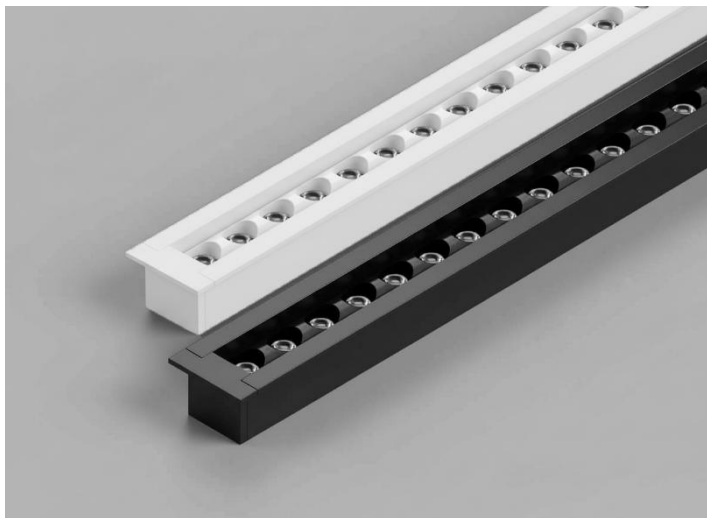


LTwo® Battery Recessed**48v constant voltage**

LTwo® BATTERY Recessed– Integrated Light Tube with Optics and battery contacts. Max 3,851 lumen, based on the modular, miniaturised LTwo® light source/luminaire system with 13 high-quality precision optics and Constant Current 25w/m, Constant Voltage 48 V DC -1,0 / +1,75 12w/m, 20w/m

Like batteries, the electrical connection is made at the ends using commercially available battery connectors. This makes it particularly easy to replace the LTwo® BATTERY without tools. 360° freely rotatable for ideal alignment and maximum flexibility.

Environmentally friendly due to minimal use of material (181 g/m), interchangeability, recyclability and high efficiency (up to 193 lm/W). Ideally suited for building and material integration as well as the construction of luminaires or use with a wide range of accessories.

- LTwo Battery Dimensions \varnothing 16.4 mm
- Fixture Length **308mm, 588mm, 868mm, 1148mm, 1428mm**
- Battery Length **285 mm, 565 mm, 845 mm, 1.125 mm, 1.405 mm**
- Output **12w and 20w 48v DC versions**
- Binning **3 SDCM**
- Lifetime **L80 B10 60,000 hours**
- Battery Housing Colour **White/White, White/Black, Black/Black**
- Luminaire Housing colour **White, Black, Silver, RAL Colour** (As specified)
- Efficiency **Up to 140.9 lm/W (WW) and 132,9 lm/W (BB)** subject to beam angle and CCT. Refer to data.
- Light distribution **10°, 13°, 25°, 40°, 60°, Batwing Narrow, Batwing Wide, Opal, Diffuse, Clear, 25° x 40° Asymmetrical**
- UGR Subject to beam angle. **As low as (<13) WW: 8,2 / 8,7 and BB: -5,3 / -8,6 (4H|8H / 70|50|20 / @1.000 lm)**
- Protection **IP40** (Indoor use only)
- Risk group (IEC 62471:2006) **RG 0 (2.700 K - 4.000 K) | RG 1 (5.000 K)**
- Dimmable – **DALI, DMX, Casambi**
- Housing temperature (Tc) **min. -20°C / max. +80°C**
- Ambient temperature (Ta) **min. -20°C / max. +45°C**

Technical Data
Battery Length, Lumen output @ 12w/m @ 10° High Bay

Colour (Finished CCT)	Battery Housing Colour	Battery Length/Fixture Power					Efficiency lm/w
		285mm (3.5w)	565mm (6.9w)	845mm (10.4w)	1125mm (13.8w)	1405mm (17.3w)	
2200k	White	Q4 2026	Q4 2026	Q4 2026	Q4 2026	Q4 2026	Q4 2026
	Black						
2700k	White	377	754	1131	1508	1885	109 lm/w
	Black	356	712	1068	1441	1779	103 lm/w
3000k	White	382	763	1145	1527	1908	110 lm/w
	Black	360	720	1081	1441	1801	104 lm/w
3500k	White	389	777	1166	1554	1943	112 lm/w
	Black	367	733	1100	1467	1833	106 lm/w
4000k	White	405	809	1214	1618	2023	117 lm/w
	Black	382	764	1145	1527	1909	110 lm/w
5000k	White	487	974	1460	1947	2434	140 lm/w
	Black	459	919	1378	1838	2297	132 lm/w

Note: Lumen outputs are typical only. Data based on 10° High Bay version (LDT files available)

Note: This product contains a lightsource of energy efficiency class E

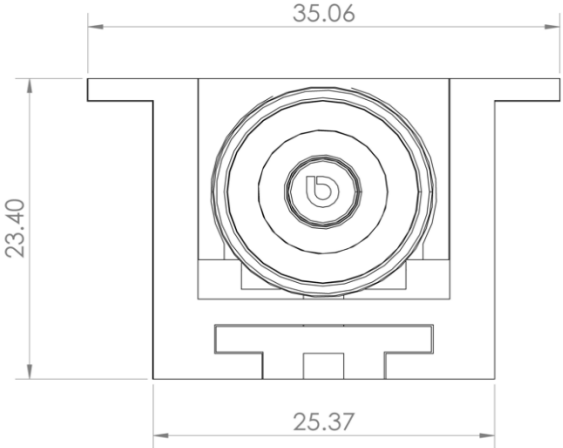
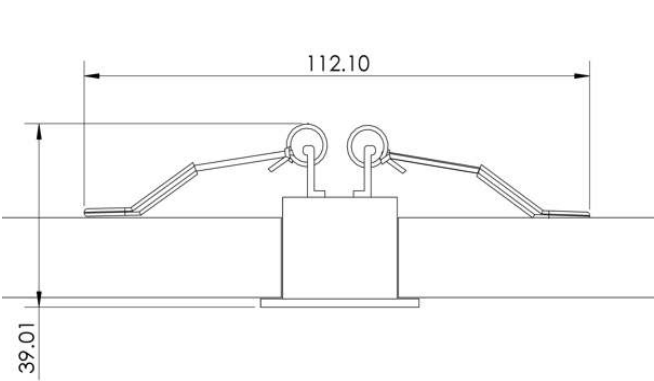
Technical Data
Battery Length, Lumen output @ 20w/m @ 10° High Bay

Colour (Finished CCT)	Battery Housing Colour	Battery Length/Fixture Power					Efficiency lm/w
		285mm (3.5w)	565mm (6.9w)	845mm (10.4w)	1125mm (13.8w)	1405mm (17.3w)	
2200k	White	Q4 2026	Q4 2026	Q4 2026	Q4 2026	Q4 2026	Q4 2026
	Black						
2700k	White	596	1193	1789	2386	2982	102 lm/w
	Black	563	1126	1689	2252	2815	96 lm/w
3000k	White	606	1211	1817	2423	3028	103 lm/w
	Black	572	1143	1715	2286	2858	98 lm/w
3500k	White	615	1230	1844	2459	3074	105 lm/w
	Black	580	1160	1741	2321	2901	99 lm/w
4000k	White	642	1284	1927	2569	3211	110 lm/w
	Black	606	1212	1818	2424	3031	103 lm/w
5000k	White	770	1540	2311	3081	3851	132 lm/w
	Black	727	1454	2181	2908	3634	124 lm/w

Note: Lumen outputs are typical only. Data based on 10° High Bay version (LDT files available)

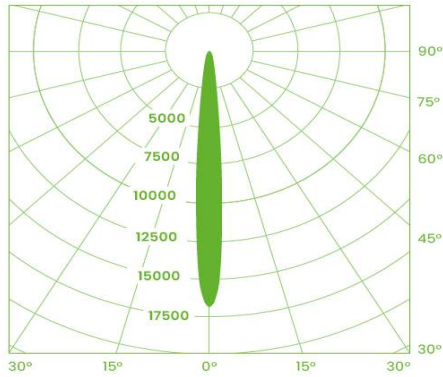
Note: This product contains a lightsource of energy efficiency class E

Product dimensions



10° High Bay

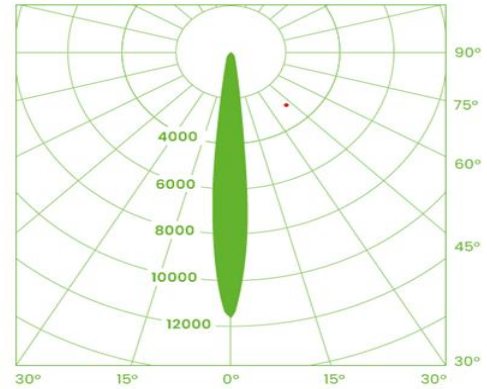
UGR <13 WW: 9,8 / 10,3 & BB: -3,7 / -7,0
(4H|8H / 70|50|20 / @1.000 lm)



■ C0/C180
■ C90/C270

13°

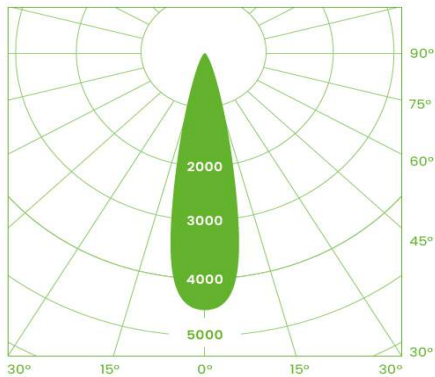
UGR <13 WW: 10,9 / 11,2 & BB: 2,2 / -0,7
(4H|8H / 70|50|20 / @1.000 lm)



■ C0/C180
■ C90/C270

25°

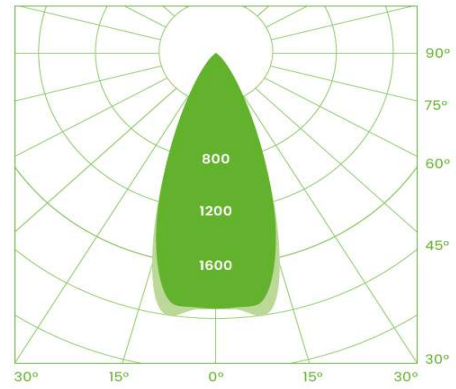
UGR <13 WW: 12,2 / 12,3 & BB: 6,1 / 4,0
(4H|8H / 70|50|20 / @1.000 lm)



■ C0/C180
■ C90/C270

40°

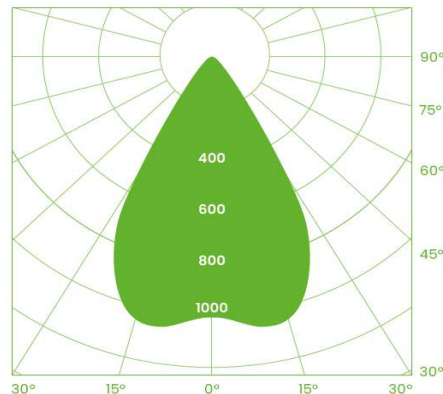
UGR <16 WW: 14,5 / 14,8 & BB: 9,9 / 9,6
(4H|8H / 70|50|20 / @1.000 lm)



■ C0/C180
■ C90/C270

60°

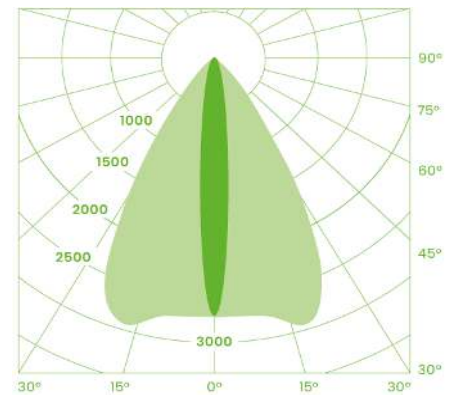
UGR <19 WW: 15,5 / 16,3 & BB: 14,1 / 15,4
(4H|8H / 70|50|20 / @1.000 lm)



■ C0/C180
■ C90/C270

Batwing Narrow (BWN)

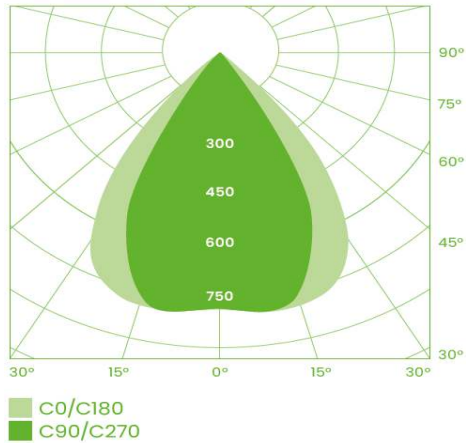
UGR <20 WW: 19,5 / 14,9 & BB: 18,2 / 4,9
(4H|8H / 70|50|20 / @1.000 lm)



■ C0/C180
■ C90/C270

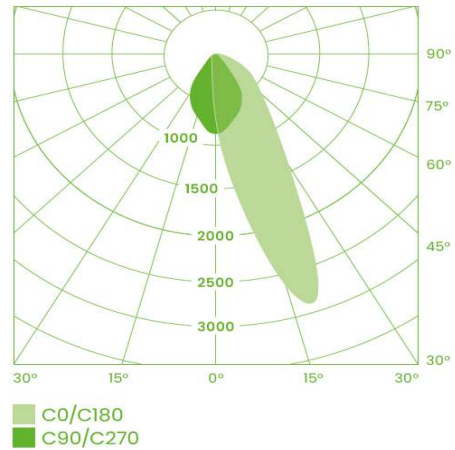
Batwing Wide (BWW)

UGR <22 WW: 21,2 / 17,3 & BB: 19,4 / 14,0
(4H|8H / 70|50|20 / @1.000 lm)



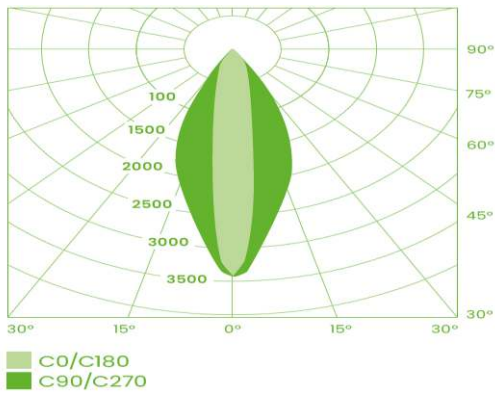
Wallwash

Asymmetrical



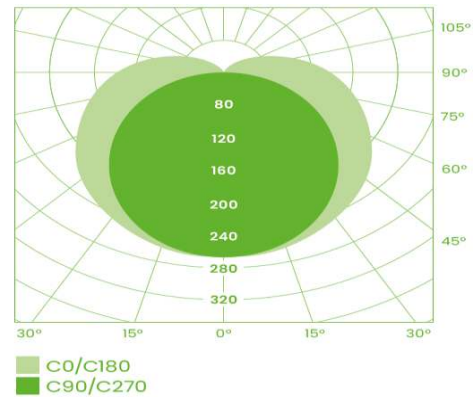
13° x 40° (Oval)

UGR <19 WW: 14,7 / 17,3 & BB: 7,9 / 14,3
(4H|8H / 70|50|20 / @1.000 lm)



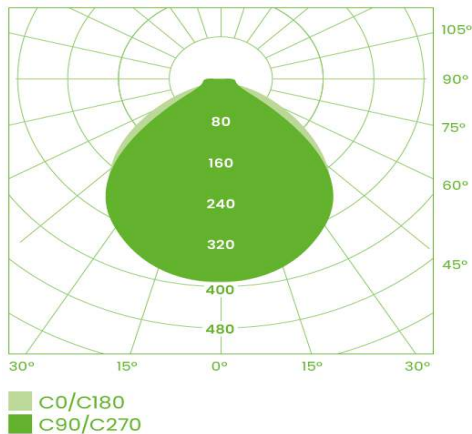
Opal (OP)

UGR * WW: 30,3 / 27,0 & BB: 29,4 / 26,2
(4H|8H / 70|50|20 / @1.000 lm)



Diffuse (DF)

UGR * WW: 25,6 / 27,9 & BB: 24,4 / 27,6
(4H|8H / 70|50|20 / @1.000 lm)



Clear (CL)

UGR * WW: 25,0 / 28,7 & BB: 24,0 / 28,4
(4H|8H / 70|50|20 / @1.000 lm)

