

Safety Luminaire

RoundTech MS CPS



RoundTech MS CPS

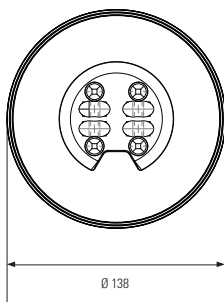


RoundTech Medium Surface CPS

- LED safety luminaire with CGS technology
- Installation up to 15m with optimum spacing of 35m for 1lux illumination
 - LowBay: Installation up to 9.5m height
 - HiBay: Installation up to 15m 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
- Low eco footprint thanks to its eco-design, low consumption
- Minimum service requirement due to high service life of the LEDs (60.000 hours)
- Other colour options available (Black, Dark grey, silver)

Luminous flux	240lm, 420lm
Connection terminals	up to 2x2.5 mm ² screwless pushwire In & Out mains terminals (L, N, E)
Rated voltage	220-240 V AC, 50/60 Hz
Current consumption - emergency operation	240lm : 22mA 420lm : 35mA
Power consumption mains operation (apparent power / effective power)	240lm : 5.0VA / 2.5W 420lm : 8.0VA / 4.8W
Inrush current	1.5A
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	-20°C to +40°C

Dimensions in mm



Ordering details

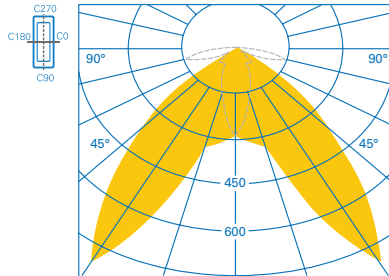
Order code	Description	Installation	⚡	☀️
CG-S				
RT2SSEO200CGS	RoundTech Surface CG-S 200 IP44	Low Bay	5.0 VA / 2.5 W	240 lm
RT2SSEO200CGSIP	RoundTech Surface CG-S 200 IP65	Low Bay	5.0 VA / 2.5 W	240 lm
RT2SSEOH200CGS	RoundTech Surface CG-S 200 IP44	HiBay	5.0 VA / 2.5 W	240 lm
RT2SSEOH200CGSIP	RoundTech Surface CG-S 200 IP65	HiBay	5.0 VA / 2.5 W	240 lm
● RT2SSEO200CGSIPB	RoundTech Surface CG-S 200 IP65 Black	Low Bay	5.0 VA / 2.5 W	240 lm
● RT2SSEO200CGSIPG	RoundTech Surface CG-S 200 IP65 Grey	Low Bay	5.0 VA / 2.5 W	240 lm
● RT2SSEO200CGSIPS	RoundTech Surface CG-S 200 IP65 Silver	Low Bay	5.0 VA / 2.5 W	240 lm
RT2SSEO400CGS	RoundTech Surface CG-S 400 IP44	Low Bay	8.0 VA / 4.8 W	420 lm
RT2SSEO400CGSIP	RoundTech Surface CG-S 400 IP65	Low Bay	8.0 VA / 4.8 W	420 lm
RT2SSEOH400CGS	RoundTech Surface CG-S 400 IP44	HiBay	8.0 VA / 4.8 W	420 lm
RT2SSEOH400CGSIP	RoundTech Surface CG-S 400 IP65	HiBay	8.0 VA / 4.8 W	420 lm
● RT2SSEO400CGSIPB	RoundTech Surface CG-S 400 IP65 Black	Low Bay	8.0 VA / 4.8 W	420 lm
● RT2SSEO400CGSIPG	RoundTech Surface CG-S 400 IP65 Grey	Low Bay	8.0 VA / 4.8 W	420 lm
● RT2SSEO400CGSIPS	RoundTech Surface CG-S 400 IP65 Silver	Low Bay	8.0 VA / 4.8 W	420 lm

Safety Luminaire

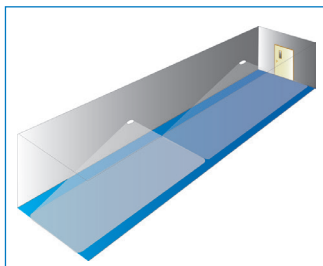
RoundTech MS CPS



RoundTech MS Escape Route light distribution



Ceiling mounting, Escape Route, HiBay



Escape route for 1 lux

HiBay - Planning help for RoundTech 1.0 lx / 0.5lx

Maintenance factor MF = 80 %, battery operation, ceiling mounting and distances in m

	Mounting height [m]	Lux level directly under				
Ceiling mounting Escape route center 200lm HiBay	2,5	21,4	2,8 (3,3)	6,7 (7,7)	3,9 (4,2)	8,3 (8,4)
	3,0	14,8	2,9 (3,7)	7,3 (8,7)	4,4 (4,8)	9,7 (10,0)
	4,0	8,3	2,7 (4,1)	8,2 (10,1)	5,4 (6,0)	12,1 (13,1)
	5,0	5,3	2,6 (4,0)	8,0 (11,1)	6,2 (7,1)	14,1 (15,6)
	6,0	3,7	2,5 (3,6)	7,2 (11,7)	6,8 (7,9)	15,9 (17,8)
	7,0	2,7	2,3 (3,6)	7,3 (11,4)	7,3 (8,7)	17,4 (19,9)
	8,0	2,1	2,0 (3,6)	7,3 (10,6)	7,7 (9,3)	18,7 (21,7)
	9,0	1,6	1,7 (3,5)	7,1 (10,1)	8,1 (9,9)	19,8 (23,3)
	10,0	1,3	1,2 (3,3)	6,6 (10,3)	8,4 (10,3)	20,7 (24,7)
	11,0	1,1	0,5 (2,9)	5,9 (10,4)	8,6 (10,8)	21,6 (26,0)
Ceiling mounting Escape route center 400lm HiBay	2,5	37,1	3,3 (3,9)	7,7 (7,8)	4,1 (4,3)	8,3 (8,6)
	3,0	25,7	3,7 (4,3)	8,7 (9,4)	4,8 (5,0)	10,0 (10,1)
	4,0	14,4	4,2 (5,1)	10,1 (11,8)	5,9 (6,4)	12,9 (13,3)
	5,0	9,2	3,8 (5,6)	11,2 (13,5)	6,9 (7,7)	15,4 (16,5)
	6,0	6,4	3,3 (6,0)	11,5 (14,8)	7,8 (8,8)	17,6 (19,1)
	7,0	4,7	3,4 (5,4)	10,7 (15,8)	8,5 (9,7)	19,5 (21,6)
	8,0	3,6	3,3 (4,5)	9,1 (16,4)	9,1 (10,6)	21,2 (23,8)
	9,0	2,8	3,2 (4,7)	9,4 (15,9)	9,6 (11,4)	22,8 (25,9)
	10,0	2,3	2,9 (4,8)	9,5 (15,0)	10,0 (12,1)	24,2 (27,8)
	11,0	1,9	2,6 (4,7)	9,5 (12,8)	10,0 (12,7)	25,4 (29,5)
	12,0	1,6	2,2 (4,6)	9,3 (13,1)	10,0 (13,3)	26,5 (31,1)
	13,0	1,4	1,7 (4,4)	8,9 (13,4)	11,0 (13,7)	27,5 (32,6)
	14,0	1,2	1,0 (4,1)	8,3 (13,5)	11,0 (14,2)	28,4 (34,0)
	15,0	1,0	0,1 (3,8)	7,6 (13,5)	11,0 (14,6)	29,3 (35,3)

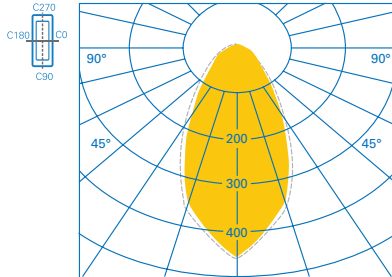
Spacing tables above are examples of performance of certain models with specific lumen output, installed on ceiling and specific heights.
Complete performance characteristics for all models and all installation heights and can be derived by the use of the LDT files available on request.

Safety Luminaire

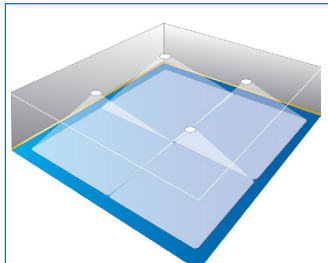
RoundTech MS CPS



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 = 80 %, battery operation, ceiling mounting and distances in m

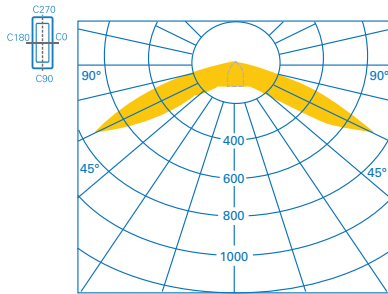
Luminaire type	Height (m)	Distance for 1 lx (0.5 lx)			
Ceiling mounting Room illumination 200lm HiBay	3,0	2,8 (3,4)	7,0 (8,3)	2,8 (3,4)	7,0 (8,4)
	4,0	3,1 (3,7)	7,7 (9,6)	3,1 (3,7)	7,6 (9,6)
	5,0	3,4 (3,9)	8,1 (10,6)	3,4 (3,9)	7,9 (10,5)
	6,0	3,5 (4,3)	9,1 (11,0)	3,5 (4,3)	8,9 (10,9)
	7,0	3,6 (4,5)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

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.

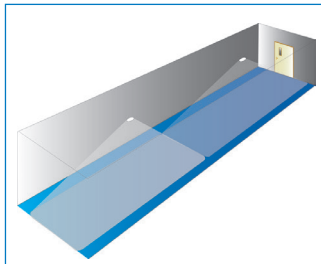
Safety Luminaire

RoundTech MS CPS

RoundTech MS Escape Route light distribution

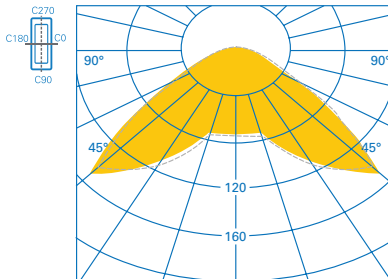


Ceiling mounting, Escape Route, LowBay

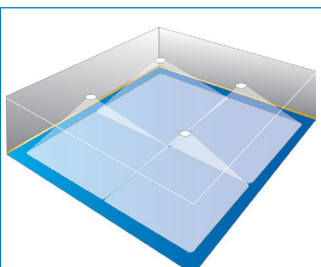


Escape route for 1 lux

RoundTech MS Open area light distribution



Ceiling mounting, Open area, LowBay



Open area for 0.5 lux

LowBay - Planning help for RoundTech 1.0 lx / 0.5lx

Maintenance factor MF = 80 %, battery operation, ceiling mounting and distances in m

	Mounting height [m]	Lux level directly under				
Ceiling mounting Escape route center 200lm LowBay	2,5	9,2	2,1 (2,7)	5,4 (6,9)	6,7 (7,6)	15,2 (16,9)
	3,0	6,4	2,3 (2,8)	5,7 (7,3)	7,5 (8,6)	17,2 (19,3)
	4,0	3,6	2,3 (3,2)	6,3 (7,8)	8,8 (10,2)	20,5 (23,4)
	5,0	2,3	2,4 (3,3)	6,6 (8,6)	9,9 (11,7)	23,4 (27,0)
	6,0	1,6	2,3 (3,3)	6,6 (9,1)	10,0 (12,9)	25,8 (30,1)
	7,0	1,2	2,0 (3,4)	6,8 (9,3)	3,0 (14,0)	23,7 (32,9)
	7,5	1,0	0,9 (3,4)	6,8 (9,3)	0,7 (14,5)	21,9 (34,2)
Ceiling mounting Escape route center 400lm LowBay	2,5	15,9	2,5 (3,3)	6,7 (8,3)	7,5 (8,4)	16,8 (18,5)
	3,0	11,0	2,8 (3,5)	7,0 (8,9)	8,4 (9,5)	19,1 (21,2)
	4,0	6,2	3,0 (3,8)	7,6 (9,8)	10,0 (11,5)	23,0 (25,9)
	5,0	3,9	3,1 (4,2)	8,3 (10,2)	11,0 (13,1)	26,3 (30,1)
	6,0	2,7	3,2 (4,3)	8,7 (11,1)	12,0 (14,6)	29,2 (33,7)
	7,0	2,0	3,2 (4,4)	8,9 (11,7)	13,0 (15,9)	31,9 (37,0)
	8,0	1,5	3,1 (4,4)	8,9 (12,2)	14,0 (17,1)	34,2 (40,0)
	9,0	1,2	2,8 (4,5)	9,1 (12,5)	4,2 (18,2)	31,7 (42,8)
	9,5	1,1	2,6 (4,5)	9,1 (12,5)	2,5 (18,7)	29,1 (44,1)

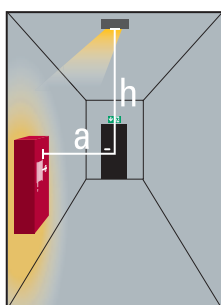
LowBay - Planning help for RoundTech 1.0 lx / 0.5lx

Maintenance factor MF = 80 %, battery operation, ceiling mounting and distances in m

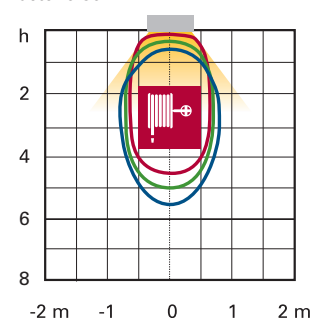
Luminaire type	Height (m)	Distance for 1 lx (0.5 lx)			
Ceiling mounting Room illumination 200lm LowBay	2,5	3,8 (4,4)	8,2 (9,5)	3,8 (4,4)	8,1 (9,5)
	3,0	4,0 (4,8)	9,2 (10,3)	4,0 (4,8)	9,2 (10,3)
	4,0	4,3 (5,4)	11,0 (12,6)	4,3 (5,4)	10,7 (12,5)
	5,0	4,4 (5,7)	12,1 (14,4)	4,4 (5,7)	11,6 (14,4)
Ceiling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

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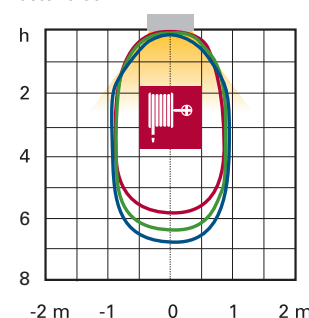
Points of emphasis



200lm Escape Route with maintenance factor 0.80



400lm Escape Route with maintenance factor 0.80



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.