



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

## Specifications



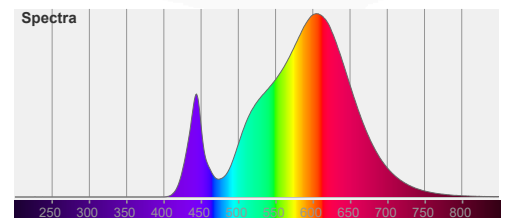
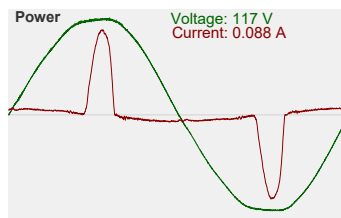
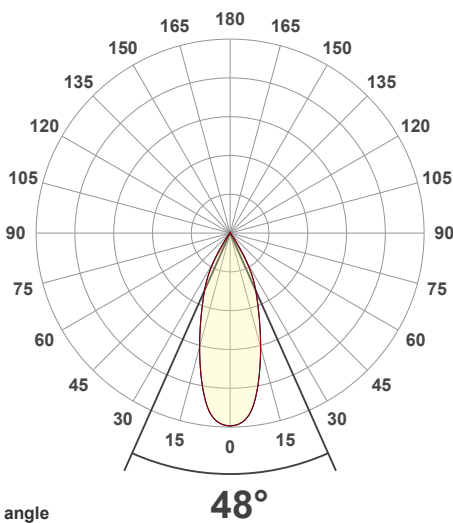
<b>Model No.:</b>	UL-1020-0500-A
<b>Input Voltage:</b>	24V DC
<b>Wattage:</b>	5W
<b>Bulb Type:</b>	Integrated LED
<b>Color Temperature:</b>	3000K (Warm White)
<b>Housing Material:</b>	Die-cast Aluminum body
<b>Cap Material:</b>	316 Stainless Steel
<b>Beam Angle:</b>	48° Reflector
<b>Optics:</b>	Secondary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



**SKU#: 666561424176**

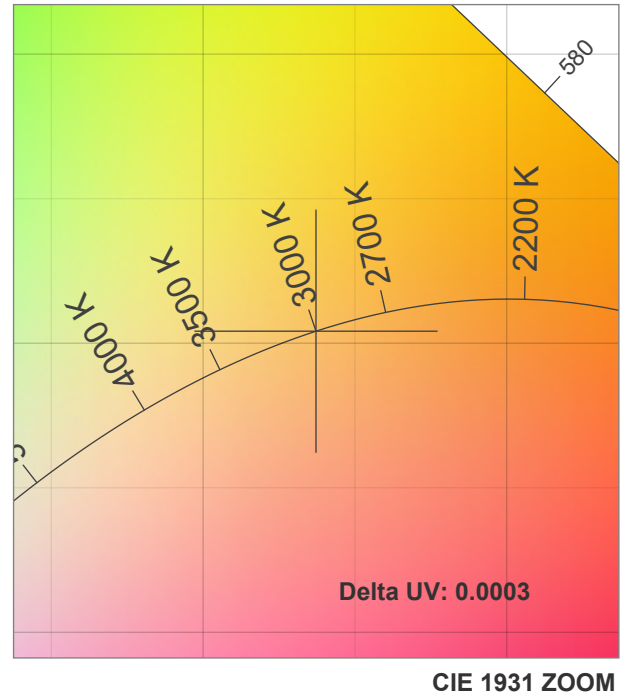
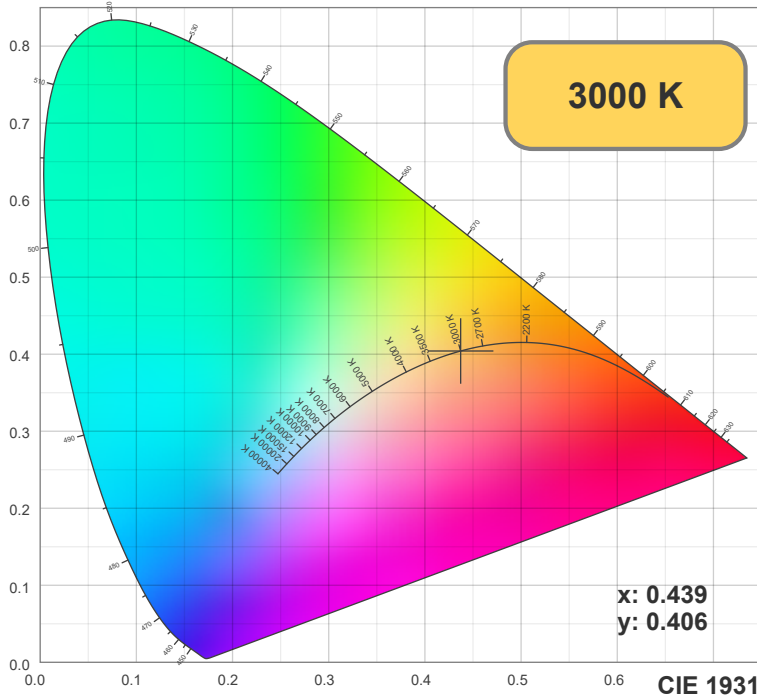
## Features

- 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.



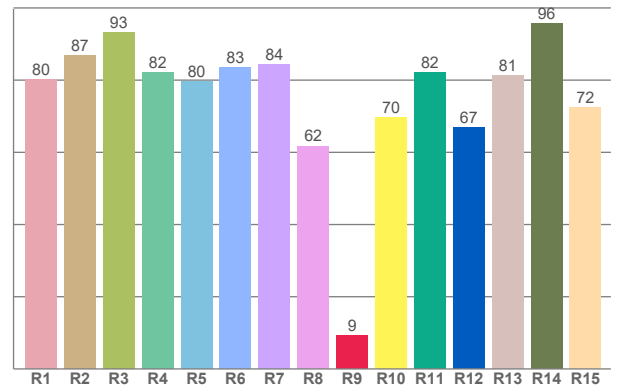
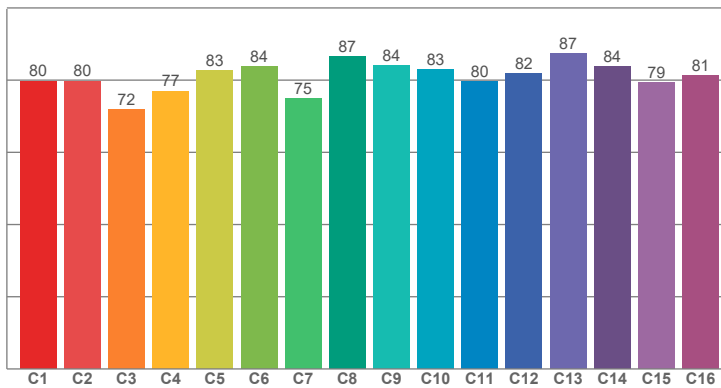
## Disclaimer

The data and information contained in this specification sheet are subject to change without notice; the ratings supplied are provided based on the product manufacturer. The information contained in this specification sheet should not be considered a warranty, expressed or implied, including, but not limited to, a warranty of merchantability or fitness for a particular purpose. In no event shall LED Lights and Parts be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory.



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

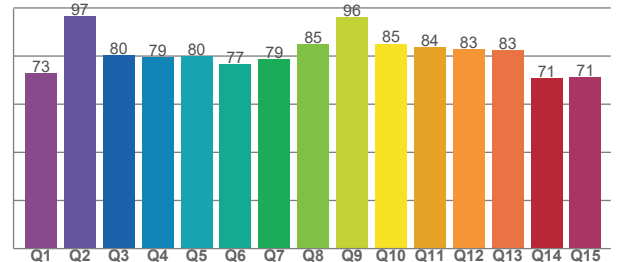
TM30 C values, 16 binned values out of total of 99 C values

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

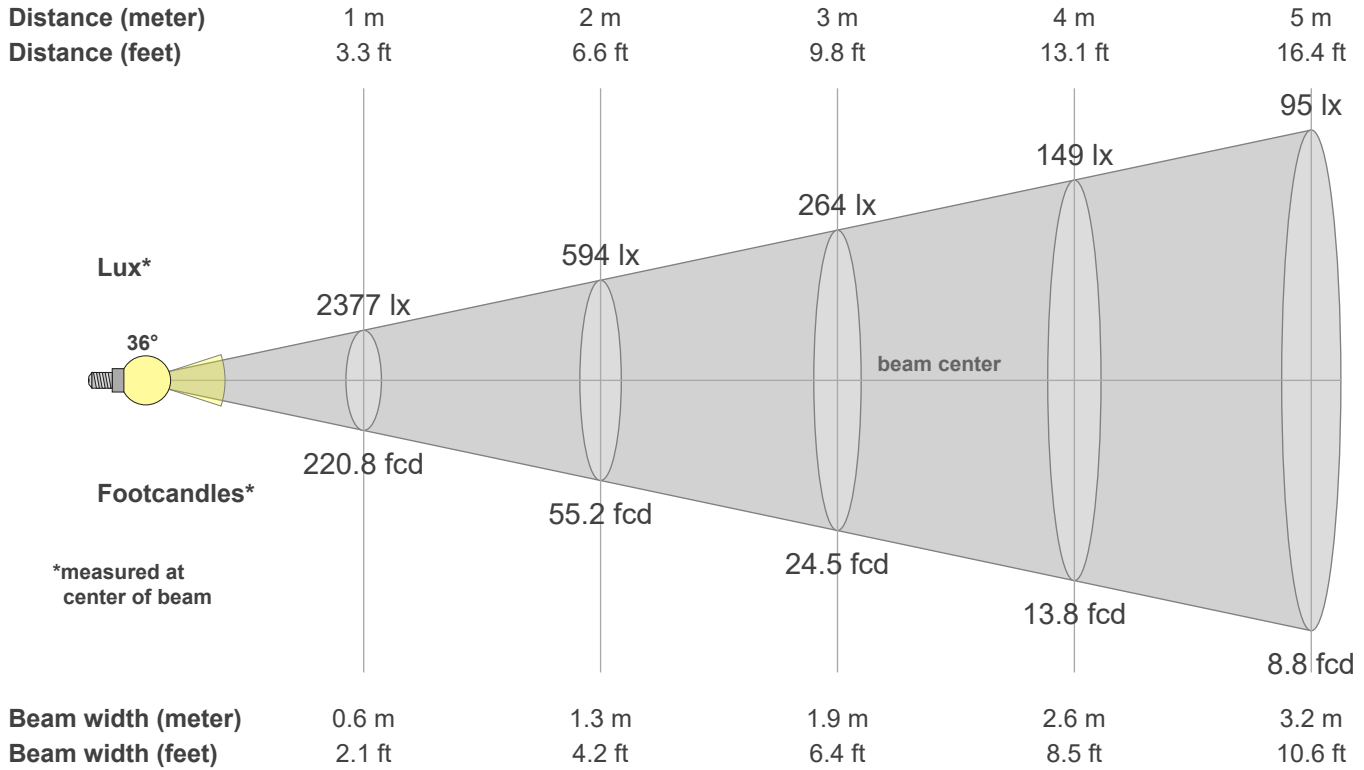
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
72.84	96.59	80.34	79.44	79.86	76.78	78.85	84.95	96.01	85.16	83.82	82.71	82.61	70.66	71.31

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%