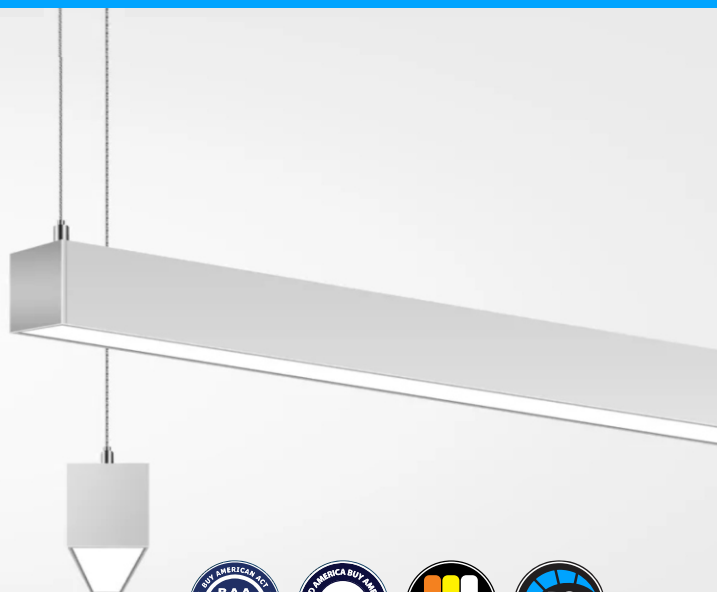


JADIL-38-CPS SERIES

PENDANT MOUNT ARCHITECTURAL CCT & POWER SELECTABLE LINEAR SERIES



FEATURES

- 80+ CRI Standard / 90+ CRI Optional
- CCT and Wattage selectable
- Aluminum housing
- 0-10V dimming, dim to 10% or 1% options
- 12V Auxiliary
- Available with diffuser and regressed 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

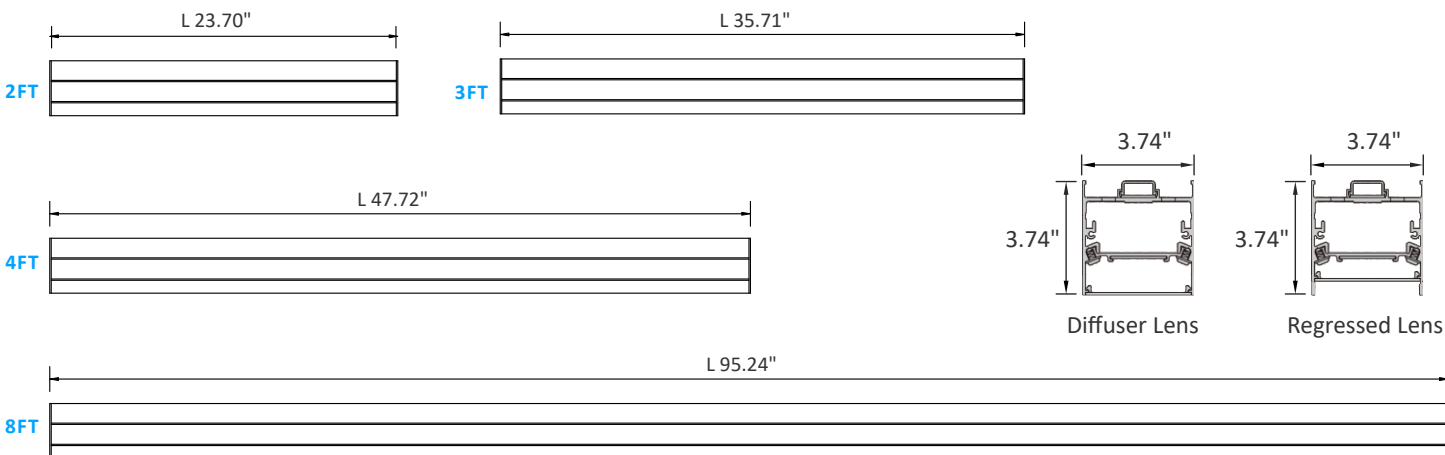
CRI Options: 80+ CRI Standard / 90+ CRI Optional

Input Voltage: CC 120-277VAC Internal driver

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

Warranty: 10 Years Limited

DIMENSIONS



Project Name/Type:		Date
Catalog/Part #:		

JADIL-38-CPS SERIES SINGLE/CONTINUOUS RUN PENDANT MOUNT ARCHITECTURAL

ORDERING INFORMATION / EXAMPLE: JADIL-38-CPS2-20W-80-WH-DF-50/50-D01-PM5-SR-NLC-FC

JADIL-38-CPS										
Product Series	Length	Wattage	CCT	CRI	Finish	Down Lens	Light Distribution	Dimming	Mounting	Control Options
JADIL-38-CPS	2 2 Feet Wide 3 3 Feet Wide 4 4 Feet Wide 8 8 Feet Wide XX Custom*	20W 20W/15W/10W Selectable for 2ft 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 XXK Pls Select the Factory Set value	80 80+ CRI (Standard) 90 90+ CRI* *Special order	WH White (Standard) BK Black CC Custom* *Special order	DF Diffuser RL Regressed Lens (White Shade)	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-Dvlt, * 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 BubbyNet Fixture Controller/Sensor BMWO Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)

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

OPTIONAL PENDANT MOUNT ACCESSORIES

Ceiling Type	Canopy	Power Cord & Aircraft Cable	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	SJ Straight Line Joiner (Optional 40' rolling diffuser) LJ/LLJ "L" Joiner* (LJ for Non-lit, LLJ for Lit) TJ "T" Joiner* +J "+ " Joiner* YJ "Y" Joiner* VJ "V" Joiner* *Special order	Blank Not BAA/BABA EM18 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.) 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



Junction Box



Power Cord Kits

4 FT Standard (12FT Available)



Aircraft Cable Kits

5FT Standard (12FT Available)



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 #:		

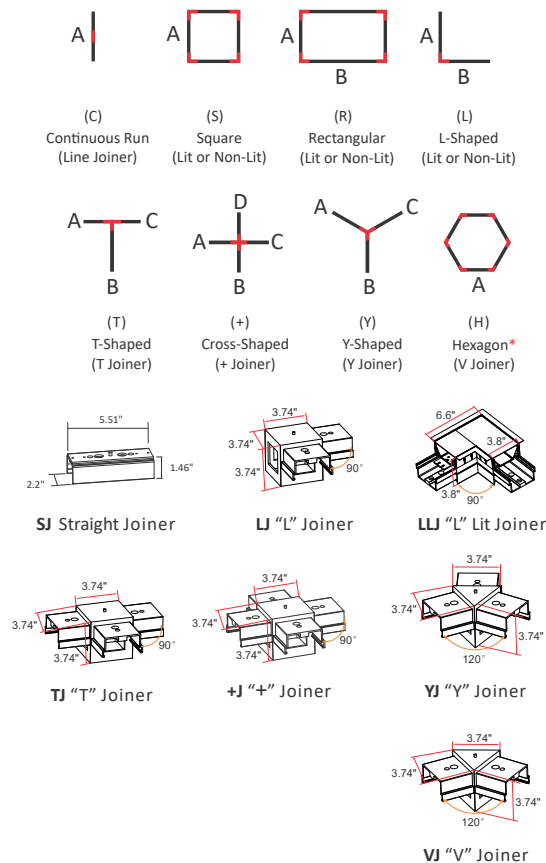
SQUARE, RECTANGULAR, L, T, X, Y & H DESIGN FOR PENDANT MOUNT

ORDERING INFORMATION / EXAMPLE: JADIL-38-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-38-C_ _ Individual 6ft/ up to 8ft Continuous Run Section (Enter length in product code above, ex. C18) JADIL-38-S_ _ Square Configuration (Enter length A, ex: S18)* JADIL-38-SL_ _ Lit Square Configuration (Enter length A, ex: S18) JADIL-38-R_ _ / _ _ Rectangular Configuration (Enter side lengths A and B, ex. R12/24)* JADIL-38-RL_ _ / _ _ Lit Rectangular Configuration (Enter side lengths A and B, ex. R12/24) JADIL-38-L_ _ / _ _ L-Shaped Configuration (Enter side lengths A and B, ex. L12/24)* JADIL-38-LL_ _ / _ _ Lit L-Shaped Configuration (Enter side lengths A and B, ex. L12/24) JADIL-38-T_ _ / _ _ / _ _ T-Shaped Configuration (Enter side lengths A,B and C, ex. T02/02/04)* JADIL-38+_ _ / _ _ / _ _ / _ _ Cross-Shaped Configuration (Enter side lengths A, B,C and D, ex. +02/02/02/02)* JADIL-38-Y_ _ / _ _ / _ _ Y-Shaped Configuration (Enter side lengths A,B and C, ex. Y04/04/04)* JADIL-38-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% <i>Tested Dimmers:</i> * Lutron Diva-Dvtv, * Leviton IP-710-DL, D01 110-277V AC Dim to 1%	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 Controller/Sensor SR-NLC-XX Silvair Fixture Controller/ Sensor CB-NLC-XX Casambi Fixture Controller/ Sensor BN-NLC-XX BubblyNet Fixture Controller/ Sensor BMW0 Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)
Other Options						
Blank Not BAA/BABA EMI8 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.) OCC Sensor Function (Built-in occupancy sensor in 5.8inch round canopy) BAA Buy American Act* <i>*Selected SKUs Only</i> BABA Build America, Buy America* <i>*Selected SKUs Only</i>						

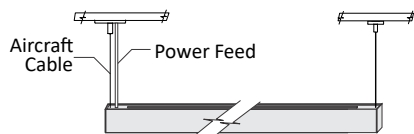
Shape orientation Looking from the Ceiling down to the floor. All corners of shape must be 90° or 120°, same plane. Joiners and rolling lens will be included. For more complex shape, CONTACT JADEMAR LIGHTING.

SHAPES PATTERNS AND JOINERS

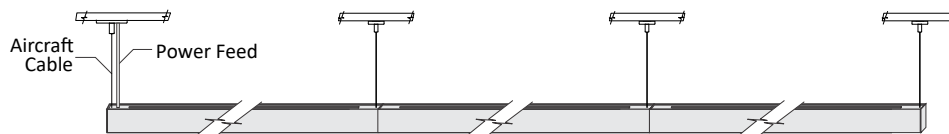


SINGLE RUN, CONTINUOUS RUN

Single Run



Continuous Run



120VAC: Connections up to 40ft.
277VAC: Connections up to 100ft.

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

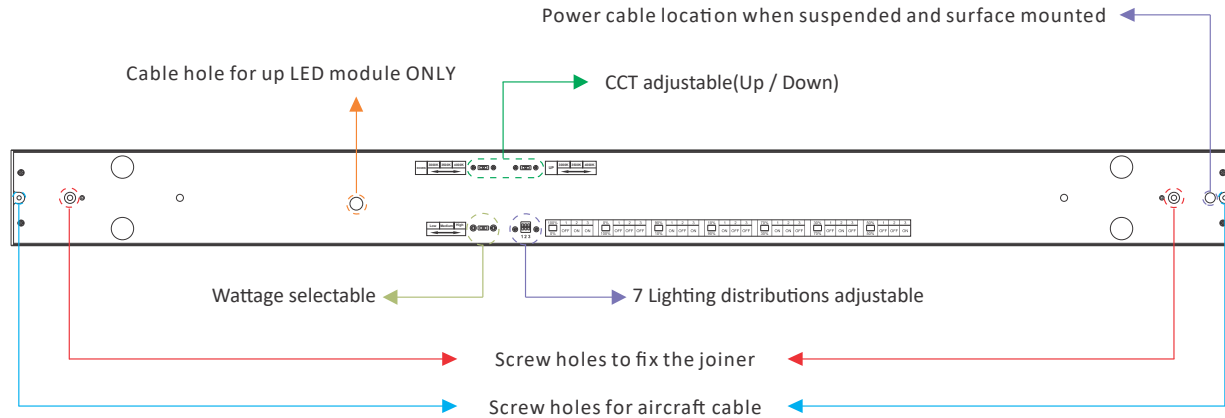
Model Numbers	JADIL-38-CPS			
Size	2FT	3FT	4FT	8FT
Light Distribution	Direct Light (100% Down)			
CCT	Selectable: 3000K / 3500K / 4000K			
Lens	Diffuser			
Wattage	20W/15W/10W	30W/23W/15W	40W/30W/20W	80W/60W/40W
Lumen Output	Up to 2200 lm	Up to 3300 lm	Up to 4400 lm	Up to 8800 lm
Average Efficacy (lm/ft)	1100 lm/ft			
Lens	Regressed Lens			
Wattage	20W/15W/10W	30W/23W/15W	40W/30W/20W	80W/60W/40W
Lumen Output	Up to 1800 lm	Up to 2700 lm	Up to 3600 lm	Up to 7200 lm
Average Efficacy (lm/ft)	900 lm/ft			

Model Numbers	JADIL-38-CPS			
Size	2FT	3FT	4FT	8FT
Light Distribution	Direct / Indirect Light (50% Up / 50% 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 2400 lm	Up to 3600 lm	Up to 4800 lm	Up to 9600 lm
Average Efficacy (lm/ft)	1200 lm/ft			
Lens	Regressed 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 $\pm 5\%$.

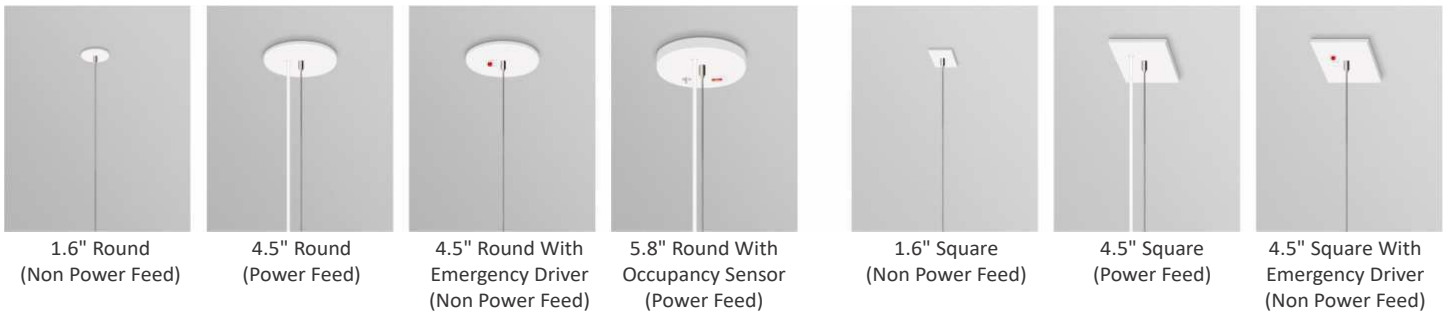


FIELD ADJUSTABLE SETTINGS & TECHNICAL LAYOUT



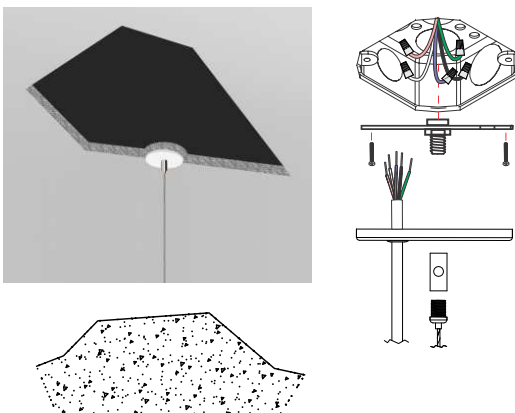
PENDANT CANOPY STYLES

All canopies are available in White and Black colors



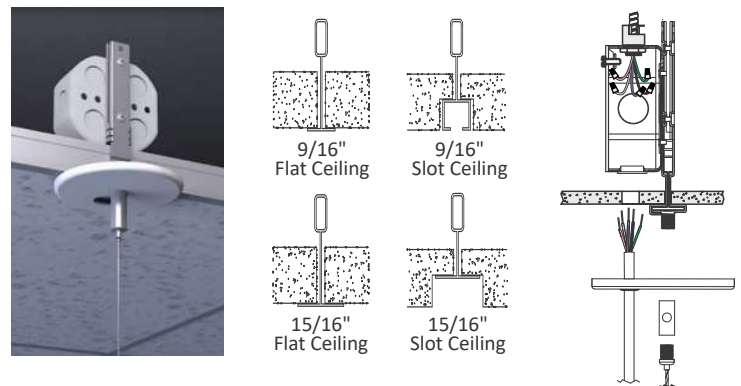
DRY CEILING / OFF GRID

J-Box Mounting: Drywall / Hard Surfaces



DROP CEILING / ON GRID

Universal T-Grid Suspension. Grid Compatibility: 9/16" & 15/16" Systems



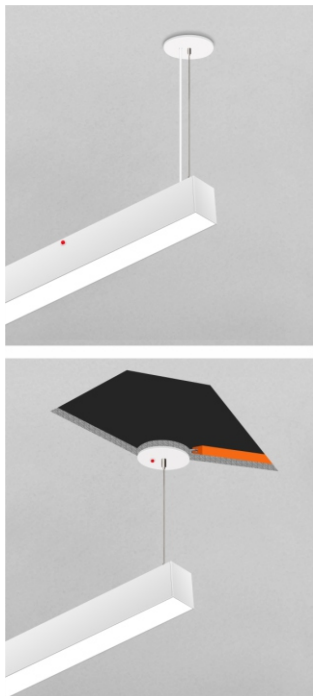
For additional information, please refer to the product Installation Instructions.



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



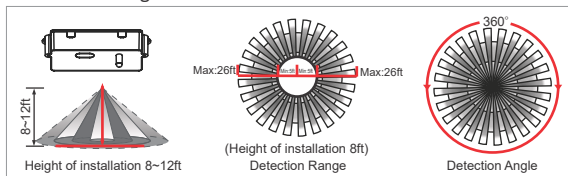
BMW

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



OPTIONAL FUNCTIONS

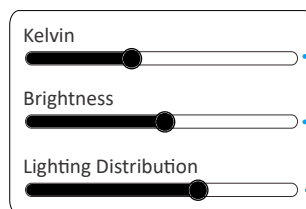
LIGHTING CONTROL OPTIONS



Smart Control

CASAMBI
BubblyNet.
SILVAIR

SMART CONTROL BY APP OR WALL SWITCH



Tunable White 2700K-5000K

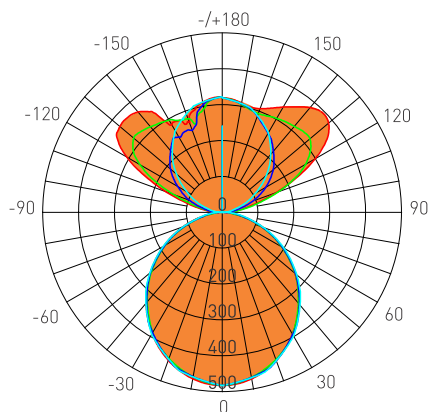
Brightness Control Dim to OFF

Lighting Distribution Direct And Indirect
0%~100%



PHOTOMETRY

2' / Diffuser / 50% Up, 50% Down / 3500K



AVERAGE BEAM ANGLE(50%): 360.0°

Watts: 20.20 W
LPW: 118.66 Lm/W
CCT: 3500K

UNIT: cd
— C0/180, 360°
— C30/210, 360°
— C60/240, 360°
— C90/270, 360°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	480.0	476.3	475.6	476.2	479.9
10	471.7	467.1	468.3	467.1	471.4
15	458.1	455.4	461.1	455.4	457.7
20	439.9	441.7	440.2	441.7	439.4
25	417.5	417.6	419.2	418.0	416.9
30	391.8	391.0	398.3	391.9	390.9
35	363.0	363.6	368.0	365.3	362.0
40	332.1	334.9	337.8	337.3	330.9
45	299.2	299.6	307.5	302.5	297.9
50	264.8	264.9	271.1	266.9	261.4
55	229.1	230.5	234.7	229.9	225.7
60	192.3	191.6	198.3	186.2	189.0
65	154.5	153.7	160.0	144.2	151.5
70	115.6	116.0	121.7	105.9	113.7
75	78.55	78.56	83.37	71.61	76.61
80	44.19	44.90	55.82	40.99	42.31
85	15.99	28.09	28.28	21.25	14.41
90	15.22	11.90	0.7287	2.242	12.51
95	35.04	33.20	12.77	23.78	37.18
100	60.69	54.28	24.80	45.12	64.58
105	99.67	93.03	36.84	82.14	106.0
110	158.5	132.5	60.57	120.4	165.6
115	227.6	168.8	84.29	158.5	234.9
120	299.8	200.0	108.0	193.0	306.6
125	356.5	225.4	134.4	221.7	357.3
130	387.1	241.2	160.9	239.8	372.3
135	393.9	254.1	187.3	254.6	373.5
140	381.2	265.5	210.7	267.3	365.7
145	359.2	269.4	234.1	271.3	343.0
150	339.3	273.3	257.4	274.3	281.6
155	320.4	279.9	272.5	279.5	283.2
160	307.7	289.3	287.6	288.6	266.4
165	304.0	297.1	302.7	296.4	296.3
170	309.1	306.7	308.3	306.0	312.3
175	317.2	314.2	313.8	314.1	320.0
180	319.4	319.4	319.4	319.4	322.4
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	11.45
5-10	45.19
10-15	99.93
15-20	173.6
20-25	263.1
25-30	365.1
30-35	476.2
35-40	592.0
40-45	708.9
45-50	822.9
50-55	929.9
55-60	1026
60-65	1109
65-70	1176
70-75	1225
75-80	1257
80-85	1275
85-90	1283
90-95	1293
95-100	1312
100-105	1344
105-110	1395
110-115	1465
115-120	1555
120-125	1657
125-130	1766
130-135	1874
135-140	1976
140-145	2069
145-150	2152
150-155	2224
155-160	2284
160-165	2332
165-170	2367
170-175	2390
175-180	2397
UNIT: lm	

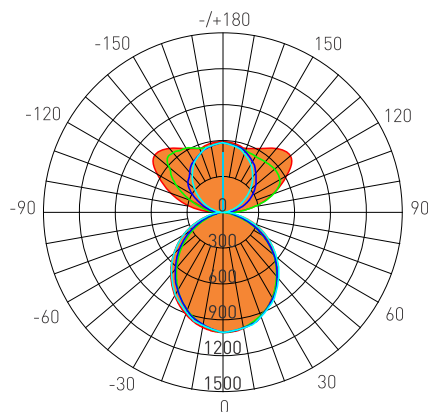
Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	3219	5692
80	4464	5640
75	5324	5651
70	5931	6242
65	6413	6642
60	6746	6958
55	7009	7180
50	7227	7400
45	7422	7630



PHOTOMETRY

4' / Diffuser / 50% Up, 50% Down / 3500K



AVERAGE BEAM ANGLE[50%]: 360.0°

Watts: 38.09 W
LPW: 127.32 Lm/W
CCT: 3500K

UNIT: cd
— C0/180, 360°
— C30/210, 360°
— C60/240, 360°
— C90/270, 1360°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1001	995.5	994.1	993.2	997.5
10	985.9	979.4	982.7	976.1	978.0
15	959.5	957.4	971.4	954.2	948.0
20	922.8	930.4	930.2	928.7	908.6
25	877.6	881.1	889.1	881.4	860.7
30	824.9	825.2	847.9	828.4	805.8
35	766.0	767.4	785.6	774.5	744.9
40	702.0	705.4	723.4	715.9	679.5
45	634.0	626.7	661.2	626.9	610.3
50	562.9	547.9	585.6	529.5	537.9
55	489.1	468.4	509.9	436.6	462.9
60	412.5	375.5	434.3	356.4	385.9
65	334.3	283.5	352.1	288.2	307.2
70	255.0	196.2	269.8	229.0	226.0
75	176.9	116.2	187.6	174.8	149.1
80	102.6	50.45	126.2	123.9	79.05
85	41.43	51.97	64.87	78.05	24.44
90	39.66	55.80	3.506	33.07	18.92
95	78.44	118.6	25.48	37.75	58.94
100	134.8	178.6	47.45	43.61	93.80
105	222.7	247.3	69.43	98.71	179.3
110	345.7	310.6	113.6	166.4	288.0
115	481.7	359.1	157.7	257.7	439.9
120	610.5	395.5	201.8	362.8	579.1
125	697.6	426.6	250.0	459.6	701.3
130	736.0	446.3	298.1	529.3	799.8
135	728.7	463.7	346.3	577.7	830.5
140	693.0	480.9	387.2	608.6	814.5
145	653.3	492.5	428.2	609.9	767.4
150	618.0	508.6	469.1	602.6	711.4
155	586.7	530.3	496.6	592.2	654.0
160	566.5	551.7	524.1	581.7	608.0
165	563.9	559.8	551.5	565.4	580.4
170	572.6	567.6	561.7	563.1	572.6
175	579.6	575.3	572.0	572.0	580.0
180	582.2	582.2	582.2	582.2	584.4
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	23.83
5-10	94.07
10-15	208.0
15-20	361.3
20-25	547.5
25-30	760.0
30-35	991.2
35-40	1233
40-45	1476
45-50	1712
50-55	1932
55-60	2129
60-65	2298
65-70	2434
70-75	2535
75-80	2603
80-85	2649
85-90	2678
90-95	2707
95-100	2752
100-105	2820
105-110	2918
110-115	3052
115-120	3217
120-125	3409
125-130	3617
130-135	3827
135-140	4028
140-145	4213
145-150	4378
150-155	4519
155-160	4636
160-165	4728
165-170	4794
170-175	4835
175-180	4849
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	4134	6472
80	5140	6321
75	5942	6302
70	6484	6860
65	6878	7244
60	7174	7554
55	7415	7731
50	7615	7921
45	7797	8131



DESIGN CONFIGURATION

