



# 5W LED SQUARE ULTRATHIN CABINET PUCK LIGHT SURFACE MOUNTED 3000K (WARM WHITE)

## Specifications



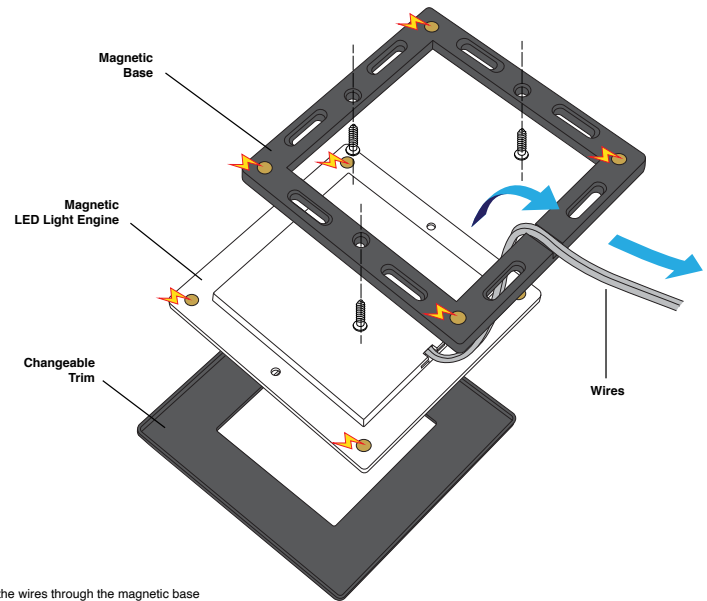
<b>Model No.:</b>	AD107T-2.2W-12V
<b>Trim Model:</b>	PKL-TRB-BN-SQ
<b>Input Voltage:</b>	12V DC
<b>Input Current:</b>	180mA
<b>Power:</b>	2.2W
<b>Color Temperature:</b>	3000K (Warm White)
<b>Rendering Index:</b>	CRI>90
<b>Dimmable:</b>	Yes
<b>Brightness:</b>	170 lumens
<b>Beam Angle:</b>	115°
<b>Engine Material:</b>	PVC
<b>Trim Material:</b>	Die-cast Aluminum
<b>Trim Color Finish:</b>	Brushed Nickel
<b>IP Rating:</b>	IP20 (Dry and damp locations)
<b>Wire length:</b>	39 inches (1 meter)
<b>Installation:</b>	Surface mount
<b>IP Rating:</b>	Square engine, magnetic-base with screws, interchangeable trim
<b>Dimensions:</b>	75 x 75 x 6.50 mm (2.95 x 2.95 x 0.25 in)
<b>Certification:</b>	ETL



**SKU: 666561417970**

## Features

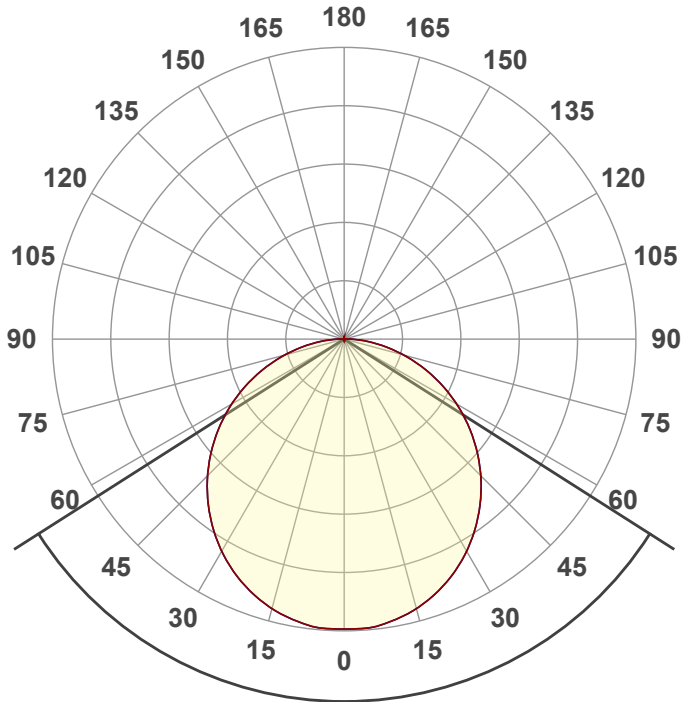
- Low power consumption, and high energy efficiency.
- Widely applied in wardrobe, cabinet, and shelves of a modern kitchen.
- Rated CRI>90 and meets the Canadian and United States standards with UL STD 153, STD. C22.2
- Protection from a large part of the body, such as a hand having an IP20 rating.
- Applicable for damp and dry locations.
- The dimmer controller must have the same input rating as the dimmable power supply or driver.
- It is also compatible with other low-voltage dimmers.
- Available in White, Black, and Brushed Nickel finished trims.



- 1** Pass the wires through the magnetic base before screwing it on any surface.
- 2** Pull the wires until the magnets hold the LED light engine and the base together.
- 3** Cover the LED light engine with changeable trim to finish the process.

## 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

**115°**

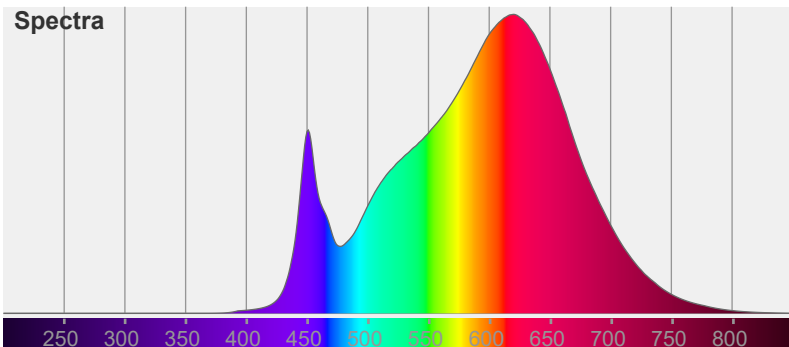
Color



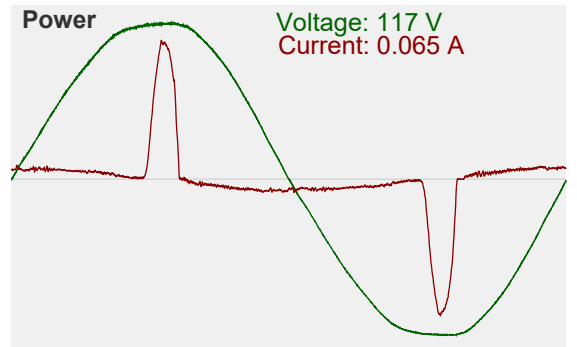
CIE1931  
x: 0.433  
y: 0.392

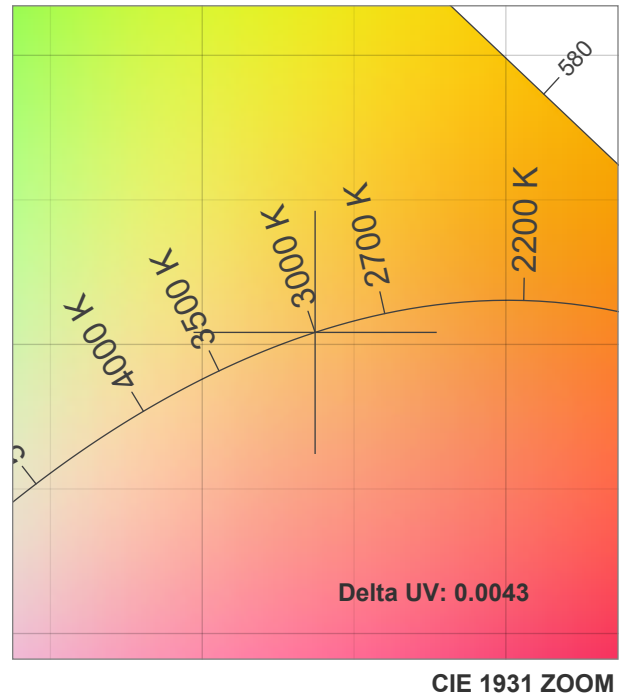
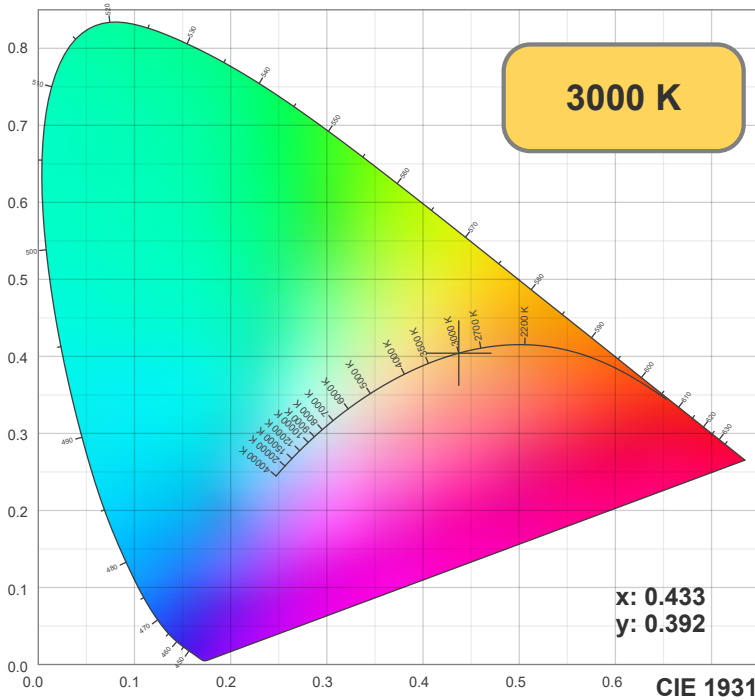


Spectra

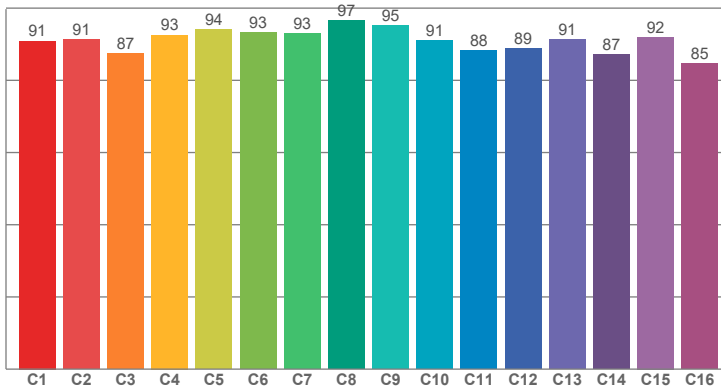


Power

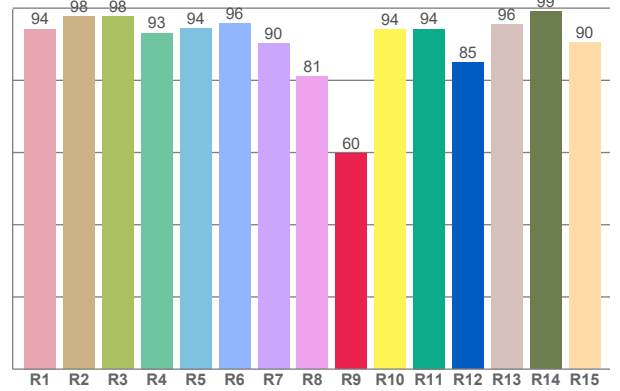




### TM30: 91.1



### 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	97.72	97.70	93.12	94.48	95.75	90.12	81.11	59.77	94.15	94.24	85.00	95.57	99.09	90.39

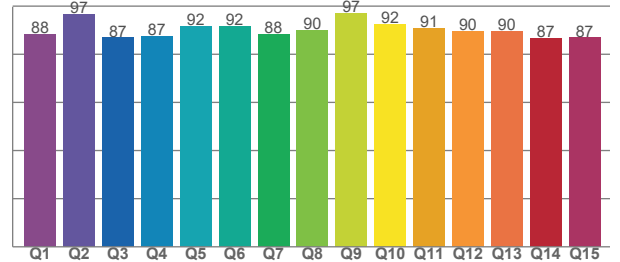
#### TM30 C values, 16 binned values out of total of 99 C values

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

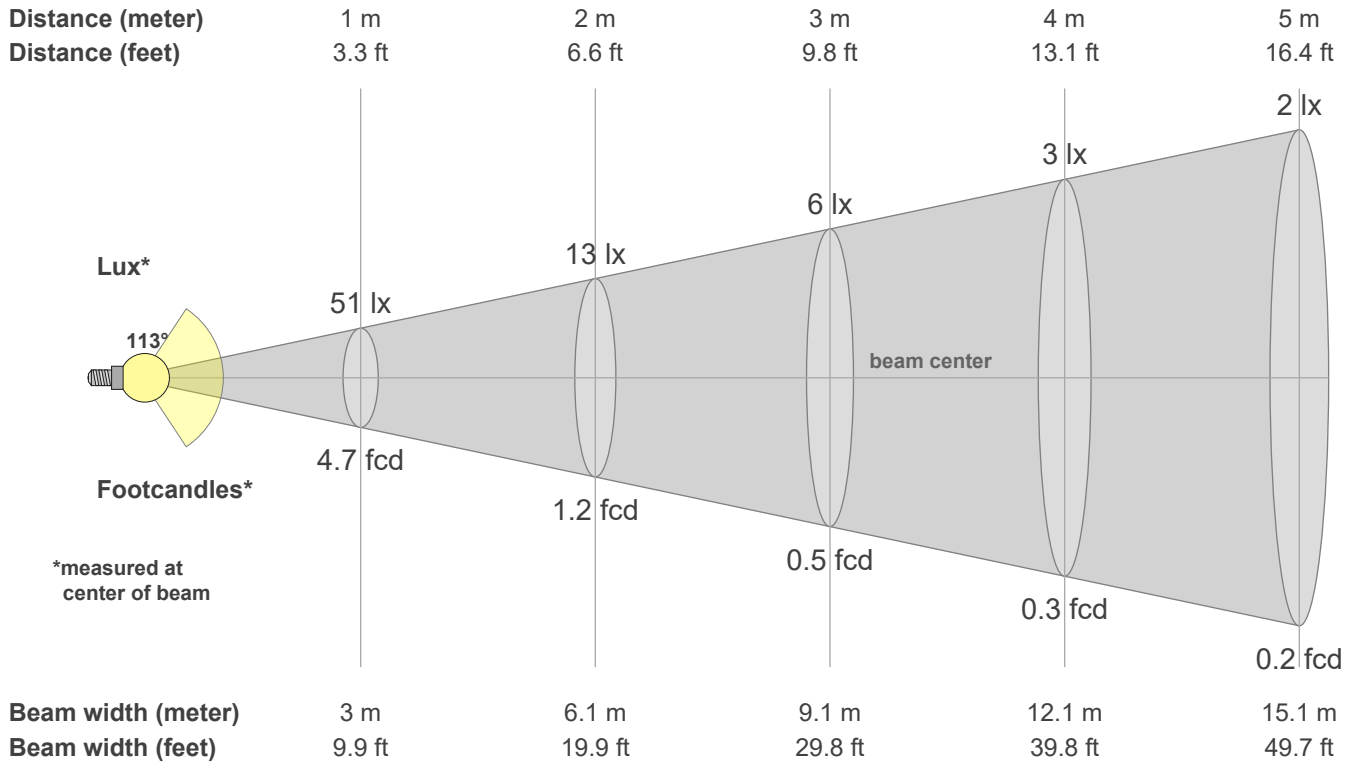
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.14	96.50	86.86	87.44	91.81	91.80	88.45	90.14	97.23	92.44	90.85	89.54	89.68	86.66	86.86

### 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%