Safety 360°

E·T·N

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.

BeamLite II 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.

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.
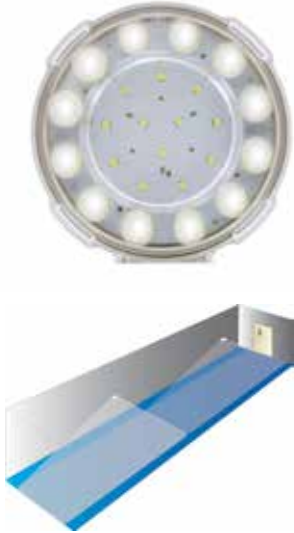
Beam Lite II

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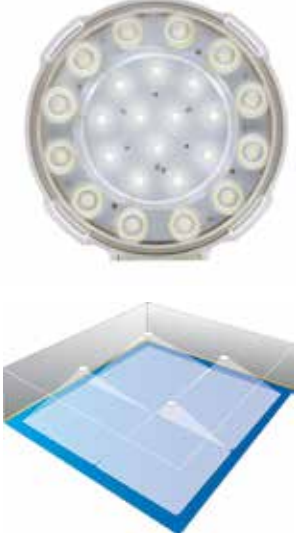
Additionally, the user can direct the light output to test the product light direction via a test button and install the light heads to best suit the application.

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.
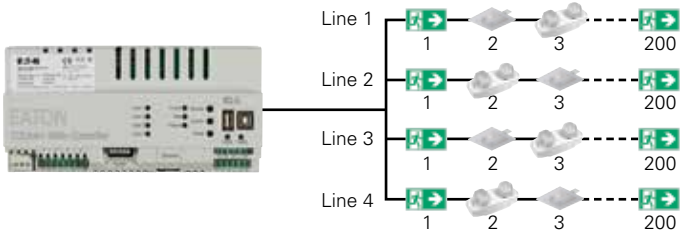

Narrow light distribution enables installations and ideal for large, escape routes and illumination of safety equipments.
A maximum spacing of up to 16.5m between luminaires reduces the number of required light points and an application range from 5m up to 20m for 1Lux enables mounting at the normally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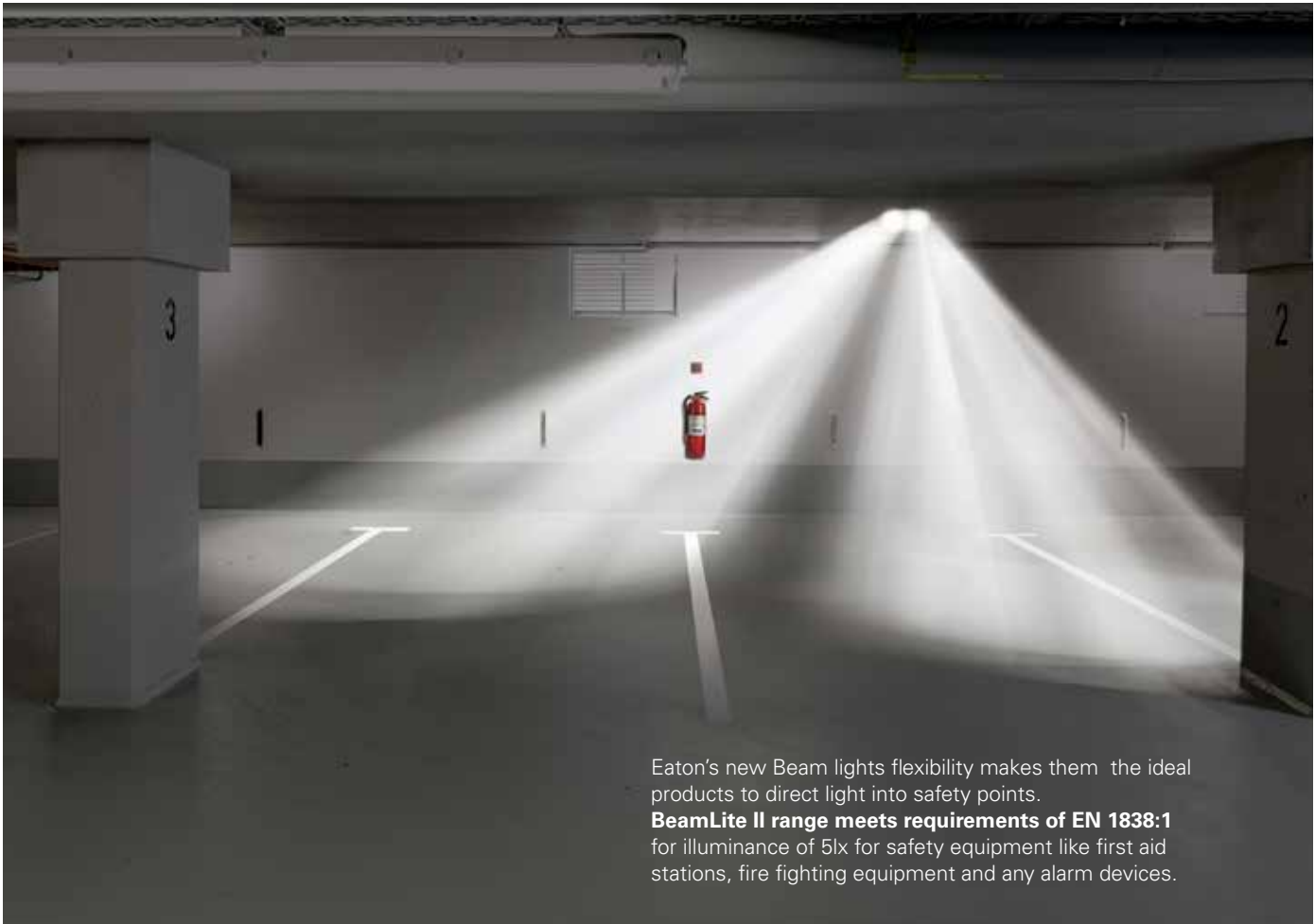

Wide light distribution enables higher height installations and ideal for large and high areas where no fixed escape route is defined, meaning that the complete area must be illuminated.
A maximum spacing of up to 16m between luminaires reduces the number of required light points and an application range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

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.

Line 1   1 2 3 200
Line 2   1 2 3 200
Line 3   1 2 3 200
Line 4   1 2 3 200

Eaton's new Beam lights flexibility makes them the ideal products to direct light into safety points. **BeamLite II 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.

2 LED lamp heads, directed on specific degrees of inclination easily configurable
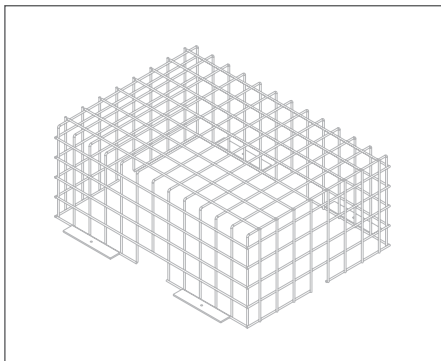

Led lamp directed on specific degrees of inclination from 0° to 90° and rotated up to 360°

Rotation stopping point with degree information displayed

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

Protection grid available

Quick and easy installation

BeamLite II range was designed to provide a fast installation with easy access to the unit and cable entry from either 3 sides (left, right and up) or rear of the fitting via BESA entry. Entry points can be protected with IP65 cable glands and a sealing gasket is provided for the complete enclosure.

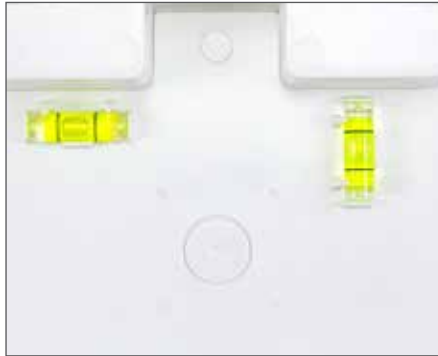Certified IP65, with supplied cable glands and sealing gasket for BeamLiteII top enclosure protection.

Cable entries from Left/Right and Up, 12mm² In/Out and Besa entry from the back of BeamLiteII.

Up to 1,5mm² multicore, In & Out mains terminals (L,N,E)

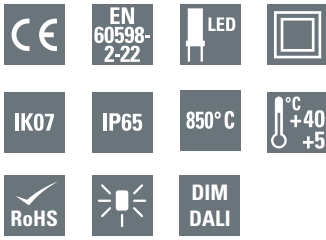Leveling indicators included for proper adjustment of housing during installation.

Installation points in the outside perimeter, assuring the IP65 protection
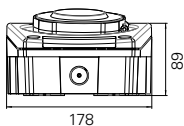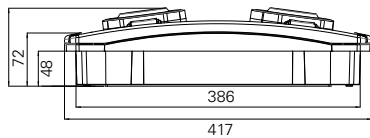
Self-contained luminaires

BeamLite II

CE	EN 60598-2-22	LED	▣
IK07	IP65	850°C	°C +40 +5
RoHS	☀	DIM DALI	

BeamLite II

Dimensions in mm

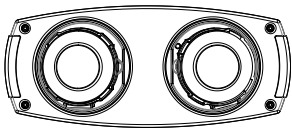106
72
48
386
417

178
88

Protection grid

220
390
440

Features & Benefits

- High flux luminaire with configuration of two directional LED lamp heads
- Installation up to 25m (30m) with optimum spacing of 34.6m (40.28m) 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 and stadiums etc.)
- New modern design, wall mounted
- Mains & communication cabling option from all housing sides (back & side entry)
- Locking mechanism of light head preventing accidental change of light heads configuration
- For autonomous installation or connection to the DALI monitoring system
- Low operating costs via low connected load
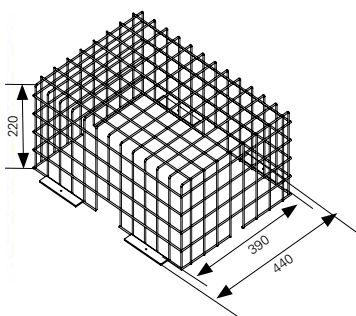- Simple fault analysis and status display via a Green/Red bi-color LED

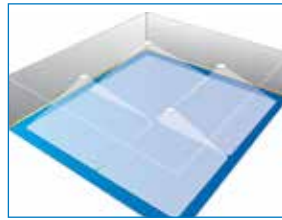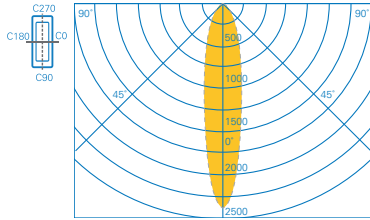|	
Luminous flux	200lm, 400lm, 800lm
Operation	Non-Maintained
Autonomy	3 hours
Testing system	Test button
Degree of protection	IP65 & IK07
Connection terminals	Up to 2.5 mm² multicore In & Out mains terminals (L, N, E) DALI bus through-wiring up to 1.5 mm²
Rated voltage	220-240Vac, 50/60Hz
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing color	RAL9003
Insulation class	Class II
Permissible ambient temperature	+5°C to +40°C
Light source	12 LEDs Wide / 12 LEDs Narrow (4W max)

Ordering details

Order code	Description	⚡	⏱	☀	🔋
BL2MC-A3	BeamLite II 2x100lm	2.28VA / 1.6W	3h	200 lm	4Cs NiCd 4.8V / 1.7Ah
BL2MC-A3CGL	BeamLite II 2x100lm 3h CGL	2.3VA / 1.6W	3h	200 lm	4Cs NiCd 4.8V / 1.7Ah
BL2MD-C3UK	BeamLite II 2x200lm	3VA / 2.4W	3h	400 lm	2x 3.6V / 2Ah NiCd
BL2MD-C3	BeamLite II 2x200lm	5VA / 4.5W	3h	400 lm	6D NiCd 7.2V / 4Ah
BL2MD-C3-AT	BeamLite II 2x200lm 3h AT	5VA / 4.5W	3h	400 lm	6D NiCd 7.2V / 4Ah
BL2MD-C3CGL	BeamLite II 2x200lm 3h CGL	5VA / 4.5W	3h	400 lm	6D NiCd 7.2V / 4Ah
BL2MD-C3DL	BeamLite II 2x200lm 3h DALI	5VA/4.5W	3h	400 lm	6D NiCd 7.2V / 4Ah
BL2MD-E3	BeamLite II 2x400lm	5VA / 4.5W	3h	800 lm	6D NiCd 7.2V / 4Ah
BL2MD-E3CGL	BeamLite II 2x400lm 3h CGL	5VA / 4.5W	3h	800 lm	6D NiCd 7.2V / 4Ah

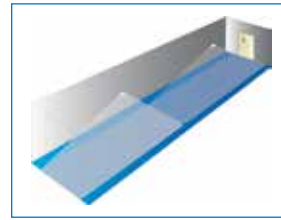### Accessories

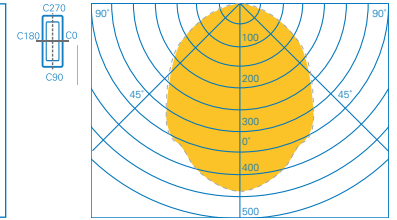| Order code	Description
BTLGrid	BeamLite II Grid (53x30x22)

BeamLite II
Narrow beam at 0°-0°

Open area for 0.5 lux

Escape route for 1 lux
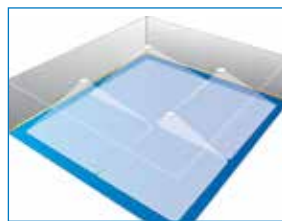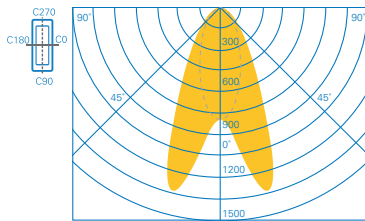
BeamLite II
Wide beam at 0°-0°

Planning help for BeamLite II 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 2x200lm Narrow beam at 0°-0°	5.00	4.4 (4.4)	10.9 (10.6)	4.4 (4.4)	10.9 (10.6)
	7.50	4.7 (4.9)	12.5 (13.4)	4.7 (4.9)	12.5 (13.3)
	10.00	4.7 (5.2)	13.2 (15.0)	4.7 (5.2)	13.2 (14.9)
	12.50	4.4 (5.2)	13.3 (16.3)	4.4 (5.3)	13.43 (16.2)
	15.00	4.0 (5.1)	13.0 (17.0)	4.0 (5.2)	13.2 (17.1)
	20.00	--- (4.7)	— (17.9)	--- (4.7)	— (18.0)
	25.00	--- (4.0)	— (18.1)	--- (4.0)	— (18.3)
Ceiling mounting Escape route centre 2 Light Heads 2x400lm Narrow beam at 0°-0°	7.50	6.2 (6.1)	15.8 (15.6)	6.2 (6.1)	15.8 (15.6)
	10.00	6.6 (6.7)	17.4 (18.4)	6.6 (6.7)	17.4 (18.3)
	12.50	6.7 (7.0)	18.3 (20.2)	6.7 (7.0)	18.3 (20.3)
	15.00	6.5 (7.2)	18.8 (21.7)	6.6 (7.2)	18.9 (21.6)
	20.00	5.8 (7.1)	18.7 (23.8)	5.9 (7.2)	18.9 (23.7)
	25.00	5.0 (6.7)	17.46 (24.9)	5.1 (6.8)	17.7 (25.0)
	30.00	--- (6.2)	— (25.5)	--- (6.2)	— (25.7)

Luminaire type	Height (m)	Distance for 1 Lux (0.5 Lux)			
		▦←□	□←→□	□→▦	□←→□
Ceiling mounting Escape route centre 2 Light Heads 2x200lm Wide beam at 0°-0°	2.50	4.2 (4.1)	9.9 (10.1)	4.2 (4.1)	10.3 (9.6)
	3.00	4.5 (4.4)	10.9 (10.8)	4.5 (4.4)	11.1 (10.9)
	4.00	4.9 (4.9)	12.3 (12.5)	4.9 (4.8)	12.4 (12.7)
	5.00	5.1 (5.3)	13.5 (13.9)	5.0 (5.3)	13.4 (13.8)
	7.50	5.0 (5.6)	14.5 (16.9)	5.0 (5.6)	14.4 (16.8)
	10.00	3.5 (5.5)	14.3 (18.3)	3.5 (5.5)	14.1 (18.0)
Ceiling mounting Escape route centre 2 Light Heads 2x400lm Wide beam at 0°-0°	3.00	5.5 (—)	13.2 (—)	5.5 (—)	13.3 (—)
	4.00	6.2 (5.9)	15.1 (15.0)	6.2 (5.9)	15.4 (14.7)
	5.00	6.8 (6.4)	16.6 (16.2)	6.7 (6.4)	16.6 (16.9)
	7.50	7.2 (7.4)	19.4 (20.3)	7.2 (7.3)	19.4 (20.2)
	10.00	7.1 (7.7)	20.4 (23.4)	7.1 (7.7)	20.2 (23.1)
	12.50	6.5 (7.8)	20.2 (25.1)	6.4 (7.7)	20.4 (24.7)
	15.00	4.0 (7.6)	20.1 (26.1)	4.0 (7.6)	20.1 (25.8)

BeamLite II
Narrow beam at 15°-15° slope

Open area for 0.5 lux

Escape route for 1 lux

BeamLite II
Wide beam at 15°-15° slope

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

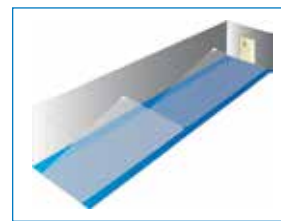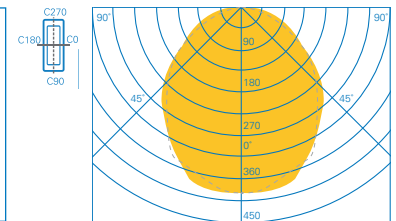Maintenance factor MF = 80 %, battery operation and distances in m

Luminaire type	Height (m)	Distance for 1 Lux (0.5 Lux)			
		▦←□	□←→□	□→▦	□←→□
Ceiling mounting Escape route centre 2 Light Heads 2x200lm Narrow beam at 15°-15°	4.00	3.9 (—)	9.5 (—)	4.4 (—)	10.9 (—)
	5.00	4.2 (4.2)	10.5 (10.7)	4.7 (4.7)	11.8 (12.3)
	7.50	4.4 (4.6)	11.9 (12.7)	5.4 (5.5)	13.7 (14.2)
	10.00	4.0 (4.6)	12.4 (13.8)	5.7 (6.2)	14.9 (15.6)
	12.50	3.3 (4.1)	12.1 (14.2)	6.0 (7.0)	15.8 (16.6)
	15.00	1.8 (2.7)	11.1 (13.4)	6.1 (8.1)	16.3 (16.3)
Ceiling mounting Escape route centre 2 Light Heads 2x400lm Narrow beam at 15°-15°	5.00	5.3 (—)	12.6 (—)	5.9 (—)	14.7 (—)
	7.50	6.0 (5.8)	15.3 (15.6)	6.9 (6.6)	17.1 (17.9)
	10.00	6.2 (6.2)	16.6 (17.7)	7.5 (7.4)	19.0 (19.7)
	12.50	6.0 (6.3)	17.3 (18.8)	7.9 (8.1)	20.4 (21.1)
	15.00	5.53 (6.1)	17.5 (19.7)	8.14 (8.8)	21.4 (22.5)
	20.00	3.4 (4.5)	16.17 (19.5)	8.6 (10.6)	22.6 (23.4)

Luminaire type	Height (m)	Distance for 1 Lux (0.5 Lux)			
		▦←□	□←→□	□→▦	□←→□
Ceiling mounting Escape route centre 2 Light Heads 2x200lm Wide beam at 15°-15°	2.50	4.1 (4.1)	10.0 (9.6)	4.1 (4.0)	10.3 (10.2)
	3.00	4.4 (4.3)	11.1 (10.8)	4.5 (4.4)	10.9 (11.2)
	4.00	4.9 (4,8)	12.1 (12.7)	4.9 (4.8)	12.2 (12.6)
	5.00	5.0 (5.1)	13.3 (14.1)	5.1 (5.2)	13.15 (13.9)
	7.50	4.8 (5.6)	14.1 (16.5)	4.8 (5.6)	14.6 (16.1)
	10.00	3.1 (5.3)	13.6 (18.0)	3.4 (5.7)	14.0 (18.4)
Ceiling mounting Escape route centre 2 Light Heads 2x400lm Wide beam at 15°-15°	2.50	5.0 (—)	11.9 (—)	5.1 (—)	12.7 (—)
	3.00	5.5 (—)	13.0 (—)	5.5 (—)	13.6 (—)
	4.00	6.0 (5.7)	15.2 (14.8)	6.1 (5.8)	15.2 (15.4)
	5.00	6.6 (6.4)	16.5 (16.7)	6.6 (6.3)	16.3 (17.0)
	7.50	7.1 (7.1)	19.2 (20.0)	7.3 (7.3)	18.9 (20.1)
	10.00	6.8 (7.5)	20.0 (22.7)	7.0 (7.7)	20.5 (22.4)
	12.50	6.2 (7.9)	19.9 (24.2)	6.0 (7.7)	20.6 (24.6)
	15.00	3.1 (6.5)	19.1 (25.5)	3.8 (8.0)	19.3 (26.3)

* 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 LDT files available on request.

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.**

E·AT·N

Powering Business Worldwide