



12" SQUARE RECESSED LED DOWNLIGHT 120V, 24W, 3CCT (3K, 4K, 5K)

Specifications

Model No.:	HM05-PS12-24W120-3CCT-WRA
Input Voltage:	120V AC
Wattage:	24W
Color Temperature:	3CCT Selectable: 3000K (Warm White), 4000K (Natural White), 5000K (Daylight)
Available Trim Color:	Stain Nickel, Matt Black (Sold Separately)
Beam Angle:	120°
Material:	Aluminum
Dimmable:	Yes
IP rating:	IP20 (Indoor rated)
Dimensions:	288mm x 288mm x 15mm (11.3" x 11.3" x 0.6")
Wire Size:	220mm (8.6") 18AWG
Certification:	ETL

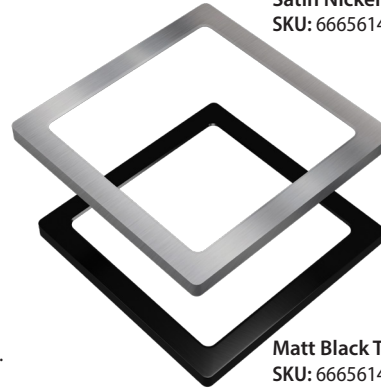


White **SKU: 666561424749**

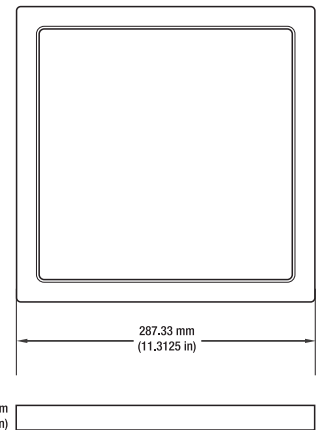
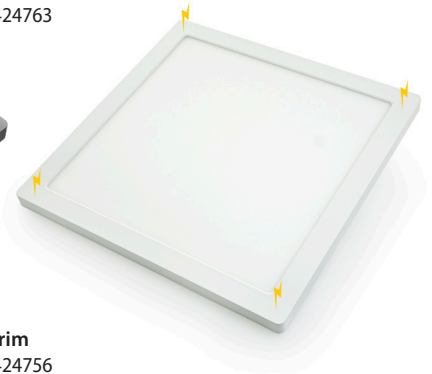
Features

- The 12 inch Square Dimmable Recessed LED Downlight / Ceiling Light is suitable for both residential and commercial spaces.
- It is powered by 120V AC with a wattage of 24.
- This LED Downlight is available in three color temperatures - 3000K (Warm White), 4000K (Natural White), and 5000K (Daylight) with a brightness of 1680 Lumens.
- This ceiling light fixture is available in White, Black, and Satin Nickel colors (Black and Satin Nickel cone sold separately).
- The trims easily snap to the installed fixture without the need for any tool.
- It has a high-quality reflector that helps in avoiding glare and provides even light distribution without flicker.
- It is dimmable with Leviton and Lutron dimmers and has a CRI of over 80.
- This fixture is suitable for both surface mounting and embedding in a recessed can or J-box using an E26 Socket Adapter and spring tabs.
- This Downlight meets the Canadian and United States standards and is certified by ETL.

Satin Nickel Trim
SKU: 666561424763



Matt Black Trim
SKU: 666561424756



Disclaimer

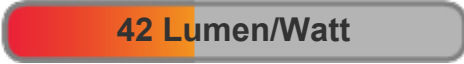
The data and information contained in this specification sheet are subject to change without notice; the ratings supplied are provided based on the product manufacturer. The information contained in this specification sheet should not be considered a warranty, expressed or implied, including, but not 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.



LED Lights and Parts

WORLD OF LED LIGHTS

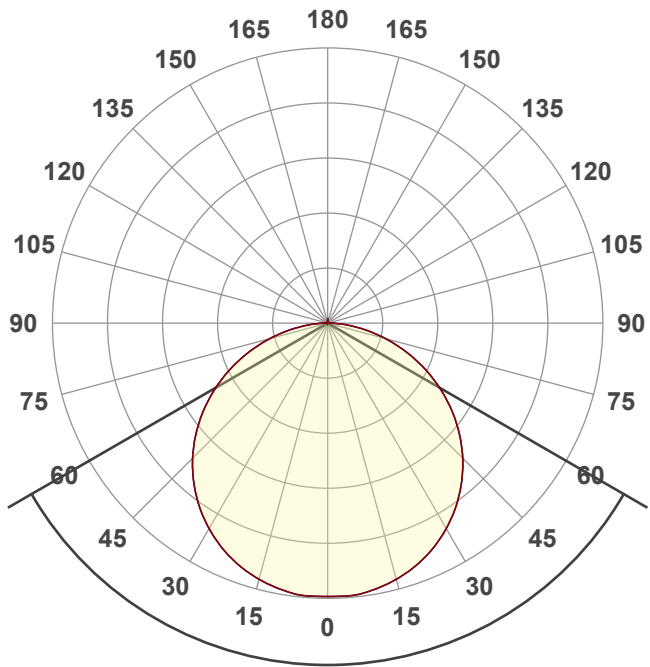
Light efficiency:



Light quality:



Color temperature:



Beam angle

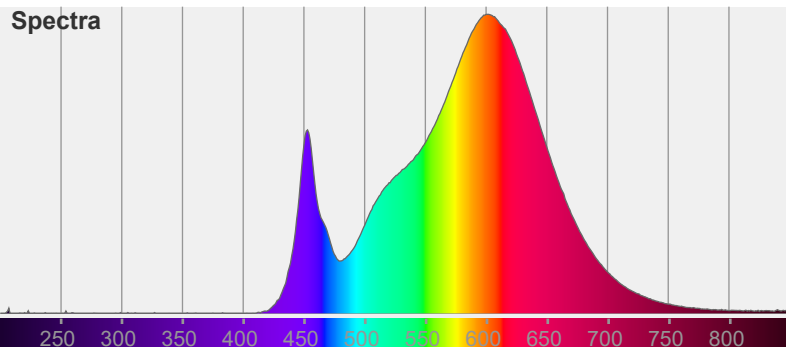
120°

Color



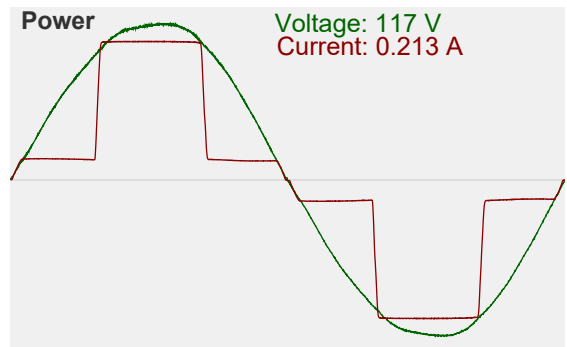
CIE1931
x: 0.437
y: 0.398

Spectra

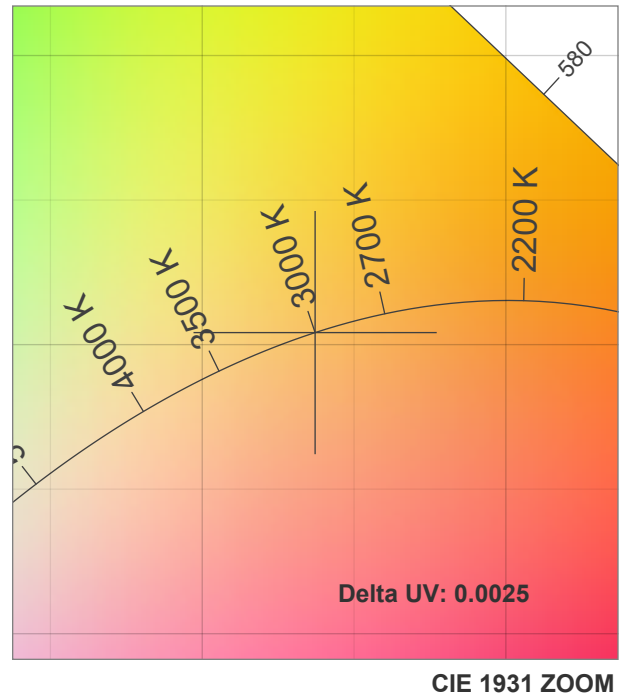
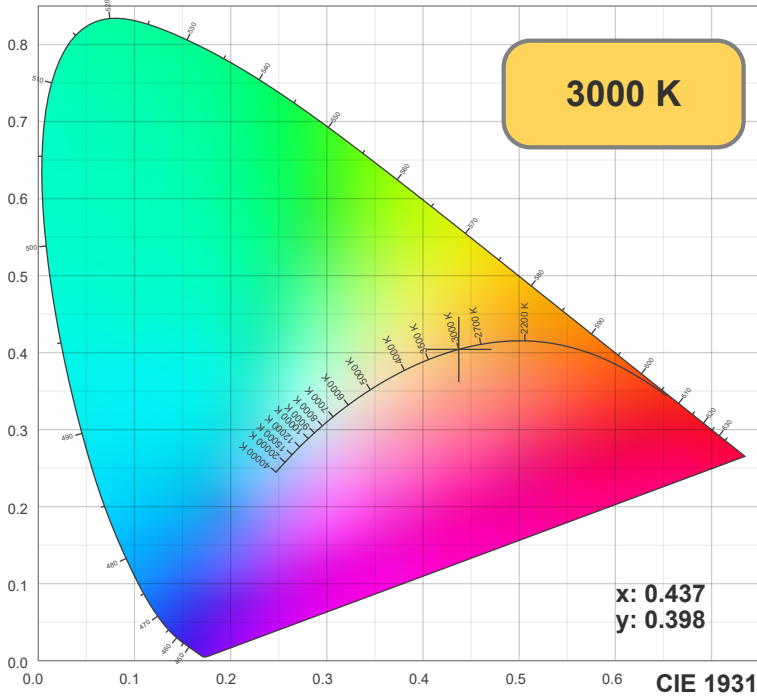


Power

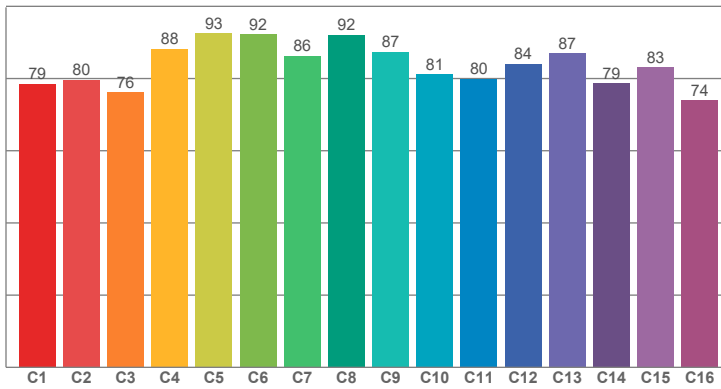
Voltage: 117 V
Current: 0.213 A



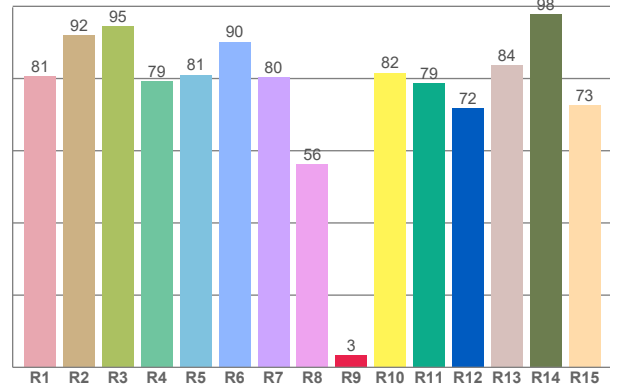
Light measurement was created using the Viso Systems - Light Inspector. www.visosystems.com



TM30: 83.5



CRI: 81.7 (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
80.66	91.87	94.53	79.14	80.97	90.13	80.33	56.19	3.28	81.62	78.67	71.72	83.58	97.83	72.51

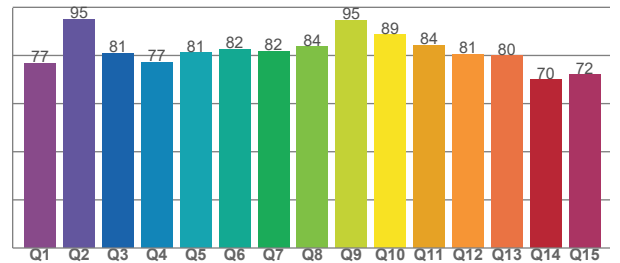
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.57	79.60	76.09	88.23	92.50	92.16	86.29	92.07	87.41	81.15	79.91	84.02	86.91	78.66	83.12	73.99

CQS Q values

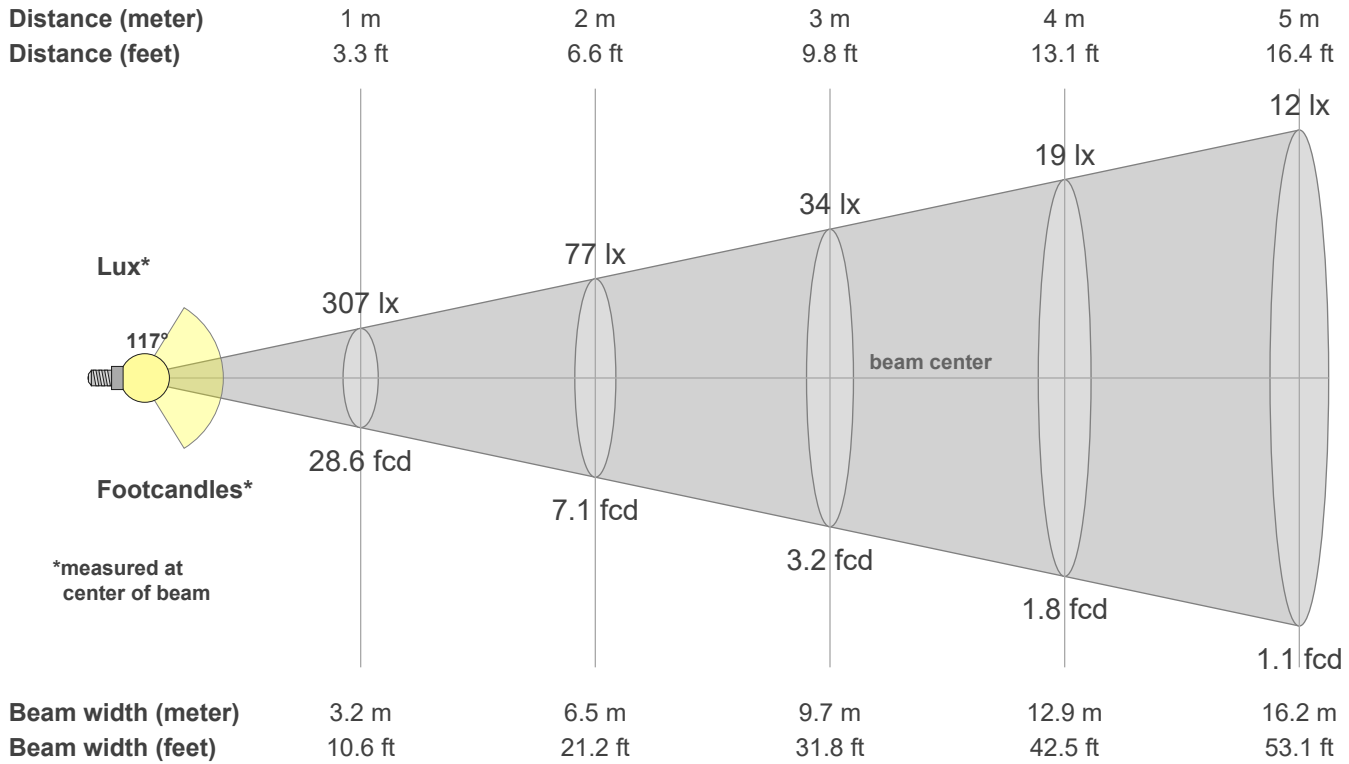
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.65	94.85	80.77	77.14	81.11	82.40	81.57	83.57	94.72	88.54	84.09	80.57	79.82	69.87	71.95

CQS: 80.5



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3000 K	81.7	3.3	83.5	95.9	80.5	0.4	0.4	0.3	0.3	-0.0025



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°
307	307	304	298	290	279	266	251	234	215	193	170	145	120	93	67	43	21	5	1
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	55%	47%	39%	30%	22%	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°
307	307	304	298	290	279	266	251	234	215	193	170	145	120	93	67	43	21	5	1
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	55%	47%	39%	30%	22%	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°
307	307	304	298	290	279	266	251	234	215	193	170	145	120	93	67	43	21	5	1
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	55%	47%	39%	30%	22%	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°
307	307	304	298	290	279	266	251	234	215	193	170	145	120	93	67	43	21	5	1
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	55%	47%	39%	30%	22%	14%	7%	2%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116.6°	165.2°	177.6°	76.5%	51.5%