

FIXTURE SPECIFICATIONS

INTENDED USE

This linear architectural LED fixture offers exceptional versatility. The modern, slim-profile extruded aluminum housing comes in standard lengths from 2 to 8 feet, enabling custom configurations with tandem mounting for continuous runs up to 40 feet at 120V or 100 feet at 277V. Perfect for elevating the ambiance in offices, museums, retail environments, hotels, and restaurants, this fixture not only enhances the overall aesthetic but also provides practical, efficient lighting solutions for spaces where design and functionality must go work together.

FEATURES

Construction: Extruded aluminum housing with powder coat finish

Shapes: Provided with pre-fabricated corners that are fully illuminated

Wattage: 50/75/100% selectable switch

Driver: 0-10V dims to 10%

Emergency Battery: External 90 min. w/ test switch

Color Temperature: 30/35/40K selectable switch

Light Distribution: 100% down

Voltage: 110-277V

CRI: 80+

Life: 50,000 Hours

Warranty: 5 Years carefree for parts & components (Labor not included)

Listings: cULus listed for damp locations



Flat Lens

Regressed Lens

Lens	Lumen Package for 100% Down		
	High	Medium	Low
Flat	1000lm, 10w/ft	750lm, 7.5w/ft	500lm, 5w/ft
Regressed	800lm, 10w/ft	600lm, 7.5w/ft	400lm, 5w/ft

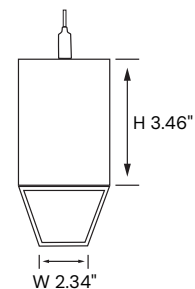
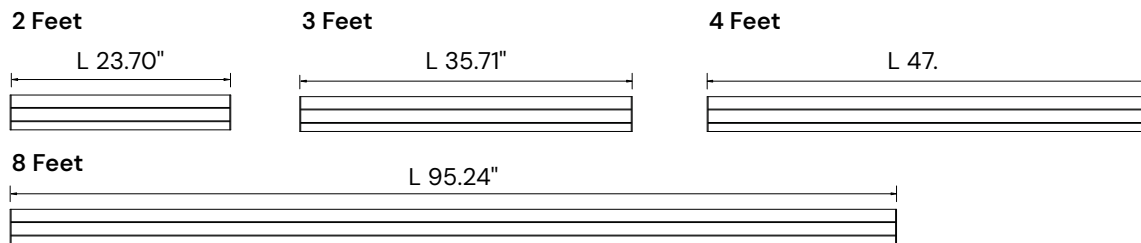


ORDERING INFORMATION Example:

Model	Mounting	Lens	Shape ¹	Finish	Pendant Ceiling Type	Pendant Cord	Pendant Canopy Shape	Options
12100-21	P Pendant W Wall S Surface RT Recessed T-bar Grid RS Recessed Screw Slot Grid RTR Recessed Trimmed RTL Recessed Trimless	Blank Flat ^{Standard} R ² Regressed	S ³ Single Run CR ³ Continuous Run RC ³ Rectangle SQ ³ Square L ³ "L" Shape x = 2', 3', 4', 6' or 8' x = Length x = Width & Length x = Length x = Leg 1, Leg 2	W White B Black	Blank Not Required H ^{Standard} Hard / Drywall J-Box Mount S9 Screw Slot Grid 9/16" S15 Screw Slot Grid 15/16" T T-bar Grid 9/16" & 15/16"	Blank Not Required AC5 ^{Standard} 5' Adjustable Aircraft Cable AC12 12' Adjustable Aircraft Cable	Blank Not Required R ^{Standard} Round S Square	EM8X 8W External Emergency Battery EM25X 25W External Emergency Battery OS ^{4,5} Occupancy Sensor

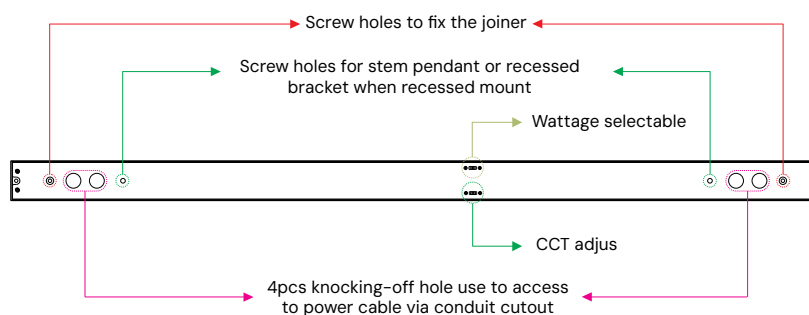
¹ All shapes other than single and continuous runs are formed using housing sizes of 2, 3, 4, 6, and 8'. Please take into account the additional lengths of the joiners on Pg.4
² Only available with single and continuous run
³ See Chart on Pg.7
⁴ Only available with recessed and pendant mount
⁵ Only available with round canopy

LINE DRAWINGS & DIMENSIONS

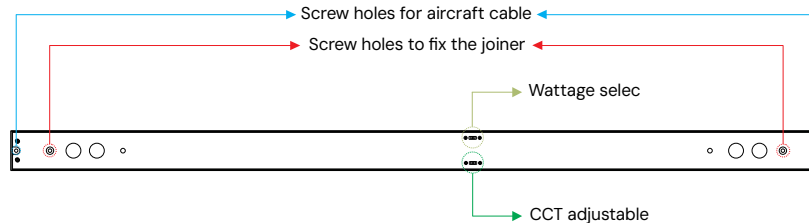


MOUNTING LOCATION

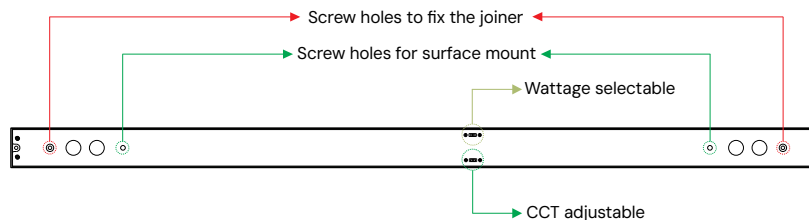
Recessed



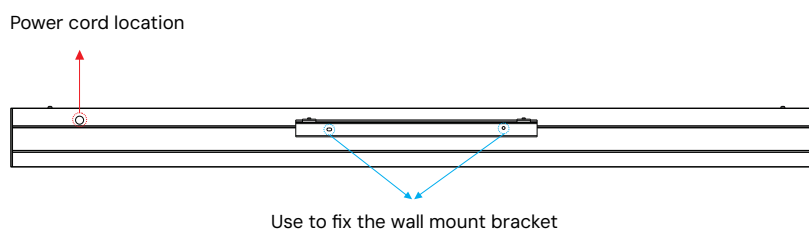
Pendant



Surface



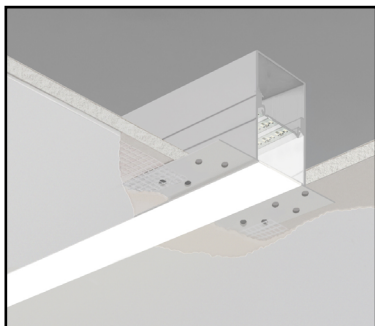
Wall



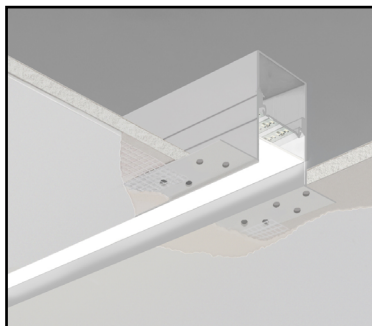
SHAPE DESIGNS

Recessed

Flat Lens

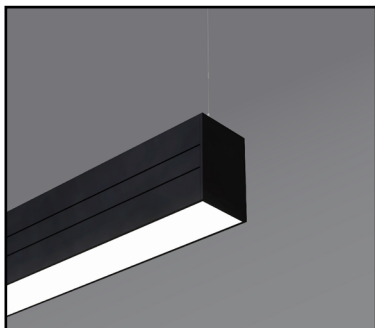


Regressed Lens

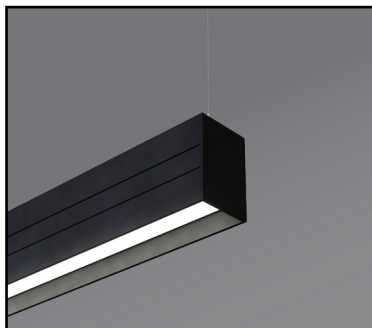


Pendant

Flat Lens

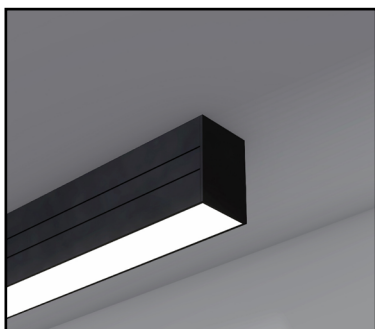


Regressed Lens



Surface

Flat Lens



Regressed Lens



Wall

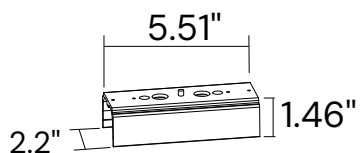
Flat Lens



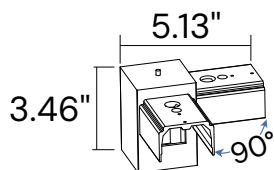
Regressed Lens



JOINER OPTIONS

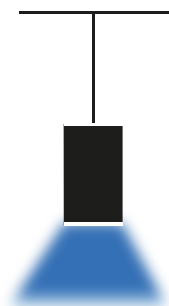


Run Joiner



"L" Joiner

LIGHT DISTRIBUTION

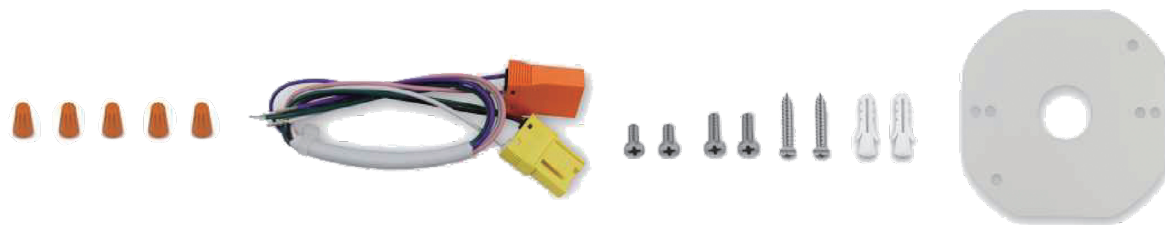


100% Down

AVAILABLE MOUNTINGS

Accessories for Surface & Wall (Included)

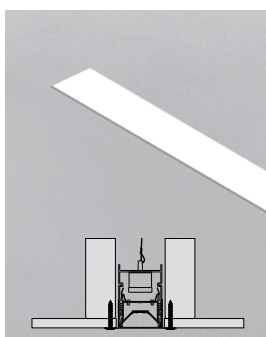
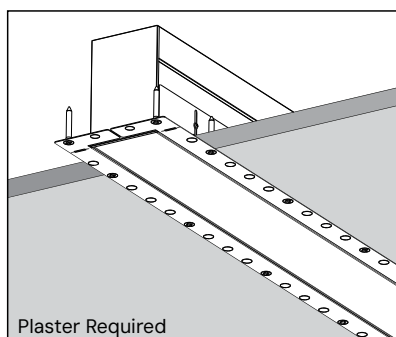
Mounting Kits



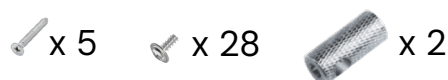
AVAILABLE MOUNTINGS

Recessed in Hard Drywall Ceiling

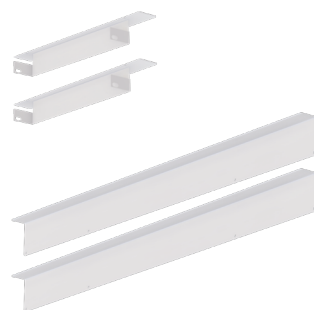
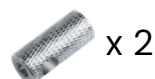
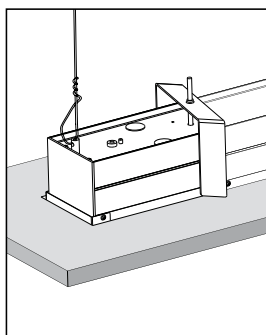
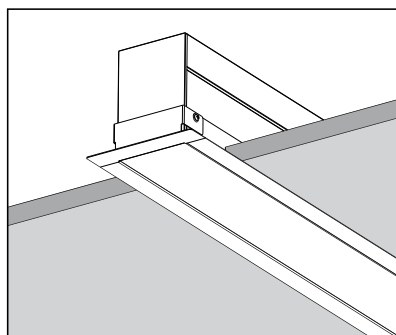
Trimless



Mounting Kits

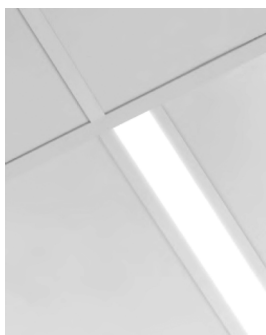
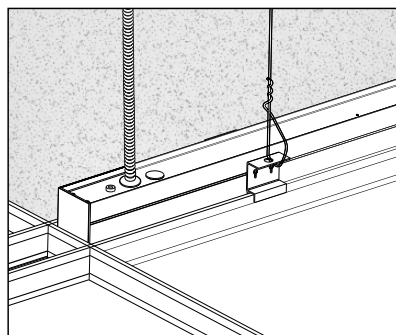


Trimmed

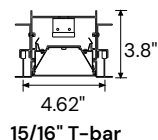


Recessed in Grid Ceiling

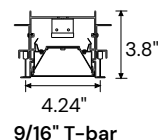
T-Grid



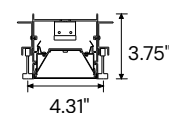
When installing seamless continuous runs in a standard or existing T-grid ceiling, a gap will form between the fixture's end and the ceiling grid. This gap should be filled with gypsum board.



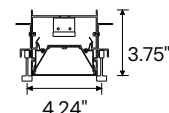
15/16" T-bar



9/16" T-bar



9/16" Screw Slot -1



9/16" Screw Slot -2



AVAILABLE MOUNTINGS

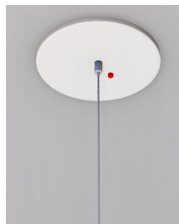
Pendant Canopy Style



1.6" Round
(Non-Power Feed)



4.5" Round
(Power Feed)



4.5" Round with
Emergency Driver
(Non-Power Feed)



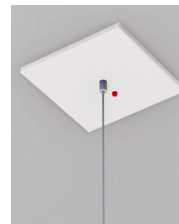
5.8" Round with
Occupancy
Sensor
(Power Feed)



1.6" Square
(Non-Power Feed)



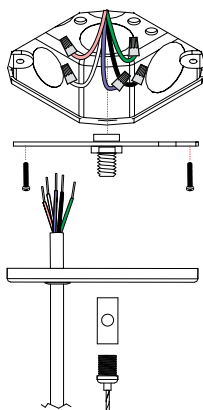
4.5" Square
(Power Feed)



4.5" Square with
Emergency Driver
(Non-Power Feed)

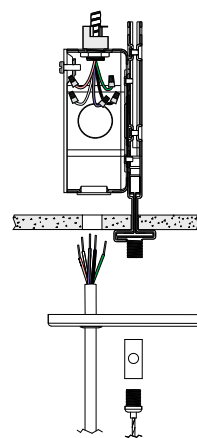
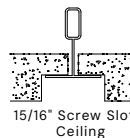
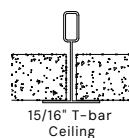
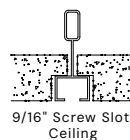
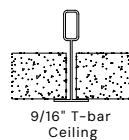
Hard Drywall Ceiling

Mount to J-box



Grid Ceiling

Compatible with 9/16" and 15/16" T-bar and Screw Slot

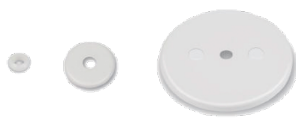


Pendant Accessories for Hard Drywall and Grid Ceiling (Included)

Hard Drywall Ceiling Canopy Kits



Grid Ceiling Canopy Kits



Junction Box



Aircraft Cable Kits



Power Cord Kits



T-grid Clips

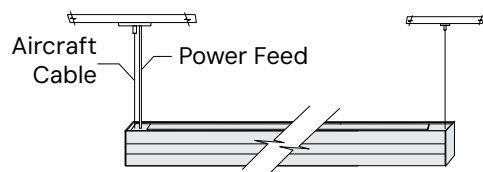


CONTINUOUS RUN CHART (120V)

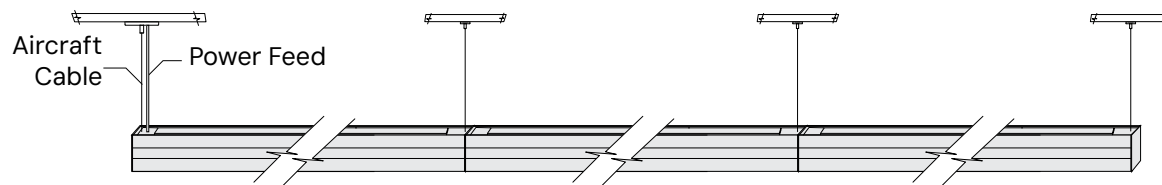
Run Length (ft)	Run Configuration	Run Joiner	Power Cable	Aircraft Cable	Canopy
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	4	4
26	8'+8'+8'+2'	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

Individual

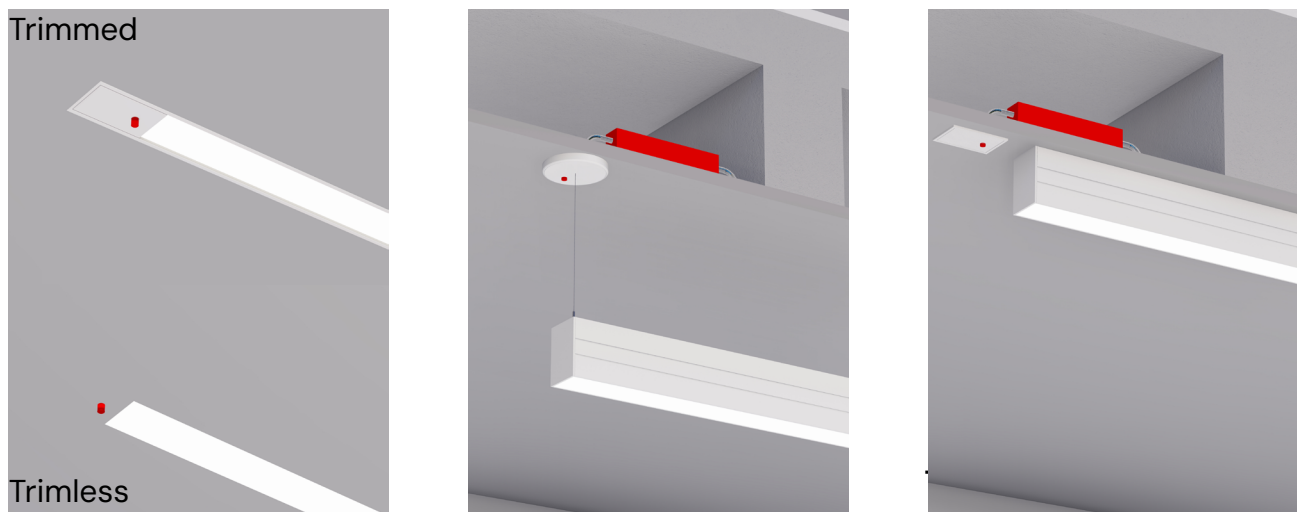


Continuous Run



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

EXTERNAL EMERGENCY BATTERY WITH TEST SWITCH



All mounting options come with UL and CEC Listed LED emergency drivers. In the event of an AC power failure, the system automatically switches to emergency mode, providing at least 90 minutes of illumination. Once power is restored, it seamlessly returns to charging mode, ensuring compliance with critical life-safety lighting requirements.



Choose between 8W or 25W emergency back-up battery to ensure essential lighting during power outages.

These options also simplify wiring, helping to reduce labor costs.

Code-Required Testing Switch

First Self-Test:

The system will conduct a functional test 3 seconds after installation to verify wiring and battery output. If there is a failure or error, the indicator LED will turn off or flicker.

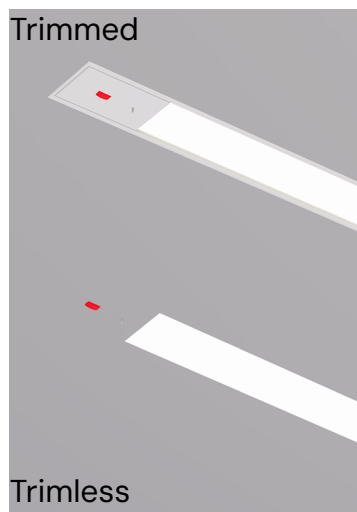
Second Self-Test:

A second test will occur 120 minutes later to recheck the system. If the test fails, it will automatically repeat up to 4 times, every 120 minutes.

Monthly Self-Test:

The system will perform an automatic test every 30 days, lasting 3 seconds, to check wiring and battery output. In the event of a failure or error, the indicator LED will turn off or flicker.

OCCUPANCY SENSOR

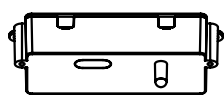


This internal microwave bi-level sensor system control is based on motion and/or daylight contribution with a harvest feature, detecting a 360° range for some areas that require a light change notice before switching off.



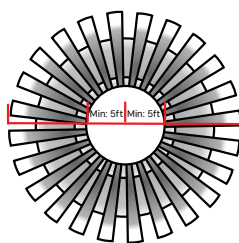
Specification

Power Supply	120/277 VAC 50/60Hz
Maximum load @ -40°F ~ +158°F (-40°C ~ +70°C)	Resistive/ Tungsten 600W @ 120V Electronic Ballast (LED) 800VA @ 120V, 1200VA @ 277V
HF System	5.8GHz CW
Dim Control Output	0-10V, Max 0.25mA sinking current
Detection Radius/Angle	Max 26ft. (8m)/360
Mounting Height	Max 12ft
Humidity	Max 95% RH
Temperature	-40°F ~ +158°F (-40°C ~ +70°C)



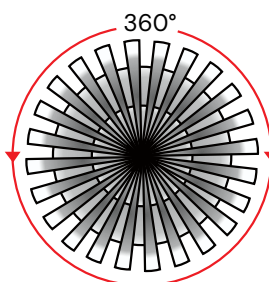
Height of installation 8~12ft

Max: 26ft



(Height of installation 8ft)
Detection Range

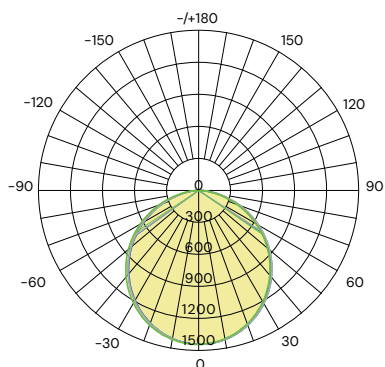
Max: 26ft



Detection Angle

PHOTOMETRY

4' / Flat Lens / 3500K



AVERAGE BEAM ANGLE (50%): 111.3°

Lumens: 4069.1 Lms
Watts: 39.05 W
LPW: 104.21 Lm/W
CCT: 3500K

UNIT:cd
— C0/180,110.8°
— C30/210,111.1°
— C60/240,111.6°
— C90/270,111.7°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	1418	1421	1412	1398	1411
20	1340	1346	1331	1303	1327
30	1215	1225	1204	1164	1195
40	1049	1064	1038	988.4	1026
50	852.4	870.0	840.6	783.6	826.6
60	629.7	649.8	617.5	555.5	603.1
70	391.9	412.3	377.6	316.3	365.5
80	162.5	178.2	145.8	98.44	139.5
90	2.417	8.146	0.2768	0.4688	0.9405
100	0.5822	0.5917	0.6472	0.7610	0.6802
110	1.012	1.048	1.172	1.246	1.138
120	1.530	1.577	1.753	1.778	1.633
130	2.021	2.104	2.307	2.298	2.124
140	2.524	2.612	2.799	2.78	2.595
150	3.936	3.052	3.178	3.148	3.016
160	3.376	3.422	3.497	3.478	3.442
170	3.769	3.686	3.712	3.724	3.716
180	3.894	3.751	3.759	3.755	3.904
DEG	LUMINOUS INTENSITY:cd				

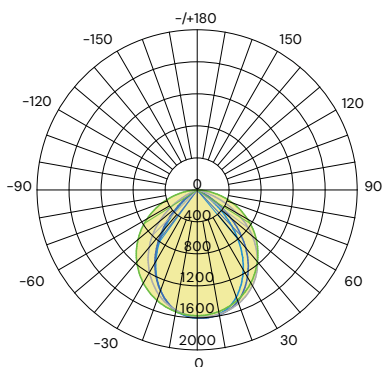
Zonal Lumens

T	Φ total
0-10	136.4
10-20	526.2
20-30	1115
30-40	1822
40-50	2553
50-60	3211
60-70	3708
70-80	3986
80-90	4058
90-100	4059
100-110	4060
110-120	4061
120-130	4063
130-140	4064
140-150	4066
150-160	4068
160-170	4069
170-180	4069
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	10884	8777
80	13119	11617
75	14803	13683
70	16064	15274
65	16980	16310
60	17655	17084
55	18170	17649
50	18591	18090
45	18924	18435

4' / Regressed Lens / 3500K



AVERAGE BEAM ANGLE (50%): 92.7°

Lumens: 3185.1 Lms
Watts: 39.18 W
LPW: 81.30 Lm/W
CCT: 3500K

UNIT:cd
— C0/180,75.9°
— C30/210,81.3°
— C60/240,98.3°
— C90/270,115.4°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	1583	1593	1552	1494	1546
20	1434	1513	1475	1304	1347
30	1163	1339	1349	1044	1044
40	790.0	1073	1178	714.1	652.8
50	382.2	734.4	972.0	357.8	253.6
60	60.93	354.3	733.4	66.49	9.481
70	3.607	50.38	472.8	3.429	1.964
80	1.129	3.391	209.4	1.111	0.5673
90	0.2172	0.8545	0.4901	0.1488	0.1127
100	0.1263	0.1488	0.6813	0.2888	0.1309
110	0.1532	0.3044	1.232	0.7484	0.2482
120	0.4461	0.7326	1.867	1.429	0.6274
130	1.000	1.326	2.485	2.185	1.259
140	1.740	2.047	2.990	2.888	2.048
150	2.579	2.800	3.400	3.436	2.864
160	3.454	3.432	3.725	3.853	3.604
170	4.080	3.887	3.937	4.115	4.176
180	4.329	4.088	3.973	4.031	4.324
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	Φ total
0-10	150.3
10-20	574.1
20-30	1189
30-40	1871
40-50	2474
50-60	2884
60-70	3092
70-80	3165
80-90	3176
90-100	3176
100-110	3177
110-120	3178
120-130	3179
130-140	3180
140-150	3182
150-160	3184
160-170	3185
170-180	3185
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	91	14627
80	90	16749
75	110	18232
70	146	19198
65	212	19878
60	1692	20373
55	4751	20732
50	8259	21002
45	11457	21208

COMPATIBLE DIMMERS

			
0-10 V	2100 2101 2102	Diva DDTV	IP-710-DL

COLOR TEMPERATURE GUIDE



2700K

WARM WHITE

friendly
personal
intimate

HOMES
LIBRARIES
RESTAURANTS

X



3000K

SOFT WHITE GLOW

soft
warm
pleasing

HOMES
HOTEL ROOMS
LOBBIES
RETAIL STORES

✓



3500K

NEUTRAL GLOW

sociable
inviting
non-threatening

EXECUTIVE OFFICES
RECEPTION AREAS
SUPERMARKETS

✓



4000K

COOL WHITE GLOW

neat
clean
efficient

OFFICES
CLASSROOMS
MASS MERCHANTISERS
SHOWROOMS

✓



5000K

DAYLIGHT GLOW

bright
cool
alert

GRAPHICS INDUSTRY
HOSPITALS
GALLERIES
BEAUTY SALONS

X