,0 (15,5)

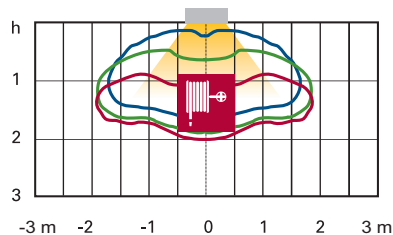
Ceiling mounting
Room illumination
200lm HiBay

* Spacing tables above are examples of performance of certain models with specific lumen output, installed on ceiling and specific heights. Complete performance characteristics for all models and all installation heights and can be derived by the use of the LDT files available on request.

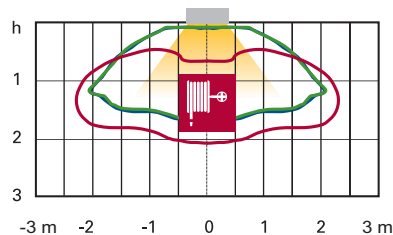
Points of emphasis



200lm with maintenance factor 0.94



400lm with maintenance factor 0.94



Area in which a minimum illuminance of 5lx is achieved, depending on distance a and the rated operating time:

a = 2.0 m SO

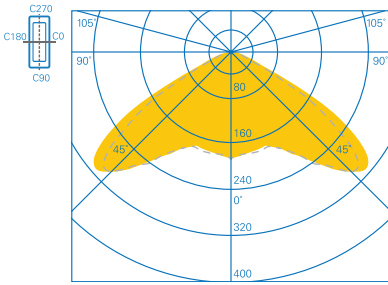
a = 1.5 m SO

a = 1.0 m SO

Rotation during application of the light head is required in order to illuminate safety points.

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RoundTech MR
Open area light distribution



Ceiling mounting,
Open area, LowBay

LowBay - Planning help for RoundTech 1.0 lx / 0.5lx

Maintenance factor MF = 94 %, battery operation, ceiling mounting and distances in m

Luminaire type	Height (m)	Distance for 1 lx (0.5 lx)			
Ceiling mounting Room illumination 400lm LowBay	2,5	4,6 (5,3)	10,0 (11,1)	4,6 (5,3)	10,5 (11,6)
	3,0	5,0 (5,9)	11,3 (12,6)	5,0 (5,9)	11,9 (13,2)
	3,5	5,3 (6,4)	12,5 (14,0)	5,3 (6,4)	13,1 (14,8)
	4,0	5,5 (6,7)	13,5 (15,4)	5,5 (6,7)	14,2 (16,2)
	4,5	5,6 (7,1)	14,3 (16,6)	5,6 (7,1)	15,1 (17,5)
	5,0	5,6 (7,4)	14,9 (17,7)	5,6 (7,4)	15,9 (18,7)
	5,5	5,2 (7,6)	15,3 (18,8)	5,2 (7,6)	16,5 (19,8)
Ceiling mounting Room illumination 200lm LowBay	2,5	3,9 (4,6)	8,9 (10,0)	3,9 (4,6)	9,3 (10,5)
	3,0	4,1 (5,0)	9,8 (11,3)	4,1 (5,0)	10,3 (11,9)
	3,5	4,1 (5,3)	10,5 (12,5)	4,1 (5,3)	11,2 (13,1)
	4,0	3,5 (5,5)	11,3 (13,5)	3,5 (5,5)	11,7 (14,2)
Ceiling mounting Room illumination 150lm LowBay	2,5	3,6 (4,3)	8,4 (9,5)	3,6 (4,3)	8,8 (10,0)
	3,0	3,6 (4,6)	9,1 (10,7)	3,6 (4,6)	9,6 (11,3)
	3,5	3,0 (4,9)	9,9 (11,8)	3,0 (4,9)	10,2 (12,3)
	4,0	2,2 (4,9)	10,3 (12,5)	2,2 (4,9)	10,4 (13,3)
	4,5	3,8 (4,8)	13,1 (13,0)	3,8 (4,8)	2,4 (14,0)
5,0	3,5 (4,0)	2,0 (14,0)	3,5 (4,0)	14,3 (14,4)	

* Spacing tables above are examples of performance of certain models with specific lumen output, installed on ceiling and specific heights. Complete performance characteristics for all models and all installation heights and can be derived by the use of the LDT files available on request.

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