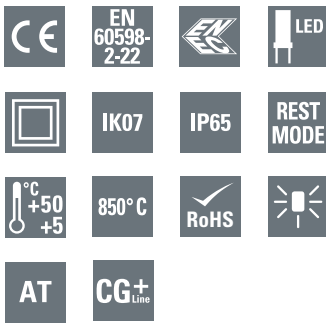


Beam lights

BeamTech Small PSU, 1 Light Head



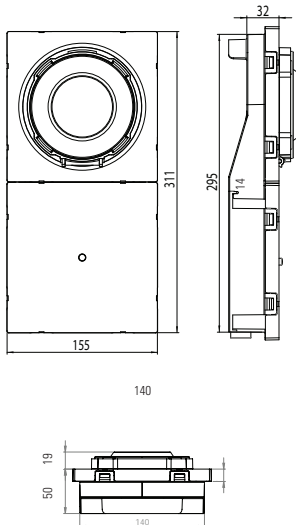
Features & Benefits

- High flux luminaire with configuration of one directional LED lamp head
- Variants of 250lm, 500lm, each light head can reach up to 500 lumens maximum
- Installation up to 20m (25m) with optimum spacing of 16.6m (20.8m) 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 head 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 via bi-color LED
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

BeamTech Small PSU, 1 Light Head



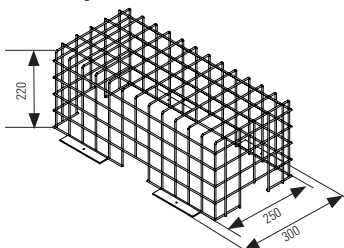
Dimensions in mm



Recessed base



Protection grid



Luminous flux	250lm, 500lm
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 ² screwless pushwire & multicore, In & Out mains terminals (L, N, E) CGLine+ bus through-wiring up to 1,5 mm ²
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

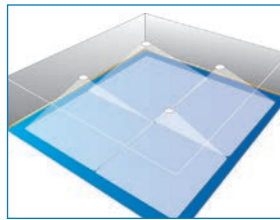
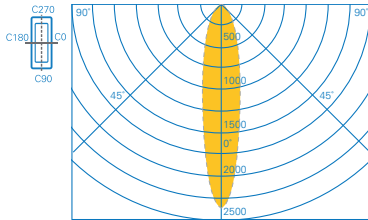
Order code	Description				
BT1SC-B1	BeamTech Small 1x250lm	2.3VA/1.6W	1h	250 lm	NiCd 4Cs, 4.8V / 1.7Ah
BT1SD-B3	BeamTech Small 1x250lm	3VA/2.4W	3h	250 lm	NiCd 3D, 3.6V / 4Ah
BT1SC-B1CGL	BeamTech Small 1x250lm CGL	2.3VA / 1.6W	1h	250 lm	NiCd 4Cs, 4.8V / 1.7Ah
BT1SD-B3CGL	BeamTech Small 1x250lm CGL	3VA / 2.4W	3h	250 lm	NiCd 3D, 3.6V / 4Ah
BT1SC-D1	BeamTech Small 1x500lm	2.3VA/1.6W	1h	500 lm	NiCd 4Cs, 4.8V / 1.7Ah
BT1SL-D2	BeamTech Small 1x500lm	5VA/4.5W*	2h	500lm	LiFePo4 6.4V / 3.2Ah
BT1SL-D3	BeamTech Small 1x500lm	5VA/4.5W*	3h	500 lm	LiFePo4 6.4V / 3.2Ah
BT1SC-D1-AT	BeamTech Small 1x500lm AT	2.3VA / 1.6W	1h	500 lm	NiCd 4Cs, 4.8V / 1.7Ah
BT1SL-D3CGL	BeamTech Small 1x500lm CGL	5VA / 4.5W*	3h	500 lm	LiFePo4 6.4V / 3.2Ah

*While charging, less than 1W in standby

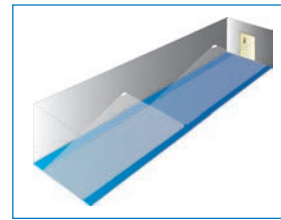
Accessories

Order code	Description
BT1SRB	BeamTech Small 1 Recessed Base
BTSGRID	BeamTech Small Grid (53x30x22)

**BeamTech 1 Light Head
Narrow beam at 0° slope**

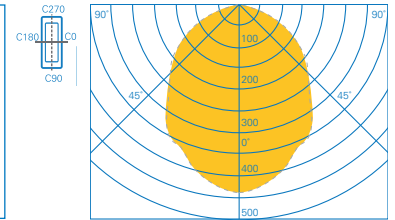


Open area for 0.5 lux



Escape route for 1 lux

**BeamTech 1 Light Head
Wide beam at 0° slope**



Planning help for BeamTech 1 Light Head 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 1 Light Head 250lm Narrow beam at 0°	4,00	3,5 (—)	8,7 (—)	3,5 (—)	8,7 (—)
	5,00	3,6 (3,8)	9,4 (9,7)	3,6 (3,8)	9,4 (9,6)
	7,50	3,7 (4,2)	10,4 (11,7)	3,7 (4,2)	10,4 (11,6)
	10,00	3,4 (4,2)	10,5 (12,9)	3,5 (4,3)	10,6 (12,8)
	12,50	3,1 (4,1)	10,1 (13,7)	3,1 (4,1)	10,4 (13,7)
Ceiling mounting Escape route centre 1 Light Head 500lm Narrow beam at 0°	5,00	4,7 (—)	11,61 (—)	4,7 (—)	11,61 (—)
	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)	5,2 (5,9)	15,0 (17,3)
	15,00	4,8 (5,8)	14,8 (18,6)	4,8 (5,8)	14,96 (18,5)
	20,00	3,9 (5,4)	13,8 (19,7)	4,0 (5,5)	14,0 (19,8)

Luminaire type	Height (m)	Distance for 1 Lux (0.5 Lux)			
Ceiling mounting Escape route centre 1 Light Head 250lm Wide beam at 0°	2,50	3,6 (3,7)	8,9 (8,7)	3,6 (3,7)	8,8 (8,8)
	3,00	3,8 (3,9)	9,5 (9,5)	3,8 (3,9)	9,6 (9,8)
	4,00	4,0 (4,3)	10,7 (11,1)	4 (4,3)	10,62 (11,0)
	5,00	4,0 (4,4)	11,3 (12,4)	4,1 (4,5)	11,2 (12,28)
	7,50	3,2 (4,5)	11,3 (14,2)	3,2 (4,5)	11,3 (14,0)
Ceiling mounting Escape route centre 1 Light Head 500lm Wide beam at 0°	3,00	4,7 (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	5,6 (5,6)	14,6 (14,9)	5,6 (5,6)	14,5 (14,6)
	7,50	5,7 (6,1)	16,1 (18,0)	5,7 (6,1)	16,0 (17,9)
	10,00	— (6,2)	— (19,9)	— (6,1)	— (19,6)

* 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.



BeamTech high intensity light source provides efficient illumination of long, narrow escape routes, but can also provide general wide coverage of a specific area when positioned at any degree specified to each other, in locations where higher illumination is required.

Additionally the light output and the narrow and wide light distribution can be configured by the user (e-focus) in order to provide ease of installation and adopt the product into all relevant emergency applications.

