

**Emergency Lighting - Self-contained**  
BeamTech - Product overview



Safety 360°



**EATON**

*Powering Business Worldwide*

# Safety 360°

## New high performance Beam lights

### New ranges for more applications

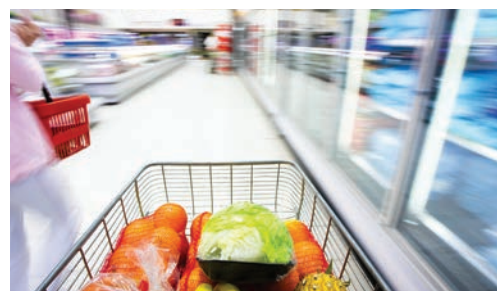
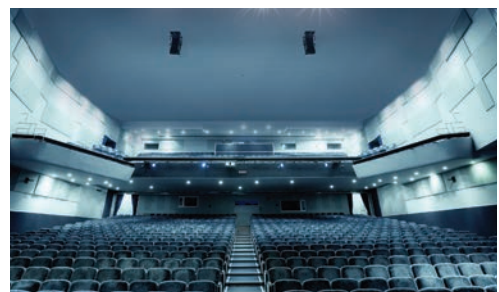
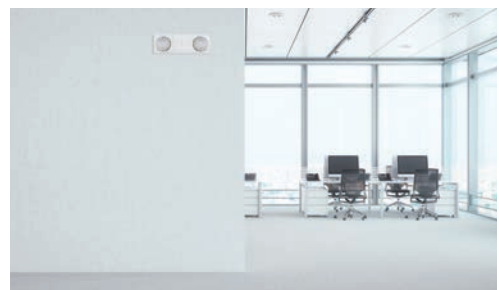
In case of a power failure, large open plan areas need to be clearly lit to prevent panic and aid evacuation.

BeamTech range provides a solution for both wide area anti-panic lighting and narrow illumination of escape routes or to highlight safety equipment such as alarms and fire extinguishers.

Rated at IP65 ingress protection and with an IK03 impact resistance, this luminaire is ideal for industrial applications such as factories or warehouses, but a complete redesign of the BeamTech range means that it can now also be used in areas where aesthetics is important, such as in entertainment venues and shopping malls.

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.





BeamTech Small PSU, 1 Light Head

BeamTech Small PSU, 2 Light Heads

BeamTech Large PSU, 2 Light Heads

BeamTech Large PSU, 4 Light Heads



## E-focus patented technology to fit the application with higher performance lighting

One product applicable for Escape Route or Open area illumination provides the user / installer the ability to define the light distribution which fits the application.

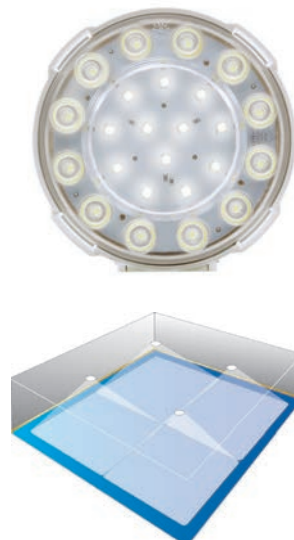
Additionally, the user can direct the light output to test the product light direction via a test button and install the light heads to best suit the application.



E-focus programming allows you to select what illumination you need for the application. Both wide area anti-panic lighting and narrow focused illumination is possible from the same fitting. Simply select wide or narrow focus via the test point button.



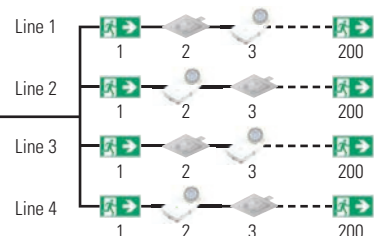
**Narrow light distribution** enables installations and ideal for large, escape routes and illumination of safety equipment. A maximum spacing of up to 36.5m (depending the variant and product line) between luminaires reduces the number of required light points and an application range from 5m up to 25m 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 23.1m (depending the variant and product line) between luminaires reduces the number of required light points and an application range from 2.5m up to 15m for 1Lux enables mounting at the normally occurring heights.

## Operation and maintenance effort reduced

The use of LEDs, automatic testing and monitoring devices (using CGLine+ versions) significantly reduce the operating and maintenance costs of the installation.





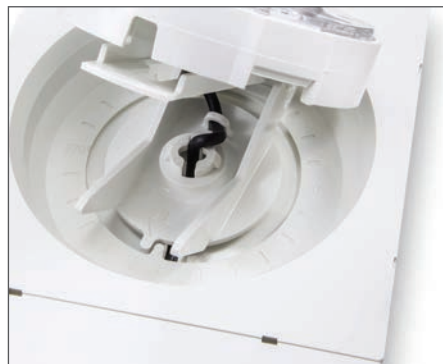



Eaton's new Beam lights flexibility makes them the ideal products to direct light into safety points.  
**BeamTech range meets requirements of EN 1838:1** for illuminance of 5lx for safety equipment like first aid stations, fire fighting equipment and any alarm devices.

**1 or 2 LED lamp head (s), directed on specific degrees of inclination easily configurable**




  Led lamp directed on specific degrees of inclination from 0° to 90° and rotated up to 360°



 Rotation stopping point with degree information displayed

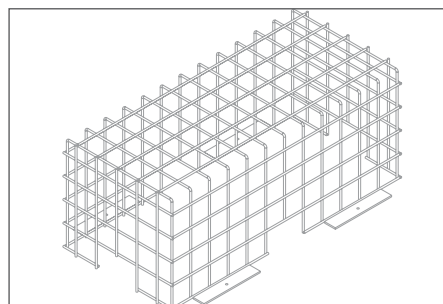


 The lamp head is equipped with a locking mechanism preventing accidental change of light head configuration.

**Accessories adapted to the application**



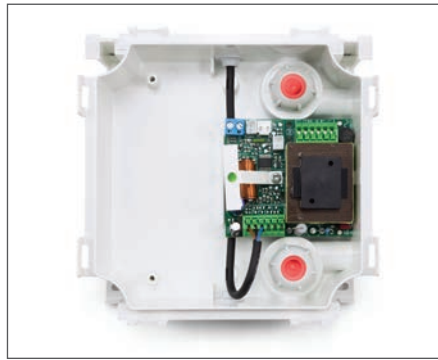
Recessed base for better integration



Protection grid

## Quick and easy installation

BeamTech range was designed to provide a fast installation with easy access to the unit via a clipped housing and cable entry from either the side or rear of the fitting. Entry points are equipped with built in cable glands, positioned in the interior of the power supply, always assuring the IP protection but keeping aesthetics undamaged.



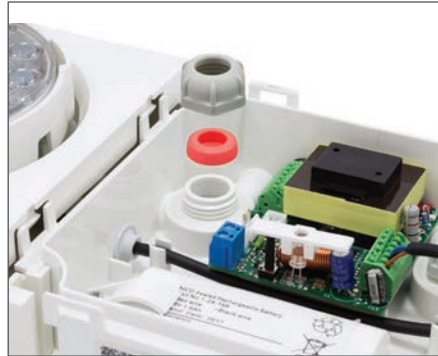
One Box Solution:  
A unique reference for installation on a wall or ceiling.



Back and side cable entries, 12mm<sup>2</sup> In/Out.



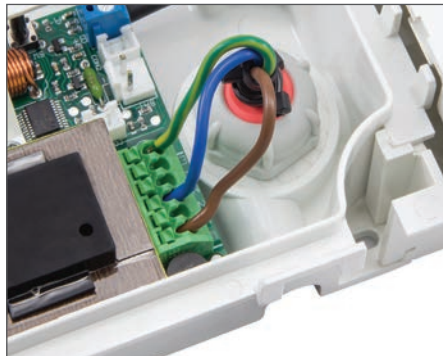
Easy access via clipped housing which also provides IP65 protection rate.



Smart and fast solution for cable gland fixing with "discreet" IP65 protection, inside the product housing.



Rear entry cables in flexible material, no plastic parts to break



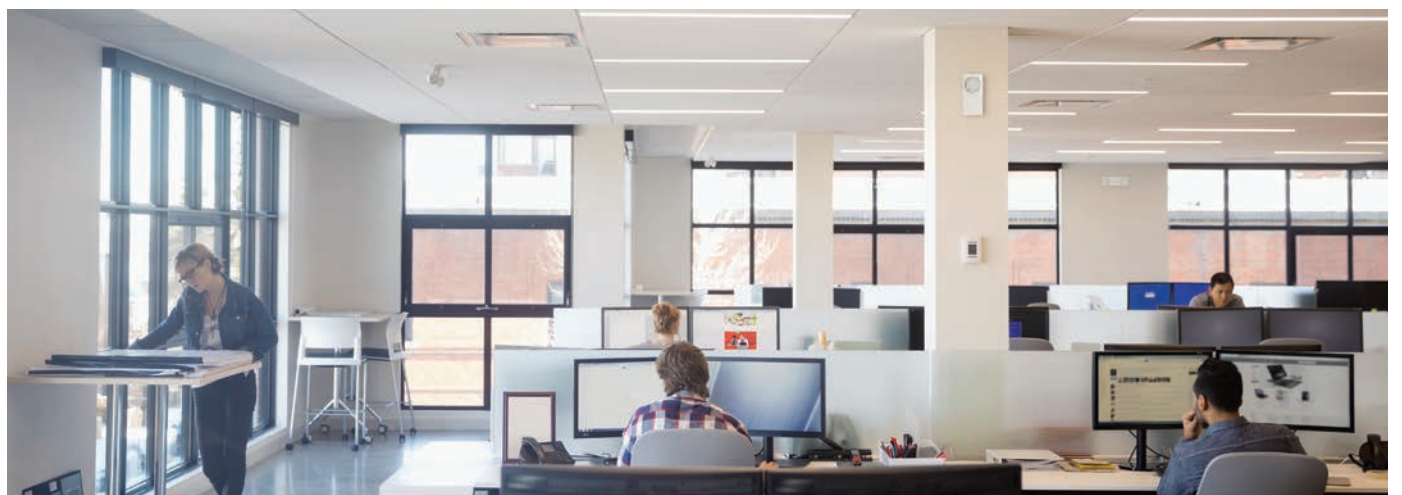
Push wire 12mm<sup>2</sup> & In/Out.

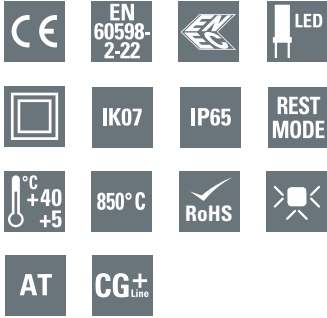


Special tool to access the cable gland and screw easily into place.



Leveling indicator included for proper adjustment of housing during installation.





### Features & Benefits

- High flux luminaire with configuration of one or two directional LED lamp heads

#### 1 Light Head:

- Variants of 250lm and 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

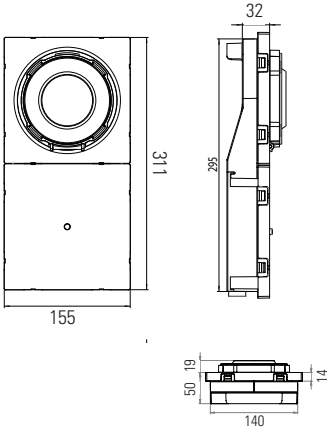
#### 2 Light Heads:

- Variants of 500m and 1000lm, each light head can reach up to 500 lumens maximum
- Installation up to 25m (30m) with optimum spacing of 36.8 (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 head(s) 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)

BeamTech Small PSU, 1 Light Head



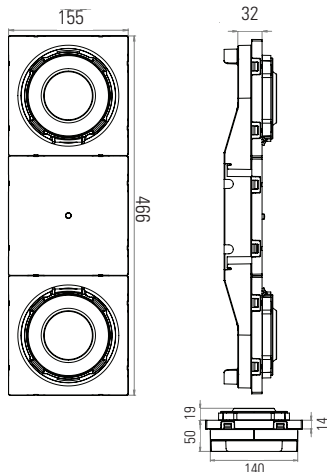
Dimensions in mm



BeamTech Small PSU, 2 Light Heads



Dimensions in mm



	1 Light Head	2 Light Heads
Luminous flux	250, 500 lm	500, 1000 lm
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)	

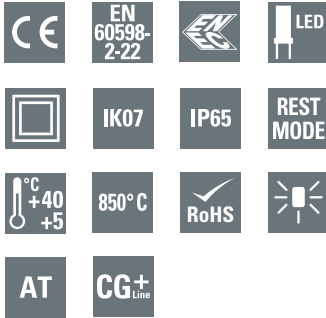
### Ordering details

Order code	Description				
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
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

\*While charging, less than 1W in standby

### Accessories

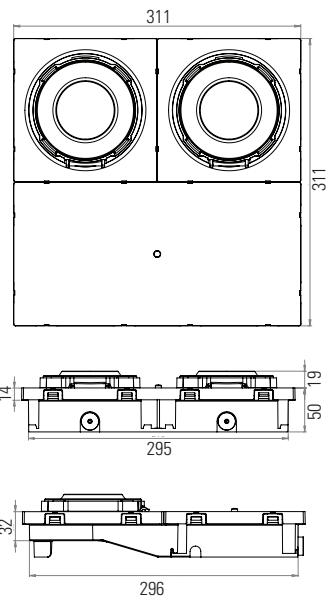
Order code	Description
BT1SRB	BeamTech Small 1 Recessed Base
BT2SRB	BeamTech Small 2 Recessed Base
BTSGRID	BeamTech Small Grid (53x30x22)



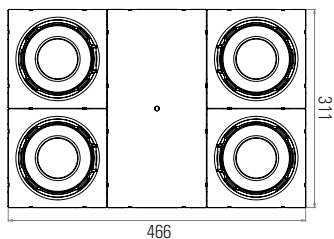
BeamTech Large PSU, 2 Light Heads



Dimensions in mm



BeamTech Large PSU, 4 Light Heads



## Features & Benefits

- High flux luminaire with configuration of one or two directional LED lamp heads

### 2 Light Heads:

- Variants of 500lm and 1000lm, each light head can reach up to 500 lumens maximum
- Installation up to 25m (30m) with optimum spacing of 36.8m (43.1m) for 1lux (0.5lux) illumination

### 4 Light Heads:

- Variants of 2000lm, each light head can reach up to 500 lumens maximum
- 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
- 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 bi-color LED
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

	2 Light Heads	4 Light Heads
Luminous flux	500, 1000 lm	2000 lm
Operation	Non-Maintained	
Autonomy	1 or 3 hours	
Testing system	test button, test by Telecommand	
Degree of protection	IP65 & IK07	
Connection terminals	up to 2,5 mm <sup>2</sup> screwless pushwire & multicore, In & Out mains terminals (L, N, E) CGLine+ bus through-wiring up to 2,5 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	⚡	🕒	☀️	🔋
BT2LL-D3	BeamTech Large 2x250lm	5VA/4.5W*	3h	500 lm	LiFePo4 6.4V / 3.2Ah
BT2LC-D1CGL	BeamTech Large 2x250lm CGL	2.3VA/1.6W	1h	500 lm	NiCd 4Cs 4.8V / 1.7Ah
BT2LL-D3CGL	BeamTech Large 2x250lm CGL	5VA/4.5W*	3h	500 lm	LiFePo4 6.4V / 3.2Ah
BT2LLF1	BeamTech Large 2x500lm	5VA/4.5W*	1h	1000 lm	LiFePo4 6.4V / 3.2Ah
BT2LLF3	BeamTech Large 2x500lm	10VA/9W**	3h	1000 lm	2x LiFePo4 6.4V / 3.2Ah
BT2LLF1-AT	BeamTech Large 2x500lm AT	5VA/4.5W*	1h	1000 lm	LiFePo4 6.4V / 3.2Ah
BT2LLF3CGL	BeamTech Large 2x500lm CGL	10VA/9W**	3h	1000 lm	2x LiFePo4 6.4V / 3.2Ah
BT4LL-G1	BeamTech Large 4x500lm	10VA / 9W*	1h	2000 lm	2x LiFePo4 6.4V / 3.2Ah
BT4LL-G1-AT	BeamTech Large 4x500lm AT	10VA / 9W*	1h	2000 lm	2x LiFePo4 6.4V / 3.2Ah
BT4LL-G1CGL	BeamTech Large 4x500lm CGL	10VA / 9W*	1h	2000 lm	2x LiFePo4 6.4V / 3.2Ah

\* While charging, less than 1W in standby  
\*\*While charging, less than 2W in standby

## Accessories

Order code	Description
BTLGRID	BeamTech Large/BeamLitell Grid (54x44x22)



Eaton is a power management company with 2017 sales of \$20.4 billion. We provide energy-efficient solutions that help our customers effectively manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. Eaton is dedicated to improving the quality of life and the environment through the use of power management technologies and services. Eaton has approximately 98,000 employees and sells products to customers in more than 175 countries.

For more information, visit **Eaton.com**.

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