

JADIL-38-CPS SERIES

RECESSED 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)

Recessed Mount

- Lighting distribution type: Direct Down (100%)
- Custom pattern with optional Line L joiner
- Trimless or trim for recessed options

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

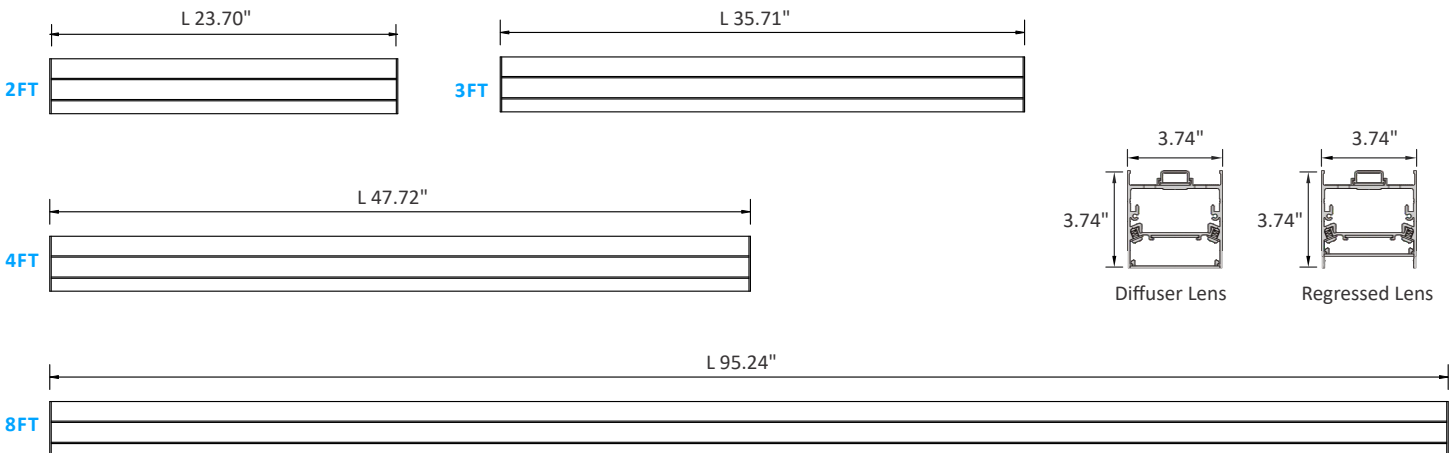
CRI Options: 80+ CRI Standard / 90+ CRI Optional

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 RECESSED MOUNT ARCHITECTURAL

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

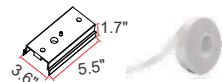
JADIL-38-CPS								D		
Product Series	Length	Wattage	CCT	CRI	Finish	Down Lens	Light Distribution	Dimming	Mounting	Control Options
JADIL-38-CPS	2 2 Feet Wide 3 3 Feet Wide 4 4 Feet Wide 8 8 Feet Wide XX Custom*	20W 20W/15W/10W Selectable for 2ft 30W 30W/23W/15W Selectable for 3ft 40W 40W/30W/20W Selectable for 4ft 80W 80W/60W/40W Selectable for 8ft XXW Pls Select the Factory Set value *Special order	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) 	D 100% down light	D10 100-277VAC Dim to 10% (Standard) Tested Dimmers: * Lutron Diva-Dvlt, * Leviton IP-710-DL D01 100-277VAC Dims to 1%	RT Trim RT1: Mount by flanged trim and bracket in Dry ceiling. RT2: Mount by flanged trim and pendant stem in Dry ceiling. RT3: Mount by flanged trim to lay on T-grid ceiling/Drop ceiling. RS Trimless Mount by trimless flanged kit and need plastering in Dry ceiling. RH Trimless Mount by T-grid hooks to secure in T-grid ceiling / 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 BMWO Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)
Default Settings: Maximum wattage, 4000K and 100% down.										

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

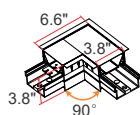
OPTIONAL RECESSED MOUNT ACCESSORIES

Joiner	Other Options
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SJ
Straight Line Joiner
(Optional 40" rolling diffuser)



LJ
Lit "L" Joiner (Diffuser)



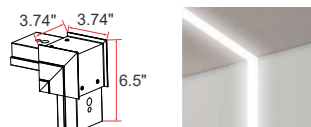
Blank
Not BAA/BABA
EM16/EM25
Emergency Function
(Only external 16w or 25w LED emergency
driver with standard indicator available
and need field-installed.)

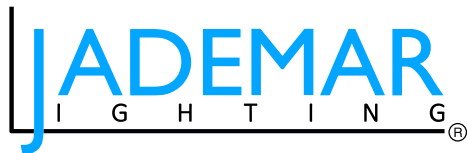
EMD16/EMD25
Emergency Function
(Only external 16w or 25w LED emergency
driver with indicator module available
and need field-installed.)*
**Special order*

OCC
Sensor Function
(Built-in occupancy sensor)*
**Special order*

BAA
Buy American Act*
**Selected SKUs Only*
BABA
Build America, Buy America*
**Selected SKUs Only*

WJ
Ceiling to Wall Joiner





SPECIFICATION SUBMITTAL DETAIL

Project Name/Type:		Date
Catalog/Part #:		

SQUARE, RECTANGULAR, L, T, X, Y & H DESIGN FOR RECESSED MOUNT ORDERING INFORMATION / EXAMPLE: JADIL-38-S-S08-WH-D10

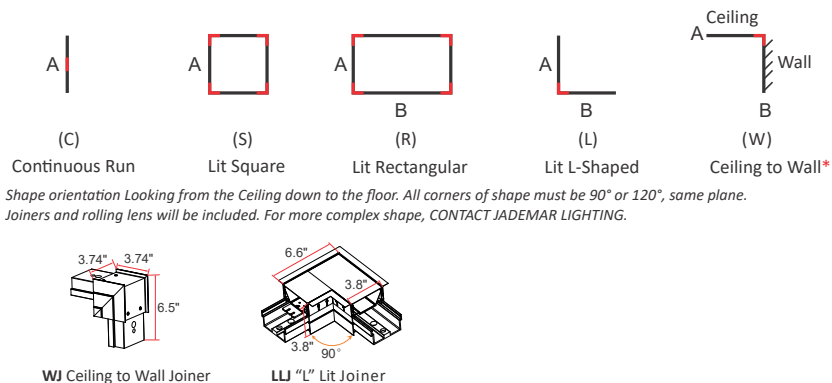
Shape / Length* (Enter length in FT)	Finish	0-10V Dim	Mounting	Control Options	
JADIL-38-R-C__	Individual 6ft/ up to 8ft Continuous Run Section (Enter length in product code above, ex. C18)	WH White	D10 110-277V AC Dims to 10%	RT1 Trim (Mount by flanged trim and bracket in Dry ceiling.)	Blank No Controller/Sensor
JADIL-38-R-S__	Lit Square Configuration (Enter side length A, ex: S18)	BK Black	Tested Dimmers: * Lutron Diva-Dvvt, * Leviton IP-710-DL.	RT2 Trim (Mount by flanged trim and pendant stem in Dry ceiling.)	SR-NLC-XX Silvair Fixture Controller/ Sensor
JADIL-38-R-R__/_	Lit Rectangular Configuration (Enter side lengths A and B, ex. R12/24)	CM Custom*	D01 110-277V AC Dim to 1%	RT3 Trim (Mount by flanged trim to lay on T-grid ceiling/Drop ceiling.)	CB-NLC-XX Casambi Fixture Controller/ Sensor
JADIL-38-R-L__/_	Lit L-Shaped Configuration (Enter side lengths A and B, ex. L12/24)			RS Trimless (Mount by trimless flanged kit and need plastering in Dry ceiling)	BN-NLC-XX BubblyNet Fixture Controller/ Sensor
JADIL-38-S-W__/_	Ceiling to Wall Configuration (Enter side lengths A and B, ex. L12/24)* <i>*Special Order</i>			RH Trimless (Mount by T-grid hooks to secure in T-grid ceiling / Drop ceiling)	BMWO Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)

Other Options

Blank
Not BAA/BABA
EM16/EM25
Emergency Function
(Only external 16w or 25w LED emergency
driver with standard indicator available
and need field-installed.)
EMD16/EMD25
Emergency Function
(Only external 16w or 25w LED emergency
driver with indicator module available
and need field-installed.)*
*Special order

OCC
Sensor Function
(Built-in occupancy sensor)*
*Special order
BAA
Buy American Act*
*Selected SKUs Only
BABA
Build America, Buy America*
*Selected SKUs Only

SHAPES PATTERNS AND JOINERS



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			

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



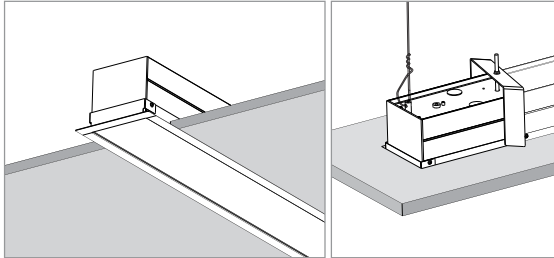
Quotations: quotes@jademar.com
To place an order: orders@jademar.com
Tel: (305) 640.0465 | Fax: (305) 640.0468
WWW.JADEMAR.COM



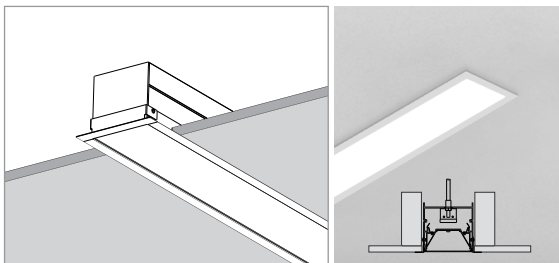
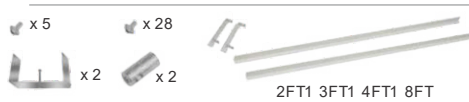
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MOUNTING STYLES

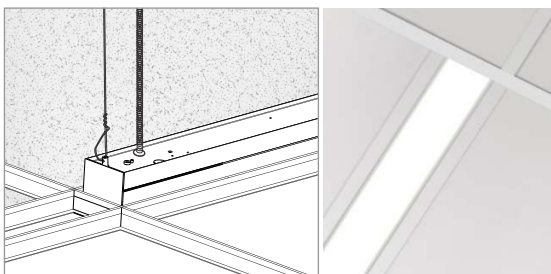
TRIM



RT1: Mount by flanged trim and bracket in Dry ceiling.
Mounting Kits

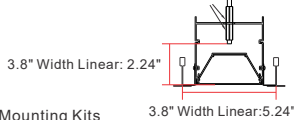


RT2: Mount by flanged trim and pendant stem in Dry ceiling.
Mounting Kits



RT3: Mount by flanged trim to lay on T-grid ceiling/Drop ceiling.

1/4"-20 nut (Supplied by others) 1/4"-20 Threaded rod to structure

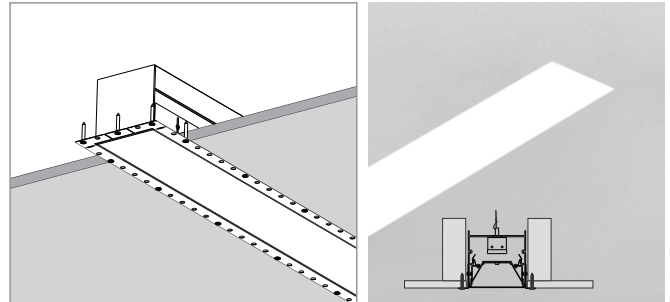


Mounting Kits



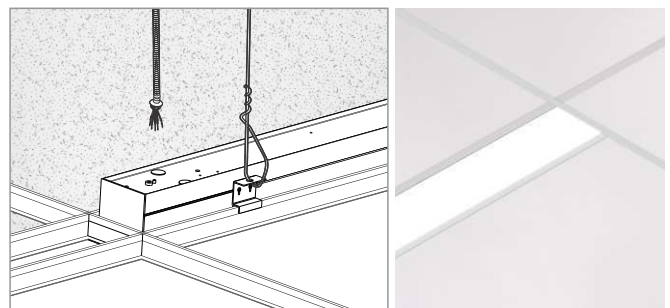
JADIL-38-CPS SERIES POWER SELECTABLE LINEAR

TRIMLESS

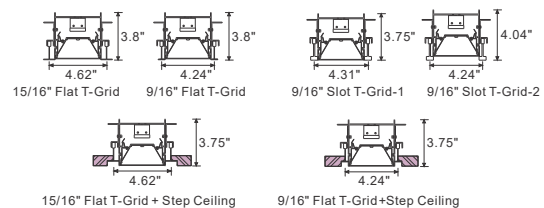


RS: Mount by trimless flanged kit and need plastering in Dry ceiling.

Mounting Kits



RH: Mount by T-grid hooks to secure in T-grid ceiling / Drop ceiling.



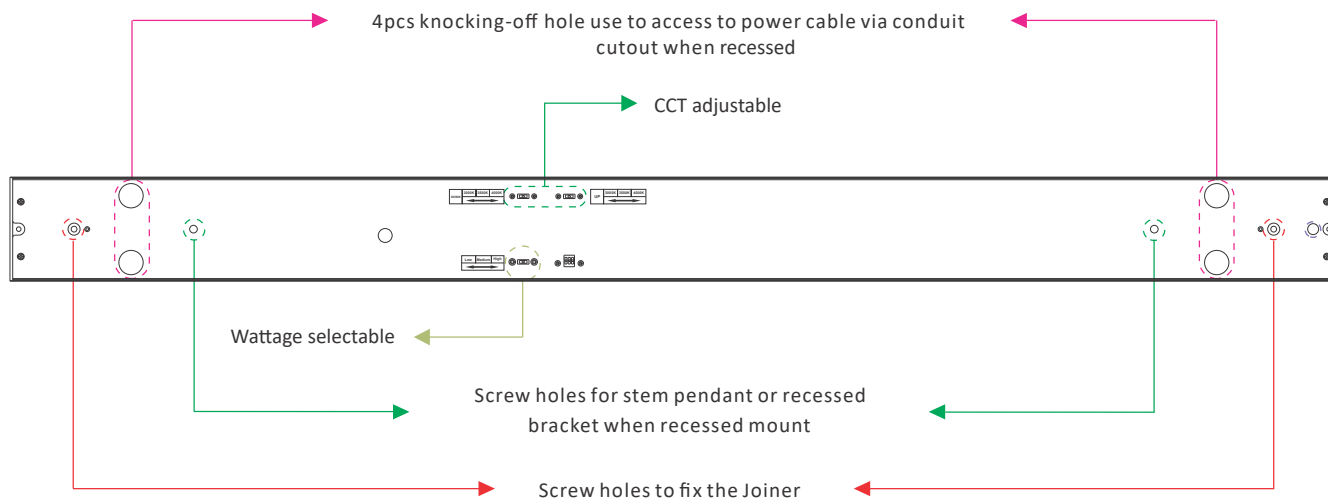
Mounting Kits



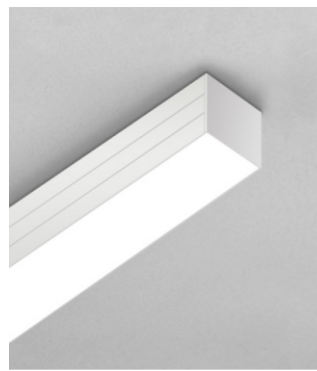
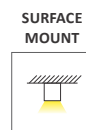
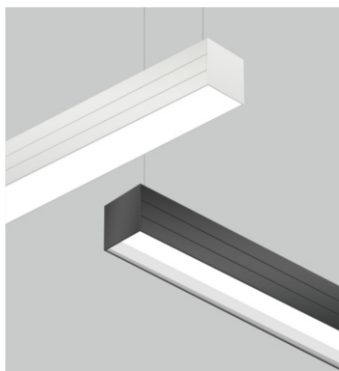
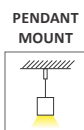
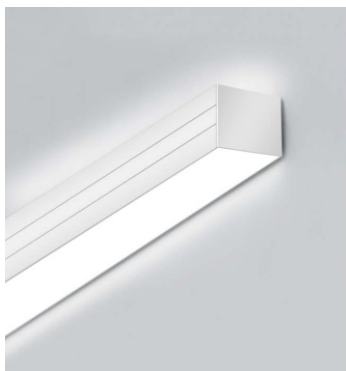
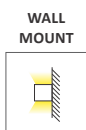
Attention: If do seamless continuous runs in the standard or existing T-Grid ceiling, there will be a gap between the End of fixture and the T-Grid, and the gap should be filled with gypsum ceiling board.



FIELD ADJUSTABLE SETTINGS & TECHNICAL LAYOUT



ALL MOUNTING OPTIONS



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

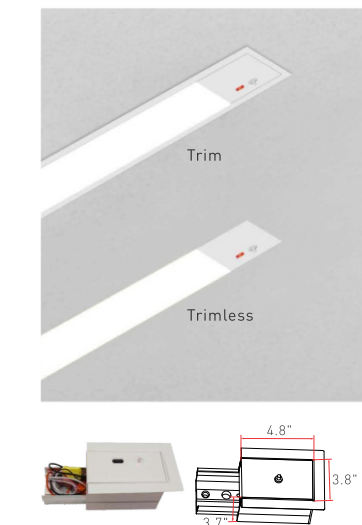
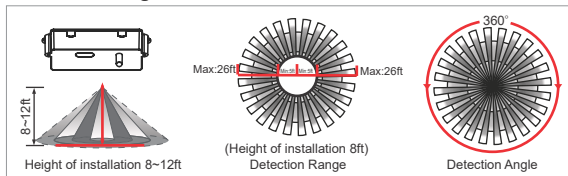
BMW O

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



OPTIONAL FUNCTIONS

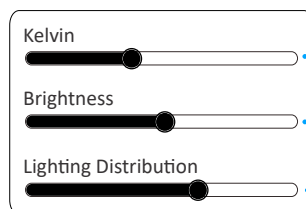
LIGHTING CONTROL OPTIONS



Smart Control

CASAMBI
BubblyNet.
SILVAIR

SMART CONTROL BY APP OR WALL SWITCH



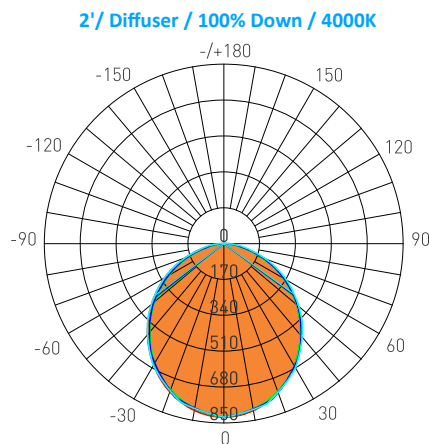
Tunable White 2700K-5000K

Brightness Control Dim to OFF

Lighting Distribution Direct And Indirect
0%~100%



PHOTOMETRY



Lumens: 2193.4 Lms
Watts: 21.11 W
LPW: 103.91 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 106.4°
— C30/210, 104.4°
— C60/240, 105.3°
— C90/270, 107.4°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	817.3	811.1	809.9	810.9	817.0
10	803.4	795.8	798.0	795.8	802.6
15	780.5	776.0	786.0	776.1	779.3
20	749.5	752.5	750.5	753.2	748.0
25	711.4	711.7	715.1	713.2	709.7
30	667.7	666.3	679.6	668.9	665.3
35	619.1	619.8	628.1	623.7	616.2
40	566.4	570.5	576.7	576.3	563.1
45	510.3	510.1	525.2	518.2	506.9
50	451.7	450.2	464.0	459.1	447.9
55	391.0	390.7	402.7	397.3	386.9
60	328.2	322.2	341.5	323.9	324.0
65	263.8	255.2	275.1	253.3	257.6
70	199.2	189.0	208.8	188.9	193.0
75	134.4	124.2	142.4	130.8	129.7
80	75.63	65.54	95.30	78.27	71.26
85	27.40	33.35	48.19	41.33	23.78
90	0.8496	2.096	1.089	5.570	2.628
95	3.072	2.046	1.129	3.500	0.2474
100	3.296	1.989	1.169	1.466	0.2848
105	3.440	1.985	1.210	1.233	0.3920
110	3.427	1.974	1.301	1.285	0.5227
115	3.347	2.028	1.393	1.308	0.6628
120	3.062	2.164	1.484	1.312	0.8120
125	356.5	225.4	134.4	221.7	357.3
130	2.071	2.393	1.699	1.659	1.083
135	1.419	2.347	1.807	1.962	1.204
140	1.429	2.165	1.844	2.292	1.340
145	1.527	2.093	1.881	2.470	1.452
150	1.611	2.074	1.919	2.365	1.550
155	1.695	1.961	1.922	2.271	1.648
160	1.755	1.888	1.925	2.084	1.727
165	1.816	1.895	1.928	1.926	1.802
170	1.825	1.887	1.906	1.891	1.867
175	1.863	1.875	1.884	1.878	1.956
180	1.863	1.863	1.863	1.863	1.956
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

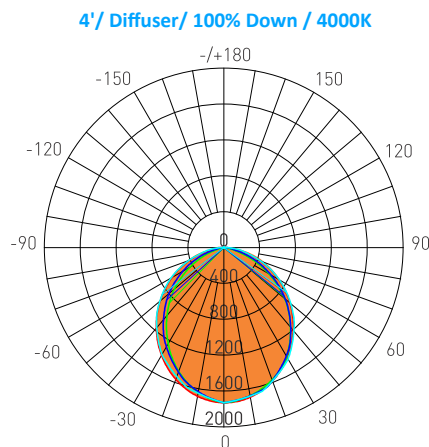
τ	φ total
0-5	19.49
5-10	76.95
10-15	170.2
15-20	295.7
20-25	448.1
25-30	621.9
30-35	811.1
35-40	1008
40-45	1028
45-50	1402
50-55	1585
55-60	1750
60-65	1892
65-70	2006
70-75	2089
75-80	2143
80-85	2173
85-90	2184
90-95	2185
95-100	2186
100-105	2186
105-110	2187
110-115	2187
115-120	2188
120-125	2189
125-130	2189
130-135	2190
135-140	2191
140-145	2191
145-150	2192
150-155	2192
155-160	2193
160-165	2193
165-170	2193
170-175	2193
175-180	2193
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	5516	9701
80	7641	9628
75	9107	9653
70	10216	10708
65	10953	11421
60	11517	11982
55	11960	12318
50	12328	12664
45	12660	13032



PHOTOMETRY



Lumens: 4601.1 Lms
Watts: 40.70 W
LPW: 113.05 Lm/W
CCT: 4000K

UNIT:cd
— C0/180, 106.4°
— C30/210, 95.4°
— C60/240, 98.6°
— C90/270, 107.0°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1722	1709	1706	1706	1717
10	1695	1677	1682	1675	1684
15	1649	1636	1658	1635	1633
20	1585	1586	1584	1590	1565
25	1506	1493	1510	1512	1484
30	1416	1387	1436	1427	1389
35	1314	1275	1326	1342	1285
40	1203	1156	1216	1249	1173
45	1086	1014	1106	1091	1054
50	963.8	871.8	975.9	918.6	929.4
55	836.5	728.6	845.3	758.1	800.3
60	704.6	572.0	714.7	619.5	667.5
65	569.8	418.6	575.4	499.1	532.1
70	433.8	276.3	436.2	396.8	395.5
75	299.2	151.4	296.9	306.5	259.8
80	173.5	46.97	199.3	221.0	138.4
85	67.17	24.98	101.7	141.2	42.14
90	4.654	5.485	4.104	62.49	68.39
95	1.536	5.339	4.131	35.95	0.5650
100	1.517	5.168	4.158	9.947	0.6159
105	1.447	4.856	4.186	6.647	0.8541
110	1.527	4.510	4.608	7.029	1.120
115	1.756	4.298	5.031	6.921	1.423
120	2.026	4.097	5.454	6.481	1.648
125	2.316	3.844	5.632	6.146	1.937
130	2.260	3.626	5.810	5.352	2.180
135	2.578	3.737	5.988	4.750	2.455
140	2.914	4.015	5.998	4.398	2.693
145	3.184	4.449	6.008	4.322	2.908
150	3.413	4.788	6.017	4.397	3.132
155	3.684	4.857	5.831	4.608	3.342
160	3.880	5.161	5.644	4.747	3.501
165	4.043	5.122	5.458	4.799	3.655
170	4.201	4.855	5.089	4.749	3.763
175	4.272	4.593	4.720	4.531	3.879
180	4.351	4.351	4.351	4.351	3.912
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	40.97
5-10	161.6
10-15	357.0
15-20	619.7
20-25	938.7
25-30	1303
30-35	1698
35-40	2111
40-45	2527
45-50	2930
50-55	3305
55-60	3641
60-65	3927
65-70	4157
70-75	4328
75-80	4445
80-85	4520
85-90	4561
90-95	4577
95-100	4583
100-105	4585
105-110	4587
110-115	4588
115-120	4590
120-125	4591
125-130	4593
130-135	4594
135-140	4595
140-145	4596
145-150	4599
150-155	4993
155-160	4599
160-165	4600
165-170	4601
170-175	4601
175-180	4601
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	6701	10147
80	8688	9980
75	10052	9975
70	11029	11089
65	11724	11840
60	12254	12430
55	12681	12815
50	13038	13202
45	13358	13607



This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin, dark gray lines. There are no margins, text, or other markings on the page.