



JADIL-18-CPS SERIES

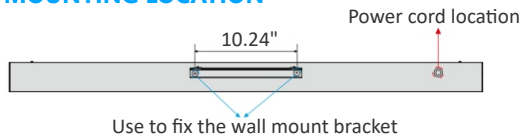
WALL MOUNT ARCHITECTURAL CCT & POWER SELECTABLE LINEAR SERIES



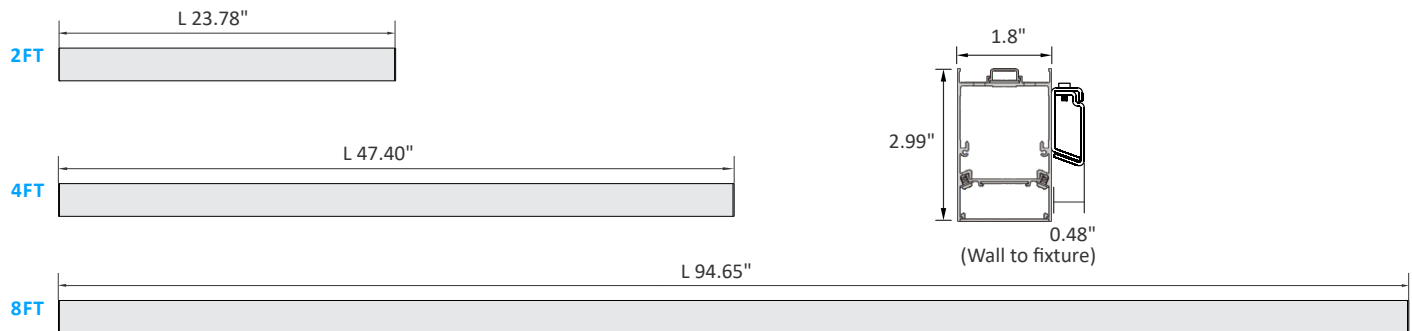
FEATURES

- 90+ CRI Standard
- CCT adjustable and wattage selectable
- Aluminum housing
- 0-10V dimming, dim to 10% or 1% options
- Continuous runs or Custom pattern
- 2ft, 4ft and 8ft lengths
- Damp rated for ambient operating temperature of -20°C to 40°C (-4° to 104°F)
- 7 lighting distribution types adjusted by dip switch:
Direct Down (100%)
Direct/Indirect (90%/10% - 70%/30% - 50%/50% - 30%/70% - 10%/90%)
Direct Up (100%)

MOUNTING LOCATION



CROSS SECTION & PROFILE LENGTHS



SPECIFICATIONS

Available Lengths & Selectable Wattage: 2ft (20W/15W/10W); 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



Project Name/Type:		Date
Catalog/Part #:		

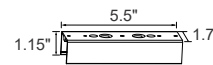
JADIL-18-CPS SERIES SINGLE/CONTINUOUS RUN ARCHITECTURAL LINEAR

ORDERING INFORMATION / EXAMPLE: JADIL-18-CPS-4-40W-WH-DF-50/50%-D10-SM-SR-NLC-FC

JADIL-18-CPS						DF			SM	
Product Series	Length	Wattage	CCT	CRI	Finish	Down Lens	Light Distribution	Dimming	Mounting	Control Options
JADIL-18-CPS	2 2 Feet Medium	20W 20W/15W/10W Selectable for 2ft	Blank CCT adjustable 3000K/3500K/ 4000K	Blank 90+ CRI (Standard)	WH White (Standard)	DF Diffuser	XX/XX% Please select the required value as the factory set option Adjustable by visible dip switch, 7 types: • 100% down light • 90% down, 10% up • 70% down, 30% up • 50% down, 50% up • 30% down, 70% up • 10% down, 90% up • 100% up light	D10 100-277VAC Dim to 10% (Standard) <i>Tested Dimmers:</i> * Lutron Diva-Dvty, * 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 BubbyNet Fixture Controller/ Sensor BMWO Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)
4 4 Feet Medium	40W 40W/30W/20W Selectable for 4ft	XXK Pls Select the Factory Set value	XXK Pls Select the Factory Set value	XXK Pls Select the Factory Set value	BK Black CC Custom* <i>*Special order</i>					
8 8 Feet Medium	80W 80W/60W/40W Selectable for 8ft	XXW Pls Select the Factory Set value								
XX Custom* <i>*Special order</i>										

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

OPTIONAL WALL MOUNT ACCESSORIES

Joiners	Other Options
 SJ Straight Joiner	Blank Not BAA/BABA BAA Buy American Act* <i>*Selected SKUs Only</i> BABA Build America, Buy America* <i>*Selected SKUs Only</i> EMI Emergency Function (Built-in 8W LED emergency driver and indicator before delivery, only for 4ft and 8ft lengths.) EM16/EM25 Emergency Function (Only external 16w or 25w LED emergency driver with standard indicator available and need field-installed.)

CONTINUOUS RUN FOR WALL MOUNT

ORDERING INFORMATION / EXAMPLE: JADIL-18-W-C18-WH-D10

Shape / Length* (Choose 1 & Enter Length in FT)	Finish	0-10V Dim
JADIL-18-W-C_ _ Individual 6ft/ up to 8ft Continuous Run Section (Enter length in product code above, ex. C18)	WH White BK Black CM Custom* <i>Make to Order</i>	D10 110-277V AC Dims to 10% <i>Tested Dimmers:</i> * Lutron Diva-Dvty, * Leviton IP-710-DL D01 110-277V AC Dim to 1%* <i>Make to Order</i>



Continuous Run



LUMEN PERFORMANCE AND ELECTRICAL DATA

Model Numbers	JADIL-18-CPS								
Size	2FT			4FT			8FT		
Light Distribution	Direct Light (100% Down)								
CCT Selectable	3000K	3500K	4000K	3000K	3500K	4000K	3000K	3500K	4000K
Finish	White								
Wattage	20W/15W/10W			40W/30W/20W			80W/60W/40W		
Lumen Output	1050-2100 lm	1150-2300 lm	1100-2200 lm	2100-4200 lm	2300-4600 lm	2200-4400 lm	4200-8400 lm	4600-9200 lm	4400-8800 lm
Average Efficacy (lm/ft)	580-1170 lm/ft								
Finish	Black								
Wattage	20W/15W/10W			40W/30W/20W			80W/60W/40W		
Lumen Output	850-1700 lm	950-1900 lm	900-1800 lm	1700-3400 lm	1900-3800 lm	1800-3600 lm	3400-6800 lm	3800-7600 lm	3600-7200 lm
Average Efficacy (lm/ft)	480-970 lm/ft								
Model Numbers	JADIL-18-CPS								
Size	2FT			4FT			8FT		
Light Distribution	Direct / Indirect Light (25% Up / 75% Down)								
CCT Selectable	3000K			3500K			4000K		
Finish	White								
Wattage	20W/15W/10W			40W/30W/20W			80W/60W/40W		
Lumen Output	1120-2240 lm	1220-2440 lm	1170-2340 lm	2240-4480 lm	2440-4880 lm	2340-4680 lm	4480-8960 lm	4880-9760 lm	4680-9360 lm
Average Efficacy (lm/ft)	580-1170 lm/ft								
Finish	Black								
Wattage	20W/15W/10W			40W/30W/20W			80W/60W/40W		
Lumen Output	920-1840 lm	1020-2040 lm	970-1940 lm	1840-3680 lm	2040-4080 lm	1940-3880 lm	3680-7360 lm	4080-8160 lm	3880-7760 lm
Average Efficacy (lm/ft)	480-970 lm/ft								
Ratio									

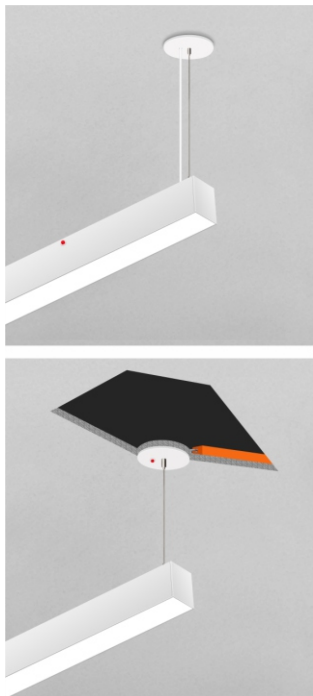
Note: Please check the IES files to gain precise data



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

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.

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.



BMW OCCUPANCY SENSOR



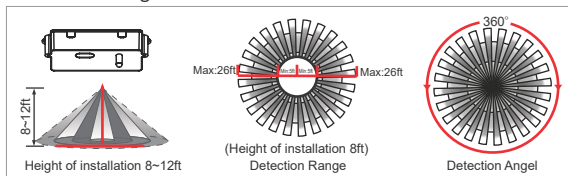
BMW O

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.

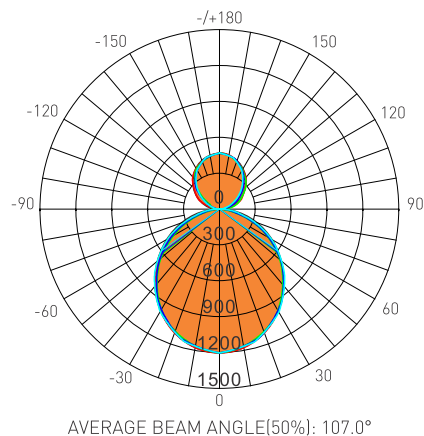
Power Supply	120/277 VAC 50/60Hz
Maximum load @ 40°F to +158°F (-40°C to +70°C)	Resistive/ Tungsten - 600W @ 120V Electronic Ballast(LED) - 800VA @ 120V /1200VA @ 277V
HF System	5.8GHz CW
Dim Control Output	0-10V, max .25mA sinking current
Detection Radius / angle	Max 26ft.(8m) /360
Mounting Height	Max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

Sensor Coverage



PHOTOMETRY

4' / Diffuser/25% Up,75% Down/3000K



Lumens: 4463.53 Lm
Watts: 40 W
LPW: 117.05 Lm/W
CCT: 3000K

UNIT: cd
— C0/180, 107.8°
— C30/210, 105.0°
— C60/240, 106.3°
— C90/270, 108.7°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1196	1186	1184	1186	1196
10	1176	1163	1166	1164	1176
15	1144	1134	1147	1137	1144
20	1100	1099	1096	1105	1101
25	1046	1040	1045	1049	1047
30	983.8	974.0	994.5	987.2	983.9
35	913.6	905.7	919.2	923.9	913.6
40	836.9	833.7	844.0	846.3	838.4
45	755.3	746.1	768.7	698.4	756.8
50	669.2	659.0	679.5	556.0	671.7
55	579.4	572.1	590.3	437.6	582.0
60	486.8	469.5	501.1	363.2	489.7
65	391.2	368.8	402.2	293.0	394.7
70	294.2	268.6	303.3	225.0	298.3
75	198.5	168.9	204.3	159.3	200.2
80	106.8	81.23	136.7	99.44	108.9
85	33.35	48.53	69.09	53.24	21.01
90	2.077	17.62	1.475	8.028	4.643
95	37.89	55.62	20.43	30.93	9.619
100	85.15	92.66	39.39	54.84	50.11
105	132.6	120.2	58.34	90.05	99.92
110	171.1	146.7	90.93	124.8	147.2
115	203.4	175.7	123.5	154.9	192.7
120	225.3	208.1	156.1	184.7	222.0
125	250.5	242.3	193.6	217.3	250.6
130	281.2	271.9	231.1	253.0	282.4
135	315.0	300.8	268.6	288.1	317.3
140	344.3	330.5	303.8	321.1	349.4
145	366.5	355.0	339.1	347.7	372.3
150	386.3	378.6	374.4	372.5	392.5
155	406.6	404.4	398.0	397.7	411.0
160	426.0	428.6	421.5	421.8	427.1
165	445.1	443.3	445.1	435.6	441.9
170	460.3	455.2	453.3	449.3	453.6
175	468.6	463.9	461.4	460.9	463.9
180	469.5	469.5	469.5	469.5	468.2
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	28.52
5-10	112.6
10-15	249.2
15-20	433.4
20-25	657.5
25-30	913.6
30-35	1193
35-40	1485
40-45	1778
45-50	2062
50-55	2327
55-60	2564
60-65	2768
65-70	2933
70-75	3055
75-80	3155
80-85	2975
85-90	2989
90-95	2993
95-100	3232
100-105	3271
105-110	3326
110-115	3394
115-120	3474
120-125	3565
125-130	3667
130-135	3777
135-140	3890
140-145	4003
145-150	4111
150-155	4209
155-160	4296
160-165	4367
165-170	4420
170-175	4452
175-180	4464
UNIT: lm	

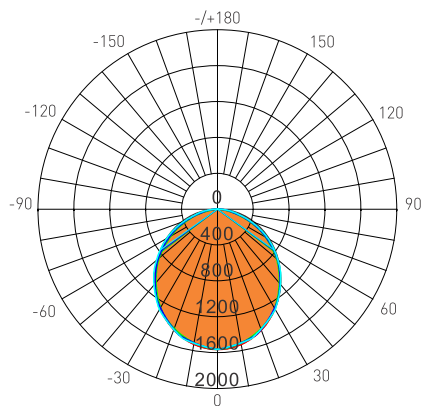
Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	7220	14957
80	11609	14854
75	14471	14895
70	16230	16730
65	17465	17956
60	18369	18911
55	19060	19419
50	19643	19946
45	20155	20511



PHOTOMETRY

4' / Diffuser/100% Down/3000K



AVERAGE BEAM ANGLE[50%]: 107.4°

Lumens: 4175.42 Lm
Watts: 40 W
LPW: 107.97 Lm/W
CCT: 3000K

UNIT: cd
— C0/180, 107.7°
— C30/210, 105.9°
— C60/240, 107.1°
— C90/270, 108.9°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1556	1543	1539	1542	1555
10	1532	1513	1514	1513	1528
15	1490	1475	1490	1475	1487
20	1433	1430	1423	1432	1429
25	1363	1353	1356	1359	1360
30	1282	1268	1290	1277	1277
35	1190	1180	1192	1194	1186
40	1090	1086	1095	1093	1087
45	984.1	972.8	997.1	903.1	982.0
50	871.7	859.5	880.8	717.3	870.4
55	756.0	747.0	764.5	563.3	753.9
60	634.8	616.5	648.3	465.0	633.8
65	510.5	488.9	519.9	373.3	510.2
70	384.1	361.7	391.5	283.0	384.4
75	259.5	235.0	263.1	194.8	257.1
80	141.1	120.8	176.0	115.2	139.2
85	43.64	60.87	88.86	59.69	25.85
90	0.7283	2.885	1.718	5.544	3.443
95	1.779	2.816	1.973	4.765	0.5225
100	1.956	2.742	2.228	4.015	0.7466
105	2.181	2.862	2.483	4.599	1.017
110	2.418	2.997	2.832	5.326	1.321
115	2.619	3.078	3.181	5.658	1.638
120	2.871	3.146	3.530	5.661	1.941
125	3.091	3.239	3.785	5.580	2.264
130	3.306	3.442	4.039	5.066	2.544
135	3.530	3.716	4.294	4.649	2.810
140	3.712	4.043	4.347	4.380	3.043
145	3.880	4.233	4.400	4.376	3.277
150	4.029	4.362	4.453	4.417	3.557
155	4.127	4.466	4.439	4.556	3.795
160	4.230	4.512	4.426	4.705	3.991
165	4.318	4.405	4.412	4.765	4.164
170	4.318	4.354	4.374	4.534	4.290
175	4.248	4.286	4.337	4.390	4.397
180	4.300	4.300	4.300	4.300	4.458
DEG	LUMINOUS INTENSITY:cd				

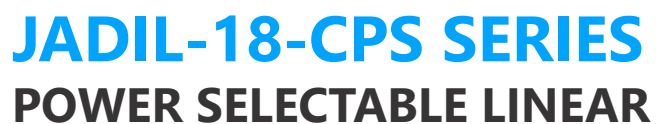
Zonal Lumens

τ	φ total
0-5	37.10
5-10	146.5
10-15	324.3
15-20	563.8
20-25	855.4
25-30	1189
30-35	1552
35-40	1932
40-45	2314
45-50	2684
50-55	3028
55-60	3337
60-65	3603
65-70	3818
70-75	3977
75-80	4081
80-85	4138
85-90	4157
90-95	4158
95-100	4159
100-105	4160
105-110	4162
110-115	4163
115-120	4164
120-125	4166
125-130	4167
130-135	4168
135-140	4170
140-145	4171
145-150	4172
150-155	4173
155-160	4174
160-165	4174
165-170	4175
170-175	4175
175-180	4175
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	9446	19236
80	15327	19123
75	18920	19183
70	21187	21598
65	22791	23210
60	23954	24462
55	24868	25149
50	25588	25854
45	26258	26605





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Page 7 of 7