

JADIL-13-CPS SERIES

PENDANT MOUNT ARCHITECTURAL CCT & POWER SELECTABLE LINEAR SERIES



FEATURES

- 90+ CRI Standard
- 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)

Pendant Mount

- 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%)
- Custom pattern with optional Line, L, X, T, Y, V joiners
- Dry ceiling or T-Grid ceiling compatible

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

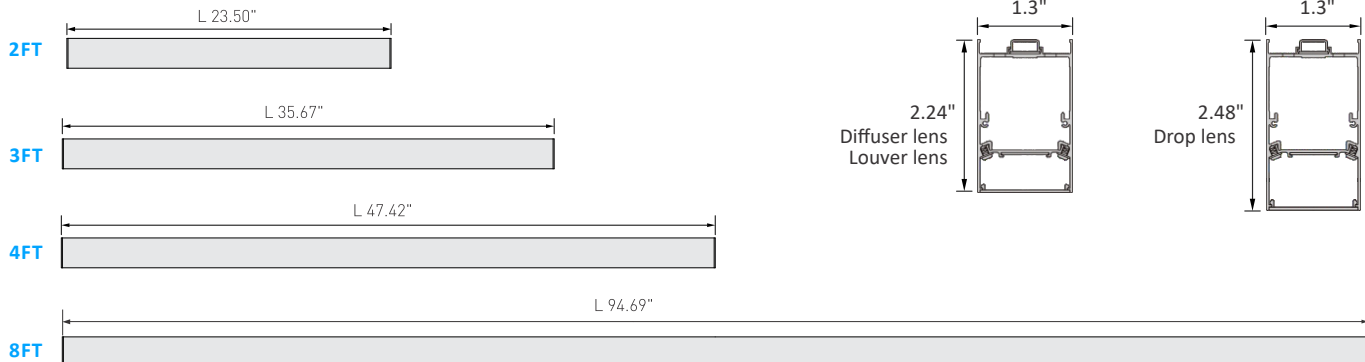
CRI Options: 90+ CRI Standard

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



Quotations: quotes@jademar.com
To place an order: orders@jademar.com
Tel: (305) 640.0465 | Fax: (305) 640.0468
WWW.JADEMAR.COM



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Project Name/Type:		Date
Catalog/Part #:		

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

ORDERING INFORMATION / EXAMPLE: JADIL-13-CPS-2-20W-WH-LV-50/50%-D10-PM5-SR-NLC-FC

JADIL-13-CPS										
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 4 4 Feet Slim 8 8 Feet Slim XX Custom*	20W 20W/15W/10W Selectable for 2ft 20W 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	Blank CCT adjustable 3000K/3500K/4000K XXX Pls Select the Factory Set value	Blank 90+ CRI (Standard)	WH White (Standard) BK Black CC Custom* *Special order	DF Diffuser LV Louver DL Drop Lens	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) Tested Dimmers: * Lutron Diva-Dvtv, * Leviton IP-710-DL D01 100-277VAC Dims to 1%* *Special order	PM5/PM5-DC 5' Mount Kit Drywall/ Drop Ceiling (Standard) PM12/PM12-DC 12' Mount Kit Drywall/ Drop Ceiling	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 BMWBO Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)

OPTIONAL PENDANT MOUNT ACCESSORIES

Ceiling Type	Canopy	Power Cord & Aircraft Cable	Non-lit Joiner	Other Options
DW Dry ceiling Mount to J-box TF Drop ceiling clips for 9/16" and 15/16" flat ceiling TS Drop ceiling clips for 9/16" slot Ceiling TX Drop ceiling clips for 15/16" slot Ceiling	RDWH 1.6" Round & White 4.5" Round & White (Designed for power cable) SQWH 1.6" Square & White 4.5" Square & White (Designed for power cable) RDBL 1.6" Round & Black 4.5" Round & Black (Designed for power cable) SQBL 1.6" Square & Black 4.5" Square & Black (Designed for power cable)	C05WH 4 ft white power cord + 5ft aircraft cable C12WH 12 ft white power cord + 12ft aircraft cable C05BL 4 ft black power cord + 5ft aircraft cable C12BL 12 ft black power cord + 12ft aircraft cable	Blank No Joiner SJ Straight Line Joiner (Optional 40' rolling diffuser) LJ "L" Joiner TJ "T" Joiner +J "+" Joiner YJ "Y" Joiner VJ "V" Joiner* *Special order	Blank Not BAA/BABA EM16/EM25 Emergency Function (Only external 16w or 25w LED emergency driver with standard indicator available and need field-installed.) OCC Sensor Function (Built-in occupancy sensor in 5.8inch round canopy) BAA Buy American Act* *Selected SKUs Only BABA Build America, Buy America* *Selected SKUs Only



Canopy Kits



Power Cord Kits
4 FT Standard (12FT Available)



Aircraft Cable Kits
5FT Standard (12FT Available)

ADDITIONAL PENDANT ACCESSORIES FOR DROP CEILING



Junction Box



T-grid Clips
For 9/16" and 15/16" Flat Ceiling (2 Clips/Set)



T-grid Clips
For 9/16" Slot Ceiling (2 Clips/Set)



T-grid Clips
For 15/16" Slot Ceiling (2 Clips/Set)



Project Name/Type:		Date
Catalog/Part #:		

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

ORDERING INFORMATION / EXAMPLE: JADIL-13-S08-WH-D10-DW-RDWH-C05WH

Shape / Length* (Enter Length in FT)	Finish	0-10V Dim	Ceiling Type	Canopy	Power Cord & Aircraft Cable	Control Options
JADIL-13-C_ _ Individual 6ft/ up to 8ft Continuous Run Section (Enter length in product code above, ex. C18)	WH White	D10 110-277VAC Dims to 10% Tested Dimmers: * Lutron Diva-Dvtv, * Leviton IP-710-DL	DW Dry ceiling Mount to J-box	RDWH 1.6" Round & White 4.5" Round & White (Designed for power cable)	C05WH 4 ft white power cord + 5ft aircraft cable	Blank No Controller/Sensor
JADIL-13-S_ _ Square Configuration (Enter side length A, ex: S18)	BK Black	D01 110-277VAC Dim to 1%	TF Drop ceiling clips for 9/16" and 15/16" flat ceiling	SQWH 1.6" Square & White 4.5" Square & White (Designed for power cable)	C12WH 12 ft white power cord + 12ft aircraft cable	SR-NLC-XX Silvair Fixture Controller/ Sensor
JADIL-13-R_ _ / _ _ Rectangular Configuration (Enter side lengths A and B, ex. R12/24)	CM Custom*		TS Drop ceiling clips for 9/16" slot Ceiling	RDBL 1.6" Round & Black 4.5" Round & Black (Designed for power cable)	C05BL 4 ft black power cord + 5ft aircraft cable	CB-NLC-XX Casambi Fixture Controller/ Sensor
JADIL-13-L_ _ / _ _ L-Shaped Configuration (Enter side lengths A and B, ex. L12/24)			TX Drop ceiling clips for 15/16" slot Ceiling	SQBL 1.6" Square & Black 4.5" Square & Black (Designed for power cable)	C12BL 12 ft black power cord + 12ft aircraft cable	BN-NLC-XX BubblyNet Fixture Controller/ Sensor
JADIL-13-T_ _ / _ _ / _ _ T-Shaped Configuration (Enter side lengths A,B and C, ex. T02/02/04)						BMWO Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)
JADIL-13+_ _ / _ _ / _ _ / _ _ Cross-Shaped Configuration (Enter side lengths A, B,C and D, ex. +02/02/02/02)						
JADIL-13-Y_ _ / _ _ / _ _ Y-Shaped Configuration (Enter side lengths A,B and C, ex. Y04/04/04)						
JADIL-13-H_ _ Hexagon-Shaped Configuration (Enter side lengths A, ex. H4)*						

JADIL-13-S_ _
Square Configuration
(Enter side length A, ex: S18)

JADIL-13-R_ _ / _ _
Rectangular Configuration
(Enter side lengths A and B,
ex. R12/24)

JADIL-13-L_ _ / _ _
L-Shaped Configuration
(Enter side lengths A and B,
ex. L12/24)

JADIL-13-T_ _ / _ _ / _ _
T-Shaped Configuration
(Enter side lengths A,B and
C, ex. T02/02/04)

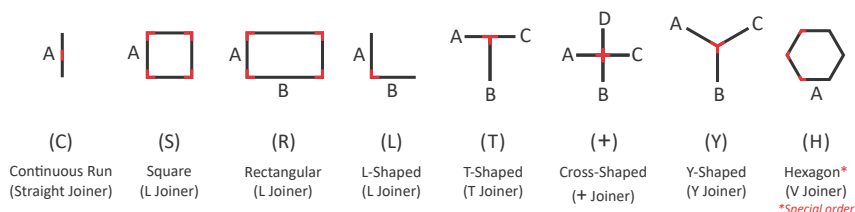
JADIL-13+_ _ / _ _ / _ _ / _ _
Cross-Shaped Configuration
(Enter side lengths A, B,C and
D, ex. +02/02/02/02)

JADIL-13-Y_ _ / _ _ / _ _
Y-Shaped Configuration
(Enter side lengths A,B and
C, ex. Y04/04/04)

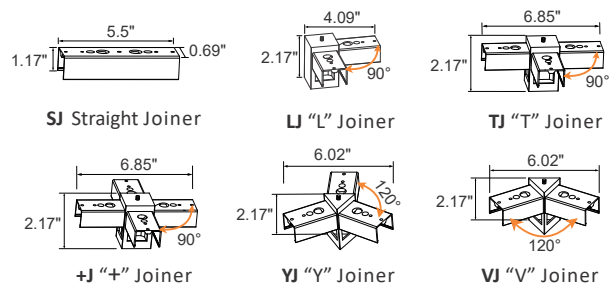
JADIL-13-H_ _
Hexagon-Shaped
Configuration
(Enter side lengths A, ex. H4)*

*Special order

SHAPES PATTERNS AND JOINERS



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, please contact JADEMAR LIGHTING.



Other Options

Blank
Not BAA/BABA

EM16/EM25
Emergency Function
(Only external 16W or 25W LED emergency driver with standard indicator
available and need to be field installed)

OCC
Sensor Function
(Built-in occupancy sensor in 5.8inch round canopy)

BAA
Buy American Act*

*Selected SKUs Only

BABA
Build America, Buy America*

*Selected SKUs Only

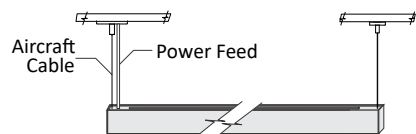


JADIL-43F-PCDIFF
43" "Continuous"
Rolling Diffusing Lens

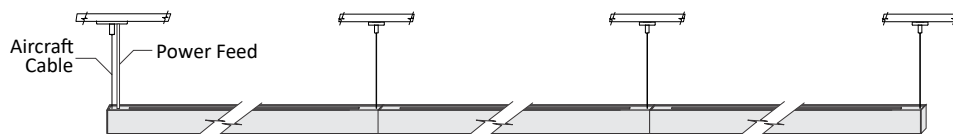


SINGLE RUN, CONTINUOUS RUN

Single Run



Continuous Run



Single or continuous run, up to 40ft in 120VAC, 100ft in 277VAC

STANDARD LINE RUNS IN 120V

Luminaire Run Length (ft)	Run Configuration	Line Joiner(s) Quantity	5' Power Cable	5' Aircraft Cable	Canopies
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	4	4
26	8'+8'+8'+2'	3	1	5	5
28	8'+8'+8'+4'	3	1	5	5
30	8'+8'+8'+4'+2'	4	1	6	6
32	8'+8'+8'+8'	3	1	5	5
34	8'+8'+8'+8'+2'	4	1	6	6
36	8'+8'+8'+8'+4'	4	1	6	6
38	8'+8'+8'+8'+4'+2'	5	1	7	7
40	8'+8'+8'+8'+8'	4	1	6	6

Note: 4.5" canopy is designed for power cable



LUMEN PERFORMANCE AND ELECTRICAL DATA

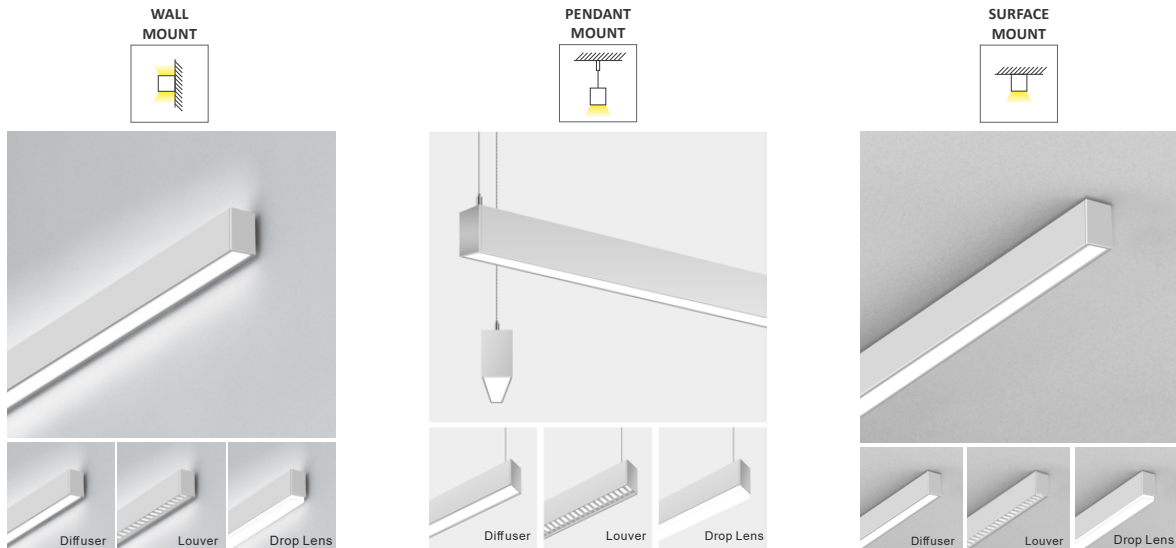
Model Numbers	JADIL-13-CPS			
Size	2FT	3FT	4FT	8FT
Light Distribution	Direct Light (100% Down)			
CCT	Selectable: 3000K / 3500K / 4000K			
Lens	Diffuser			
Wattage	20W/15W/10W	30W/23W/15W	40W/30W/20W	80W/60W/40W
Lumen Output	Up to 1600 lm	Up to 2400 lm	Up to 3200 lm	Up to 6400 lm
Average Efficacy (lm/ft)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

Model Numbers	JADIL-13-CPS			
Size	2FT	3FT	4FT	8FT
Light Distribution	Direct / Indirect Light (25% Up / 75% 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 1700 lm	Up to 2600 lm	Up to 3400 lm	Up to 6800 lm
Average Efficacy (lm/ft)	850 lm/ft			
Lens	Louver			
Wattage	20W/15W/10W	30W/23W/15W	40W/30W/20W	80W/60W/40W
Lumen Output	Up to 1500 lm	Up to 2300 lm	Up to 3000 lm	Up to 6000 lm
Average Efficacy (lm/ft)	750 lm/ft			
Lens	Drop Lens			
Wattage	20W/15W/10W	30W/23W/15W	40W/30W/20W	80W/60W/40W
Lumen Output	Up to 2000 lm	Up to 3000 lm	Up to 4000 lm	Up to 8000 lm
Average Efficacy (lm/ft)	1000 lm/ft			
Ratio				

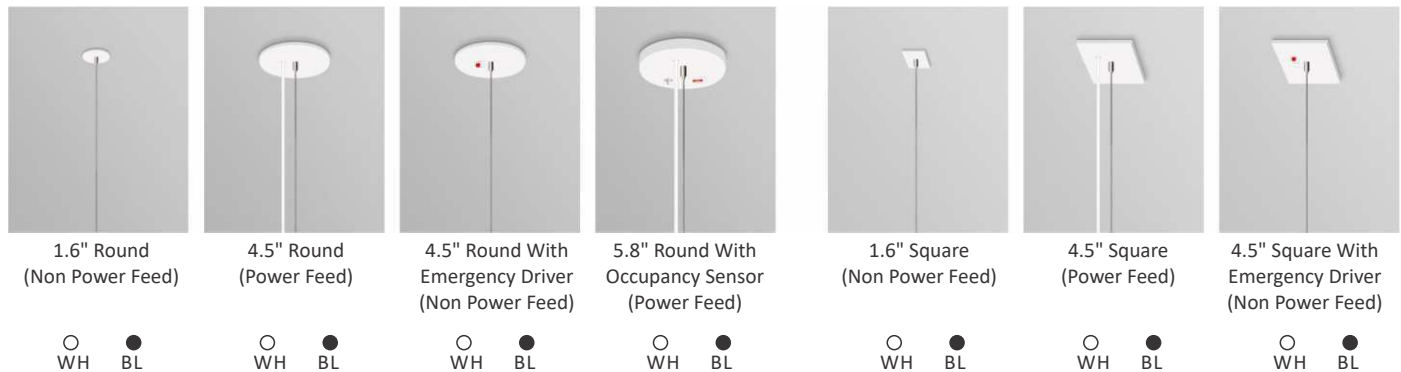
Note: Lumens are subject to maximum wattage, 4000K with white finish only.
Lumen output may vary $\pm 5\%$ base on different CCT and wattage. Actual wattage may vary $\pm 5\%$.



ALL MOUNTING OPTIONS

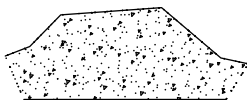
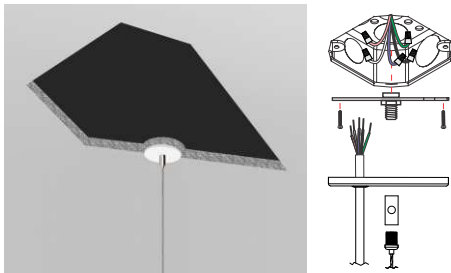


PENDANT CANOPY STYLE



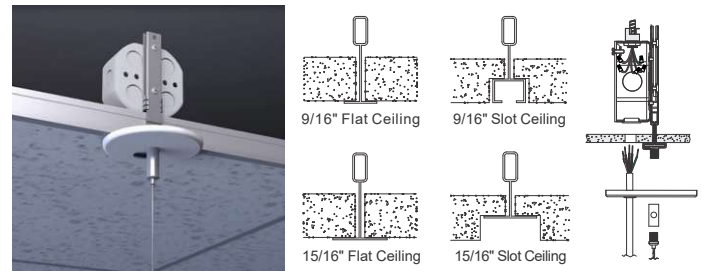
DRY CEILING / OFF GRID

"Various Hard Ceilings" (Mount to J-box)



DROP CEILING / ON GRID

Suspending the luminaire in the T-grid. Compatible for various T-grid, including 9/16" Flat, 9/16" Slot, 15/16" Flat and 15/16" Slot.



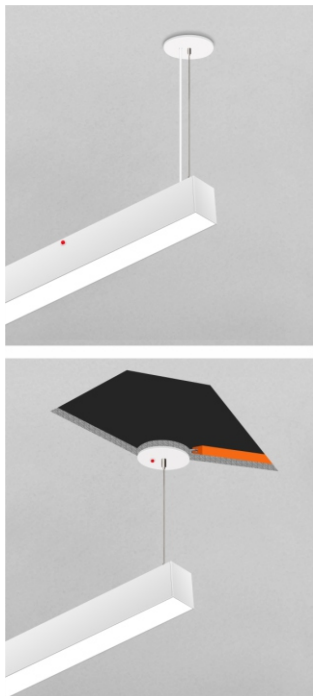
*Please see the installation instruction for more details.



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



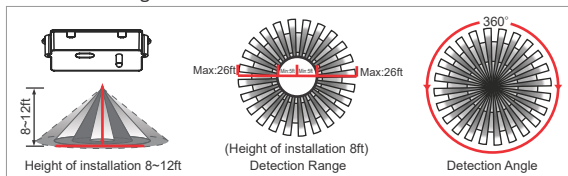
BMW

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.

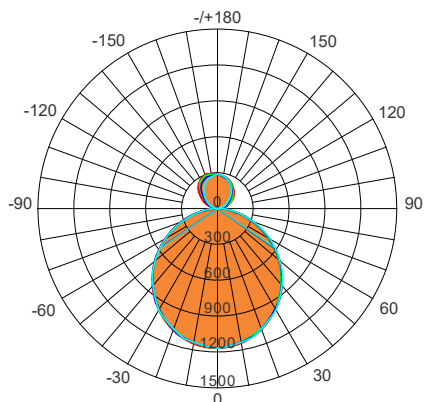
Power Supply	120/277 VAC 50/60Hz
Maximum load @ 40°F to +158°F (-40°C to +70°C)	Resistive/ Tungsten - 600W @ 120V Electronic Ballast(LED) - 800VA @ 120V /1200VA @ 277V
HF System	5.8GHz CW
Dim Control Output	0-10V, max .25mA sinking current
Detection Radius / angle	Max 26ft.(8m) /360
Mounting Height	Max 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/4000K



AVERAGE BEAM ANGLE(50%): 110.6

Lumens: 3988.37 Lm
Watts: 40 W
LPW: 95.24 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 110.5°
— C30/270, 110.0°
— C60/240, 110.7°
— C90/270, 111.1°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1161	1153	1152	1155	1164
10	1143	1132	1135	1136	1149
15	1113	1105	1118	1111	1122
20	1074	1075	1072	1082	1085
25	1025	1022	1025	1031	1038
30	967.0	962.6	979.2	973.0	982.2
35	901.2	901.1	909.2	913.3	918.5
40	828.7	835.1	839.2	832.5	847.7
45	750.3	752.6	769.3	667.9	770.7
50	666.2	669.8	682.1	530.6	687.8
55	577.9	587.1	594.9	428.2	600.2
60	485.9	490.2	507.8	343.0	508.6
65	390.8	395.5	411.5	265.1	414.4
70	295.6	302.0	315.1	196.2	319.2
75	203.8	209.1	218.8	135.3	216.6
80	116.8	123.2	146.5	79.88	73.23
85	41.84	62.64	74.14	40.19	23.29
90	2.992	3.212	1.821	1.957	1.958
95	4.106	18.65	10.98	14.65	1.139
100	18.52	34.76	20.13	28.05	10.79
105	40.60	62.17	29.29	55.27	44.13
110	73.56	89.60	48.53	83.83	83.85
115	121.2	110.1	67.77	110.3	124.3
120	144.1	127.3	87.00	137.9	146.4
125	165.4	145.1	110.7	167.9	172.6
130	181.9	161.8	134.3	191.6	201.7
135	197.1	179.0	158.0	216.4	229.4
140	211.4	197.4	180.1	240.0	251.8
145	225.1	213.2	202.3	255.6	268.4
150	238.9	228.6	224.4	269.9	286.9
155	252.7	244.2	239.9	283.5	292.6
160	264.3	257.7	255.4	292.9	301.3
165	272.5	265.0	270.9	293.2	302.1
170	278.2	272.6	277.0	292.1	295.6
175	283.7	280.6	283.1	289.8	284.5
180	289.2	289.2	289.2	289.2	286.8
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	27.74
5-10	109.7
10-15	243.0
15-20	423.2
20-25	643.4
25-30	896.1
30-35	1173
35-40	1463
40-45	1755
45-50	2038
50-55	2302
55-60	2540
60-65	2746
65-70	2914
70-75	3040
75-80	3125
80-85	3173
85-90	3189
90-95	3193
95-100	3203
100-105	3222
105-110	3253
110-115	3296
115-120	3348
120-125	3408
125-130	3474
130-135	3545
135-140	3619
140-145	3692
145-150	3762
150-155	3826
155-160	3881
160-165	3962
165-170	3959
170-175	3979
175-180	3986
	UNIT: lm

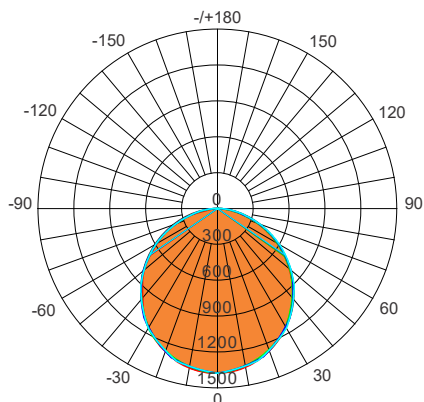
Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	11429	20254
80	16017	20082
75	18749	20126
70	20578	21937
65	22015	23181
60	23138	24181
55	23988	24697
50	24678	25266
45	25264	25902



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				

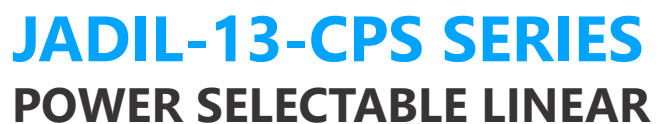
Zonal Lumens

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



[illegible]

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