

# LU-DL40-5&6-12W-D

## LED Downlight (Retrofit)



Lumectra's DL40 downlight retrofit kit adopts high lumen LM80 SMD led chip, with efficiency of 75-80 LPW. UL cUL and Energy Star approved for North America. Our 5 & 6 inch models come with E26 & GU24 adaptors for easy installation. Compatible with Lutron dimmers.

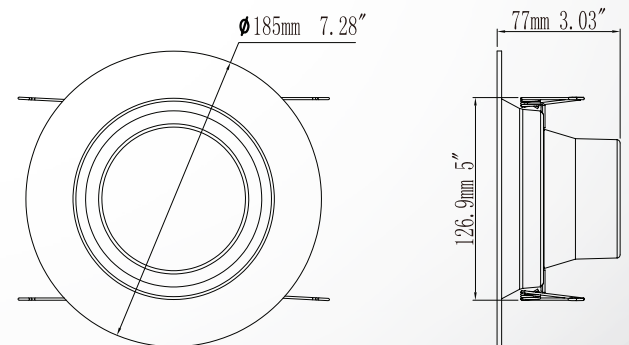
- Up to 70% energy saving compared to standard CFL
- Long lifetime of 36,000 hours
- Dimmable via triac dimmer
- 90° wide beam angle
- Environment friendly, no hazardous substances
- Class II Isolation (No safety Ground Required)
- IP20 Ingress Protection (Indoor Use)



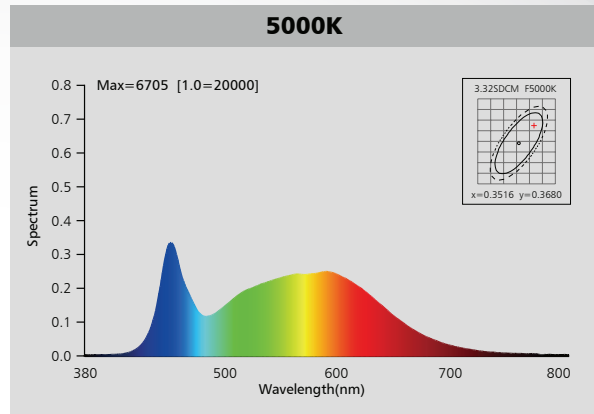
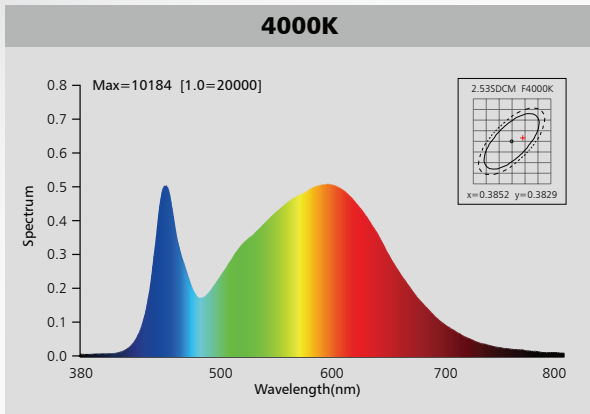
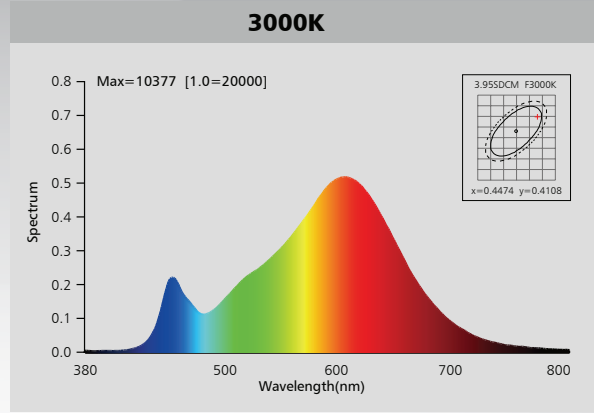
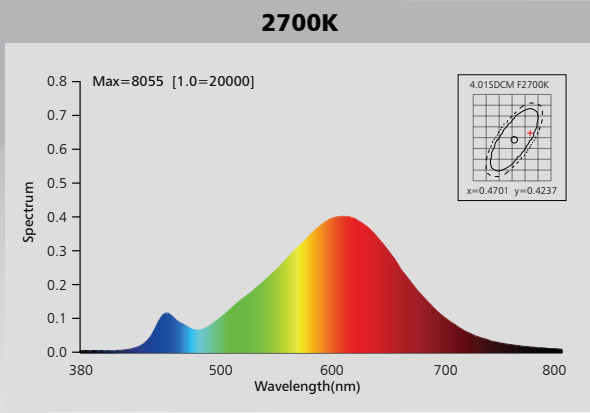
Model	Lumen (±5%)	CCT	Power	Power Factor	Beam Angle	Lifespan	CRI	Dimmable	Dimensions
<b>LU-DL40-5&amp;6-12W-D-2700</b>	900	2700K	12W	≥0.9	90°	36000h	≥80	Yes	Ø185 x 73mm
<b>LU-DL40-5&amp;6-12W-D-3000</b>	1030	3000K							
<b>LU-DL40-5&amp;6-12W-D-4000</b>	1050	4000K							
<b>LU-DL40-5&amp;6-12W-D-5000</b>	1080	5000K							

SPECIFICATIONS	DIMMING
Input rated Voltage	AC120V
Frequency	60Hz
Input Voltage	AC90-140V
Efficiency	≥84%
Rated input current	≤0.1A
Operating Temperature	-20 to +45C
Operating Humidity	0 to 90%
Dimming range	8% - 100%
Dimmer	Triac dimmers
Short circuit protection	PASS
Over voltage protection	PASS
Over tempe protection	PASS
Withstand voltage	AC1500V
Storage Temperature	-20 to +85C

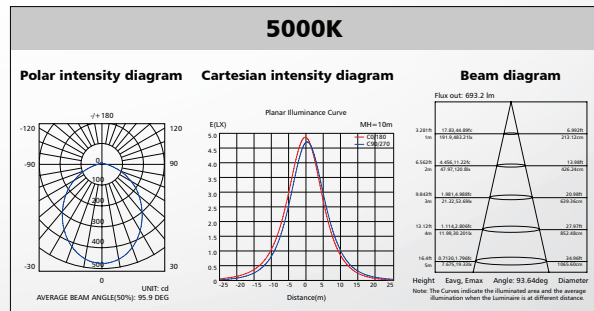
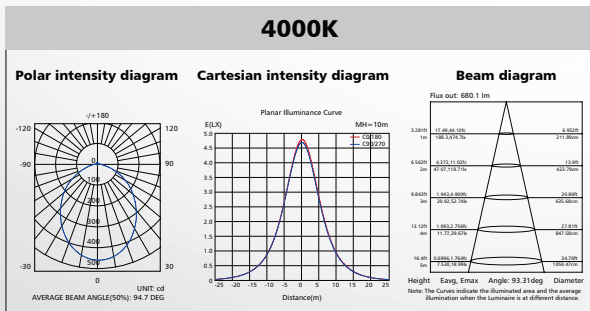
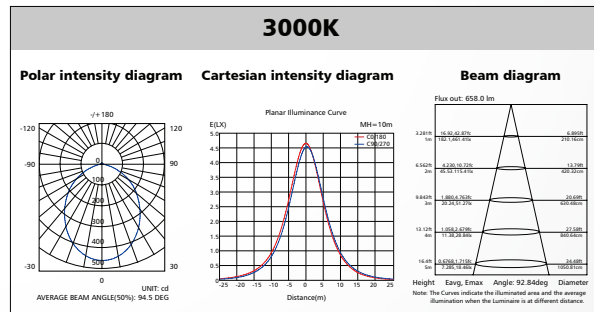
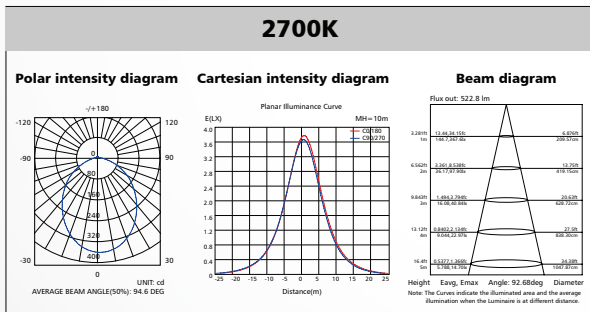
### MECHANICAL OUTLINE



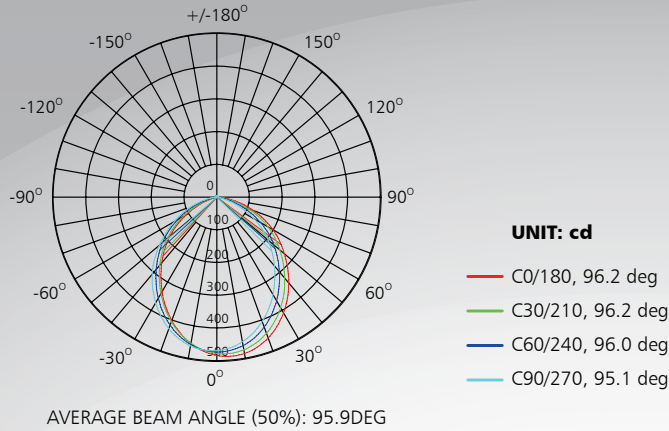
# Spectral Distribution



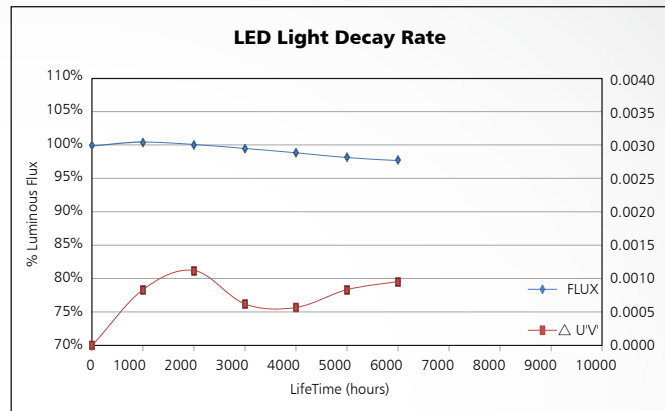
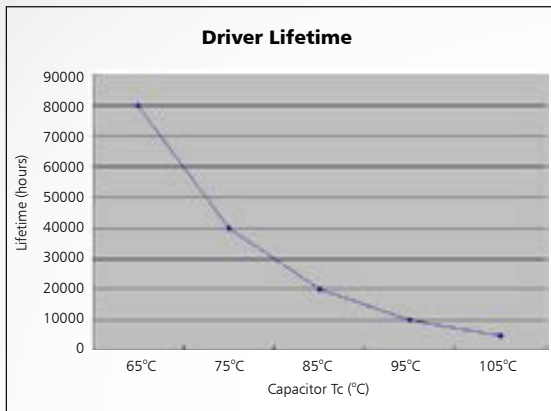
# Photometric Diagram



## Polar Diagram Comparison

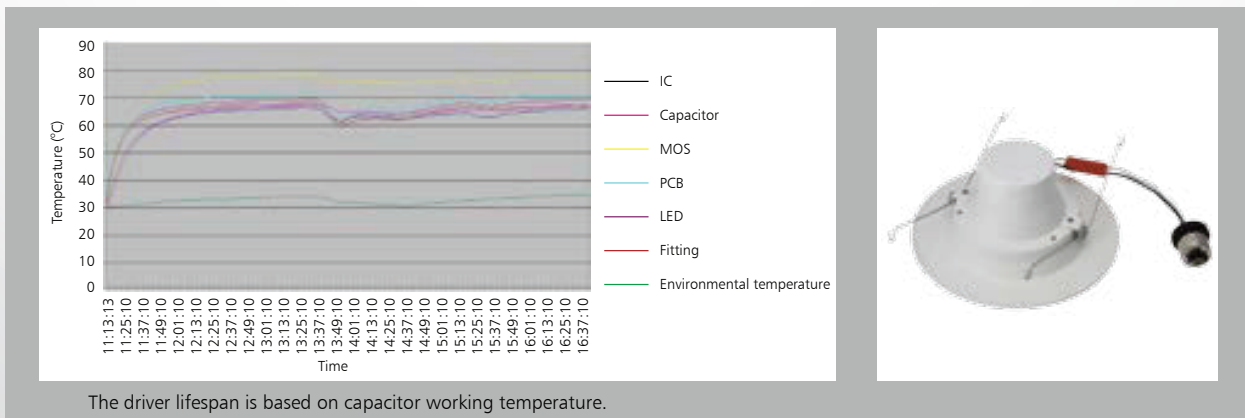


## Driver lifetime & LED light decay rate



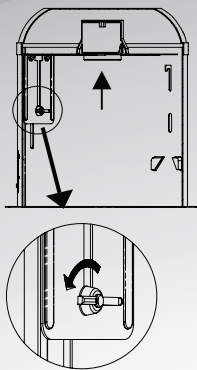
## Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

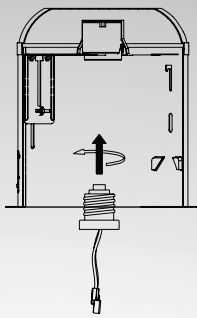


# Installation


**Step1:**  
Unscrew the wing nut in side the can, Upwards move the socket bracket to max from the can.



**Step2:**  
Thread the socket adapter into the socket.

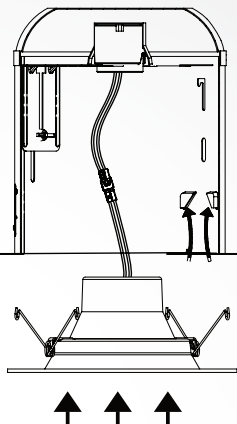


**Step3:**  
Plug the female connector of the retrofit trim onto the male connector of the socket adapter assembly.



**Step4:**  
Squeeze both torsion spring arms together and insert into the torsion spring slots (or receiver brackets) of the can. Tuck all wires into the can and carefully push the retrofit trim into can. (note: to provide enough room in shallow cans carefully position socket adapter and socket adjacent to the long side of the LED driver prior to inserting the retrofit trim into the can.)

Remove thermal protector used in the listed recessed luminaire if need. (Also applicable to LED housing with connector)



# Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCs)
Carton	49.5*40.5*41	0.46	11.5	20

	CTNS	Q'TY(PCs)	VOLUME(CBM)
20" standard container	335	6700	28
40" standard container	670	13400	56

