



PROJECT

TYPE

DATE

ITEM NO.

NOTE

LED IC RATED J-BOX DOWNLIGHT

SJDL Series

Downlights

DESCRIPTION

The SJDL Series LED Downlight is an economical all-in-one solution for recessed down lighting for general lighting applications. Easy to install in new construction and retrofit projects. SJDL downlight has slim body that fits into shallow ceilings.

APPLICATION

Indoor general/ambient illumination. Ideal for offices, schools, retail, and other architectural spaces that require energy demand reduction and high quality light.



SPECIFICATION FEATURES

Construction

SJDL Series is built with an integral junction box that eliminates the need for a traditional recessed housing. It saves installers time and cost, simply connect the junction box wiring to a light switch and place it into ceiling. No can, bulb or extra labor required. Twist-lock modular design for install trims. Housing and optics maintain damp location rated.

Mounting

The easy fit installation allow for installation in a large range of commercial and architectural housing range. Trims with white finish.
- 4" round trim fits 4.7" Min. to 5.2" Max. mounting frame diameters.
- 4" square trim fits 5.3" Min. to 6" Max. mounting frame diameters.
- 6" trim fits 6" Min. to 7.3" Max. mounting frame diameters.
- 8" trim fits 7.4" Min. to 8.9" Max. mounting frame diameters.
- 10" trim fits 9.5" Min. to 10.8" Max. mounting frame diameters.

Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. 120-277V input voltage for increased versatility.

Controls

Suitable for use with dimming wall switch to achieve deeper energy-savings and code compliance.

Certifications / Regulatory

cULus listed for dry and damp locations rated, IC rated for maximum 20W items only.

Warranty

5-year limited warranty. See complete warranty terms for details.

Quick Ship Product

ORDERING INFORMATION

Sample Number: **SJDL-H20/840-10V-C-4**

Series	Lumen Package		CRI	CCT	Dimmable
SJDL - J-box Downlight	H15	H(20/15/10)	8 - 80CRI	A - 4000/3500/3000K Adjustable 30 - 3000K 35 - 3500K 40 - 4000K	(Blank) - non-dimmable 10V - 1-10V dimmable
	- 15W, 1125lm	- 20/15/10W, 1500/1170/800lm			
	H20	H(40/34/27)			
	- 20W, 1500lm	- 40/34/27W, 3200/2890/2430lm			
		H(60/50/40)			
		- 60/50/40W, 6180/5300/4360lm			

Input Voltage	Trims	Emergency Backup
(Blank) - 120-277V C - 120-347V	4 - 4" round trim (not for 60/50/40 engine) 4-S - 4" square trim (not for 60/50/40 engine) 4-RW - 4" wall wash round trim (not for 60/50/40 engine) 4-SW - 4" wall wash square trim (not for 60/50/40 engine) 6 - 6" round trim 6-S - 6" square trim 6-RW - 6" wall wash round trim (not for 60/50/40 engine) 6-SW - 6" wall wash square trim (not for 60/50/40 engine) 8 - 8" round trim 10 - 10" round trim	EM-8W - 8W EM EM-18W - 18W EM * Require field installation

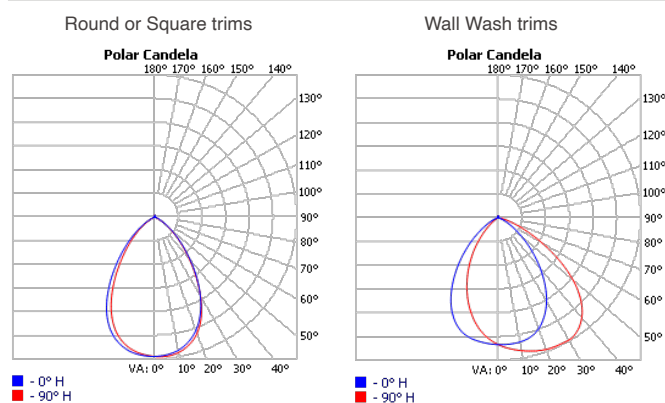
SUMMARY

Input Voltage	120-277V
Input Power	See energy data for details
Power Factor	>0.95
THD (Max.)	20%
Efficacy	> 75 LPW
Delivered Lumens	See energy data for details
CRI	>80
CCT	3000K, 3500K, 4000K 3000K/3500K/4000K Selectable
Beam Angle	4":70-80°, 6":55-75°, 8":70°, 10": 75°
Operating Temp.	-4 ~ +113°F (-20 ~ +45°C)
Rated Life	50,000 hours

ENERGY PERFORMANCE DATA

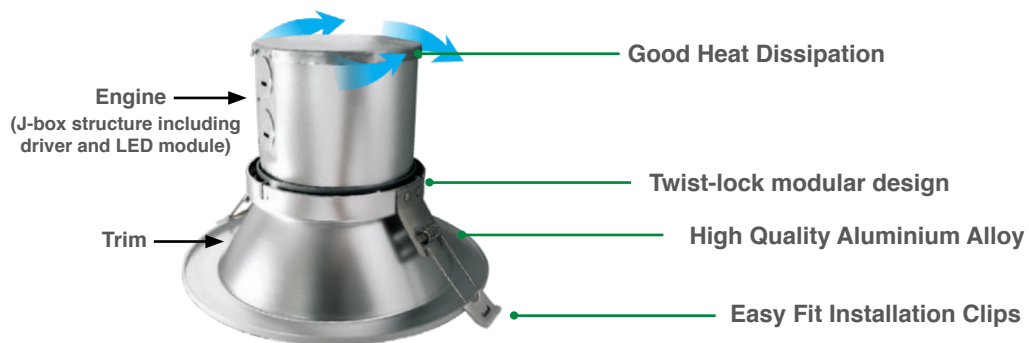
Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
X=4,6,8,10 Y=6,8,10	SJDL-H15/835-X	15	1125	75
	SJDL-H15/840-X			
	SJDL-H20/830-X	20	1500	75
	SJDL-H20/835-10V-C-X			
	SJDL-H20/840-10V-C-X	20/15/10	1500/1170/800	75
	SJDL-H(20/15/10)/8A-10V-C-X			
	SJDL-H(40/34/27)/8A-10V-C-X	40/34/27	3200/2720/2160	80
	SJDL-H(60/50/40)/8A-10V-C-Y	60/50/40	6180/5300/4360	103

OPTICS



PHYSICAL PARAMETERS

Variety of trim sizes and watt-ages. The innovative separable design of engine and trim makes it more flexible.



Engine



Trims



DIMENSION

SJDL-H15, H20, H(20/15/10) IC rated		SJDL-H(40/34/27) Non-IC rated		SJDL-H(60/50/40) Non-IC rated
With Round Trim	With Square Trim	With Round Trim	With Square Trim	With Round Trim
<p>4"</p> <p>5.52"(140mm) 5.43"(138mm)</p>	<p>4"</p> <p>6.38"(162mm) 5.43"(138mm)</p>	<p>4"</p> <p>5.52"(140mm) 6.93"(176mm)</p>	<p>4"</p> <p>6.38"(162mm) 6.93"(176mm)</p>	<p>4"</p> <p>7.62"(193mm) 7.34"(187mm)</p>
<p>6"</p> <p>7.62"(193mm) 5.43"(138mm)</p>	<p>6"</p> <p>7.49"(190mm) 5.43"(138mm)</p>	<p>6"</p> <p>7.62"(193mm) 6.93"(176mm)</p>	<p>6"</p> <p>7.49"(190mm) 6.93"(176mm)</p>	<p>6"</p> <p>7.62"(193mm) 7.34"(187mm)</p>
<p>8"</p> <p>9.22"(234mm) 6.02"(153mm)</p>	<p>8"</p> <p>9.22"(234mm) 6.02"(153mm)</p>	<p>8"</p> <p>9.22"(234mm) 7.52"(191mm)</p>	<p>8"</p> <p>9.22"(234mm) 7.52"(191mm)</p>	<p>8"</p> <p>9.22"(234mm) 7.93"(202mm)</p>
<p>10"</p> <p>11.19"(284mm) 7"(178mm)</p>	<p>10"</p> <p>11.19"(284mm) 7"(178mm)</p>	<p>10"</p> <p>11.19"(284mm) 8.5"(216mm)</p>	<p>10"</p> <p>11.19"(284mm) 8.5"(216mm)</p>	<p>10"</p> <p>11.19"(284mm) 8.91"(227mm)</p>
<p>4" wash</p> <p>6.38"(162mm) 5.22"(133mm)</p>	<p>4" wash</p> <p>6.38"(162mm) 5.22"(133mm)</p>	<p>4" wash</p> <p>6.38"(162mm) 6.45"(164mm)</p>	<p>4" wash</p> <p>6.38"(162mm) 6.45"(164mm)</p>	<p>4" wash</p> <p>7.49"(190mm) 7.34"(187mm)</p>
<p>6" wash</p> <p>7.62"(194mm) 5.39"(137mm)</p>	<p>6" wash</p> <p>7.49"(190mm) 5.39"(137mm)</p>	<p>6" wash</p> <p>7.62"(194mm) 6.63"(169mm)</p>	<p>6" wash</p> <p>7.49"(190mm) 6.63"(169mm)</p>	<p>6" Square Trim</p> <p>7.49"(190mm) 7.34"(187mm)</p>