



6" RETROFIT DIMMABLE RECESSED LED DOWNLIGHT 120V, 15W, 2700K (SOFT WHITE)

Specifications



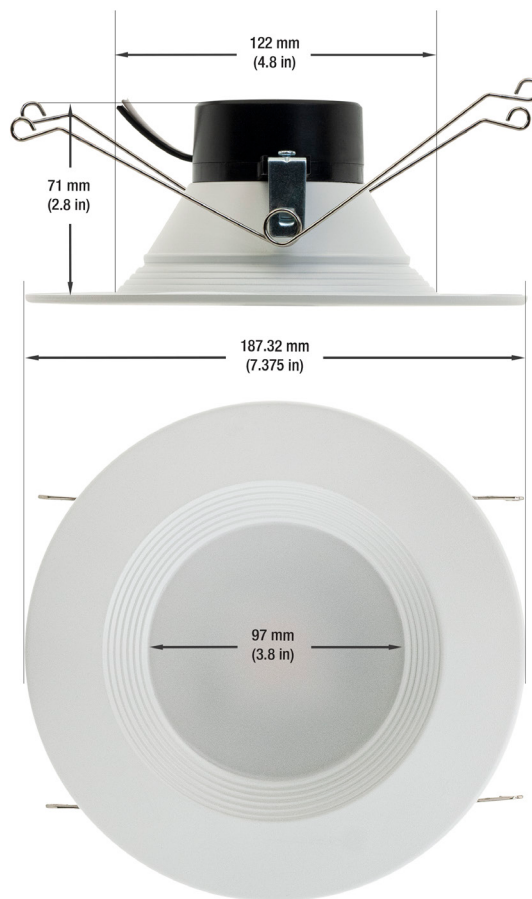
Model No.:	HT-EAD6-0915W-272AP-CC
Input Voltage:	120V AC
Wattage:	15W
Color Temperature:	2700K (Soft White)
Brightness:	1100Lm
Body Color:	White
Beam Angle:	95°
Rendering Index:	CRI>90
Material:	Aluminum
Dimmable:	Yes
IP Rating:	IP20 (Dry locations)
Dimensions:	Ø 187mm (7.3") Depth: 71mm (2.8")
Certification:	UL



SKU: 666561411930

Features

- The 6 inch Retrofit Dimmable Recessed LED Downlight/Ceiling Light is designed to fit 5-inch or 6-inch housing cans, making it a good replacement for halogen lights.
- It has a power consumption of 15W and provides soft white lighting at a color temperature of 2700K with a brightness of 1100 lumens.
- The downlight is dimmable and has a high color rendering index (CRI>90), ensuring accurate color representation.
- This retrofit downlight has a longer lifespan of 50,000 hours and is highly energy-efficient, saving up to 80% of the power compared to incandescent and CFL bulbs.
- It dissipates very little heat, making it safe to touch, and is suitable for dry and damp locations.
- The downlight has an overall diameter of 185mm (7.3") and a depth of 80mm (3") with an E-26 screw-in type connector, making it easy to install and approved by electrical inspectors.



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.



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Light efficiency:

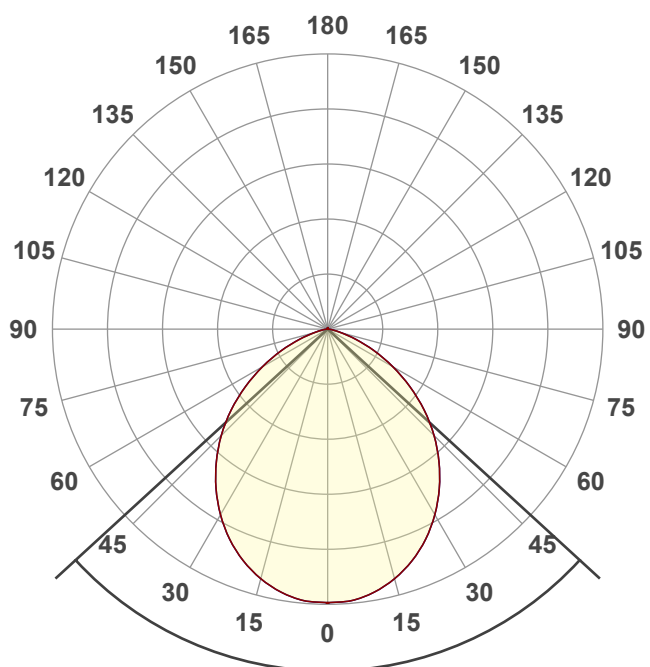
75 Lumen/Watt

Light quality:

CRI: 90.1

Color temperature:

2700 K



Beam angle

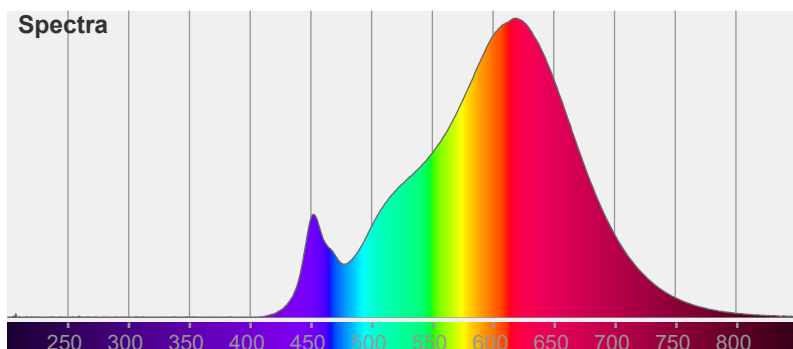
95°

Color



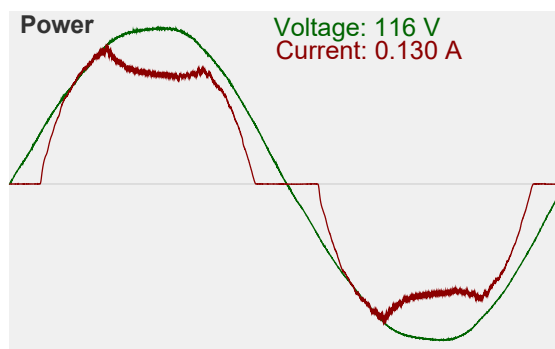
CIE1931
x: 0.462
y: 0.413

Spectra

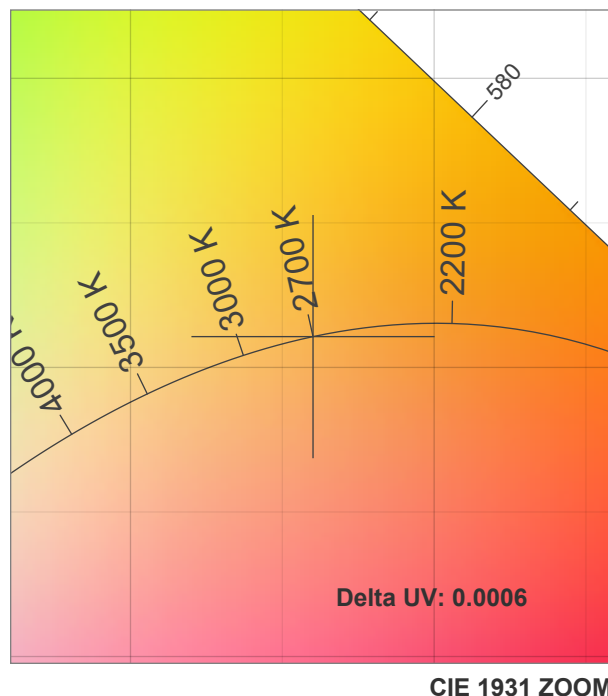
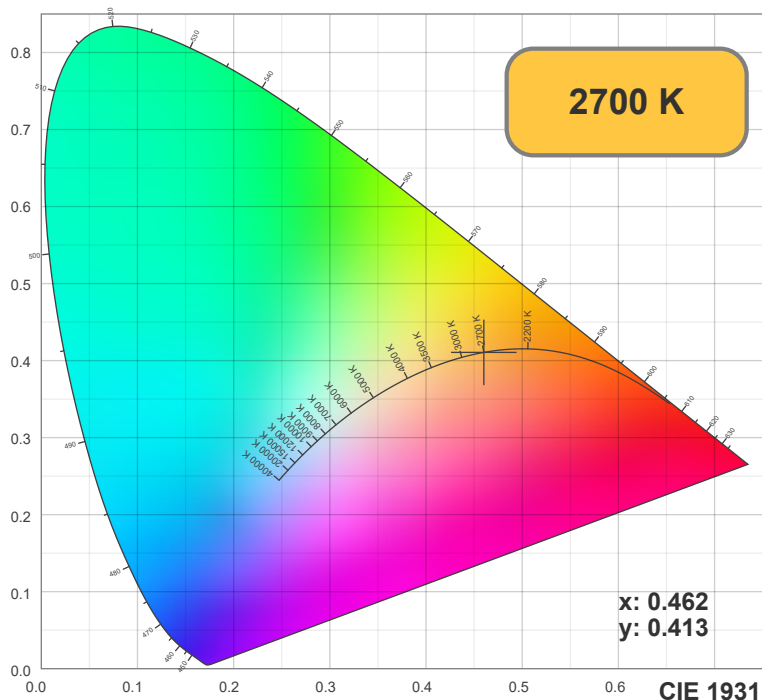


Power

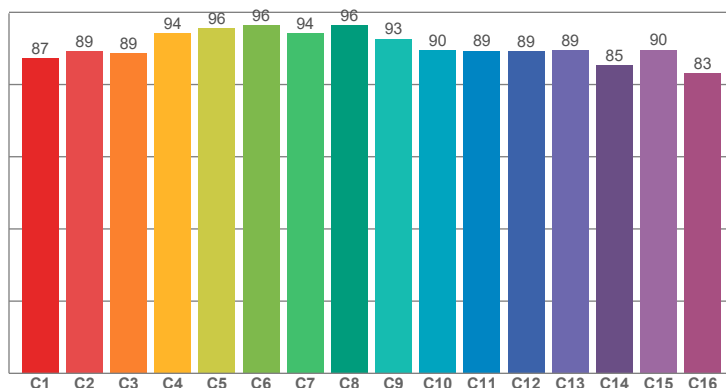
Voltage: 116 V
Current: 0.130 A



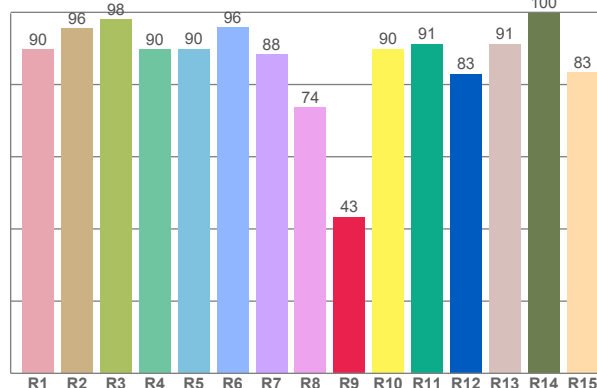
Light measurement was created using the Viso Systems - Light Inspector. www.visosystems.com



TM30: 90.5



CRI: 90.1 (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
89.71	95.62	98.10	89.79	89.88	95.85	88.34	73.71	43.32	89.83	91.24	82.99	91.29	99.83	83.42

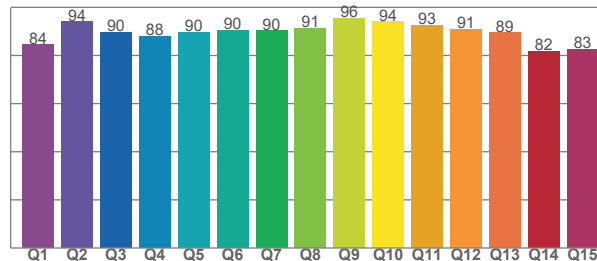
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87.23	89.26	88.67	94.20	95.55	96.39	94.18	96.43	92.60	89.51	89.27	89.22	89.48	85.29	89.60	83.11

CQS Q values

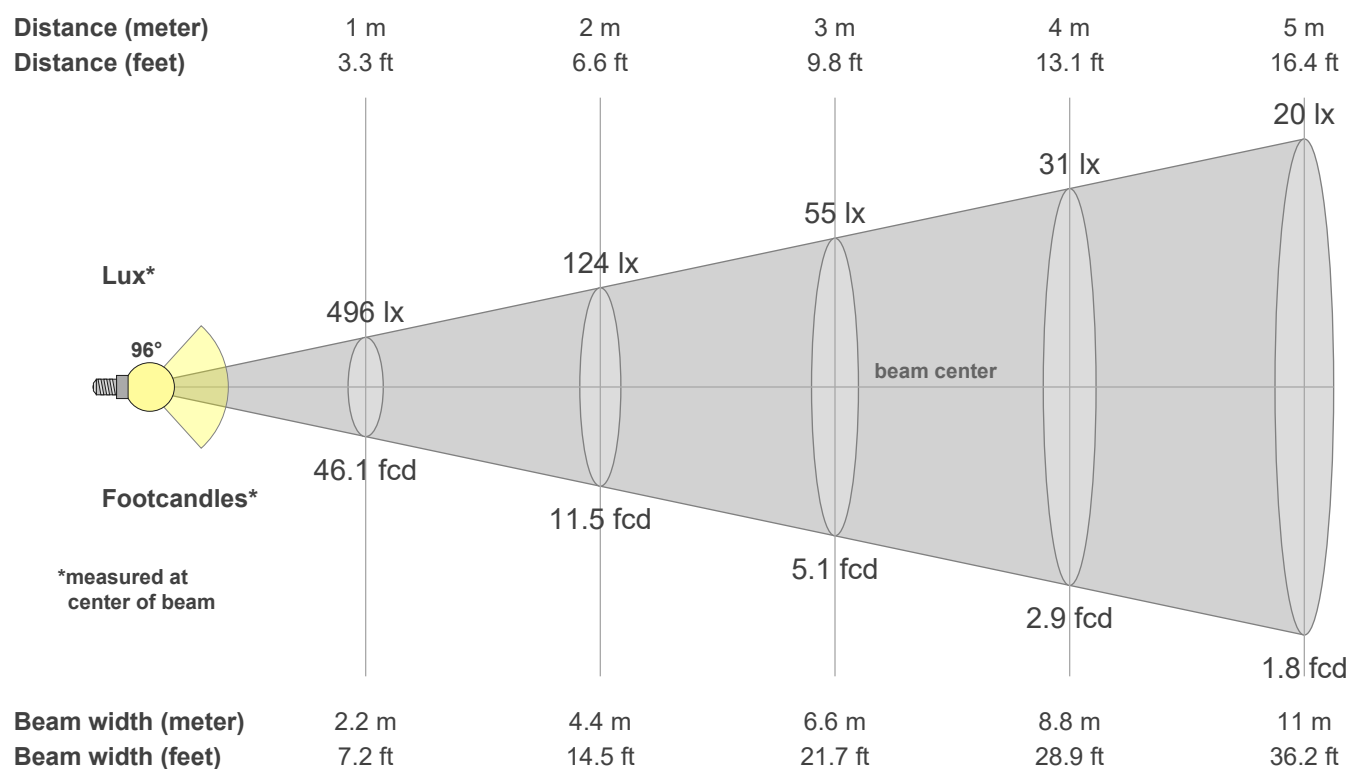
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84.45	93.94	89.58	87.91	89.75	90.41	90.20	91.24	95.55	93.93	92.53	90.73	89.40	81.70	82.63

CQS: 88.7



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2700 K	90.1	43.3	90.5	97.3	88.7	0.5	0.4	0.3	0.4	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°
496	494	484	469	447	420	389	353	314	273	229	182	137	93	55	26	11	4	1	1
100%	100%	98%	94%	90%	85%	78%	71%	63%	55%	46%	37%	28%	19%	11%	5%	2%	1%	0%	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°
496	494	484	469	447	420	389	353	314	273	229	182	137	93	55	26	11	4	1	1
100%	100%	98%	94%	90%	85%	78%	71%	63%	55%	46%	37%	28%	19%	11%	5%	2%	1%	0%	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°
496	494	484	469	447	420	389	353	314	273	229	182	137	93	55	26	11	4	1	1
100%	100%	98%	94%	90%	85%	78%	71%	63%	55%	46%	37%	28%	19%	11%	5%	2%	1%	0%	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°
496	494	484	469	447	420	389	353	314	273	229	182	137	93	55	26	11	4	1	1
100%	100%	98%	94%	90%	85%	78%	71%	63%	55%	46%	37%	28%	19%	11%	5%	2%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95.6°	141.7°	158.9°	87.6%	63.7%