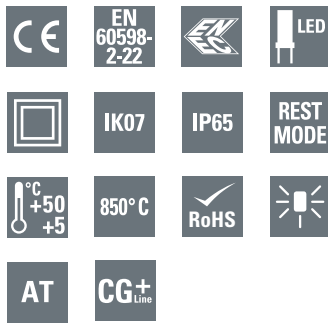


# Beam lights

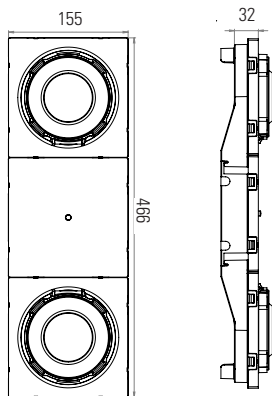
## BeamTech Small PSU, 2 Light Heads



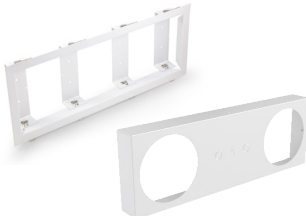
BeamTech Small PSU, 2 Light Heads



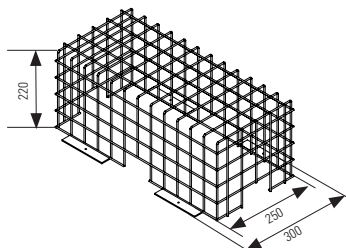
Dimensions in mm



Recessed base / Metal cover



Protection grid



### Features & Benefits

- High flux luminaire with configuration of two directional LED lamp heads
- Variants of 500lm and 1000lm, each light head can reach up to 500 lumens
- Installation up to 25m (30m) with optimum spacing of 36.8m (43.1m) for 1lux (0.5lux) illumination
- E-focus 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 large open areas (supermarkets, warehouses, cinemas, theatres, factories, shopping malls, industrial units, stadiums etc.)
- New modern and flexible / modular design, wall or ceiling mounted or recessed (via accessory)
- Mains & communication cabling option from all housing sides (back & side entry)
- Locking mechanism of light head preventing accidental change of light heads configuration
- With automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis and status display via bi-color LED
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Luminous flux	500lm, 1000lm
Operation	Non-Maintained
Autonomy	1, 2 or 3 hours
Testing system	test button, test by Telecommand
Degree of protection	IP65 & IK07
Connection terminals	up to 1,5 mm <sup>2</sup> screwless pushwire & multicore, In & Out mains terminals (L, N, E) CGLine+ bus through-wiring up to 1,5 mm <sup>2</sup>
Rated voltage	220-240Vac, 50/60Hz
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing color	RAL9003
Insulation class	Class II
Permissible ambient temperature	+5°C to +40°C (NiCd) / +5°C to +50°C (LiFePo)
Light source	12 LEDs Wide / 12 LEDs Narrow (4W max)

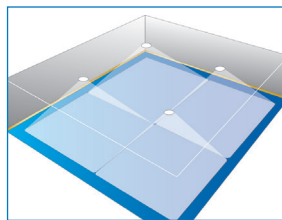
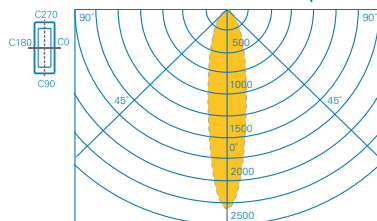
### Ordering details

Order code	Description	⚡	🕒	☀️	🔋
BT2SC-D1	BeamTech Small 2x250lm	2.3VA/1.6W	1h	500 lm	NiCd 4Cs 4.8V / 1.7Ah
BT2SL-D2	BeamTech Small 2x250lm	5VA/4.5W*	2h	500lm	LiFePo4 6.4V / 3.2Ah
BT2SL-D3	BeamTech Small 2x250lm	5VA/4.5W*	3h	500 lm	LiFePo4 6.4V / 3.2Ah
BT2SC-D1CGL	BeamTech Small 2x250lm CGL	2.3VA / 1.6W	1h	500 lm	NiCd 4Cs 4.8V / 1.7Ah
BT2SL-D3CGL	BeamTech Small 2x250lm CGL	5VA / 4.5W*	3h	500 lm	LiFePo4 6.4V / 3.2Ah
BT2SL-F1	BeamTech Small 2x500lm	5VA/4.5W*	1h	1000 lm	LiFePo4 6.4V / 3.2Ah
BT2SL-F1-AT	BeamTech Small 2x500lm AT	5VA / 4.5W*	1h	1000 lm	LiFePo4 6.4V / 3.2Ah
BT2SL-F1CGL	BeamTech Small 2x500lm CGL	5VA / 4.5W*	1h	1000 lm	LiFePo4 6.4V / 3.2Ah
BT2SL-F2	BeamTech Small 2x500lm	5VA / 4.5W*	2h	1000 lm	LiFePo4 6.4V / 3.2Ah

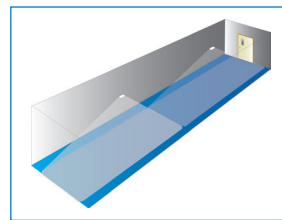
### Accessories

Order code	Description
BT2SRB	BeamTech Small 2 Recessed Base
BTSGRID	BeamTech Small Grid (53x30x22)
BT2SMB	BeamTech Small 2 Metal Base

### BeamTech 2 Light Heads Narrow beam at 0°-0° slope

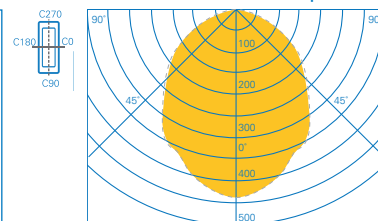


Open area for 0.5 lux



Escape route for 1 lux

### BeamTech 2 Light Heads Wide beam at 0°-0° slope



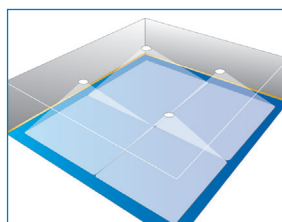
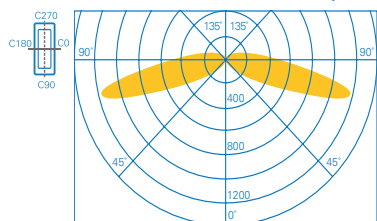
#### Planning help for BeamTech with 2 Light Heads with Narrow & Wide beam 1.0 lx (0.5lx)

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

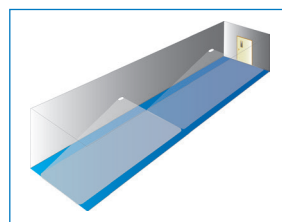
Luminaire type	Height (m)	Distance for 1 Lux (0.5 Lux)				
Ceiling mounting Escape route centre 2 Light Heads 2x250lm Narrow beam at 0°-0°	5,00	4,7 (—)	11,6 (—)	4,7 (—)	11,6 (—)	
	7,50	5,2 (5,3)	13,5 (14,1)	5,2 (5,3)	13,5 (14,1)	
	10,00	5,3 (5,6)	14,5 (16,1)	5,3 (5,7)	14,5 (16,0)	
	12,50	5,1 (5,7)	14,9 (17,4)	5,18 (5,9)	15,0 (17,3)	
	15,00	4,8 (5,8)	14,8 (18,6)	4,8 (5,8)	15,0 (18,5)	
	20,00	3,9 (5,4)	13,8 (19,7)	4,0 (5,5)	14,0 (19,8)	
Ceiling mounting Escape route centre 2 Light Heads 2x500lm Narrow beam at 0°-0°	7,50	6,8 (—)	16,8 (—)	6,8 (—)	16,9 (—)	
	10,00	7,3 (7,2)	18,8 (19,4)	7,3 (7,2)	18,8 (19,3)	
	12,50	7,4 (7,6)	20,1 (21,6)	7,5 (7,6)	20,1 (21,5)	
	15,00	7,4 (7,8)	20,8 (23,2)	7,5 (7,9)	20,8 (23,1)	
	20,00	7,0 (8,0)	21,1 (25,7)	7,0 (8,1)	21,3 (25,6)	
	25,00	6,1 (7,7)	20,2 (27,3)	6,1 (7,7)	20,7 (27,4)	

Luminaire type	Height (m)	Distance for 1 Lux (0.5 Lux)				
Ceiling mounting Escape route centre 2 Light Heads 2x250lm Wide beam at 0°-0°	2,50	4,5 (—)	10,6 (—)	4,4 (—)	10,9 (—)	
	3,00	4,8 (4,6)	11,5 (11,6)	4,8 (4,7)	11,9 (11,2)	
	4,00	5,4 (5,2)	13,2 (13,1)	5,3 (5,1)	13,2 (13,4)	
	5,00	5,7 (5,6)	14,6 (14,9)	5,6 (5,57)	14,6 (14,6)	
	7,50	5,7 (6,1)	16,1 (18,0)	5,7 (6,1)	16,0 (17,9)	
	10,00	5,0 (6,2)	16,1 (19,9)	5,0 (6,1)	16,2 (19,6)	
Ceiling mounting Escape route centre 2 Light Heads 2x500lm Wide beam at 0°-0°	3,00	5,8 (—)	14,1 (—)	6,0 (—)	13,8 (—)	
	4,00	6,6 (6,2)	15,9 (15,9)	6,6 (6,2)	16,4 (15,4)	
	5,00	7,3 (6,8)	17,9 (17,4)	7,3 (6,8)	17,7 (17,8)	
	7,50	8,0 (8,0)	21,0 (21,4)	8,0 (7,9)	21,0 (21,1)	
	10,00	8,0 (8,4)	22,6 (24,7)	8,1 (8,5)	22,4 (24,6)	
	12,50	7,8 (8,6)	22,7 (27,4)	7,8 (8,6)	22,7 (27,0)	
	15,00	6,3 (8,5)	22,6 (28,4)	6,29 (8,5)	22,6 (28,1)	

### BeamTech 2 Light Heads Narrow beam at 75°-75° slope

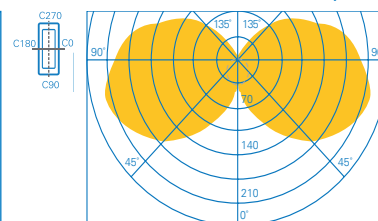


Open area for 0.5 lux



Escape route for 1 lux

### BeamTech 2 Light Heads Wide beam at 75°-75° slope



#### Planning help for BeamTech with 2 Light Heads with Narrow & Wide beam 1.0 lx (0.5lx)

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

Luminaire type	Height (m)	Distance for 1 Lux (0.5 Lux)				
Ceiling mounting Escape route centre 2 Light Heads 2x250lm Narrow beam at 75°-75°	2,50	1,3 (1,9)	4,2 (5,9)	10,0 (11,5)	24,58 (29,84)	
	3,00	1,1 (1,8)	4,0 (6,0)	10,6 (12,7)	26,52 (32,49)	
	4,00	1,1 (1,8)	4,0 (6,0)	10,6 (12,7)	26,52 (32,49)	
	5,00	1,1 (1,8)	4,0 (6,0)	10,6 (12,7)	26,52 (32,49)	
Ceiling mounting Escape route centre 2 Light Heads 2x500lm Narrow beam at 75°-75°	2,50	2,1 (2,6)	6,2 (7,9)	12,3 (13,2)	29,9 (35,3)	
	3,00	1,9 (2,6)	6 (8,2)	13,3 (14,8)	32,4 (38,8)	
	4,00	1,7 (2,4)	5,6 (8,7)	14,9 (17,1)	36,9 (43,1)	
	5,00	1,7 (2,4)	5,6 (8,7)	14,9 (17,1)	36,9 (43,1)	

Luminaire type	Height (m)	Distance for 1 Lux (0.5 Lux)				
Ceiling mounting Escape route centre 2 Light Heads 2x250lm Wide beam at 75°-75°	2,50	1,8 (2,7)	5,0 (7,1)	5,3 (6,8)	14,1 (18,9)	
	3,00	1,5 (2,4)	5,0 (7,5)	5,4 (7,3)	14,7 (20,3)	
	4,00	1,5 (2,4)	5,0 (7,5)	5,4 (7,3)	14,7 (20,3)	
	5,00	1,5 (2,4)	5,0 (7,5)	5,4 (7,3)	14,7 (20,3)	
Ceiling mounting Escape route centre 2 Light Heads 2x500lm Wide beam at 75°-75°	2,50	2,5 (3,4)	7,0 (9,1)	7,1 (8,7)	18,3 (23,7)	
	3,00	2,5 (3,5)	7,1 (9,6)	7,3 (9,1)	19,3 (25,3)	
	4,00	2,3 (3,3)	7,1 (10,6)	7,6 (10,0)	20,6 (27,9)	
	5,00	1,0 (1,8)	7,1 (11,1)	7,6 (11,0)	21,2 (31,5)	

\* Spacing tables above are examples of performance of certain models with specific lumen output, installed on specific heights at few headlamps direction options. Complete performance characteristics for all models, all installation heights and all headlamp direction options can be derived by the use of the LTD files available on request.



**Narrow light distribution** enables installations and ideal for large, escape routes and illumination of safety equipments. A maximum spacing of up to 16.5m between luminaires reduces the number of required light points and an application range from 5m up to 20m for 1Lux enables mounting at the normally occurring heights.



**Wide light distribution** enables higher height installations and ideal for large and high areas where no fixed escape route is defined, meaning that the complete area must be illuminated. A maximum spacing of up to 16m between luminaires reduces the number of required light points and an application range from 2.5m up to 10m for 1Lux enables mounting at the normally occurring heights.