



## 20877-SG-WW

### SQUARE ULTRATHIN CABINET PUCK LIGHT SURFACE MOUNTED 3000K (WARM WHITE)

#### Specifications



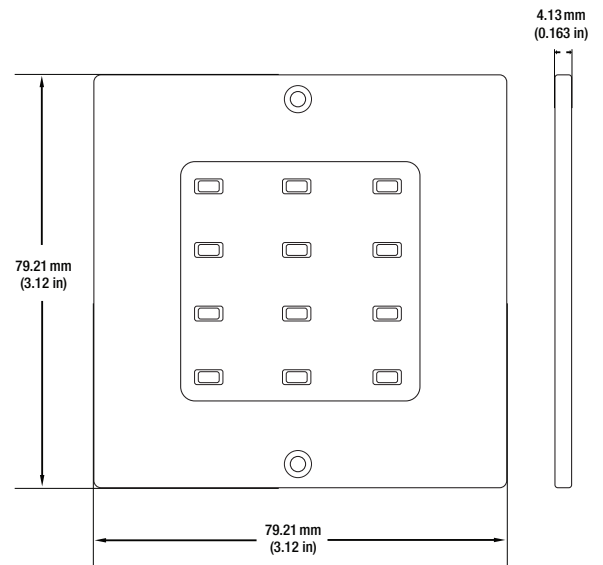
Model No.:	20877-SG-WW
Input Voltage:	12V DC
Wattage:	5W
Color temperature:	3000K (Warm White)
Fixture Color Finish:	Brushed Silver Grey
Beam Angle:	100°
Material:	Aluminum
Installation Type:	Surface Mount
Rendering Index:	CRI>80
Dimmable:	Yes
IP Rating:	IP20 (Dry and damp locations)
Dimensions:	79.21 mm (3.12 in) x Depth 4.13 mm (0.163 in)
Certification:	cUL



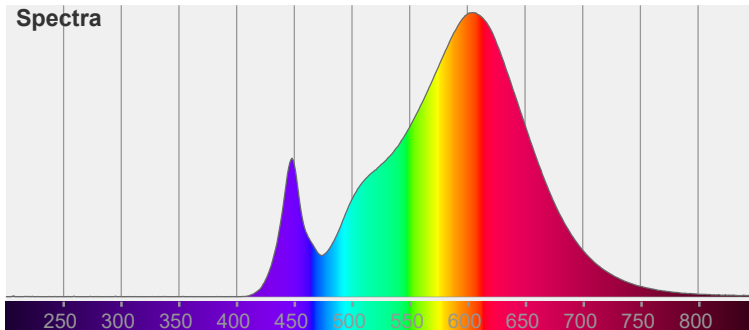
**SKU: 666561410858**

#### Features

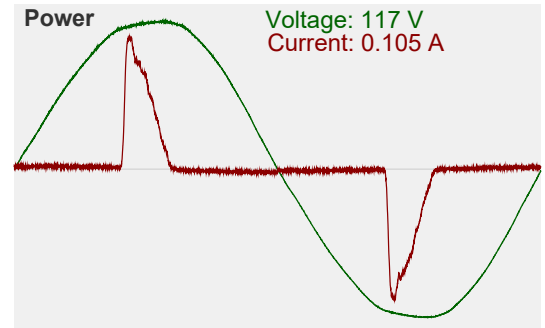
- Aluminum housing, well heat dissipation, Long life-span, and low light decay.
- Environmentally friendly, RoHS compliant.
- Widely applicable in wardrobes, cabinets, and shelves of a modern kitchen.
- Surface mount square ultrathin puck light, also available in Round shape.
- A good replacement for a halogen light fixture can hide a hole with a cut size smaller than the distance between two screw points is 2.64 inches.
- Rated CRI>80 and meets the Canadian and United States standards with UL STD. C22.2
- Applicable for Dry and Damp locations.
- Depending upon the wattage of the transformer, any number of lights can go on 1 switch.
- We offer a step-down transformer to line voltage in both hardwire and plugin.
- Can be directly screwed onto the surface. With a depth, of only 0.16 inches looks more like a flush mount.
- The dimmer controller must have the same input rating as the dimmable power supply or driver. Other low voltage dimmers are also compatible.
- Comes with 3 feet of wire AWG22.



#### Spectra

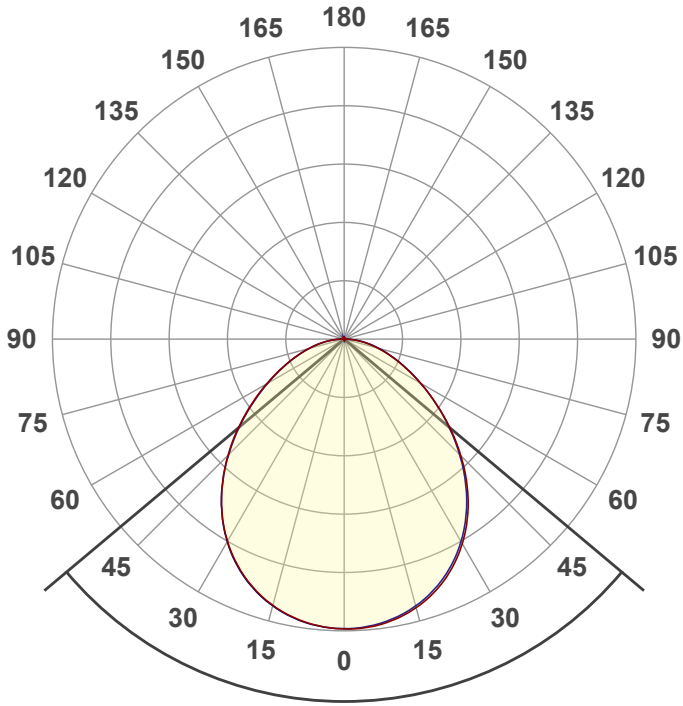


#### Power



#### 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.



Beam angle

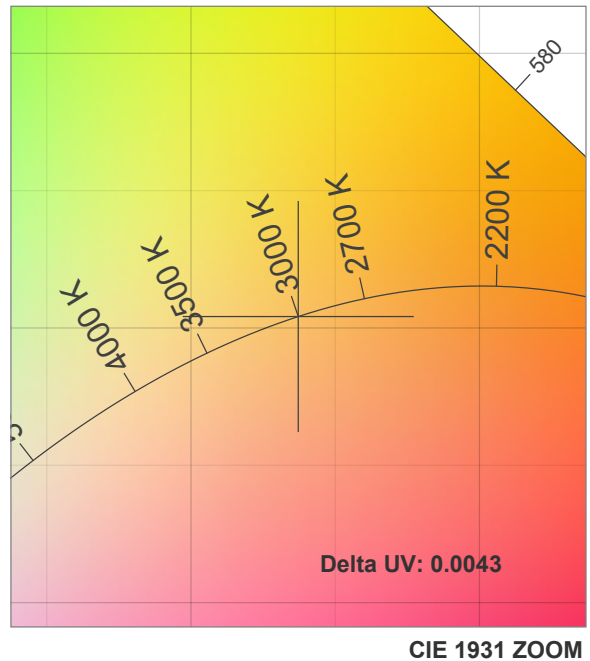
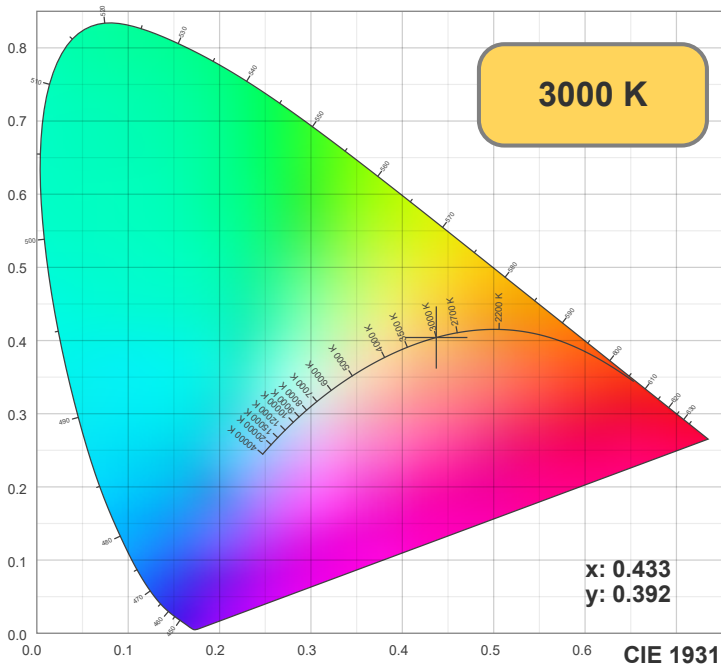
**100°**



Color

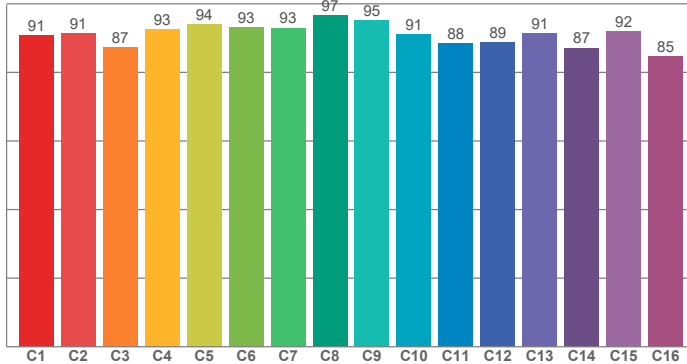


CIE1931  
x: 0.443  
y: 0.407

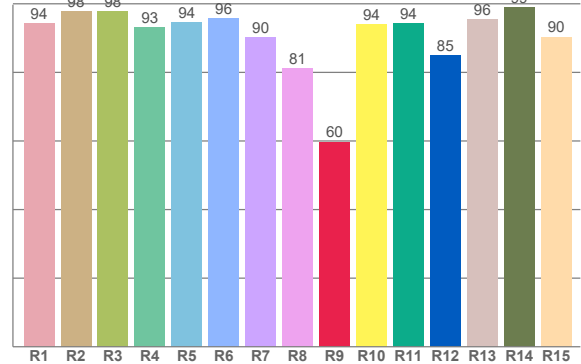




**TM30: 91.1**



**CRI: 93.0 (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
94.24	91.27	87.70	93.12	94.48	95.75	90.12	81.11	59.77	94.15	94.24	85.00	95.57	99.09	90.39

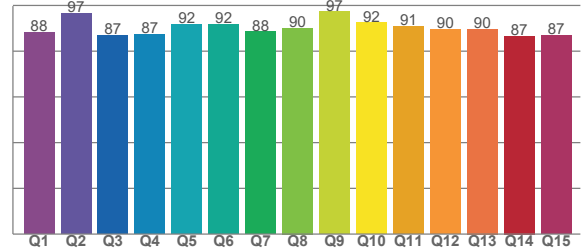
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.92	91.27	87.44	92.58	94.15	93.28	93.00	96.54	95.17	91.11	88.36	88.85	91.28	87.18	91.98	84.73

CQS Q values

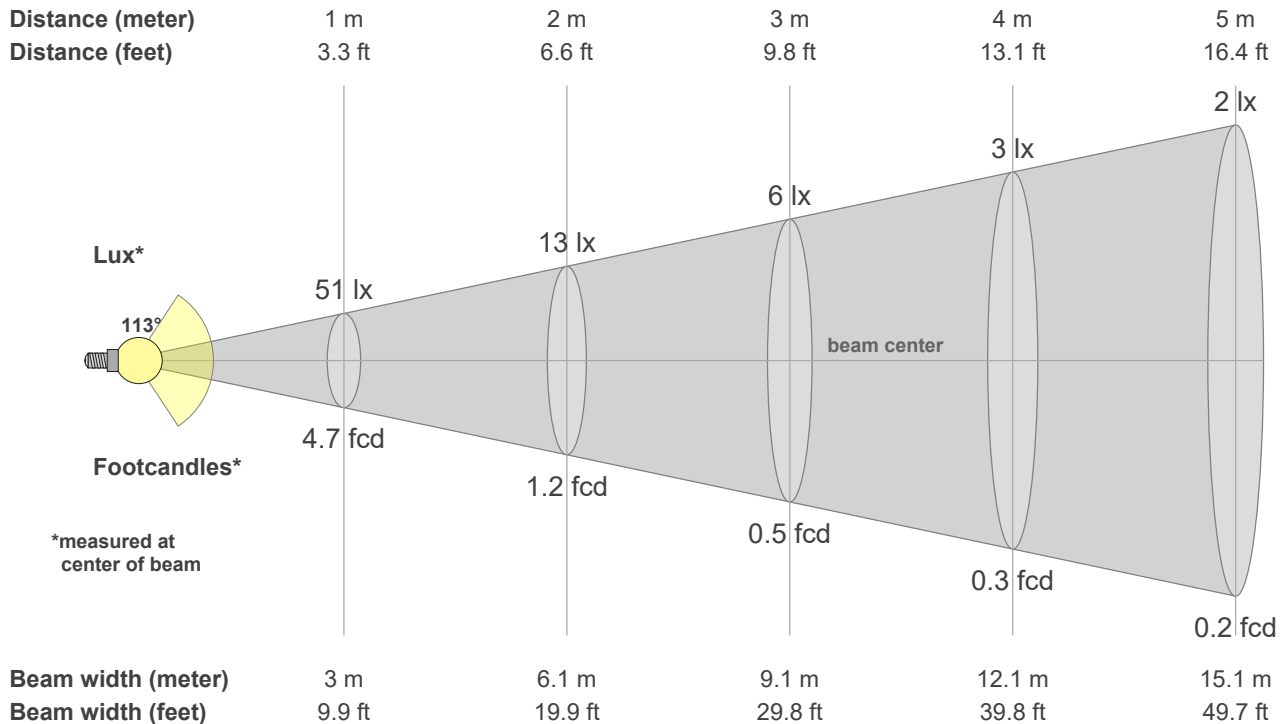
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.14	96.50	86.86	87.44	91.81	91.80	88.45	90.14	97.23	92.44	90.85	89.54	89.68	86.66	86.86

**CQS: 89.7**



### Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3000 K	93.0	59.8	91.1	101.1	89.7	0.4	0.4	0.3	0.3	-0.0043





### Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
51.1	51.0	50.3	49.2	47.6	45.5	43.2	40.4	37.3	34.0	30.5	26.8	22.9	18.9	14.9	10.9	7.1	3.8	1.2	0.1
100%	100%	98%	96%	93%	89%	84%	79%	73%	67%	60%	52%	45%	37%	29%	21%	14%	7%	2%	0%

### Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
51.1	51.0	50.3	49.2	47.6	45.5	43.2	40.4	37.3	34.0	30.5	26.8	22.9	18.9	14.9	10.9	7.1	3.8	1.2	0.1
100%	100%	98%	96%	93%	89%	84%	79%	73%	67%	60%	52%	45%	37%	29%	21%	14%	7%	2%	0%

### Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
51.1	51.0	50.3	49.2	47.6	45.5	43.2	40.4	37.3	34.0	30.5	26.8	22.9	18.9	14.9	10.9	7.1	3.8	1.2	0.1
100%	100%	98%	96%	93%	89%	84%	79%	73%	67%	60%	52%	45%	37%	29%	21%	14%	7%	2%	0%

### Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
51.1	51.0	50.3	49.2	47.6	45.5	43.2	40.4	37.3	34.0	30.5	26.8	22.9	18.9	14.9	10.9	7.1	3.8	1.2	0.1
100%	100%	98%	96%	93%	89%	84%	79%	73%	67%	60%	52%	45%	37%	29%	21%	14%	7%	2%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113.1°	165.8°	179.5°	76.7%	52.1%