Beam lights

BeamTech Small PSU, 2 Light Heads

Features & Benefits

- High flux luminaire with configuration of two directional LED lamp heads
- Installation up to 25m (30m) with optimum spacing of 36.8m (43.1m) for 1lux (0.2lux) illumination
- E-focus programming. Narrow and Wide light distribution, programmed by the user
- IP65, IK07
- 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
- Wall mount or ceiling mount
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis and status display via bi-color LED (CGLine+)

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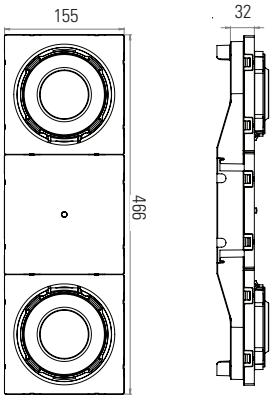
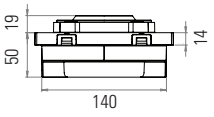
Dimensions in mm





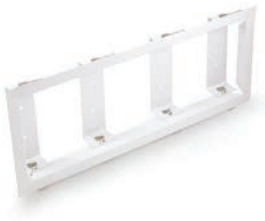
Luminous flux	500lm
Operation	Non-Maintained
Autonomy	2 or 3 hours
Testing system	test button, CGLine+
Degree of protection	IP65 & IK07
Connection terminals	up to 1,5 mm² screwless pushwire & multicore, In & Out mains terminals (L, N, E) CGLine+ bus through-wiring up to 1,5 mm²
Rated voltage	220-240Vac, 50/60Hz
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing color	RAL9003
Insulation class	Class II
Permissible ambient temperature	+5°C to +50°C (LiFePo)
Light source	12 LEDs Wide / 12 LEDs Narrow (4W max)

Ordering details

Order code	Description				
BT2SL-D2	BeamTech Small 2x250lm	5VA/4.5W*	2h	500lm	LiFePo4 6.4V / 3.2Ah
BT2SL-D3CGL	BeamTech Small 2x250lm CGL	5VA / 4.5W*	3h	500 lm	LiFePo4 6.4V / 3.2Ah

*While charging, less than 1W in standby

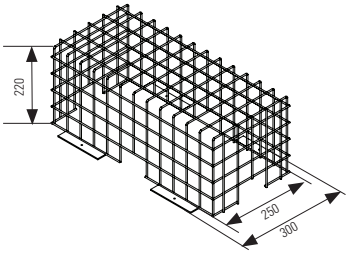
Recessed base



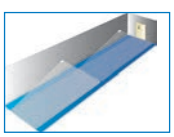
Accessories

Order code	Description
BT2SRB	BeamTech Small 2 Recessed Base
BTSGRID	BeamTech Wire guard (53x30x22)

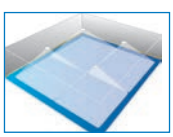
Wire guard



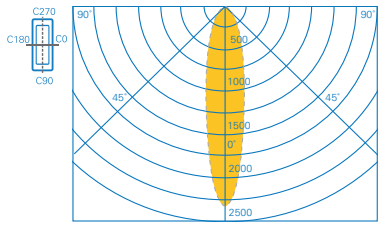
Narrow light distribution enables installations and ideal for large, escape routes and illumination of safety equipments. A maximum spacing of up to 16.5m between luminaires reduces the number of required light points and an application range from 5m up to 20m for 1Lux enables mounting at the normally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

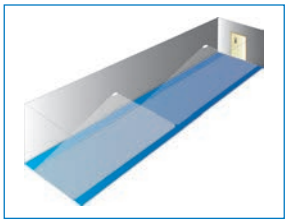


Wide light distribution enables higher height installations and ideal for large and high areas where no fixed escape route is defined, meaning that the complete area must be illuminated.
A maximum spacing of up to 16m between luminaires reduces the number of required light points and an application range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

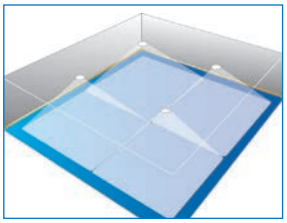


BeamTech 2 Light Heads
Narrow beam at 0°-0° slope



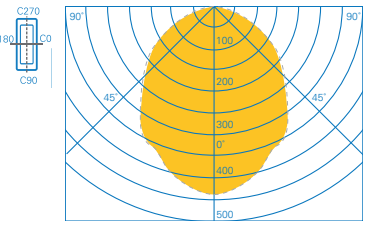


Escape route for 1 lux



Open area for 0.2 lux

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



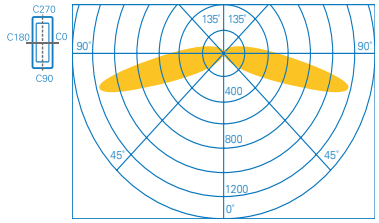
Planning help for BeamTech with 2 Light Heads with Narrow & Wide beam 1.0 lx (0.2lx)

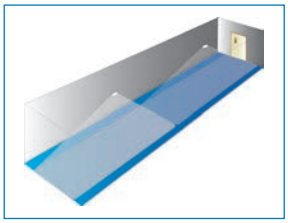
Maintenance factor MF = 80 %, battery operation and distances in m

Luminaire type	Height (m)	Distance for 1 Lux (0.2 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 (—)
	10,00	5,3 (5,6)	14,5 (16,1)	5,3 (5,7)	14,5 (16,0)
	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)

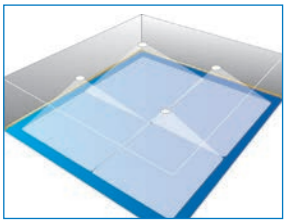
Luminaire type	Height (m)	Distance for 1 Lux (0.2 Lux)			
		↔	↔	↕	▭ ▭
Ceiling mounting Escape route centre 2 Light Heads 2x250lm Wide beam at 0°-0°	2,50	4,5 (—)	10,6 (—)	4,4 (—)	10,9 (—)
	3,00	4,8 (4,6)	11,5 (11,6)	4,8 (4,7)	11,9 (11,2)
	5,00	5,7 (5,6)	14,6 (14,9)	5,6 (5,57)	14,6 (14,6)
	10,00	5,0 (6,2)	16,1 (19,9)	5,0 (6,1)	16,2 (19,6)

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



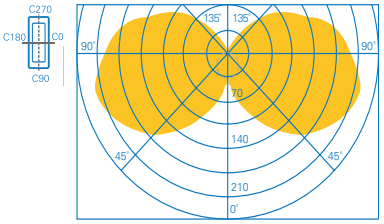


Escape route for 1 lux



Open area for 0.2 lux

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



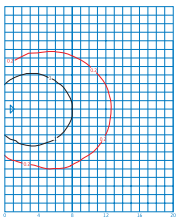
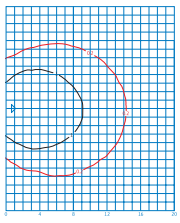
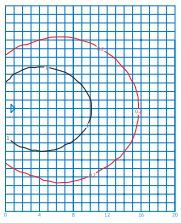
Planning help for BeamTech with 2 Light Heads with Narrow & Wide beam 1.0 lx (0.2lx)

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

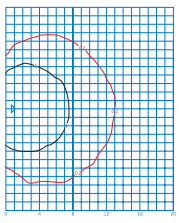
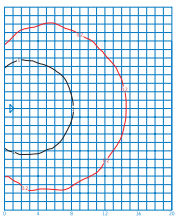
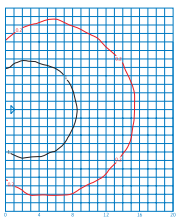
Luminaire type	Height (m)	Distance for 1 Lux (0.2 Lux)			
		↔	↔	↕	▭ ▭
Ceiling mounting Escape route centre 2 Light Heads 2x250lm Narrow beam at 75°-75°	2,50	1,3 (1,9)	4,2 (5,9)	10,0 (11,5)	24,58 (29,84)
	3,00	1,1 (1,8)	4,0 (6,0)	10,6 (12,7)	26,52 (32,49)

Luminaire type	Height (m)	Distance for 1 Lux (0.2 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)

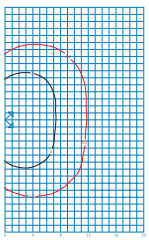
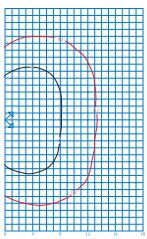
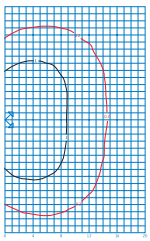
1 x 4W (narrow) BeamTech Tilt 45°

	mounted 3m AFL narrow	mounted 4m AFL narrow	mounted 5m AFL narrow
			
Area coverage 0.2 lux min	132 m²	180 m²	210 m²
Area coverage 1.0 lux min	52 m²	64 m²	78 m²

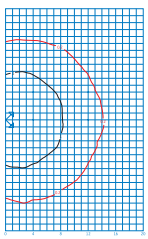
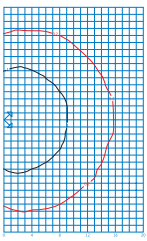
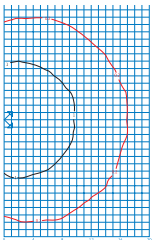
1 x 4W (wide) BeamTech Tilt 45°

mounted 3m AFL wide	mounted 4m AFL wide	mounted 5m AFL wide
		
162 m²	232m²	262 m²
42 m²	76 m²	78 m²

2 x 4W (narrow) BeamTech Tilt 45°

	mounted 3m AFL narrow	mounted 4m AFL narrow	mounted 5m AFL narrow
			
Area coverage 0.2 lux min	216 m²	284 m²	340 m²
Area coverage 1.0 lux min	84 m²	106 m²	134 m²

2 x 4W (wide) BeamTech Tilt 45°

mounted 3m AFL wide	mounted 4m AFL wide	mounted 5m AFL wide
		
262 m²	306 m²	384 m²
92 m²	108 m²	128 m²

** 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.*

Note:
- The outer line represents 0.2 lux and inner line 1.0 lux
- Gridlines are 1 metre spacing
- AFL = Above Floor Level
- Designed to comply with AS2293 and meet relevant Australian EMC standards