



## HT-EAD4-0912W-502AP-CC

### 4" RETROFIT DIMMABLE DOWNLIGHT, 120V 12W 5000K (DAYLIGHT)

#### Specifications



<b>Model No.:</b>	HT-EAD4-0912W-502AP-CC
<b>Input Voltage:</b>	120V AC
<b>Wattage:</b>	12W
<b>Color Temperature:</b>	5000K (Daylight)
<b>Brightness:</b>	780 Lumens
<b>Body Color:</b>	White
<b>Dimmable:</b>	Yes
<b>Beam Angle:</b>	100°
<b>Rendering Index:</b>	CRI>90
<b>IC Rated:</b>	Yes
<b>IP Rated:</b>	IP20 (Dry Locations)
<b>Wire Length:</b>	30 cm (11.8 in) 18AWG
<b>Dimensions:</b>	Ø 130 mm (5 in), Depth 70 mm (2.75 in)
<b>Cut Size:</b>	Ø 100 mm (4 in)
<b>Certification:</b>	UL



**SKU: 666561411909**

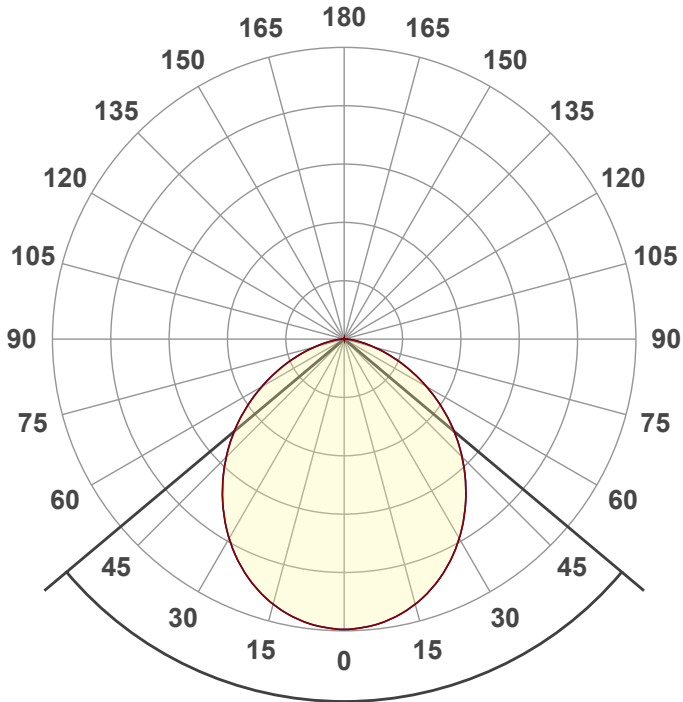
#### Features

- Retrofit/Down Light fits perfectly in a 4-inch (10.16 cm) housing can.
- It has a 5-inch (12.7 cm) outer diameter.
- The package includes an E26 screw-in type connector.
- It is a good replacement for halogen lights with only 12W energy utilization.
- Widely applicable for ceiling lights in an existing 4-inch can.
- It has a lifespan of 50,000 hours.
- It dissipates very little heat and is safe to touch.
- Suitable for dry and damp locations.
- Saves 80% of the power compared to an incandescent bulb and CFL bulb.
- It is a highly efficient product with an Energy Star logo.
- It is easily approved by electrical inspectors and meets Canadian and United States standards with UL STD. E363013.
- Has a 5-year store warranty.



#### 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°**

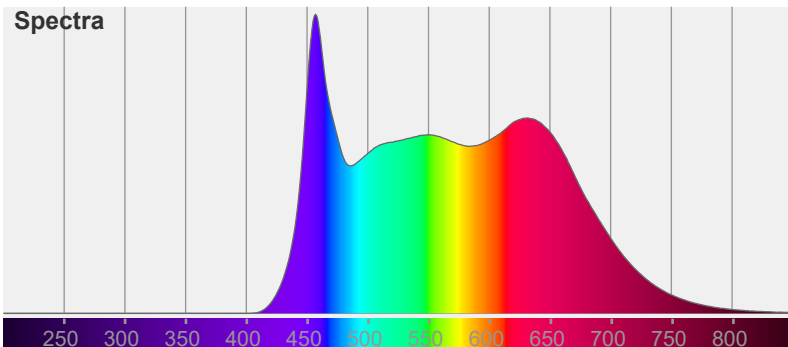


Color



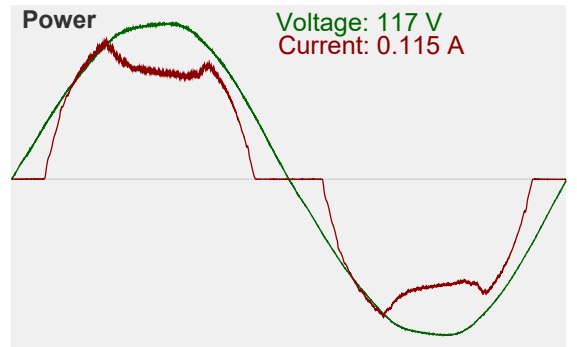
CIE1931  
x: 0.344  
y: 0.350

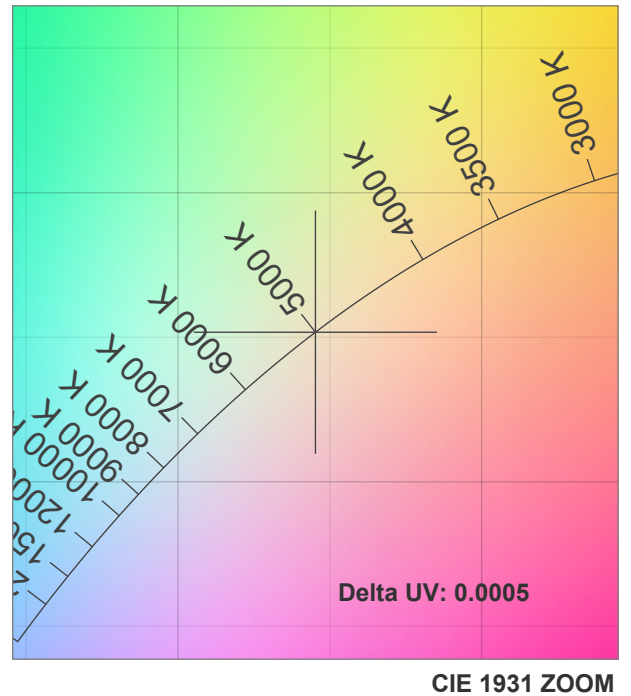
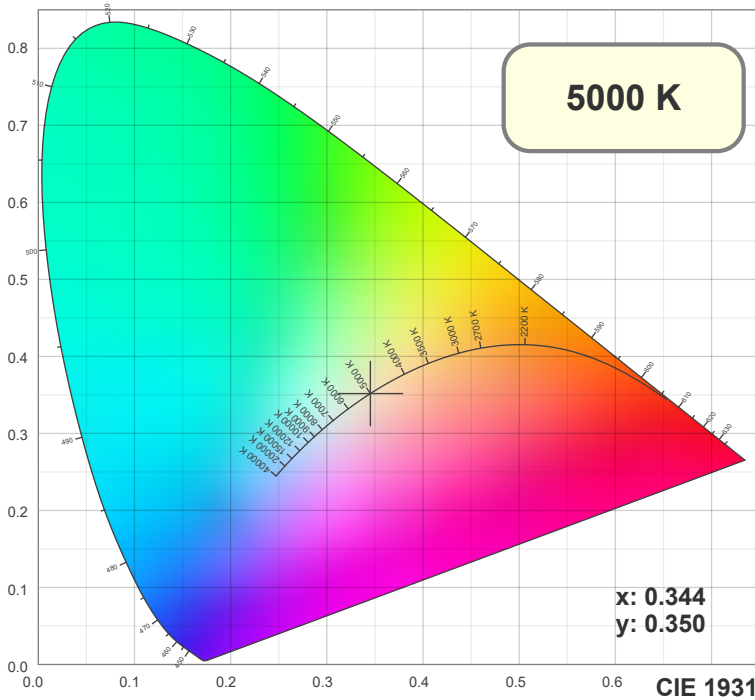
Spectra



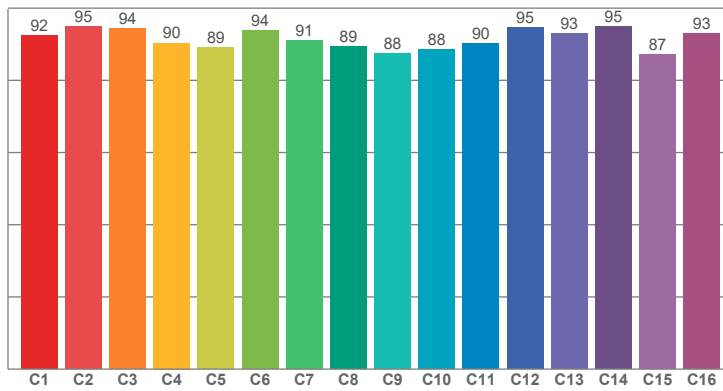
Power

Voltage: 117 V  
Current: 0.115 A

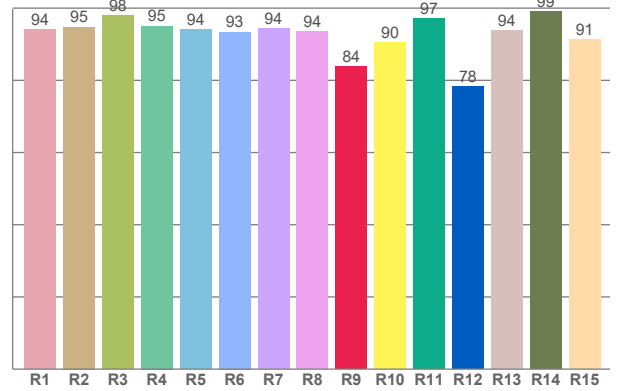




**TM30: 91.2**



**CRI: 94.7 (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
94.01	94.77	97.98	95.04	94.14	93.39	94.31	93.59	83.76	90.45	97.08	78.26	93.74	99.02	91.36

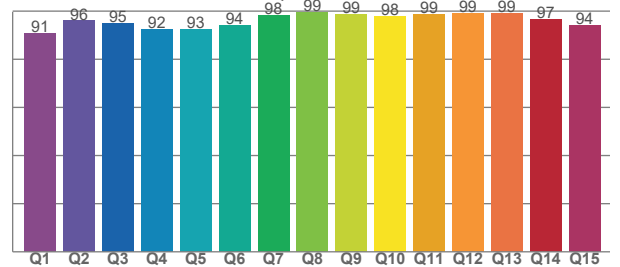
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.49	94.85	94.33	90.34	89.05	93.74	90.98	89.37	87.52	88.45	90.13	94.70	93.01	94.84	87.10	93.00

CQS Q values

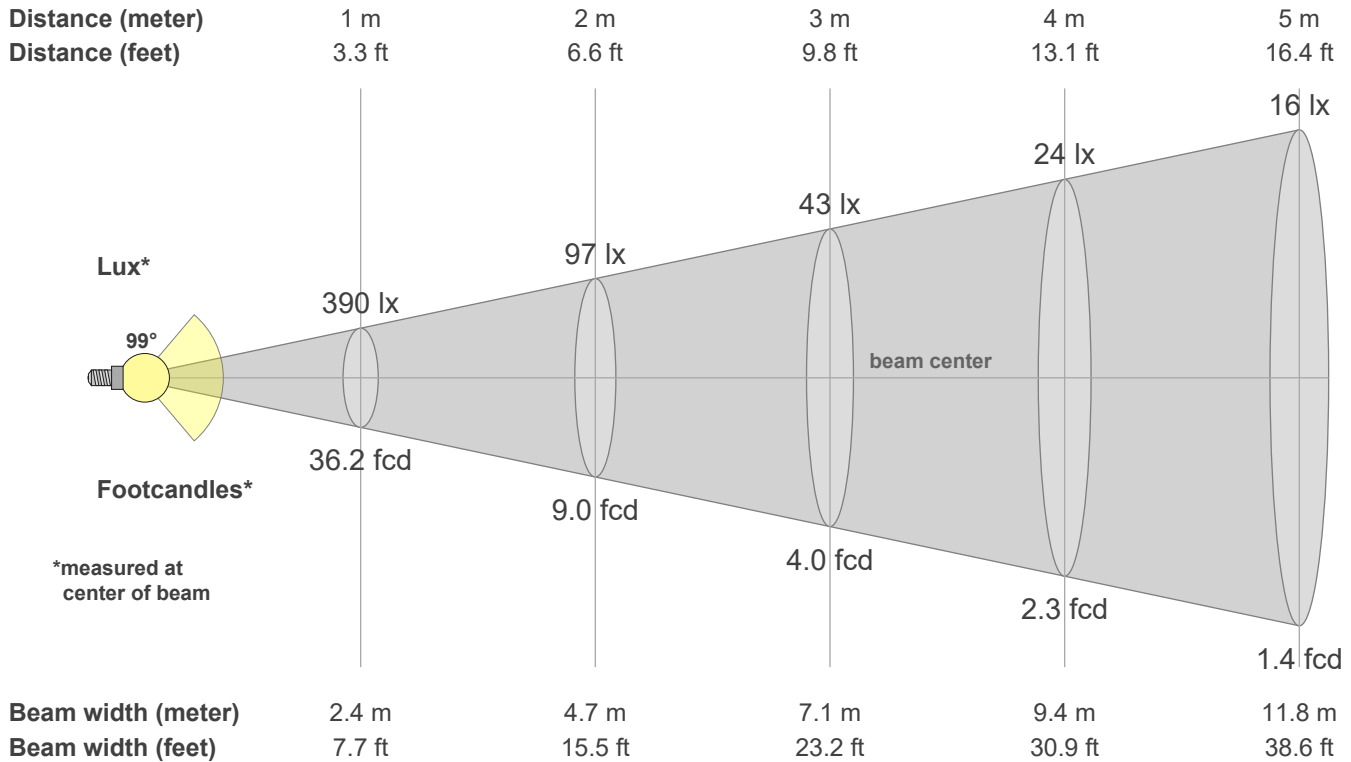
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.98	96.00	95.08	92.31	92.65	93.97	98.30	99.38	98.56	97.95	98.87	98.98	99.15	96.72	94.02

**CQS: 95.3**



### Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
5000 K	94.7	83.8	91.2	99.1	95.3	0.3	0.4	0.2	0.3	-0.0037



### 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°
390	387	380	368	352	332	309	282	254	224	193	160	128	97	68	42	23	10	3	1
100%	99%	98%	95%	90%	85%	79%	72%	65%	57%	49%	41%	33%	25%	17%	11%	6%	3%	1%	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°
390	387	380	368	352	332	309	282	254	224	193	160	128	97	68	42	23	10	3	1
100%	99%	98%	95%	90%	85%	79%	72%	65%	57%	49%	41%	33%	25%	17%	11%	6%	3%	1%	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°
390	387	380	368	352	332	309	282	254	224	193	160	128	97	68	42	23	10	3	1
100%	99%	98%	95%	90%	85%	79%	72%	65%	57%	49%	41%	33%	25%	17%	11%	6%	3%	1%	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°
390	387	380	368	352	332	309	282	254	224	193	160	128	97	68	42	23	10	3	1
100%	99%	98%	95%	90%	85%	79%	72%	65%	57%	49%	41%	33%	25%	17%	11%	6%	3%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
99.3°	151.3°	170.2°	83.7%	59.5%