2.5" SQUARE IN-GROUND LIGHT
24V 5W 48° REFLECTOR 3000K (WARM WHITE)

Specifications

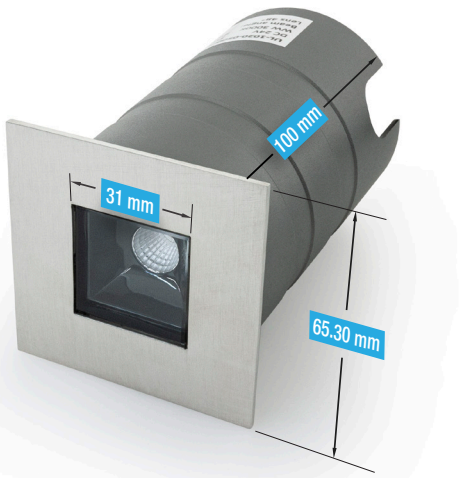
Model No.:	UL-1020-0500-A
Input Voltage:	24V DC
Wattage:	5W
Bulb Type:	Integrated LED
Color Temperature:	3000K (Warm White)
Housing Material:	Die-cast Aluminum body
Cap Material:	316 Stainless Steel
Beam Angle:	48° Reflector
Optics:	Secondary optics (Reflector)
IP Rating:	IP67 (Outdoor rated)
Dimmable:	Yes
Cable Size:	**Length:** 100cm (39.3in) **Diameter:** 7.5mm (0.3in) 18AWG
Dimensions with housing:	**Base Diameter:** 61mm (2.4in) **Side:** 65mm (2.5in) **Height:** 100mm (3.95in)
Dimensions without housing:	**Side:** 65mm (2.5in) **Height:** 61mm (2.4in)
Certification:	CE

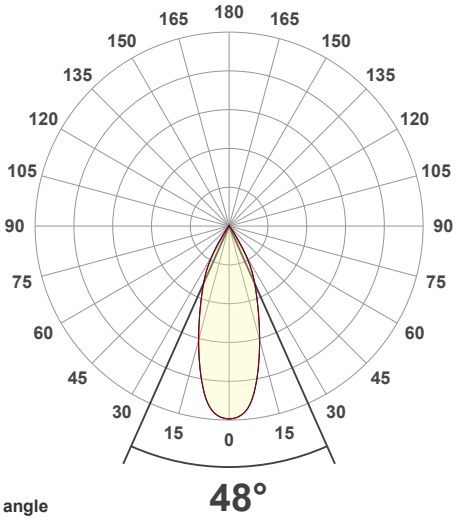
IP67
Waterproof

SKU#: 666561424176

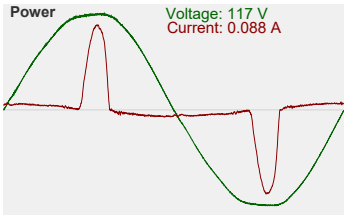
Features

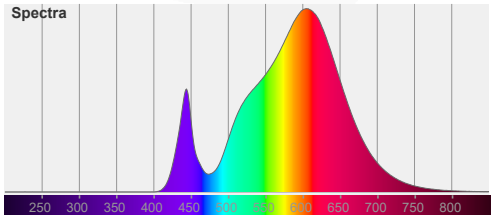
- Square-shaped in-ground light designed for outdoor applications.
- 5W integrated COB LED bulb with a warm white color temperature of 3000K.
- Powered by a 24V DC operating voltage and has a total power consumption of 5W.
- Made of a die-cast aluminum body with a 316 stainless steel cap color finish.
- IP67 rating, making it resistant to weather and being stepped upon.
- Dimmable, allowing you to adjust the brightness as per your requirements.
- Secondary optic (reflector) with a beam angle of 48° for scattering more light and creating glare for a spotlight application.



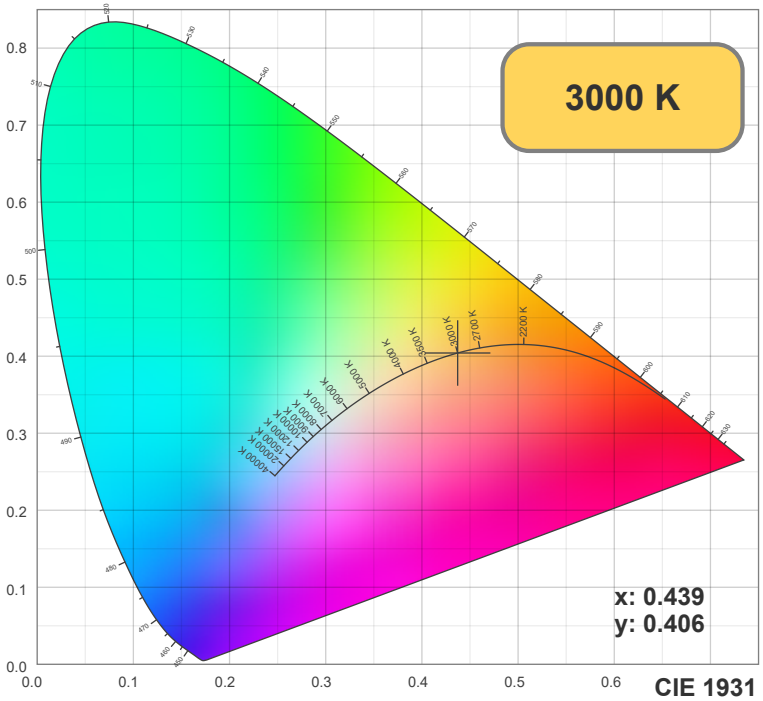


Beam angle

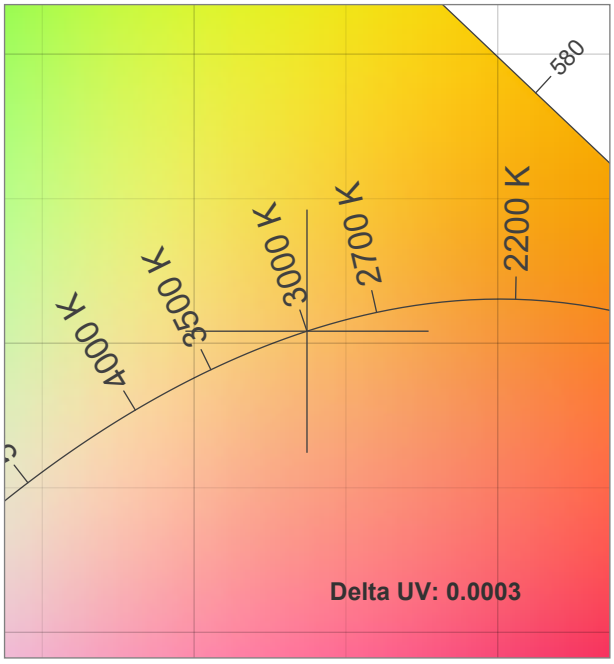




Disclaimer

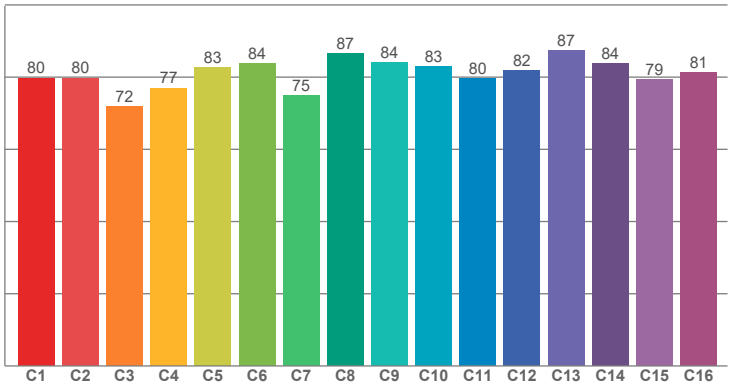


CIE 1931

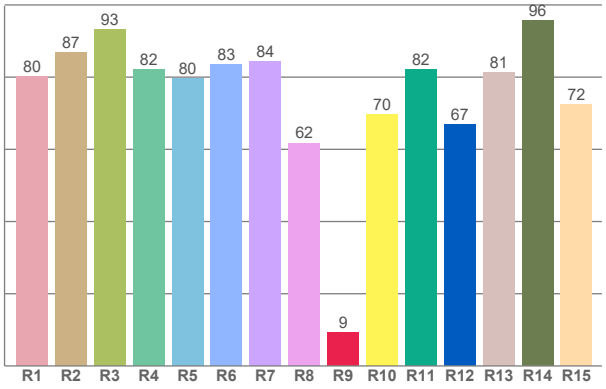


CIE 1931 ZOOM

TM30: 80.8



CRI: 81.4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
80.22	86.82	93.09	82.19	79.58	83.39	84.26	61.77	9.16	69.71	82.20	66.90	81.25	95.63	72.48

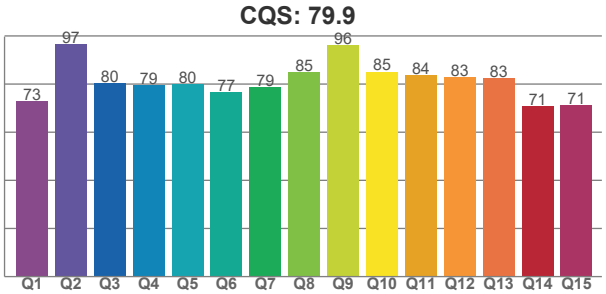
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.74	79.75	71.82	77.00	82.60	83.78	74.85	86.54	84.03	82.99	79.72	81.75	87.28	83.66	79.30	81.25

CQS Q values

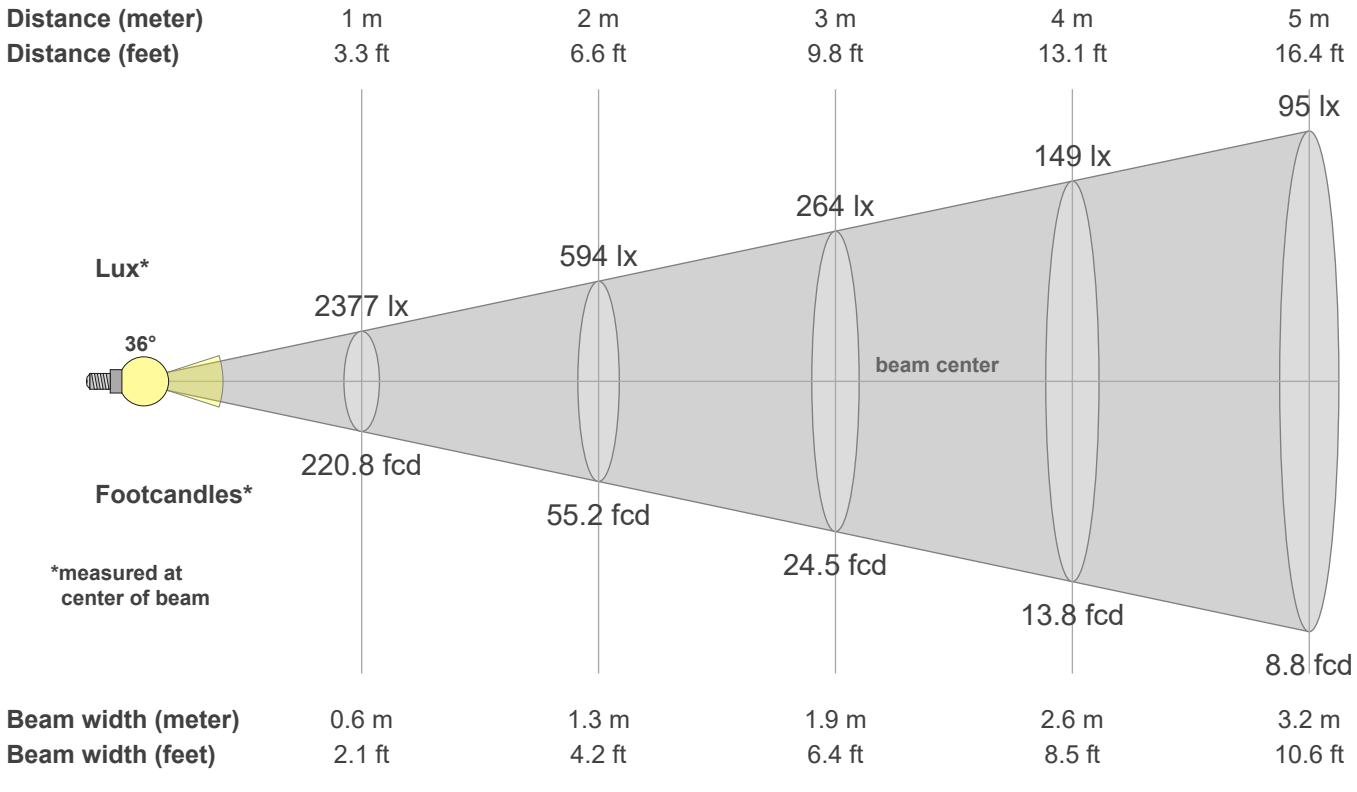
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
72.84	96.59	80.34	79.44	79.86	76.78	78.85	84.95	96.01	85.16	83.82	82.71	82.61	70.66	71.31

CQS: 79.9



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3000 K	81.4	9.2	80.8	100.0	79.9	0.4	0.4	0.3	0.3	0.0004



Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2377	2364	2324	2248	2117	1940	1746	1549	1359	1183	1027	893	775	664	540	400	262	144	84	44
100%	99%	98%	95%	89%	82%	73%	65%	57%	50%	43%	38%	33%	28%	23%	17%	11%	6%	4%	2%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2377	2364	2324	2248	2117	1940	1746	1549	1359	1183	1027	893	775	664	540	400	262	144	84	44
100%	99%	98%	95%	89%	82%	73%	65%	57%	50%	43%	38%	33%	28%	23%	17%	11%	6%	4%	2%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2377	2364	2324	2248	2117	1940	1746	1549	1359	1183	1027	893	775	664	540	400	262	144	84	44
100%	99%	98%	95%	89%	82%	73%	65%	57%	50%	43%	38%	33%	28%	23%	17%	11%	6%	4%	2%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2377	2364	2324	2248	2117	1940	1746	1549	1359	1183	1027	893	775	664	540	400	262	144	84	44
100%	99%	98%	95%	89%	82%	73%	65%	57%	50%	43%	38%	33%	28%	23%	17%	11%	6%	4%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.9°	64.7°	74.3°	99.9%	99.7%