



7" SQUARE RECESSED LED DOWNLIGHT

120V, 12W, 3CCT (3K, 4K, 5K)

Specifications

Model No.:	HM05-PS7-12W120-3CCT-WRA
Input Voltage:	120V AC
Wattage:	12W
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:	162mm x 162mm x 15mm (7" x 7" x 0.6")
Wire Size:	220mm (8.6") 18AWG
Certification:	ETL



White **SKU: 666561424688**

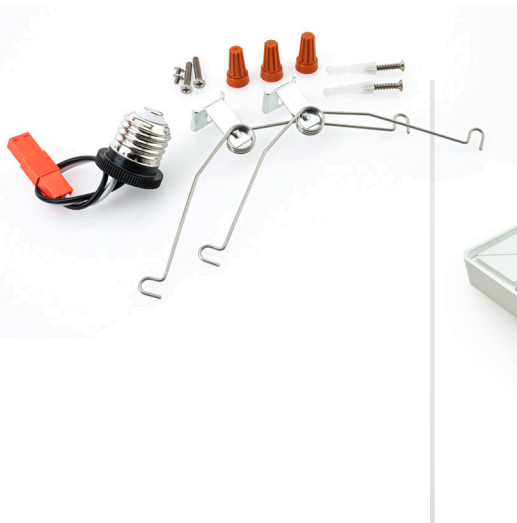
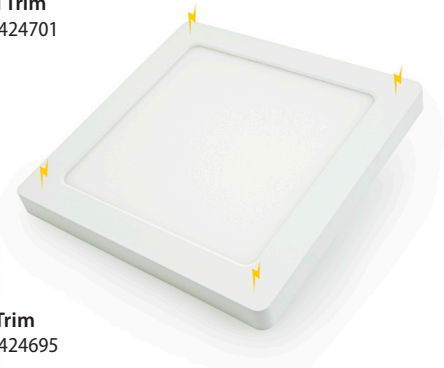
Features

- It operates on 120V AC and consumes 12 watts of power, with three selectable color temperatures - 3000K, 4000K, and 5000K.
- This downlight produces a brightness of 900 lumens with a color rendering index (CRI) greater than 80, ensuring accurate representation of colors.
- It has an IP20 rating, making it suitable for dry locations, and is ETL certified for safety and quality assurance.
- The fixture is versatile and can be surface-mounted on a regular ceiling using screw anchors or embedded in a recessed can/J-box through an E26 Socket Adapter and spring tabs.
- The downlight dissipates very little heat, making it safe to touch, and has a lifespan of 35,000 hours.
- Available in satin nickel and matte black color trims that can be easily snapped to the fixture without requiring any tool.

Satin Nickel Trim
SKU: 666561424701

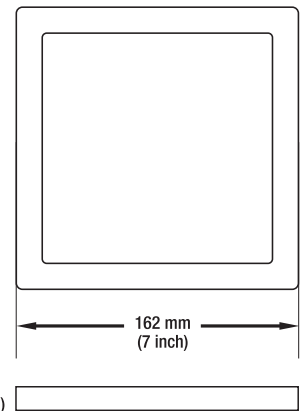


Matt Black Trim
SKU: 666561424695



3CCT SWITCH

WW NW CW



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:

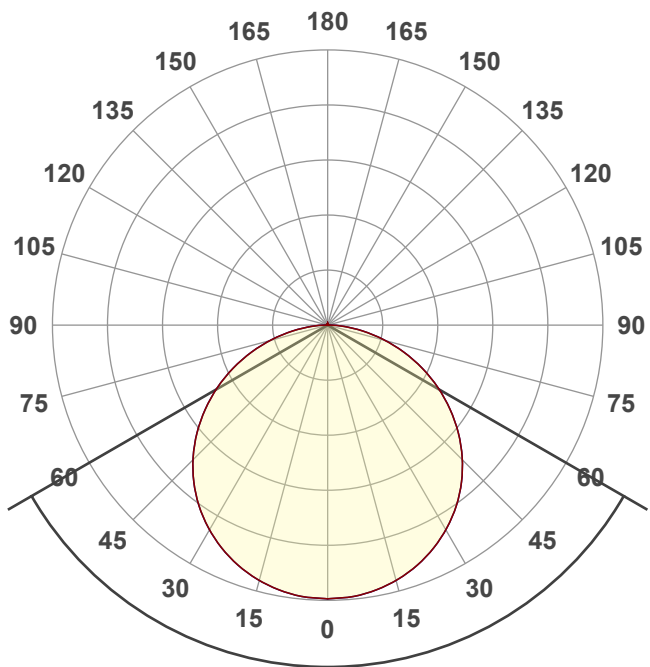
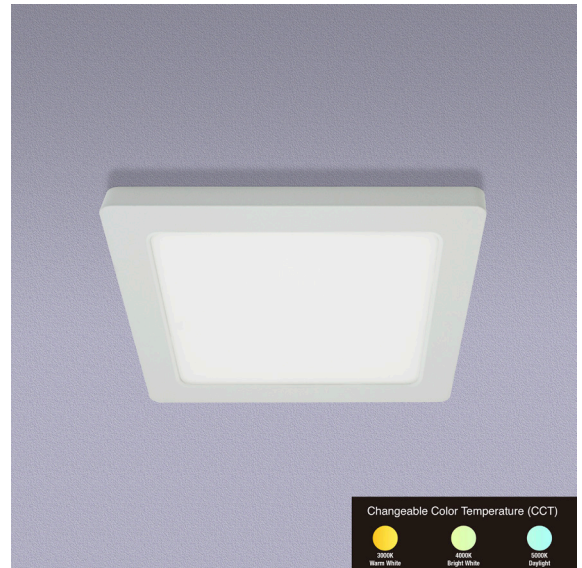
75 Lumen/Watt

Light quality:

CRI: 81.4

Color temperature:

3000 K



Beam angle

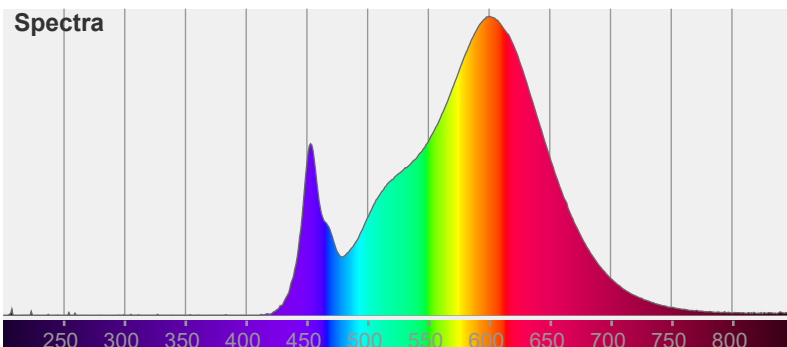
120°

Color



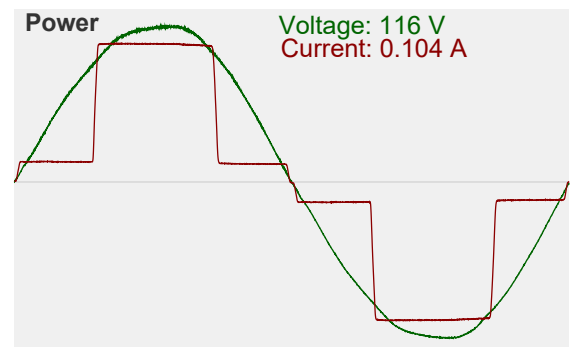
CIE1931
x: 0.437
y: 0.405

Spectra

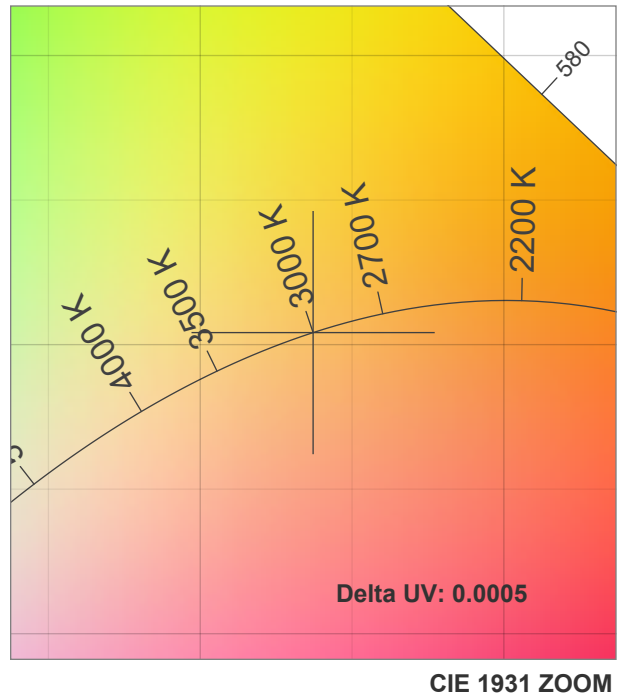
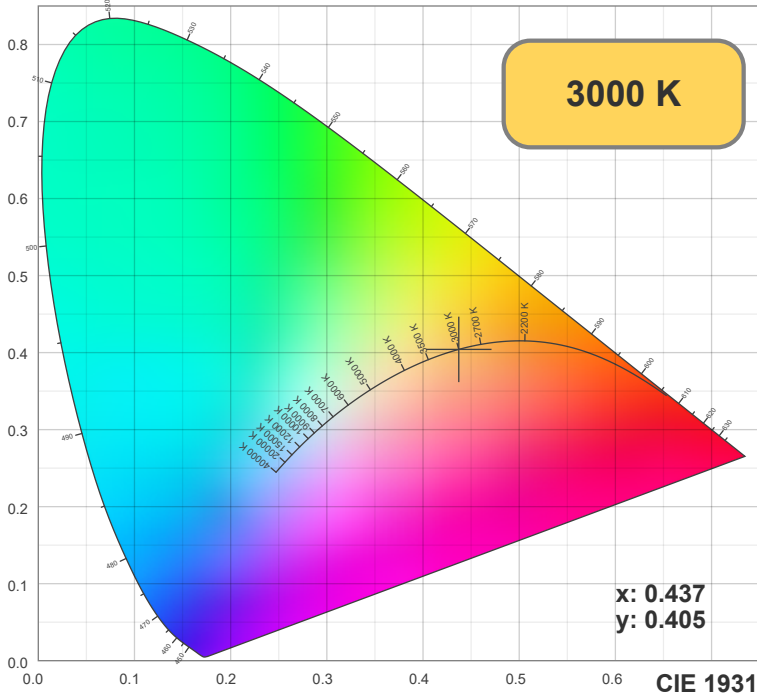


Power

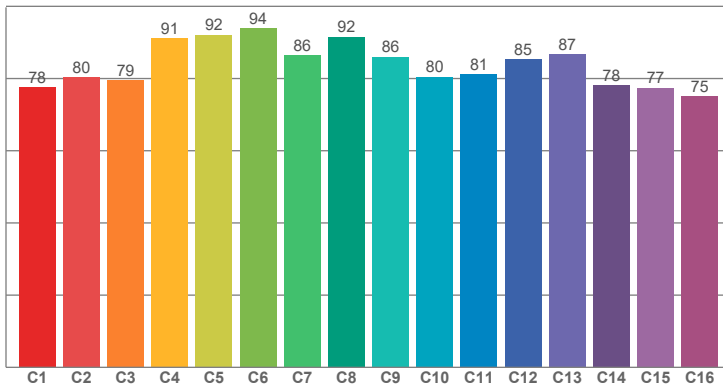
Voltage: 116 V
Current: 0.104 A



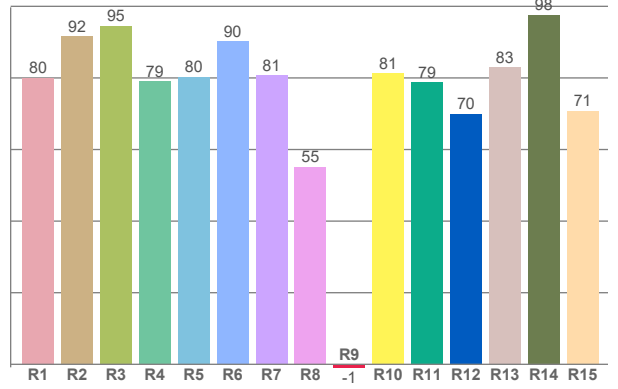
Light measurement was created using the Viso Systems - Light Inspector. www.visosystems.com



TM30: 84.0



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
79.96	91.55	94.52	79.02	80.34	90.19	80.70	55.19	-0.85	81.26	78.79	69.92	82.94	97.59	70.74

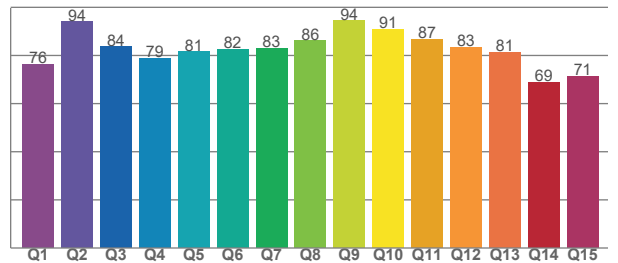
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77.62	80.29	79.41	91.10	92.08	93.98	86.39	91.54	85.98	80.46	81.19	85.34	86.70	78.03	77.41	75.01

CQS Q values

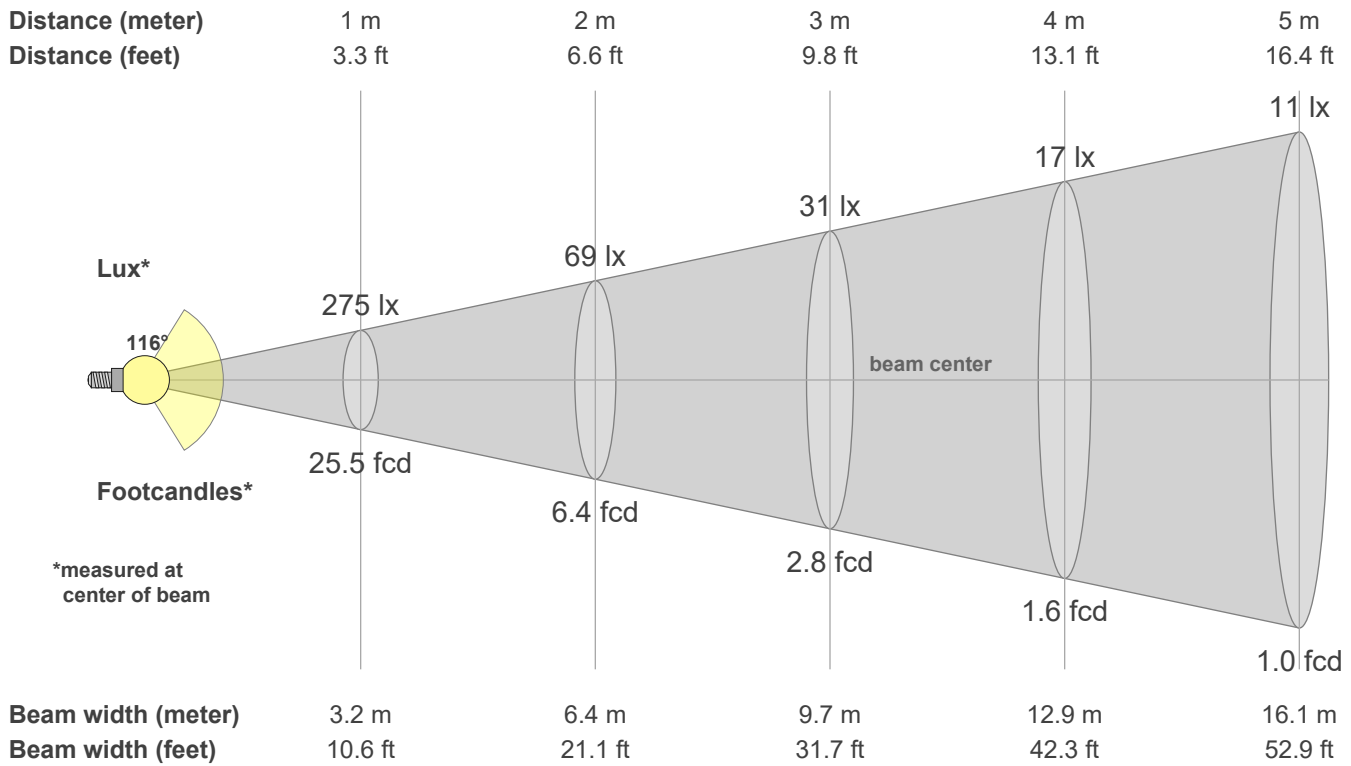
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.19	93.99	83.62	78.92	81.45	82.49	82.85	86.08	94.39	90.89	86.78	83.22	81.21	68.77	71.43

CQS: 81.3



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3000 K	81.4	-0.8	84.0	93.8	81.3	0.4	0.4	0.3	0.3	0.0006



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°
275	274	271	266	258	249	237	224	209	191	172	151	129	107	83	60	38	18	5	1
100%	100%	99%	97%	94%	91%	86%	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°
275	274	271	266	258	249	237	224	209	191	172	151	129	107	83	60	38	18	5	1
100%	100%	99%	97%	94%	91%	86%	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°
275	274	271	266	258	249	237	224	209	191	172	151	129	107	83	60	38	18	5	1
100%	100%	99%	97%	94%	91%	86%	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°
275	274	271	266	258	249	237	224	209	191	172	151	129	107	83	60	38	18	5	1
100%	100%	99%	97%	94%	91%	86%	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
116.3°	165.2°	178.4°	76.6%	51.6%