

JADIL-38-CPS SERIES

SURFACE MOUNT ARCHITECTURAL CCT & POWER SELECTABLE LINEAR SERIES



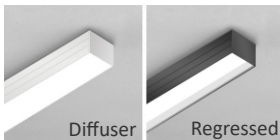
FEATURES

- 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)

Surface Mount

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

LENS TYPES



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

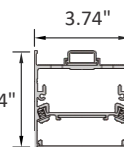
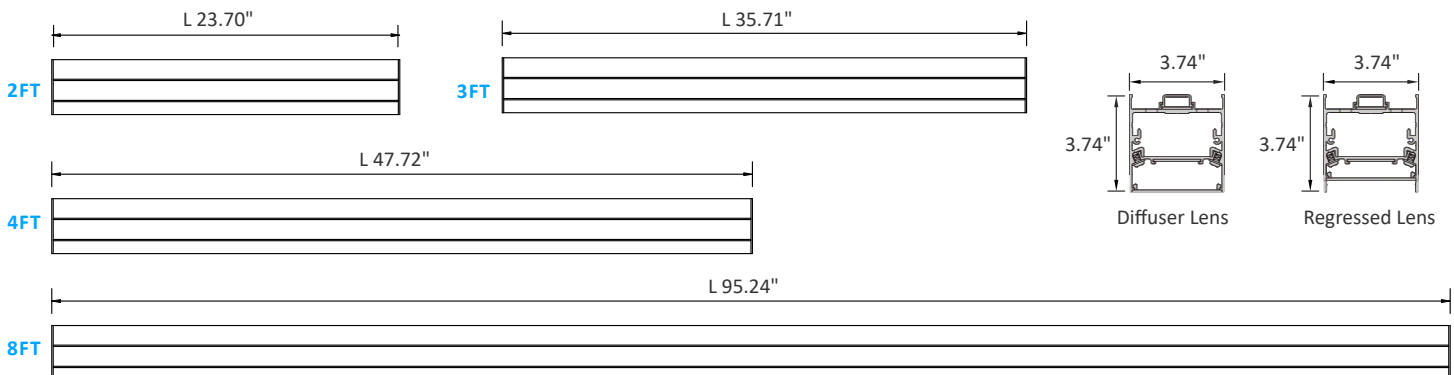
CRI Options: 80+ CRI Standard / 90+ CRI Optional

Input Voltage: CC 120-277VAC Internal driver

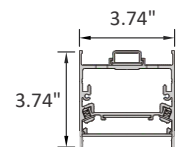
Ambient Temp.: -20°C to 40°C (-4°F to 104°F)

Warranty: 10 Years Limited

CROSS SECTION & PROFILE LENGTHS



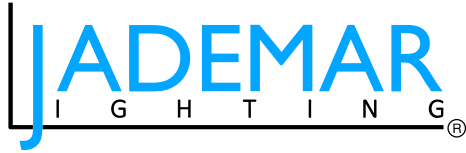
Diffuser Lens



Regressed Lens



SPECIFICATION SUBMITTAL DETAIL



Project Name/Type:		Date
Catalog/Part #:		

JADIL-38-CPS SERIES SURFACE MOUNT ARCHITECTURAL

ORDERING INFORMATION / EXAMPLE: JADIL-38-CPS-2-20W-80-WH-DF-D-D01-SM-SR-NLC-FC

JADIL-38-CPS							D		SM	
Product Series	Length	Wattage	CCT	CRI	Finish	Down Lens	Light Distribution	Dimming	Mounting	Control Options
JADIL-38-CPS	2 2 Feet Wide	20W 20W/15W/10W Selectable for 2ft	Blank CCT adjustable 3000K/3500K/4000K	80 80+ CRI (Standard)	WH White (Standard)	DF Diffuser	 D 100% down light	D10 100-277VAC Dim to 10% (Standard) <i>Tested Dimmers:</i> * Lutron Diva-Dvvt, * Leviton IP-710-DL	SM Surface Mount (Standard) 	Blank No Controller/Sensor SR-NLC-XX Silvrax 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)
	3 3 Feet Wide	30W 30W/23W/15W Selectable for 3ft	XXK Pls Select the Factory Set value	90 90+ CRI* <i>*Special order</i>	BK Black	RL Regressed Lens (White Shade)		D01 100-277VAC Dims to 1%		
	4 4 Feet Wide	40W 40W/30W/20W Selectable for 4ft			CC Custom* <i>*Special order</i>					
	8 8 Feet Wide	80W 80W/60W/40W Selectable for 8ft								
	XX Custom*	XXW Pls Select the Factory Set value								

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

OPTIONAL SURFACE MOUNT ACCESSORIES

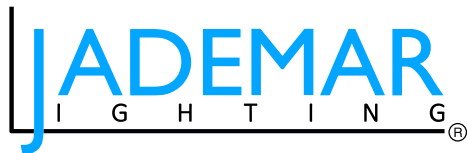
Joiner	Other Options
SJ Straight Line Joiner (Optional 40' rolling diffuser) LJ/LJ "L" Joiner* (LJ for Non-lit, LJ for Lit) TJ "T" Joiner*	Blank Not BAA/BABA BAA Buy American Act* <i>*Selected SKUs Only</i> BABA Build America, Buy America* <i>*Selected SKUs Only</i> EMI Emergency Function (Built-in 8W 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.)



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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SPECIFICATION SUBMITTAL DETAIL

Project Name/Type:		Date
Catalog/Part #:		

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

Shape / Length* (Enter length in FT)	Finish	0-10V Dim	Control Options
JADIL-38-S-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% Tested Dimmers: * Lutron Diva-Dvtv, * Leviton IP-710-DL.	Blank No Controller/Sensor
JADIL-38-S-S__ Square Configuration (Enter side length A, ex: S18)*	BK Black	D01 110-277V AC Dim to 1%	SR-NLC-XX Silvair Fixture Controller/ Sensor
JADIL-38-S-SL__ Lit Square Configuration (Enter side length A, ex: S18)	CM Custom*		CB-NLC-XX Casambi Fixture Controller/ Sensor
JADIL-38-S-R__/_/_ Rectangular Configuration (Enter side lengths A and B, ex. R12/24)*	*Special Order		BN-NLC-XX BubblyNet Fixture Controller/ Sensor
JADIL-38-S-RL__/_/_ Lit Rectangular Configuration (Enter side lengths A and B, ex. R12/24)			BMW0 Sensor Function (Built-In Occupancy sensor in Ø5.8" round canopy)
JADIL-38-S-L__/_/_ L-Shaped Configuration (Enter side lengths A and B, ex. L12/24)*			
JADIL-38-S-LL__/_/_ Lit L-Shaped Configuration (Enter side lengths A and B, ex. L12/24)			
JADIL-38-S-T__/_/_/_ T-Shaped Configuration (Enter side lengths A,B and C, ex. T02/02/04)*			
JADIL-38-S-+__/_/_/_/_ Cross-Shaped Configuration (Enter side lengths A, B,C and D, ex. +02/02/02/02)*			
JADIL-38-S-Y__/_/_/_/_ Y-Shaped Configuration (Enter side lengths A,B and C, ex. Y04/04/04)*			
JADIL-38-S-H__ Hexagon-Shaped Configuration (Enter side lengths A, ex. H4)*			

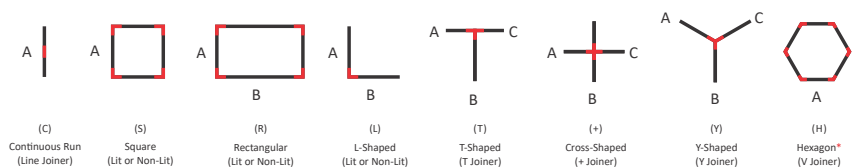
*Special Order

SHAPES PATTERNS AND JOINERS

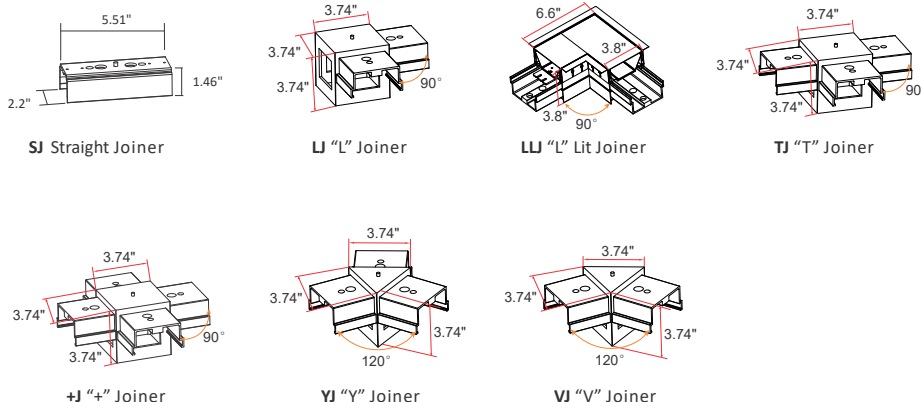
Other Options

Blank
Not BAA/BABA
BAA
Buy American Act*
*Selected SKUs Only
BABA
Build America, Buy America*
*Selected SKUs Only

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.)



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.



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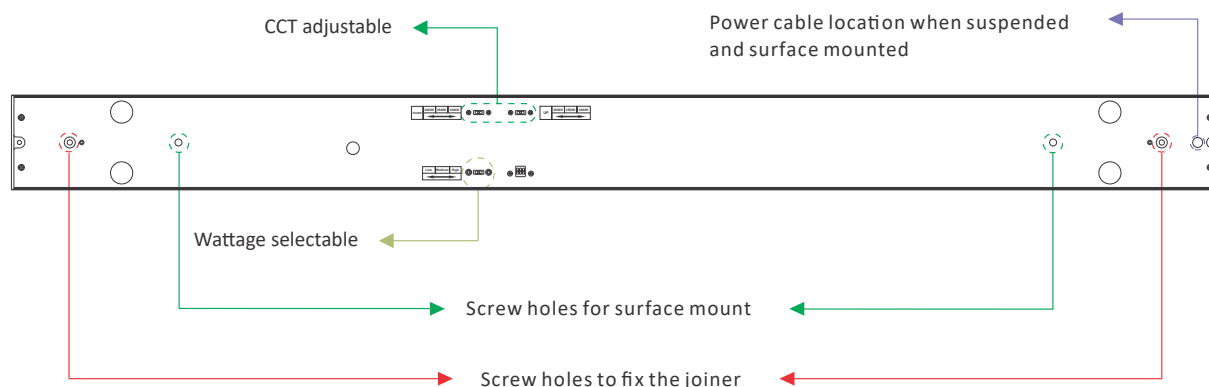
LUMEN PERFORMANCE AND ELECTRICAL DATA

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			

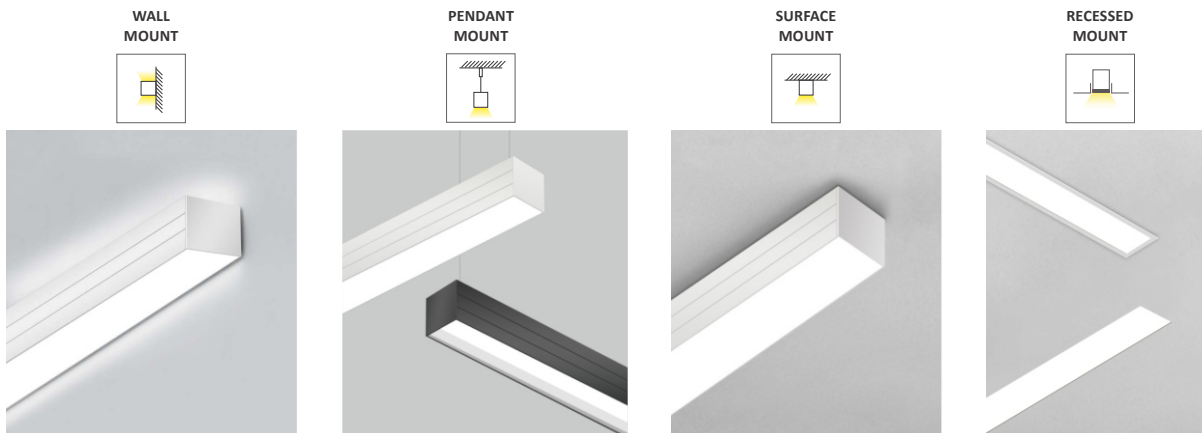
Note: Lumens are subject to maximum wattage, 4000K with white finish only.

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

FIELD ADJUSTABLE SETTINGS & TECHNICAL LAYOUT



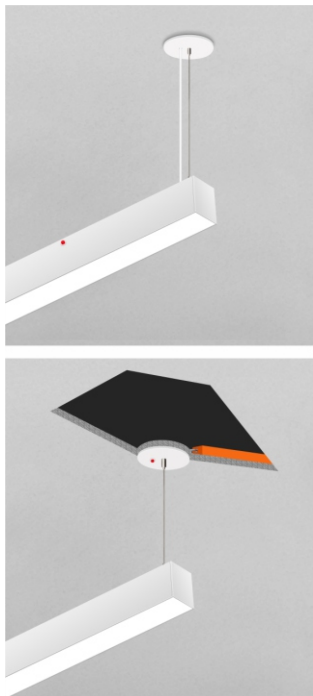
ALL MOUNTING OPTIONS



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



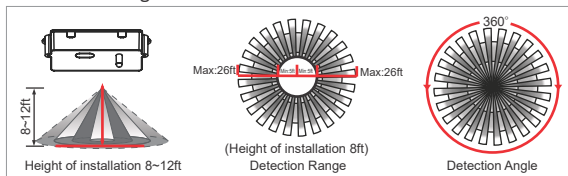
BMW

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.

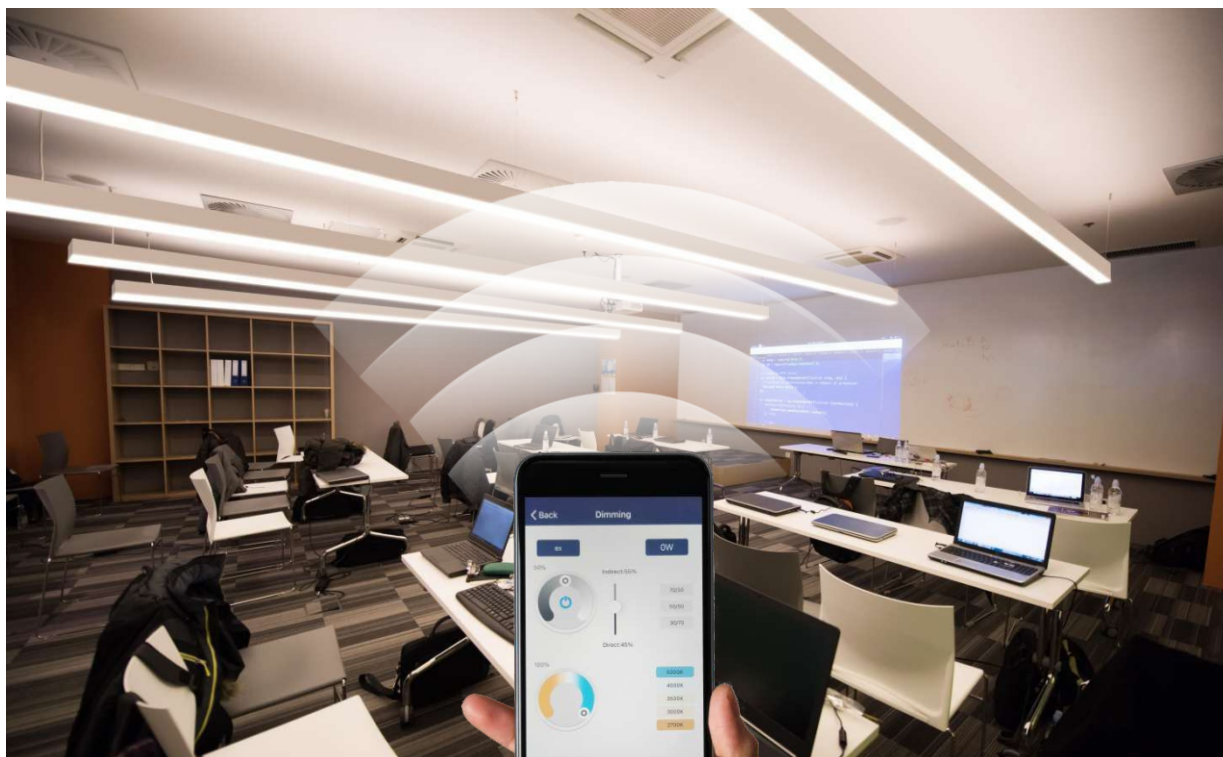
Power Supply	120/277 VAC 50/60Hz
Maximum load @ 40°F to +158°F (-40°C to +70°C)	Resistive/ Tungsten - 600W @ 120V Electronic Ballast(LED) - 800VA @ 120V /1200VA @ 277V
HF System	5.8GHz CW
Dim Control Output	0-10V, max .25mA sinking current
Detection Radius / angle	Max 26ft.(8m) /360
Mounting Height	Max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

Kelvin

Brightness

Lighting Distribution

Tunable White 2700K-5000K

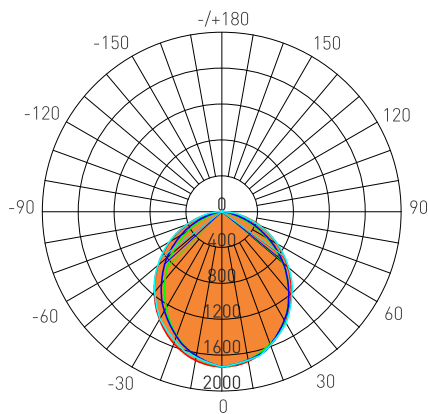
Brightness Control Dim to OFF

Lighting Distribution Direct And Indirect
0%~100%



PHOTOMETRY

4' / Diffuser / 100% Down / 4000K



AVERAGE BEAM ANGLE(50%): 101.8°

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	

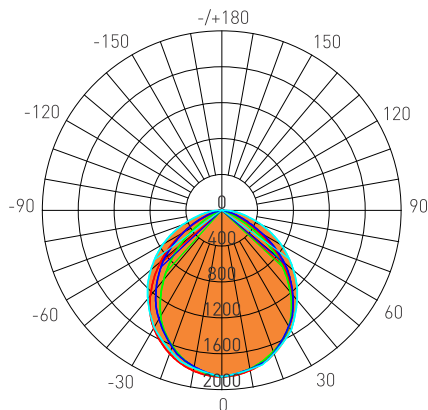
Luminance cd/(m2)

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



PHOTOMETRY

4' / Regressed Lens / 100% Down / 4000K



AVERAGE BEAM ANGLE(50%): 97.7°

Lumens: 4546.74 Lms
Watts: 40 W
LPW: 106.19 Lm/W
CCT: 4000K

UNIT:cd
— C0/180, 97.1°
— C30/210, 89.2°
— C60/240, 96.6°
— C90/270, 108.1°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1844	1830	1829	1833	1846
10	1813	1795	1802	1801	1817
15	1762	1750	1776	1760	1768
20	1692	1696	1700	1712	1701
25	1604	1597	1623	1630	1615
30	1503	1482	1547	1537	1517
35	1375	1360	1427	1443	1391
40	1216	1221	1308	1341	1237
45	1043	1026	1188	1167	1068
50	859.4	824.4	1047	960.3	887.0
55	668.1	618.5	906.3	761.5	696.4
60	473.1	407.2	765.3	619.8	501.8
65	287.6	210.6	618.3	495.8	313.7
70	140.1	85.22	471.3	377.4	154.7
75	73.86	42.76	324.3	259.9	74.73
80	48.37	15.51	217.6	156.1	50.32
85	21.26	10.24	111.0	91.92	19.49
90	0.3408	5.919	4.309	30.73	33.60
95	1.064	5.784	4.648	18.96	0.2241
100	0.8826	5.639	4.987	7.401	0.2941
105	1.037	5.661	5.325	6.332	0.4668
110	1.060	5.707	5.471	6.991	0.7184
115	1.144	5.779	5.616	7.362	0.9612
120	1.471	5.958	5.762	7.493	1.246
125	1.826	6.163	6.060	7.618	1.582
130	2.223	5.832	6.359	7.328	1.946
135	2.606	5.315	6.658	7.276	2.301
140	2.951	4.907	6.806	7.306	2.656
145	3.254	4.563	6.953	8.106	2.964
150	3.539	4.632	7.101	8.777	3.263
155	3.819	4.740	6.945	9.270	3.510
160	4.085	4.700	6.789	8.961	3.743
165	4.389	4.666	6.633	6.924	3.870
170	4.696	5.081	5.987	5.937	4.028
175	4.696	5.034	5.342	5.248	4.122
180	4.696	4.696	4.696	4.696	4.174
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-5	43.99
5-10	173.7
10-15	384.1
15-20	667.4
20-25	1012
25-30	1405
30-35	1832
35-40	2273
40-45	2710
45-50	3123
50-55	3492
55-60	3805
60-65	4053
65-70	4238
70-75	4366
75-80	4446
80-85	4493
85-90	4514
90-95	4522
95-100	4526
100-105	4528
105-110	4529
110-115	4531
115-120	4533
120-125	4535
125-130	4536
130-135	4538
135-140	4540
140-145	4541
145-150	4543
150-155	4544
155-160	4545
160-165	4546
165-170	4546
170-175	4547
175-180	4547
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	2140	11169
80	2443	10994
75	2503	10991
70	3594	12087
65	5970	12833
60	8299	13425
55	10218	13860
50	11728	14292
45	12936	14741



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.