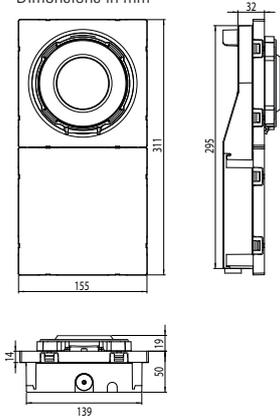


BeamTech, 1 Light Head



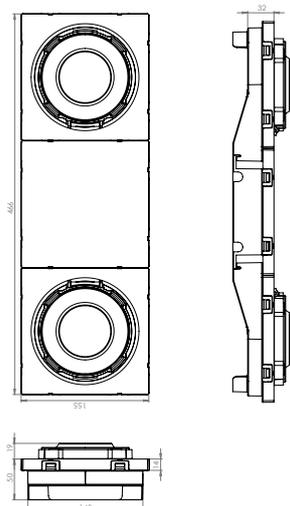
Dimensions in mm



BeamTech, 2 Light Heads



Dimensions in mm



### BeamTech

- LED safety luminaire with high ingress protection class (IP65) with one or two adjustable light heads with 400 lm each
- Light heads are rotatable in two axes in 15° steps and are equipped with a locking mechanism preventing accidental change of light head configuration
- Narrow or wide beam option can be configured individually per light head via jumper switches
- For better aesthetics of the product the two IP65 cable glands are integrated in the power supply unit so that they are invisible after installation
- One product applicable for escape route illumination, open area illumination or for illuminating points of emphasis in accordance with EN 1838
- Narrow beam option enables escape illumination from up to 30 m height and gives a maximum spacing between luminaires up to 29 m (with 2 light heads)
- Wide beam option for wide area lighting with up to 16 m height and up to 20 m spacing (with 2 light heads)
- Shortened inspection effort due to CEWA GUARD technology
- Automatic function monitoring for up to 20 luminaires per circuit
- Reduced installation cost through STAR Technology
- Freely programmable mixed operation, allowing the switching of luminaire modes within one circuit

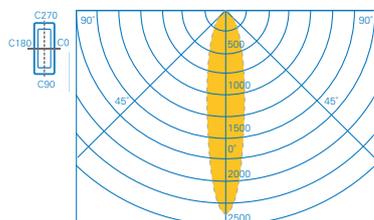
Luminous flux $\Phi_N$	BT1S-CCGS: 1 x 400 lm BT2S-ECGS: 2 x 400 lm
Luminous flux $\Phi_E/\Phi_N$ at end of rated operating time	100%
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing colour	RAL 9003
Weight	BT1S-CCGS: 0.75 kg BT2S-ECGS: 1.2 kg
Type of mounting	Wall or ceiling surface mounting, recessed with optional base
Protection category	IP65
Insulation class	II
Mechanical impact resistance	IK07
Supply terminals	3 x 2 x 2.5 mm <sup>2</sup> (max. 2 A)
Power input	220- 240 V AC, 50/60 Hz // 176-275 V DC
Current consumption- battery operation (220 V)	BT1S-CCGS: 20 mA BT2S-ECGS: 42 mA
Power consumption mains operation (apparent power/effective power)	BT1S-CCGS: 7.5 VA / 4.4W BT2S-ECGS: 10.5 VA / 8.7 W
Inrush current	BT1S-CCGS: 1.1 A BT2S-ECGS: 1.4 A
Permissible ambient temperature	-20 °C to +40 °C
Light source	1 (2) x 12 LEDs Wide / 1 (2) x 12 LEDs Narrow

### Ordering details

Type	Scope of supply	Order No.
BeamTech 1 x Light head CG-S	BeamTech CG-S, 1 x 400 lm, IP65	BT1S-CCGS
BeamTech 2 x Light head CG-S	BeamTech CG-S, 2 x 400 lm, IP65	BT2S-ECGS

### Accessories

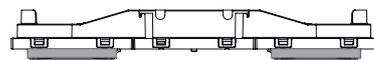
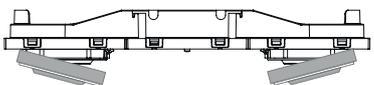
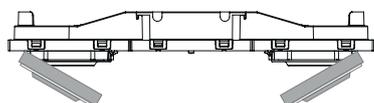
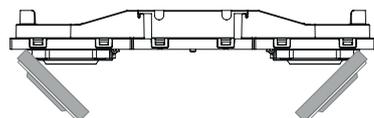
Type	Order No.
BeamTech recessed base for 1x light head	BT1SRB
BeamTech recessed base for 2 x light head	BT2SRB
BeamTech protection grid	BTSGRID



Light distribution curve  
BeamTech narrow beam

**Planning help for BeamTech 2 x 400 lm, narrow beam E = 1.0 lx (0.5 lx)**

Measuring level: 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m



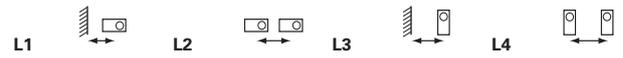
Mounting height [m]	Types of mounting	Types of mounting			
		L1	L2	L3	L4
3.0	Ceiling mounting	7.2 (8.7)	17.4 (21.0)	3.4 (4.5)	9.0 (11.7)
4.0	Exit route centre	8.3 (9.9)	19.8 (23.9)	3.6 (4.8)	9.5 (12.6)
5.0	Inclination angle 45°	9.2 (11.0)	22.0 (26.5)	3.6 (5.0)	10.0 (13.2)
6.0		10.1 (12.0)	24.0 (28.9)	3.5 (5.1)	10.3 (13.7)
7.0		11.0 (13.0)	25.9 (31.0)	3.3 (5.1)	10.1 (14.2)
8.0		11.8 (13.8)	27.6 (33.0)	2.9 (5.0)	10.0 (14.5)
9.0		12.5 (14.7)	29.5 (35.0)	2.0 (4.9)	9.8 (14.5)
3.0	Ceiling mounting	5.8 (7.0)	14.0 (16.9)	3.9 (4.9)	9.7 (12.2)
4.0	Exit route centre	6.6 (8.0)	15.9 (19.2)	4.3 (5.4)	10.8 (13.4)
5.0	Inclination angle 30°	7.2 (8.8)	17.6 (21.3)	4.7 (5.8)	11.6 (14.6)
6.0		7.9 (9.6)	19.1 (23.2)	5.0 (6.2)	12.4 (15.6)
8.0		8.9 (10.8)	21.7 (26.3)	5.1 (6.9)	13.8 (17.2)
10.0		9.8 (11.9)	23.8 (29.0)	4.7 (7.2)	14.3 (18.7)
12.0		10.7 (13.0)	25.9 (31.5)	3.8 (7.1)	14.2 (19.8)
14.0		11.5 (13.8)	27.6 (33.5)	1.8 (6.7)	13.4 (20.3)
8.0	Ceiling mounting	7.0 (8.9)	17.7 (21.9)	6.1 (7.8)	15.6 (19.0)
10.0	Exit route centre	7.5 (9.6)	19.1 (23.8)	6.2 (8.3)	16.7 (21.1)
12.0	Inclination angle 15°	7.9 (10.1)	20.1 (25.6)	6.1 (8.7)	17.3 (22.6)
14.0		8.1 (10.6)	21.2 (26.9)	5.8 (8.8)	17.6 (23.5)
16.0		8.4 (10.9)	21.9 (28.0)	5.3 (8.7)	17.5 (24.3)
18.0		8.5 (11.3)	22.5 (29.0)	4.6 (8.5)	17.0 (24.6)
20.0		8.6 (11.4)	22.9 (30.0)	3.5 (8.2)	16.4 (24.9)
22.0		8.6 (11.8)	23.5 (30.7)	1.3 (7.7)	15.3 (24.8)
10.0	Ceiling mounting	6.7 (8.7)	17.4 (21.9)	6.7 (8.7)	17.4 (21.9)
12.0	Exit route centre	6.8 (9.1)	18.3 (23.4)	6.8 (9.1)	18.3 (23.4)
14.0	Inclination angle 0°	6.7 (9.4)	18.8 (24.6)	6.7 (9.4)	18.8 (24.6)
16.0		6.5 (9.5)	19.1 (25.5)	6.5 (9.5)	19.1 (25.5)
18.0		6.3 (9.5)	19.0 (26.2)	6.3 (9.5)	19.0 (26.2)
20.0		6.0 (9.4)	18.9 (26.7)	6.0 (9.4)	18.9 (26.7)
22.0		5.6 (9.3)	18.6 (26.9)	5.6 (9.3)	18.6 (26.9)
24.0		5.3 (9.1)	18.2 (27.0)	5.3 (9.1)	18.2 (27.0)

Due to the variety of possible rotation and inclination combinations the above can only be examples for basic configurations. For more detailed lighting design photometric files (Eulumdat) are available. For the lighting design please consider the fixed rotating and inclinations steps of 15°.

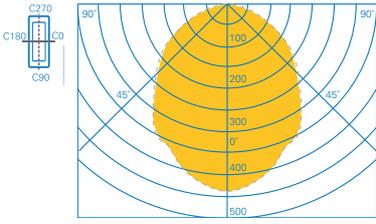
### Planning help for BeamTech 1 x 400 lm. wide beam E = 1.0 lx (0.5 lx)

Measuring level: 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

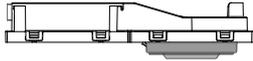
Mounting height [m]      Types of mounting



Mounting height [m]	Types of mounting	L1	L2	L3	L4
3.0	Ceiling mounting	4.5 (5.5)	11.1 (13.3)	4.5 (5.5)	11.1 (13.3)
4.0	Exit route centre	4.9 (6.2)	12.4 (15.3)	4.9 (6.2)	12.4 (15.3)
5.0	Inclination angle 0°	5.1 (6.8)	13.5 (16.7)	5.1 (6.8)	13.5 (16.7)
6.0		5.2 (7.1)	14.1 (18.0)	5.2 (7.1)	14.1 (18.0)
7.0		5.1 (7.2)	14.4 (19.1)	5.1 (7.2)	14.4 (19.1)
8.0		5.0 (7.3)	14.6 (19.8)	5.0 (7.3)	14.6 (19.8)
9.0		4.5 (7.3)	14.5 (20.2)	4.5 (7.3)	14.5 (20.2)
10.0		3.5 (7.2)	14.3 (20.4)	3.5 (7.2)	14.3 (20.4)
11.0		2.4 (7.1)	14.1 (20.6)	2.4 (7.1)	14.1 (20.6)



Light distribution curve  
BeamTech wide beam



3.0	Ceiling mounting	3.5 (4.2)	9.3 (11.0)	3.5 (4.2)	9.4 (11.1)
4.0	Room illumination	3.6 (4.6)	10.7 (12.8)	3.7 (4.7)	10.8 (12.9)
5.0	Inclination angle 0°	3.9 (4.8)	11.8 (14.4)	3.9 (4.8)	11.8 (14.4)
6.0		3.8 (5.0)	12.7 (15.6)	3.8 (5.1)	12.7 (15.7)
7.0		3.5 (5.3)	13.4 (16.6)	3.6 (5.4)	13.5 (16.7)
8.0		3.2 (5.3)	13.9 (17.5)	3.3 (5.4)	14.0 (17.6)
9.0		3.2 (4.9)	14.2 (18.4)	3.2 (5.0)	14.2 (18.5)
10.0		2.8 (4.6)	14.4 (19.1)	2.8 (4.7)	14.4 (19.2)
11.0		2.6 (4.4)	14.5 (19.6)	2.6 (4.5)	14.5 (19.7)
12.0		2.5 (4.2)	14.5 (19.9)	2.5 (4.3)	14.5 (20.0)

### Planning help for BeamTech 2 x 400 lm. wide beam E = 1.0 lx (0.5 lx)

Measuring level: 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Mounting height [m]      Types of mounting



Mounting height [m]	Types of mounting	L1	L2	L3	L4
3.0	Ceiling mounting	5.5 (6.6)	13.3 (15.7)	5.5 (6.6)	13.3 (15.7)
4.0	Exit route centre	6.2 (7.7)	15.3 (18.2)	6.2 (7.7)	15.3 (18.2)
5.0	Inclination angle 0°	6.8 (8.4)	16.7 (20.4)	6.8 (8.4)	16.7 (20.4)
6.0		7.1 (9.0)	18.0 (22.2)	7.1 (9.0)	18.0 (22.2)
7.0		7.2 (9.6)	19.1 (23.6)	7.2 (9.6)	19.1 (23.6)
8.0		7.3 (9.9)	19.8 (24.9)	7.3 (9.9)	19.8 (24.9)
9.0		7.3 (10.1)	20.2 (26.1)	7.3 (10.1)	20.2 (26.1)
10.0		7.2 (10.2)	20.4 (27.1)	7.2 (10.2)	20.4 (27.1)
11.0		7.1 (10.3)	20.6 (27.8)	7.1 (10.3)	20.6 (27.8)
12.0		6.8 (10.3)	20.6 (28.3)	6.8 (10.3)	20.6 (28.3)
13.0		6.1 (10.2)	20.5 (28.6)	6.1 (10.2)	20.5 (28.6)
14.0		5.1 (10.2)	20.3 (28.8)	5.1 (10.2)	20.3 (28.8)
15.0		4.1 (10.1)	20.1 (29.0)	4.1 (10.1)	20.1 (29.0)
16.0		2.5 (9.9)	19.8 (29.1)	2.5 (9.9)	19.8 (29.1)

3.0	Ceiling mounting	4.2 (5.0)	11.0 (13.0)	4.2 (4.9)	11.1 (12.9)
4.0	Room illumination	4.7 (5.6)	12.8 (15.2)	4.7 (5.6)	12.9 (15.2)
5.0	Inclination angle 0°	4.8 (6.1)	14.4 (17.1)	4.8 (6.1)	14.4 (17.1)
6.0		5.0 (6.5)	15.6 (18.7)	5.1 (6.5)	15.7 (18.8)
7.0		5.4 (6.6)	16.6 (20.3)	5.4 (6.6)	16.6 (20.3)
8.0		5.3 (6.8)	17.5 (21.6)	5.4 (6.8)	17.6 (21.6)
9.0		5.1 (7.1)	18.4 (22.7)	5.1 (7.1)	18.4 (22.7)
10.0		4.7 (7.3)	19.1 (23.6)	4.7 (7.4)	19.1 (23.7)
11.0		4.5 (7.4)	19.6 (24.5)	4.5 (7.4)	19.6 (24.6)
12.0		4.3 (7.1)	19.9 (25.5)	4.4 (7.1)	20.0 (25.5)
13.0		4.1 (6.8)	20.1 (26.3)	4.2 (6.8)	20.2 (26.3)
14.0		3.9 (6.4)	20.3 (27.0)	3.9 (6.4)	20.3 (27.0)
15.0		3.6 (6.1)	20.4 (27.5)	3.7 (6.2)	20.5 (27.6)
16.0		3.5 (5.9)	20.5 (27.9)	3.5 (6.0)	20.5 (28.0)