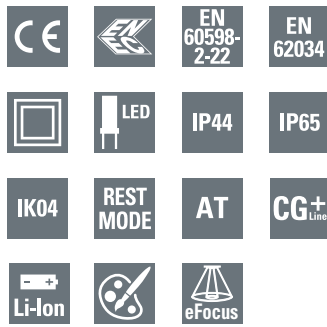


Safety Luminaire

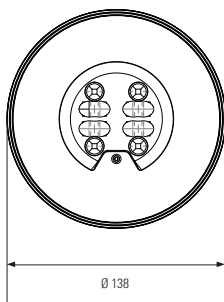
RoundTech MS SEO



RoundTech MS SEO



Dimensions in mm



RoundTech Medium Surface

- LED self-contained safety luminaire
- Installation up to 23.5m with optimum spacing of 39m for 1lux illumination
 - LowBay: Installation up to 6m height
 - HiBay: Installation up to 23.5m 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 installation in concrete ceilings where recessed variant can't sit
- 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%)
- Low eco footprint thanks to its eco-design, low consumption and lithium battery
- Other colour options available (Black, Dark grey, silver)

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								
Stand Alone									
RT2SSO150SA1H	RoundTech MS SO SA NM 1H IP44	Open area	0.6VA/0.3W	1h	150 lm	LiFePO4 3.2V / 1.5Ah			
RT2SSO150SA3H	RoundTech MS SO SA NM 3H IP44	Open area	0.6VA/0.3W	3h	150 lm	LiFePO4 3.2V / 3Ah			
RT2SSEO200STF1HIP	RoundTech MS SEO STF MNM 1H IP65	✓	1.8VA/1.1W	1h	200 lm	LiFePO4 3.2V / 1.5Ah			
RT2SSEO200STF3HIP	RoundTech MS SEO STF MNM 3H IP65	✓	1.8VA/1.1W	3h	200 lm	LiFePO4 3.2V / 3Ah			
Auto-test									
RT2SSEO200ATF1H	RoundTech MS SEO ATF MNM 1H	✓	1.8VA/1.1W	1h	200 lm	LiFePO4 3.2V / 1.5Ah			
RT2SSEO200ATF3H	RoundTech MS SEO ATF MNM 3H	✓	1.8VA/1.1W	3h	200 lm	LiFePO4 3.2V / 3Ah			
RT2SSEO200ATF1HIP	RoundTech MS SEO ATF MNM 1H IP65	✓	1.8VA/1.1W	1h	200 lm	LiFePO4 3.2V / 1.5Ah			
RT2SSEO200ATF3HIP	RoundTech MS SEO ATF MNM 3H IP65	✓	1.8VA/1.1W	3h	200 lm	LiFePO4 3.2V / 3Ah			
RT2SSEO400ATF1HIP	RoundTech MS SEO ATF MNM 1H IP65	✓	1.8VA/1.1W	1h	400 lm	LiFePO4 3.2V / 3.2Ah			
CGLine+									
RT2SSEO200CGL1HIP	RoundTech MS SEO CGL+ MNM 1H IP65	✓	1.8VA/1.1W	1h	200 lm	LiFePO4 3.2V / 1.5Ah			
RT2SSEO200CGL3HIP	RoundTech MS SEO CGL+ MNM 3H IP65	✓	1.8VA/1.1W	3h	200 lm	LiFePO4 3.2V / 3Ah			
● RT2SSEO200CGL3HIPB	RoundTech MS SEO CGL+ MNM 3H IP65 BLACK	✓	1.8VA/1.1W	3h	200 lm	LiFePO4 3.2V / 3Ah			
● RT2SSEO200CGL3HIPG	RoundTech MS SEO CGL+ MNM 3H IP65 GREY	✓	1.8VA/1.1W	3h	200 lm	LiFePO4 3.2V / 3Ah			
● RT2SSEO200CGL3HIPs	RoundTech MS SEO CGL+ MNM 3H IP65 SILVER	✓	1.8VA/1.1W	3h	200 lm	LiFePO4 3.2V / 3Ah			
RT2SSEO400CGL1HIP	RoundTech MS SEO CGL+ MNM 1H IP65	✓	1.8VA/1.1W	1h	400 lm	LiFePO4 3.2V / 3.2Ah			
Auto-test and CGLine+ High bay variants									
RT2SHEO200CGL3HIP	RoundTech MS HEO CGL+ MNM 3H IP65	✓	1.8VA/1.1W	3h	200 lm	LiFePO4 3.2V / 3Ah			
RT2SHEO400ATF1HIP	RoundTech MS HEO ATF MNM 1H IP65	✓	1.8VA/1.1W	1h	400 lm	LiFePO4 3.2V / 3.2Ah			
RT2SHEO400CGL1HIP	RoundTech MS HEO CGL+ MNM 1H IP65	✓	1.8VA/1.1W	1h	400 lm	LiFePO4 3.2V / 3.2Ah			

Accessories

RT2S-BAT1	Battery Pack LifePO4 3.2V 1.5AH
RT2S-BAT3	Battery Pack LifePO4 3.2V 3AH
EMN	Eaton Magnet for configuration and tests

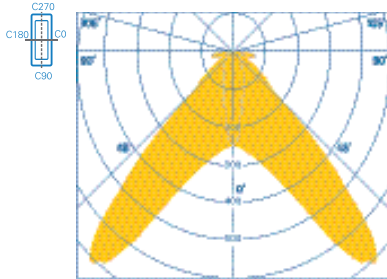
Safety Luminaire

RoundTech MS SEO



eFocus, Escape Route light distribution, enables installations for corridors, escape routes and maximizes the distance between lighting fixtures. A maximum spacing of up to 39m between luminaires reduces the number of required light points and an application range from 2.5m up to 23.5m for 1Lux, enables mounting at the normally occurring heights.

RoundTech MS Escape Route light distribution



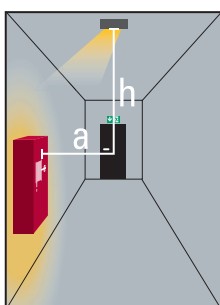
Ceiling mounting,
Escape Route, HiBay

HiBay - Planning help for RoundTech 1.0 lx / 0.5lx

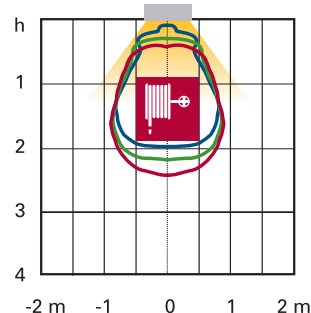
Maintenance factor MF = 94 %, battery operation, ceiling mounting and distances in m

	Mounting height [m]	Lux level directly under				
Ceiling mounting Escape route center 200lm HiBay	2,5	23,1	2,1 (2,6)	5,1 (6,0)	3,6 (4,1)	8,1 (9,0)
	3,0	16,0	2,1 (2,8)	5,6 (6,7)	4,0 (4,6)	9,1 (10,3)
	3,5	11,8	2,1 (2,9)	5,9 (7,2)	4,4 (5,1)	10,1 (11,4)
	4,0	9,0	2,1 (3,0)	6,0 (7,7)	4,9 (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 (16,1)
	7,5	2,6	1,9 (2,9)	5,8 (8,4)	7,5 (8,3)	16,5 (18,6)
	9,0	1,8	1,9 (2,8)	5,6 (8,3)	8,5 (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 (25,5)
Ceiling mounting Escape route center 400lm HiBay	2,5	38,2	2,9 (3,6)	7,1 (7,2)	4,2 (4,7)	8,9 (9,3)
	3,0	26,4	2,9 (3,9)	7,8 (8,6)	4,8 (5,3)	10,7 (10,7)
	4,0	14,8	3,3 (4,1)	8,2 (10,7)	5,9 (6,6)	13,1 (14,3)
	6,0	6,6	3,6 (4,8)	9,6 (11,8)	7,5 (8,6)	17,3 (19,4)
	8,0	3,7	3,2 (5,0)	10,1 (13,3)	9,1 (10,3)	20,5 (23,6)
	10,0	2,4	2,7 (4,8)	9,7 (14,2)	10,7 (11,7)	23,5 (27,1)
	12,0	1,6	2,1 (4,4)	8,8 (14,2)	12,0 (13,5)	27,0 (30,0)
	14,0	1,2	1,6 (3,8)	7,7 (13,8)	13,1 (15,0)	30,1 (33,0)
	15,0	1,0	0,4 (3,6)	7,2 (13,4)	13,5 (15,7)	31,5 (34,8)

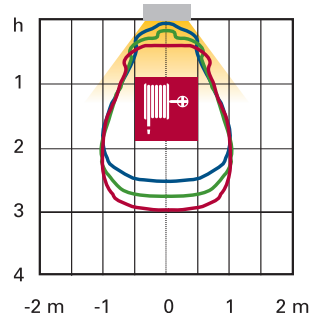
Points of emphasis



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

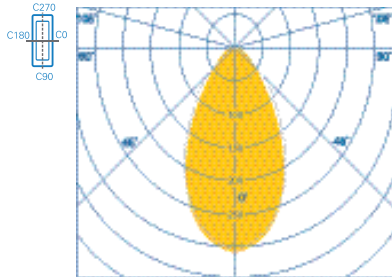
Rotation during application of the light head is required in order to illuminate safety points.

Safety Luminaire

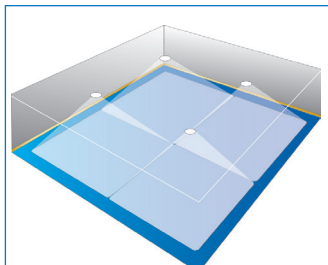
RoundTech MS SEO



RoundTech MS Open area light distribution



Ceiling mounting,
Open area, HiBay



Open area for 0.5 lux

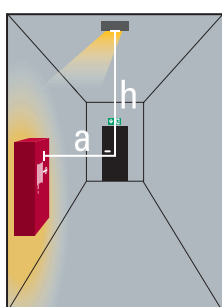
HiBay - Planning help for RoundTech 1.0 lx / 0.5lx

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

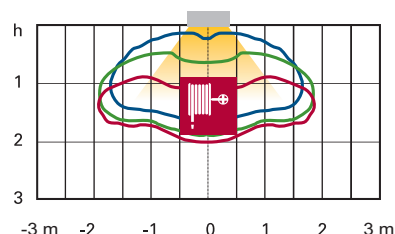
Luminaire type	Height (m)	Distance for 1 lx (0.5 lx)			
Ceiling mounting Room illumination 200lm HiBay	2,5	2,5 (2,9)	6,4 (7,8)	2,5 (2,8)	6,5 (7,8)
	3,0	2,7 (3,2)	7,0 (8,5)	2,6 (3,0)	7,0 (8,4)
	3,5	2,8 (3,3)	7,5 (9,1)	2,8 (3,2)	7,5 (9,1)
	4,0	2,9 (3,5)	8,0 (9,7)	2,9 (3,4)	7,9 (9,6)
	5,0	3,0 (3,8)	8,7 (10,7)	3,1 (3,7)	8,7 (10,6)
	6,0	3,2 (3,9)	9,4 (11,5)	3,2 (4,0)	9,4 (11,5)
	7,5	3,1 (4,2)	10,0 (12,6)	3,1 (4,3)	10,2 (12,6)
	9,0	2,8 (4,4)	10,0 (13,6)	2,7 (4,3)	10,8 (13,5)
	10,0	2,5 (4,2)	11,0 (14,1)	2,4 (4,3)	11,1 (14,1)
	12,0	2,2 (4,1)	11,0 (14,6)	1,9 (4,1)	11,2 (14,6)
	15,0	1,5 (3,7)	11,0 (15,2)	0,5 (3,7)	11,4 (15,3)
	20,0	0,5 (3,2)	10,0 (15,8)	0,5 (2,7)	10,4 (15,7)
	25,0	0,5 (1,9)	8,2 (15,7)	0,5 (0,7)	8,1 (16,1)
	30,0	0,5 (1,2)	6,0 (14,7)	0,5 (0,5)	6,1 (15,2)
Ceiling mounting Room illumination 400lm HiBay	3,0	3,3 (3,5)	7,7 (3,0)	3,3 (3,3)	7,7 (2,8)
	4,0	3,7 (4,3)	8,9 (10,7)	3,7 (4,3)	8,8 (10,6)
	6,0	4,2 (5,1)	11,0 (13,0)	4,2 (5,1)	10,8 (12,9)
	8,0	4,6 (5,7)	12,5 (15,0)	4,6 (5,7)	12,2 (14,8)
	10,0	4,7 (6,1)	13,8 (16,6)	4,7 (6,1)	13,4 (16,3)
	12,0	4,5 (6,3)	15,0 (18,2)	4,5 (6,3)	14,4 (17,8)
	15,0	3,7 (6,4)	16,1 (20,0)	3,7 (6,4)	15,5 (19,4)
	18,0	- (6,0)	- (21,6)	- (6,0)	- (20,7)
	20,0	- (5,5)	- (22,2)	- (5,5)	- (21,5)
	23,0	- (4,2)	- (23,1)	- (4,2)	- (22,5)

* 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.

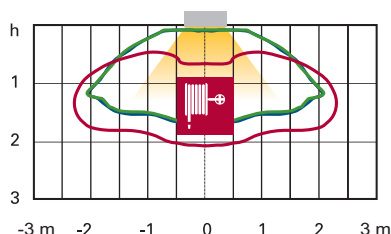
Points of emphasis



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

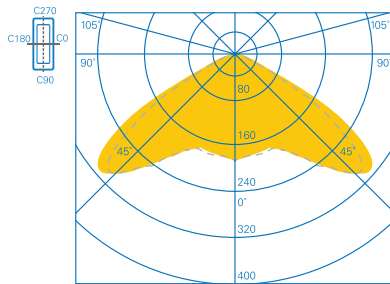
a = 1.0 m SO

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

Safety Luminaire

RoundTech MS SEO

RoundTech MS Open area light distribution



Ceiling mounting,
Open area, LowBay

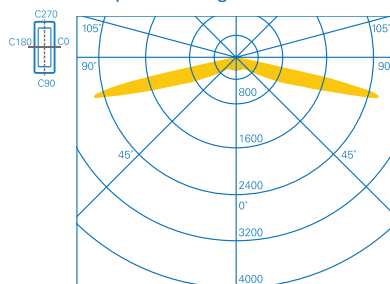
LowBay - Planning help for RoundTech 1.0 lx / 0.5lx

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

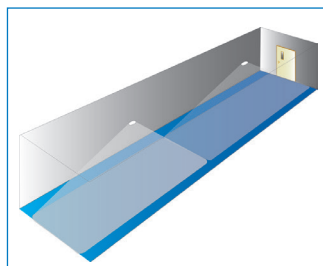
Luminaire type	Height (m)	Distance for 1 lx (0.5 lx)			
Ceiling mounting Room illumination 400lm LowBay	2,5	4,6 (5,3)	10,0 (11,1)	4,6 (5,3)	10,3 (11,5)
	3,0	5,0 (5,9)	11,3 (12,6)	5,0 (5,9)	11,7 (13,1)
	3,5	5,3 (6,4)	12,5 (14,0)	5,3 (6,4)	13,0 (14,5)
	4,0	5,5 (6,7)	13,5 (15,4)	5,5 (6,7)	14,0 (16,0)
	5,0	5,6 (7,4)	14,9 (17,7)	5,6 (7,4)	15,5 (18,4)
	6,0	4,2 (7,7)	16,4 (19,7)	4,2 (7,6)	16,4 (20,5)
	7,5	2,5 (7,5)	16,5 (21,4)	2,4 (7,5)	17,0 (22,3)
	9,0	- (4,7)	- (23,6)	- (4,7)	- (23,9)
Ceiling mounting Room illumination 200lm LowBay	10,0	- (3,8)	- (25,2)	- (3,0)	- (24,0)
	2,5	3,9 (4,6)	8,9 (10,0)	3,9 (4,6)	9,2 (10,3)
	3,0	4,1 (5,0)	9,8 (11,3)	4,1 (5,0)	10,1 (11,7)
	3,5	4,1 (5,3)	10,5 (12,5)	4,1 (5,3)	10,9 (13,0)
	4,0	3,5 (5,5)	11,3 (13,5)	3,5 (5,5)	11,7 (14,0)
	5,0	2 (5,6)	12,2 (14,9)	1,9 (5,6)	12,5 (15,5)
	6,0	- (4,1)	- (16,3)	- (4,1)	- (16,8)
Ceiling mounting Room illumination 150lm LowBay	7,5	- (2,5)	- (16,6)	- (2,3)	- (16,9)
	2,5	3,6 (4,3)	8,4 (9,5)	3,6 (4,3)	8,7 (9,8)
	3,0	3,6 (4,6)	9,1 (10,7)	3,6 (4,6)	9,4 (11,1)
	3,5	3 (4,9)	9,9 (11,8)	3 (4,9)	10,2 (12,2)
	4,0	2,2 (4,9)	10,3 (12,5)	2,2 (4,9)	10,4 (13,0)
	5,0	1,1 (4,0)	10,5 (14,0)	0,9 (4,0)	10,4 (14,4)
	6,0	- (2,5)	- (15,0)	- (2,3)	- (15,2)

* 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.

RoundTech MS Escape Route light distribution



Ceiling mounting,
Escape Route, LowBay



Escape route for 1 lux

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				
Ceiling mounting Escape route center 400lm LowBay	2,5	15,5	2,3 (2,9)	5,9 (7,2)	9,8 (10,6)	21,1 (22,5)
	3,0	10,7	2,5 (3,1)	6,3 (7,7)	11,2 (12,2)	24,3 (26,2)
	3,5	7,9	2,7 (3,3)	6,6 (8,2)	12,5 (13,7)	27,4 (29,7)
	4,0	6,0	2,9 (3,5)	6,9 (8,7)	13,7 (15,2)	30,4 (32,9)
	5,0	3,9	3,2 (3,8)	7,6 (9,4)	15,6 (17,8)	35,7 (39,1)
	6,0	2,7	3,4 (4,2)	8,4 (10,0)	16,1 (20,1)	40,2 (44,9)
	7,5	1,7	3,4 (4,7)	9,3 (11,1)	11,3 (22,6)	42,3 (52,6)
	9,0	1,2	2,4 (4,9)	9,8 (12,3)	3,2 (21,5)	36,3 (59,0)
Ceiling mounting Escape route center 200lm LowBay	2,5	7,7	1,9 (2,3)	4,7 (5,9)	8,9 (9,8)	19,5 (21,1)
	3,0	5,4	2,1 (2,5)	5,0 (6,3)	10,0 (11,2)	22,4 (24,3)
	3,5	3,9	2,3 (2,7)	5,4 (6,6)	11,0 (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)

* 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.