



LT-US-D49W2278E-02

4" RETROFIT DIMMABLE DOWNLIGHT, 120V 9W 2700K (SOFT WHITE)

Specifications



Model No.:	LT-US-D49W2278E-02
Input Voltage:	120V AC
Wattage:	9W
Color Temperature:	2700K (Soft White)
Brightness:	650 Lumens
Body Color:	White
Dimmable:	Yes
Beam Angle:	100°
Rendering Index:	CRI>80
IC Rated:	Yes
IP Rated:	IP20 (Dry Locations)
Wire Length:	30 cm (11.8 in) 18AWG
Dimensions:	Ø 127 mm (5 in), Depth 79 mm (3.1 in)
Cut Size:	Ø 97 mm (3.8 in)
Certification:	UL



SKU: 666561406981

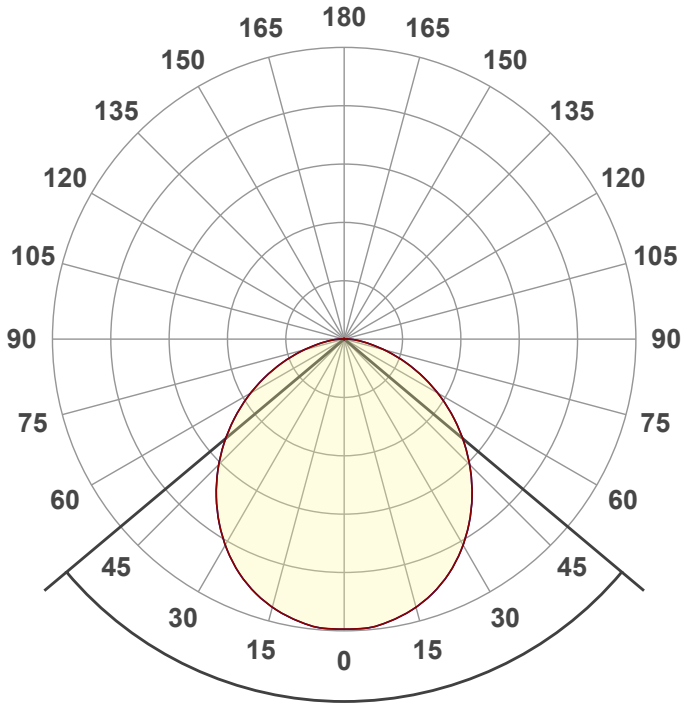
Features

- 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 E-26 screw-in type connector.
- It is a good replacement for 60W halogen light with only 9w energy utilization.
- Widely applicable for ceiling lights in an existing 4-inch can.
- It has a lifespan of 35,000 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.



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°

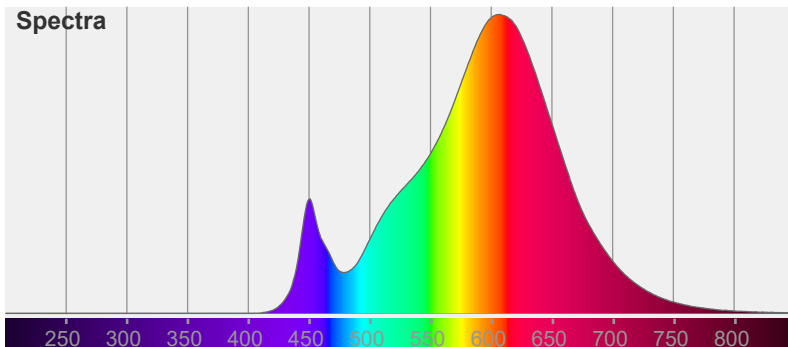


Color

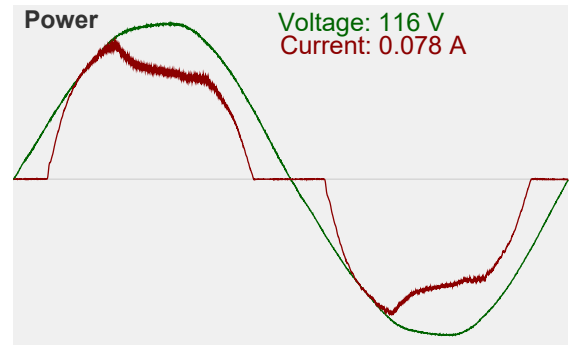


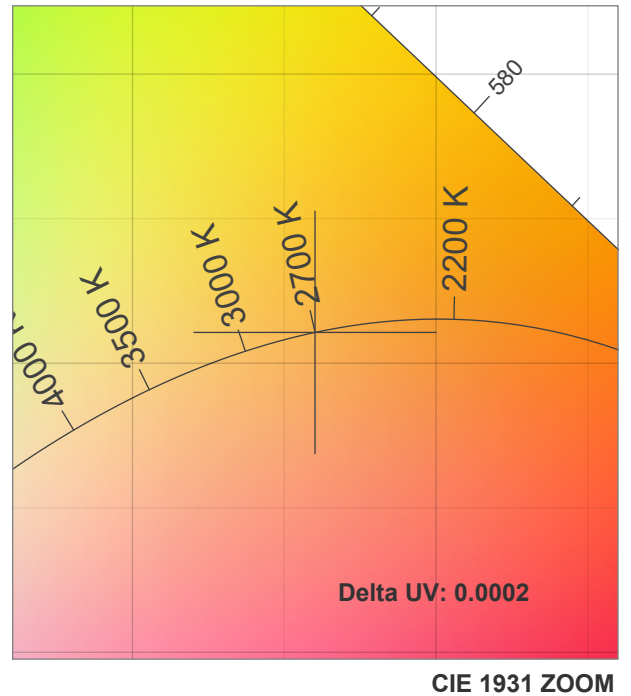
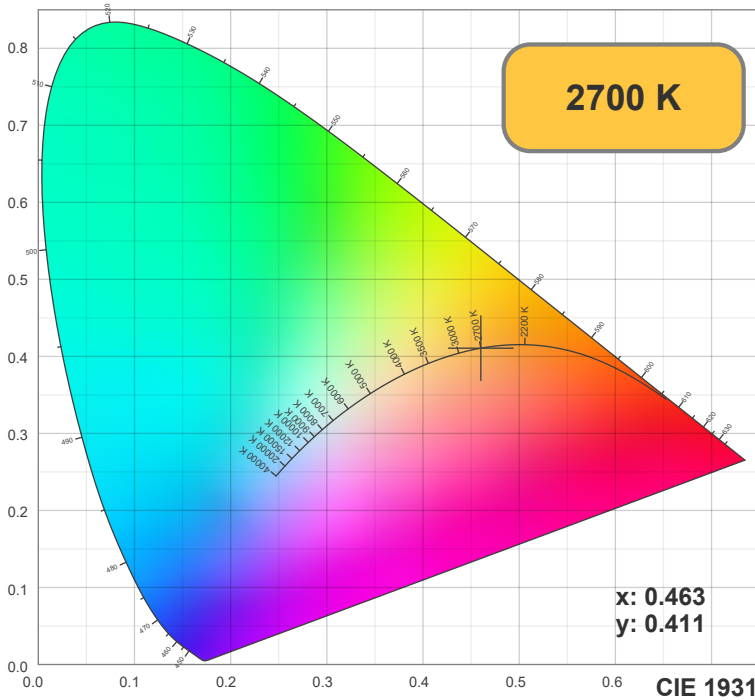
CIE1931
x: 0.463
y: 0.411

Spectra

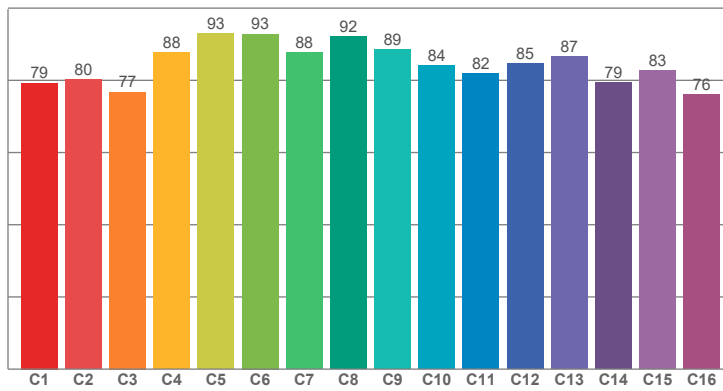


Power

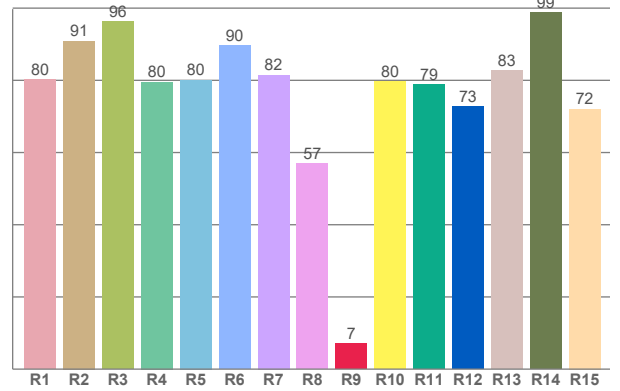




TM30: 84.3



CRI: 81.9 (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
80.24	90.89	96.23	79.55	80.11	89.58	81.50	57.06	7.01	79.58	78.86	72.76	82.69	98.74	72.07

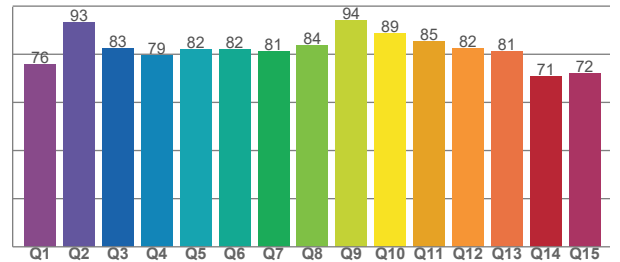
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.29	80.20	76.76	87.77	93.02	92.83	87.73	92.10	88.53	84.20	81.97	84.60	86.54	79.39	82.81	76.07

CQS Q values

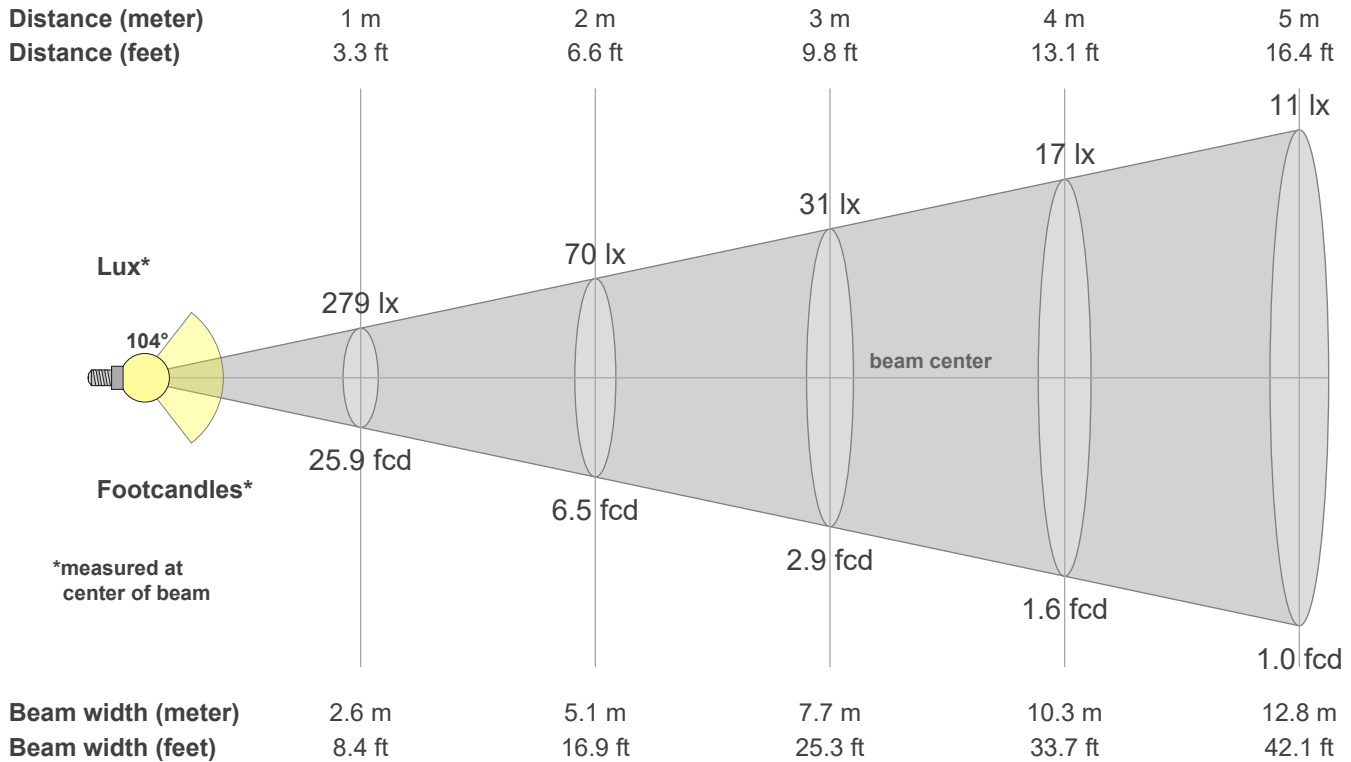
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.96	93.46	82.61	79.44	81.97	81.94	81.16	83.78	94.02	88.82	85.43	82.49	81.32	70.71	72.28

CQS: 81.1



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2700 K	81.9	7.0	84.3	96.3	81.1	0.5	0.4	0.3	0.4	-0.0002



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°
279	279	274	267	257	244	229	211	192	171	149	127	104	82	60	40	24	12	5	1
100%	100%	98%	96%	92%	88%	82%	76%	69%	61%	53%	45%	37%	29%	22%	14%	8%	4%	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°
279	279	274	267	257	244	229	211	192	171	149	127	104	82	60	40	24	12	5	1
100%	100%	98%	96%	92%	88%	82%	76%	69%	61%	53%	45%	37%	29%	22%	14%	8%	4%	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°
279	279	274	267	257	244	229	211	192	171	149	127	104	82	60	40	24	12	5	1
100%	100%	98%	96%	92%	88%	82%	76%	69%	61%	53%	45%	37%	29%	22%	14%	8%	4%	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°
279	279	274	267	257	244	229	211	192	171	149	127	104	82	60	40	24	12	5	1
100%	100%	98%	96%	92%	88%	82%	76%	69%	61%	53%	45%	37%	29%	22%	14%	8%	4%	2%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
104.2°	156.9°	176.2°	81.0%	56.6%