

LED Downlight ND311T-312T

8.7W/10W/12W/15W

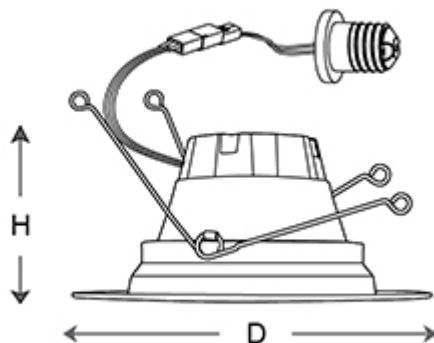
Features

- 8.7W / 10W / 12W / 15W LED dimmable downlight
- Recessed round, uniform distribution
- Comfort glare-free diffuser
- California Energy Commission (CEC) Title 24 compliant
- Suitable for 4in / 5in / 6in recessed can
- TRIAC dimmable
- Good color rendition, Ra ≥80 / 90



Diagrams

Dimensions:



(Unit : inch)	(D1)	(H)
8.7W	Ø5.12" / 7.36"	x 1.89" / 1.97"
10W	Ø7.36"	x 1.97"
12W	Ø7.36"	x 1.97"
15W	Ø7.36"	x 1.97"

Prosperity Lamps & Components Ltd.

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Standards



Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant

Technical Data

Electrical

Rated Wattage [W]	8.7W / 10W / 12W / 15W
	8.7W / 10W / 12W (Title 24)
Rated Voltage [V/Hz]	110-130Vac, 50/60Hz
Power Factor @120V	0.7 / 0.9 (Title 24)
Input Current [mA] @120V	104 / 119 / 143 / 179
	81 / 93 / 111 (Title 24)

LED	SMD
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Model

ND311T-8.7W/8XX	8.7W
ND312T-8.7W/8XX	8.7W
ND312T-10W/8XX	10W
ND312T-12W/8XX	12W
ND312T-15W/8XX	15W
ND311T-8.7W/9XX	8.7W
ND312T-8.7W/9XX	8.7W
ND312T-10W/9XX	10W
ND312T-12W/9XX	12W

Luminous Flux [lm]

8.7W	700lm @3000K
	700lm @4000K
	700lm @5000K
10W	800lm @3000K
	800lm @4000K
	800lm @5000K
12W	1000lm @3000K
	1000lm @4000K

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	1000lm @5000K
15W	1200lm @3000K
	1200lm @4000K
	1200lm @5000K
Performance	
SDCM	<6
Estimated Yearly Energy Cost [\$USD]	1.05 / 1.2 / 1.45 / 1.8
Luminous Efficacy [lm/W]	80-83
Color Rendering Index [Ra]	≥90
Color Maintenance [hr]	>6000
Luminous Intensity Distribution [°]	90 / 95
Life [Yrs] (based on 3hrs/day)	32
Lumen Maintenance at 6000hrs	>0.8
Rapid Cycle Stress	>15,000 cycles
Start Time [sec]	<0.5
LED Failure	<5%
Mechanical	
Diameter D [in]	8.7W: Ø5.12 / Ø7.36
	10W, 12W, 15W: Ø7.36
Height H [in]	8.7W: 1.89 / 1.97
	10W, 12W, 15W: 1.97
Material	Body: Sheet steel with white finish
	Trim: Sheet steel with white finish
	Diffuser: Opal PC, UV protected
Standard Compliance	
ANSI	UL8750, UL1993, C82.77-2002, C78.377-2008
Mercury Content [mg]	0.0
Other	
Dimmable [Y/N]	Y
Operation Temperature	-20°C ~ 50°C
Storage Temperature	-10°C ~ 30°C