

JADIL-13-CPS SERIES

SURFACE MOUNT ARCHITECTURAL CCT & POWER SELECTABLE LINEAR SERIES



FEATURES

- 90+ CRI
- CCT and Wattage selectable
- Aluminum housing
- 0-10V dimming, dim to 10% or 1% options
- Available with diffuser, louver or drop lens
- Individual units or continuous runs
- 2ft, 3ft, 4ft and 8ft lengths
- Damp rated for ambient operating temperature of -20°C to 40°C (-4° to 104°F)

Surface Mount

- Custom pattern with optional Line, L, X, T, Y, V joiners
- 1 lighting distribution type: Direct (100%)

SPECIFICATIONS

Available Lengths & Selectable Wattage: 2ft (20W/15W/10W); 3ft (30W/23W/15W)
4ft (40W/30W/20W); 8ft (80W/60W/40W)

Profile Color Options: Standard: White; Optional: Black, Custom Color

CCT Options: Selectable: 3000K / 3500K / 4000K

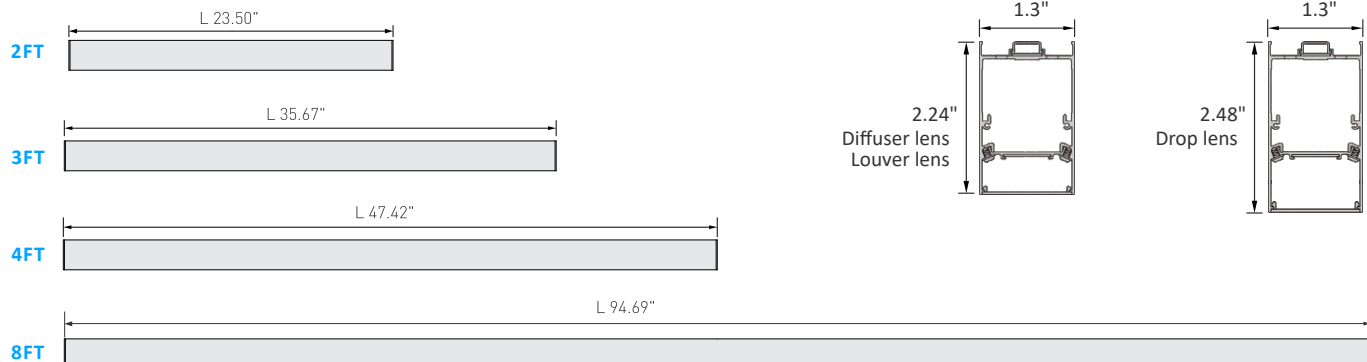
CRI Options: 90+ CRI Standard

Input Voltage: CC 120-277VAC Internal driver

Ambient Temp.: -20°C to 40°C (-4°F to 104°F)

Warranty: 10 Years Limited

CROSS SECTION & PROFILE LENGTHS



Project Name/Type:		Date
Catalog/Part #:		

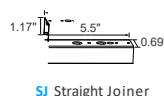
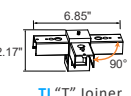
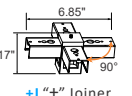
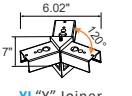
JADIL-13-CPS SERIES SINGLE/CONTINUOUS RUN ARCHITECTURAL LINEAR

ORDERING INFORMATION / EXAMPLE: JADIL-13-CPS2-20W-WH-LV-D-D10-SM-SR-NLC-FC

JADIL-13-CPS									SM	
Product Series	Length	Wattage	CCT	CRI	Finish	Down Lens	Light Distribution	Dimming	Mounting	Control Options
JADIL-13-CPS	2 2 Feet Slim 3 3 Feet Slim <i>*Special order</i> 4 4 Feet Slim 8 8 Feet Slim XX Custom <i>*Special order</i>	20W 20W/15W/10W Selectable for 2ft 30W 30W/23W/15W Selectable for 3ft 40W 40W/30W/20W Selectable for 4ft 80W 80W/60W/40W Selectable for 8ft XXW Pls Select the Factory Set value <i>*Special order</i>	Blank CCT adjustable 3000K/3500K/ 4000K XXX Pls Select the Factory Set value	Blank 90+ CRI (Standard)	WH White (Standard) BK Black CC Custom <i>*Special order</i>	DF Diffuser LV Louver DL Drop Lens	D 100% down	D10 100-277VAC Dim to 10% (Standard) Tested Dimmers: * Lutron Diva-Dvvt, * Leviton IP-710-DL D01 100-277VAC Dims to 1% <i>*Special order</i>	SM Surface Mount (Standard) 	Blank No Controller/Sensor SR-NLC-XX Silvair Fixture Controller/ Sensor CB-NLC-XX Casambi Fixture Controller/ Sensor BN-NLC-XX BubblyNet Fixture Controller/ Sensor BMWO Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)

Default Settings: Maximum wattage, 4000K and 100% down.

OPTIONAL SURFACE MOUNT ACCESSORIES

Joiners	Optional Function
 SJ Straight Joiner  LJ "L" Joiner  TJ "T" Joiner  HJ "H" Joiner  YJ "Y" Joiner  VJ "V" Joiner <i>*Special order</i>  JADIL-43F-PCDIFF 43' "Continuous" Rolling Diffusing Lens	Blank Not BAA/BABA EM16/EM25 Emergency Function (Only external 16w or 25w LED emergency driver with standard indicator available and need field-installed.) BAA Buy American Act <i>*Selected SKUs Only</i> BABA Build America, Buy America <i>*Selected SKUs Only</i>

SQUARE, RECTANGULAR, L, T, X, Y, HEXAGON & CUSTOM DESIGN FOR SURFACE MOUNT

ORDERING INFORMATION / EXAMPLE: JADIL-13-S-S08-WH-D10

Shape / Length* (Choose 1 & Enter Length in FT)	Finish	0-10V Dim	Control Options
JADIL-13-S-C_ Individual 6ft/ up to 8ft Continuous Run Section (Enter length in product code above, ex. C18) JADIL-13-S-S_ Square Configuration (Enter side length A, ex: S18) JADIL-13-S-R_/_ Rectangular Configuration (Enter side lengths A and B, ex. R12/24) JADIL-13-S-L_/_ L-Shaped Configuration (Enter side lengths A and B, ex. L12/24) JADIL-13-S-T_/_/_ T-Shaped Configuration (Enter side lengths A,B and C, ex. T02/02/04) JADIL-13-S+_/_/_/_ Cross-Shaped Configuration (Enter side lengths A, B,C and D, ex. +02/02/02/02) JADIL-13-S-Y_/_/_ Y-Shaped Configuration (Enter side lengths A,B and C, ex. Y04/04/04) JADIL-13-S-H_ Hexagon-Shaped Configuration (Enter side lengths A, ex. H4) <i>*Special order</i>	WH White BK Black CM Custom <i>*Special order</i>	D10 110-277V AC Dims to 10% Tested Dimmers: * Lutron Diva-Dvvt, * Leviton IP-710-DL D01 110-277V AC Dim to 1%	Blank No Controller/Sensor SR-NLC-XX Silvair Fixture Controller/ Sensor CB-NLC-XX Casambi Fixture Controller/ Sensor BN-NLC-XX BubblyNet Fixture Controller/ Sensor BMWO Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)
 (C)  (S)  (R)  (L)  (T)  (+)  (Y)  (H) <i>*Special order</i>	Shape orientation Looking from the Ceiling down to the floor. All corners of shape must be 90° or 120°, same plane. joiners and rolling lens will be included. For more complex shape, CONTACT JADEMAR LIGHTING.		



LUMEN PERFORMANCE AND ELECTRICAL DATA

Model Numbers	JADIL-13-CPS			
Size	2FT	3FT	4FT	8FT
Light Distribution	Direct Light (100% Down)			
CCT	Selectable: 3000K / 3500K / 4000K			
Lens	Diffuser			
Wattage	20W/15W/10W	30W/23W/15W	40W/30W/20W	80W/60W/40W
Lumen Output	Up to 1600 lm	Up to 2400 lm	Up to 3200 lm	Up to 6400 lm
Average Efficacy (lm/ft)	800 lm/ft			
Lens	Louver			
Wattage	20W/15W/10W	30W/23W/15W	40W/30W/20W	80W/60W/40W
Lumen Output	Up to 1400 lm	Up to 2100 lm	Up to 2800 lm	Up to 5600 lm
Average Efficacy (lm/ft)	700 lm/ft			
Lens	Drop Lens			
Wattage	20W/15W/10W	30W/23W/15W	40W/30W/20W	80W/60W/40W
Lumen Output	Up to 1900 lm	Up to 2900 lm	Up to 3800 lm	Up to 7600 lm
Average Efficacy (lm/ft)	950 lm/ft			

Note: Lumens are subject to maximum wattage, 4000K with white finish only.

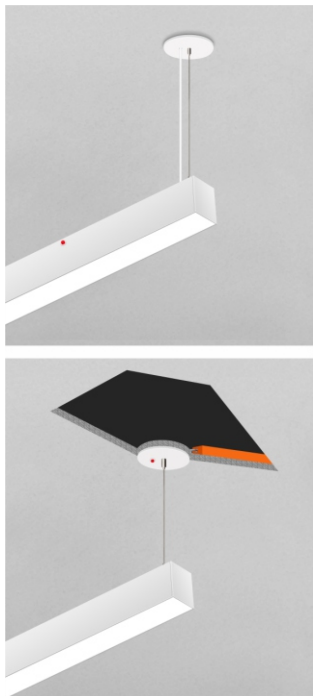
Lumen output may vary $\pm 5\%$ base on different CCT and wattage. Actual wattage may vary $\pm 5\%$.



OPTIONAL FUNCTIONS

EMERGENCY OPTIONS

Jademar Lighting provides LED emergency drivers designed for factory or field installation. Upon loss of AC power, the driver instantly transitions to emergency mode, maintaining illumination for at least 90 minutes. Once power is restored, the unit automatically reverts to charging mode to meet critical life-safety standards.



EM

Built-in LED emergency driver (Only for Direct/Indirect product)

Jademar Lighting offers the LED luminaire with built-in 8w LED emergency driver to provide critical illumination when normal power fails for any reason. It can save your labor cost with simple wiring.

Output Power	8 Watts
Output Voltage	15-54V DC
Input Current	70 mA (Max)
Input Power	3.2 Watts (Max)
Input Voltage	110-277VAC, 50-60Hz
Emergency Operation	≥90 Minutes
Standby Power	< 0.4W
Operating Temp	0°C to 50°C
Battery	Lithium
Recharge	24 Hrs
Certificate	UL, CEC

EM8/EM25

Order Separated LED emergency driver

Optional 8W and 25W high-voltage LED emergency drivers are available for field installation. For additional information or detailed specification sheets, please visit our website or contact our sales team.



Code-Required Testing Protocol

- **Initial Post-Installation Test:** Three seconds after the driver is installed and powered, it conducts a brief functional test to verify proper wiring and battery output. If a fault or error is detected, the LED indicator will turn off or flash.
- **120-Minute Verification Test:** A second diagnostic test is performed 120 minutes after installation.
Gen 3 Upgrade: If this second test fails, the unit will automatically retry the test every 120 minutes, up to four times.
- **Monthly Maintenance Test:** To ensure ongoing compliance, the system automatically performs a 3-second self-test every 30 days to re-verify wiring and battery health. Any detected failures will result in the LED indicator turning off or flashing.

BMW OCCUPANCY SENSOR



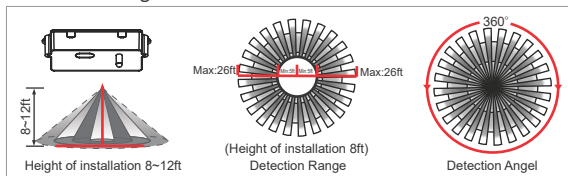
BMW O

Available with a factory-installed integrated sensor system utilizing the BMW microwave sensor. This system provides advanced multi-level control through precise motion detection and daylight harvesting capabilities.

For additional information or detailed specification sheets, please contact our sales team.

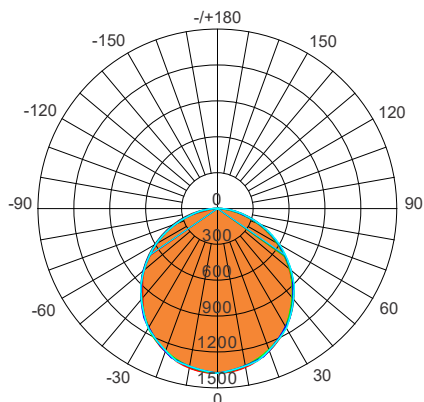
Power Supply	120/277 VAC 50/60Hz
Maximum load @ 40°F to +158°F (-40°C to +70°C)	Resistive/ Tungsten - 600W @ 120V Electronic Ballast(LED) - 800VA @ 120V /1200VA @ 277V
HF System	5.8GHz CW
Dim Control Output	0-10V, max .25mA sinking current
Detection Radius / angle	Max 26ft.(8m) /360
Mounting Height	Max 12ft
Humidity	Max .95% RH
Temperature	-40°F to +158°F (-40°C to +70°C)

Sensor Coverage



PHOTOMETRY

4'/Diffuser/100% Down/4000K



AVERAGE BEAM ANGLE(50%): 110.4

Lumens: 3771.05 Lm
Watts: 40 W
LPW: 89.39 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 109.7°
— C30/270, 110.0°
— C60/240, 110.7°
— C90/270, 111.1°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1369	1359	1357	1361	1373
10	1347	1334	1337	1336	1354
15	1313	1303	1316	1299	1323
20	1266	1267	1262	1247	1272
25	1208	1205	1208	1186	1219
30	1140	1135	1154	1122	1153
35	1062	1062	1071	1050	1072
40	976.4	983.8	988.8	957.6	974.4
45	883.7	886.6	906.5	783.1	888.6
50	784.8	789.2	803.8	626.2	801.2
55	680.4	691.8	701.2	502.2	690.3
60	571.8	577.8	598.6	404.1	585.1
65	460.1	466.6	485.1	314.0	479.4
70	348.3	356.3	371.6	233.5	367.7
75	239.5	247.0	258.1	160.0	249.3
80	136.7	145.7	172.8	93.10	83.41
85	48.16	74.26	87.56	46.56	25.93
90	2.283	4.164	2.321	1.715	1.697
95	5.970	4.673	2.367	2.337	0.3687
100	5.849	5.182	2.414	2.964	0.5275
105	6.116	5.362	2.460	3.700	0.6953
110	6.410	5.514	2.778	4.412	0.9148
115	6.513	5.754	3.095	4.988	1.181
120	6.695	6.041	3.413	5.559	1.409
125	6.718	6.259	3.696	6.234	1.652
130	6.531	6.176	3.978	6.039	1.886
135	6.339	6.021	4.261	5.881	2.124
140	6.017	5.736	4.464	5.996	2.348
145	5.489	5.455	4.667	6.071	0.553
150	4.784	5.106	4.869	5.956	2.759
155	4.103	4.691	4.900	5.660	2.922
160	3.706	4.330	4.931	5.248	3.076
165	3.646	4.055	4.961	4.881	3.212
170	3.768	4.052	4.738	4.666	3.347
175	3.927	4.171	4.514	4.455	3.389
180	4.290	4.290	4.290	4.290	3.431
DEG	LUMINOUS INTENSITY:cd				

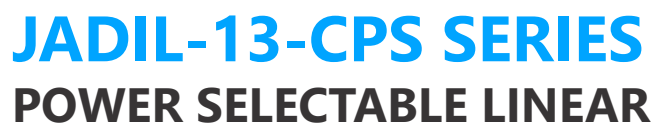
Zonal Lumens

τ	φ total
0-5	32.69
5-10	129.3
10-15	286.3
15-20	498.3
20-25	757.0
25-30	1054
30-35	1379
35-40	1719
40-45	2062
45-50	2396
50-55	2707
55-60	2987
60-65	3229
65-70	3427
70-75	3576
75-80	3676
80-85	3732
85-90	3751
90-95	3752
95-100	3753
100-105	3754
105-110	3756
110-115	3757
115-120	3759
120-125	3761
125-130	3762
130-135	3764
135-140	3765
140-145	3767
145-150	3768
150-155	3769
155-160	3770
160-165	3770
165-170	3771
170-175	3771
175-180	3771
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/27
85	13157	23921
80	18739	23694
75	22034	23739
70	24246	25866
65	25919	27328
60	27229	28503
55	28242	29107
50	29070	29775
45	29757	30523





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