

ARCHITECTURAL FX

Technicians of Light

LTwo® Battery 48v Constant Voltage



LTwo® BATTERY Surface – 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 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 **299mm, 579mm, 859mm, 1139mm, 1419mm**

Battery Length **285 mm, 565 mm, 845 mm, 1125 mm, 1405 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 (2700 K - 4000 K) | RG 1 (5000 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 @ 13° Narrow Beam

48v DC constant voltage 12w/m		Battery Length/Fixture Power					
Colour (Finished CCT)	Battery Housing Colour	285mm	565mm	845mm	1125mm	1405mm	Efficiency
		(3.5w)	(6.9w)	(10.4w)	(13.8w)	(17.3w)	lm/w
2200k	White	343	688	1031	1376	1719	98 lm/w
	Black	324	647	971	1294	1616	92.5 lm/w
2400k	White	354	709	1063	1418	1772	101 lm/w
	Black	334	667	1001	1334	1666	95.4 lm/w
2700k	White	365	731	1096	1462	1827	105.7 lm/w
	Black	344	688	1032	1375	1718	99.5 lm/w
3000k	White	370	740	1110	1479	1849	107 lm/w
	Black	348	696	1044	1392	1740	100.7 lm/w
3500k	White	376	753	1129	1506	1882	108.9 lm/w
	Black	354	709	1063	1417	1771	102.5 lm/w
4000k	White	392	784	1176	1568	1960	113.4 lm/w
	Black	369	738	1107	1475	1844	106.7 lm/w
5000k	White	472	943	1415	1887	2359	136.5 lm/w
	Black	444	888	1332	1776	2219	128.4 lm/w
2700 - 6000k	White	Q3 2026	Q3 2026	Q3 2026	Q3 2026	Q3 2026	Q3 2026
	Black						
2200 - 4000k	White	Q4 2026	Q4 2026	Q4 2026	Q4 2026	Q4 2026	Q4 2026
	Black						

Technical Data
Battery Length, Lumen output @ 20w/m @ 13° Narrow Beam

48v DC constant voltage 20w/m		Battery Length/Fixture Power					
Colour (Finished CCT)	Battery Housing Colour	285mm	565mm	845mm	1125mm	1405mm	Efficiency
		(5.8w)	(11.7w)	(17.5w)	(23.3w)	(29.2w)	lm/w
2200k	White	544	1088	1632	2175	2719	93.7 lm/w
	Black	512	1024	1536	2047	2559	88.3 lm/w
2400k	White	561	1121	1682	2243	2803	96.7 lm/w
	Black	528	1055	1583	2111	2638	91 lm/w
2700k	White	578	1156	1734	2312	2890	99.1 lm/w
	Black	544	1088	1632	2176	2720	93.3 lm/w
3000k	White	587	1174	1761	2347	2934	100.6 lm/w
	Black	552	1105	1657	2209	2761	94.7 lm/w
3500k	White	596	1191	1787	2383	2979	102.1 lm/w
	Black	561	1121	1682	2242	2803	96.1 lm/w
4000k	White	622	1245	1867	2489	3112	106.7 lm/w
	Black	586	1171	1757	2342	2928	100.4 lm/w
5000k	White	746	1493	2239	2985	3732	128 lm/w
	Black	702	1405	2107	2809	3512	120.4 lm/w
2700 - 6000k	White	Q3 2026	Q3 2026	Q3 2026	Q3 2026	Q3 2026	Q3 2026
	Black						
2200 - 4000k	White	Q4 2026	Q4 2026	Q4 2026	Q4 2026	Q4 2026	Q4 2026
	Black						

Note: Lumen outputs are typical only. Data based on 13° Narrow Beam version (LDT files available)

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

Product dimensions

Endcaps - The battery is powered by battery contacts at each end.

Negative is the 'spring' contact

Positive is the 'Dimple' contact.

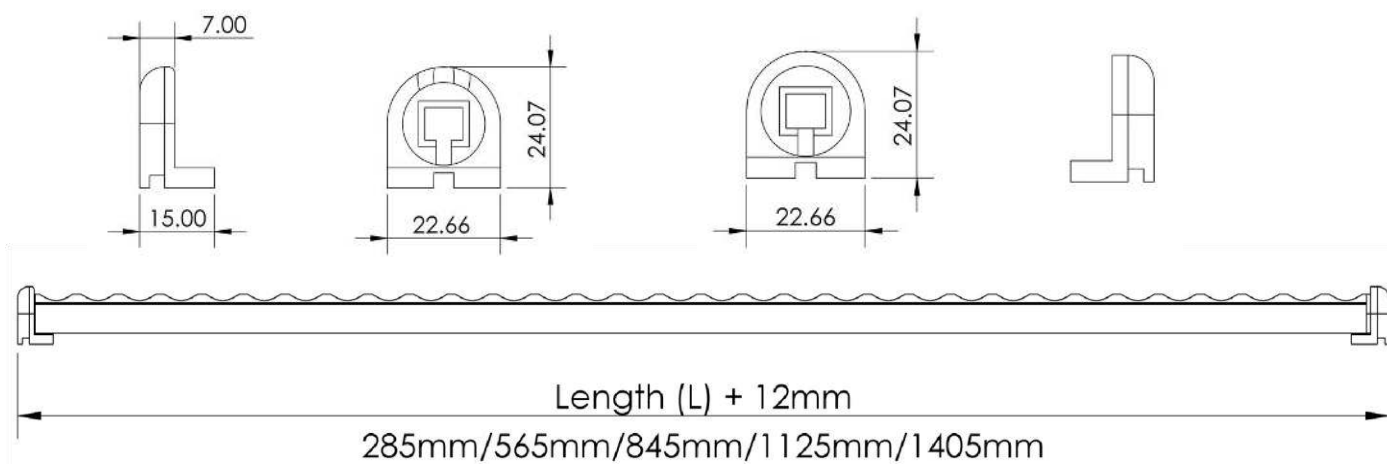
To remove the battery fixture, push the fixture into the 'spring endcap' and lift from the 'dimple' end.

'Dimple' endcap'

Positive

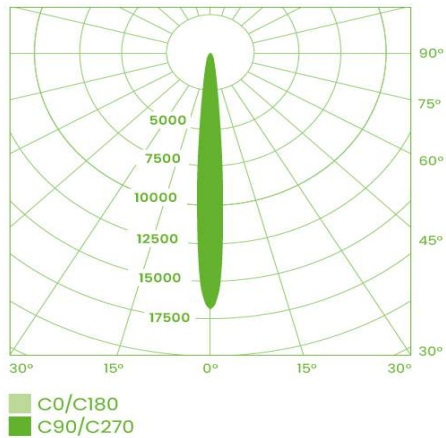
Spring' endcap

Negative



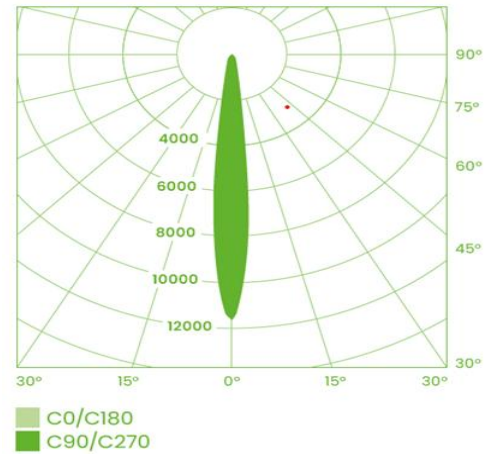
10° High Bay

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



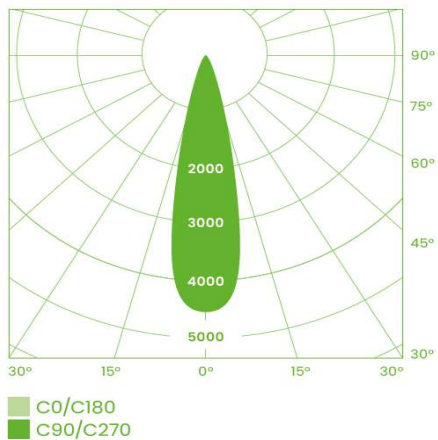
13°

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



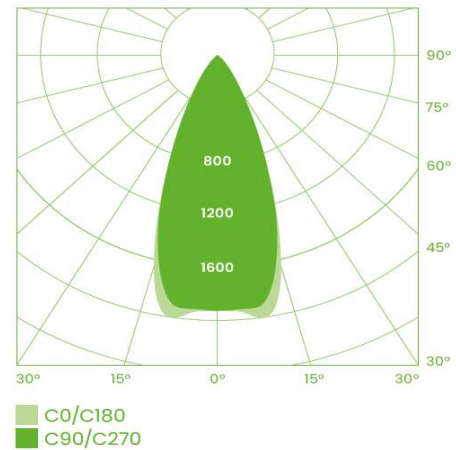
25°

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



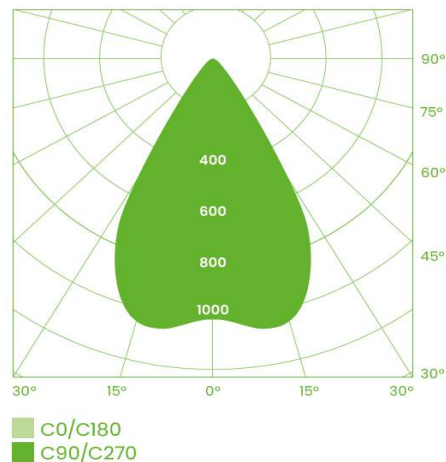
40°

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



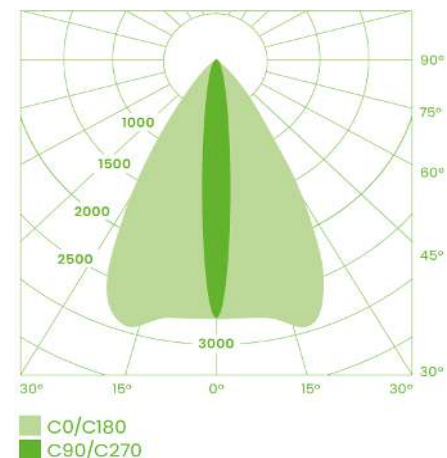
60°

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



Batwing Narrow (BWN)

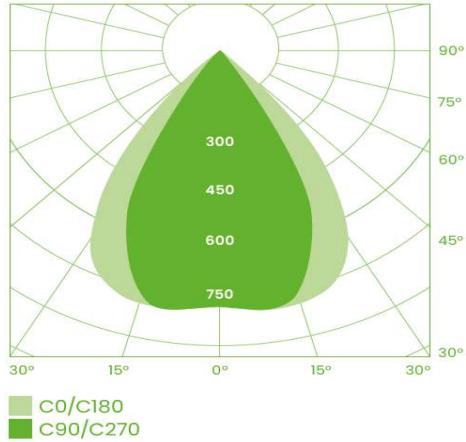
UGR <20 WW: 19,5 / 14,9 & BB: 18,2 / 4,9
(4H|8H / 70|50|20 / @1.000 lm)



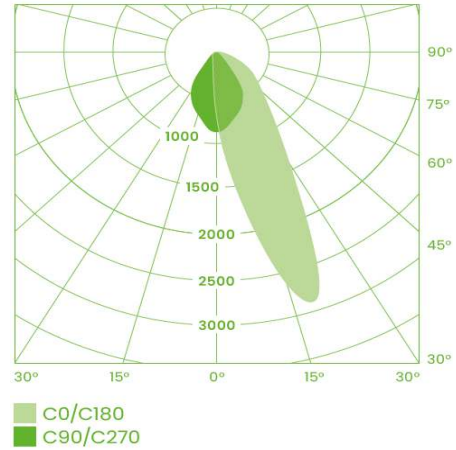
Batwing Wide (BWW)

Wallwash

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

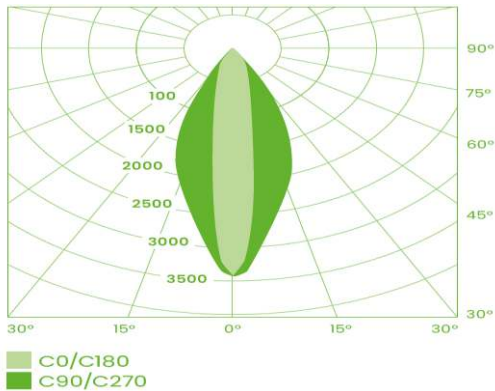


Asymmetrical



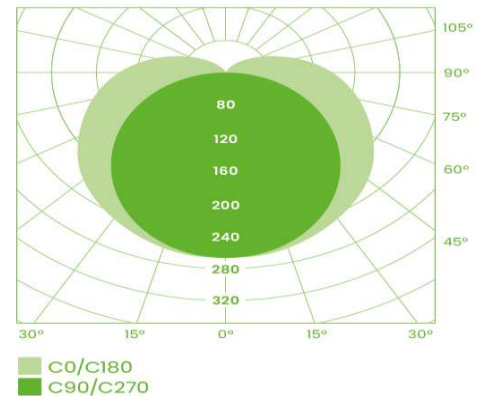
13° x 40° (Oval)

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



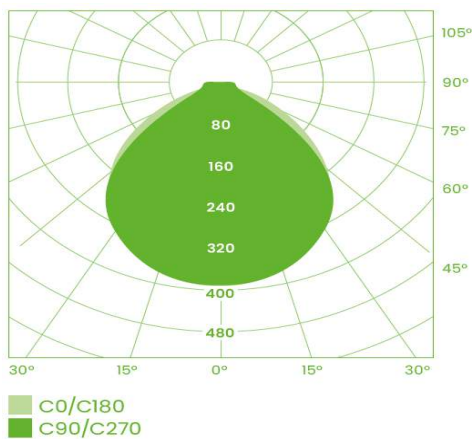
Opal (OP)

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)

