

### 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

| Lens      | Lumen Package for 50% Up/ 50% Down @ 3500K |                |              | Lumen Package for 100% Down @ 3500K |                |              |
|-----------|--------------------------------------------|----------------|--------------|-------------------------------------|----------------|--------------|
|           | High                                       | Medium         | Low          | High                                | Medium         | Low          |
| Flat      | 1150lm, 10w/ft                             | 860lm, 7.5w/ft | 575lm, 5w/ft | 1000lm, 10w/ft                      | 750lm, 7.5w/ft | 500lm, 5w/ft |
| Louver    | 900lm, 10w/ft                              | 675lm, 7.5w/ft | 450lm, 5w/ft | 700lm, 10w/ft                       | 525lm, 7.5w/ft | 350lm, 5w/ft |
| Regressed | 950lm, 10w/ft                              | 710lm, 7.5w/ft | 475lm, 5w/ft | 800lm, 10w/ft                       | 600lm, 7.5w/ft | 400lm, 5w/ft |



### ORDERING INFORMATION Example:

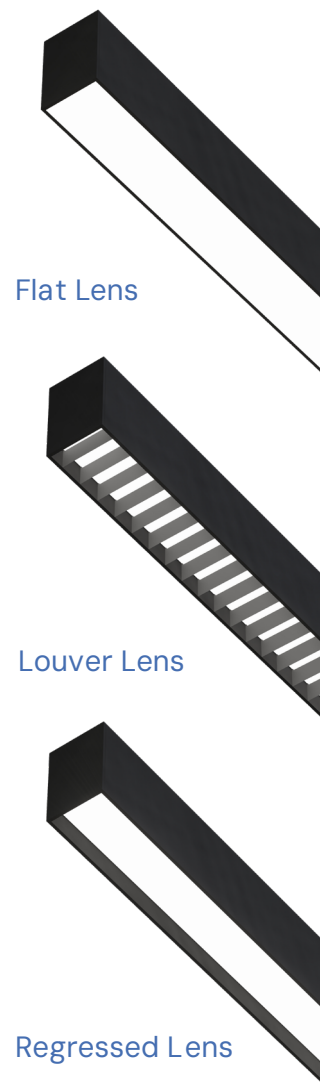
| Model    | Mounting | Lens                     | Shape            |                | Finish                    | Pendant Ceiling Type      | Pendant Cord            | Pendant Canopy Shape  | Options           |
|----------|----------|--------------------------|------------------|----------------|---------------------------|---------------------------|-------------------------|-----------------------|-------------------|
| 12100-22 | P        | Blank                    | S <sup>1</sup>   | Single Run     | κ = 2', 3', 4', 6' or 8'  | W                         | Blank                   | Blank                 | EM8               |
|          | Pendant  | Flat <sup>Standard</sup> | CR <sup>2</sup>  | Continuous Run | κ = Length                | White                     | Not Required            | Not Required          | 8W Internal       |
|          | S        | L                        | RC <sup>κ</sup>  | Rectangle      | κκ = Width & Length       | B                         |                         |                       | Emergency         |
|          | Surface  | Louver                   | SQ <sup>κ</sup>  | Square         | κ = Length                | H <sup>Standard</sup>     | AC5 <sup>Standard</sup> | R <sup>Standard</sup> | Battery           |
|          | W        | R                        | HE <sup>κ</sup>  | Hexagon        | κ = Length                | Hard / Drywall            | 5' Adjustable           | Round                 | EM8X              |
|          | Wall     | Regressed                | L <sup>κκ</sup>  | "L" Shape      | κκ = Leg 1, Leg 2         | J-Box Mount               | Aircraft Cable          | S                     | 8W External       |
|          |          |                          | X <sup>κκ</sup>  | Cross          | κκ = Leg 1, Leg 2         | S9                        | AC12                    | Square                | Emergency         |
|          |          |                          | V <sup>κκ</sup>  | "V" Shape      | κκ = Leg 1, Leg 2         | Screw Slot Grid 9/16"     | 12' Adjustable          |                       | Battery           |
|          |          |                          | Z <sup>κκ</sup>  | "Z" Shape      | κκ = Leg 1, Leg 2         | S15                       | Aircraft Cable          |                       | EM25X             |
|          |          |                          | Y <sup>κκκ</sup> | "Y" Shape      | κκκ = Leg 1, Leg 2, Leg 3 | Screw Slot Grid 15/16"    |                         |                       | 25W External      |
|          |          |                          |                  |                |                           | T                         |                         |                       | Emergency         |
|          |          |                          |                  |                |                           | T-bar Grid 9/16" & 15/16" |                         |                       | Battery           |
|          |          |                          |                  |                |                           |                           |                         |                       | OS <sup>3,4</sup> |
|          |          |                          |                  |                |                           |                           |                         |                       | Occupancy Sensor  |

<sup>1</sup> 6' fixture is made up of two 3' fixtures

<sup>2</sup> See Chart on Pg.6

<sup>3</sup> Only available with pendant mount

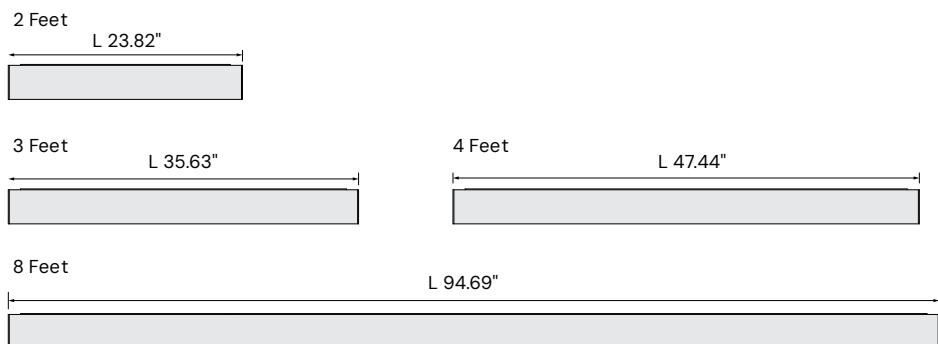
<sup>4</sup> Only available with round canopy



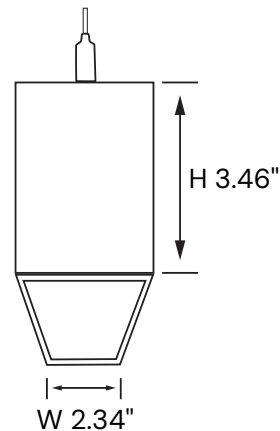
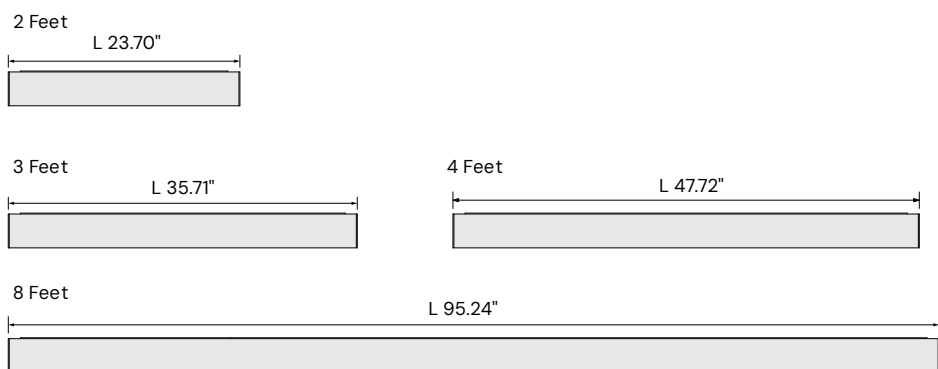
Alcon Lighting 12100-22 Architectural LED Linear Direct/Indirect Light Fixture

## LINE DRAWINGS & DIMENSIONS

### Louver Lens

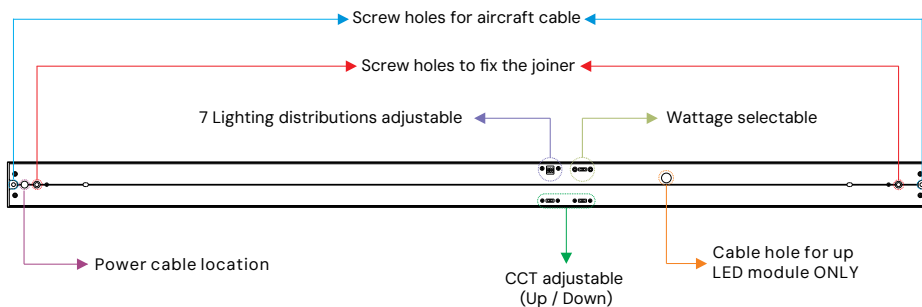


### Flat and Regressed Lens

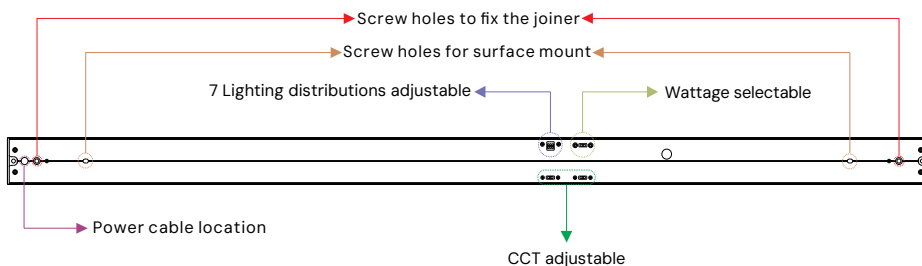


## MOUNTING LOCATION

### Pendant



### Surface



## SHAPE DESIGNS

### Pendant

Flat Lens



Louver Lens



Regressed Lens



### 3D Linear

Flat Lens



Louver Lens

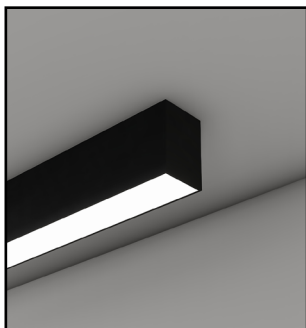


Regressed Lens

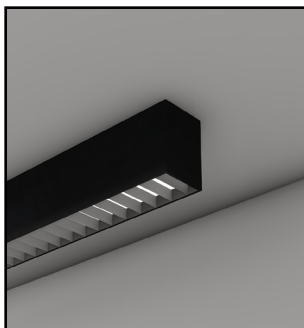


### Surface

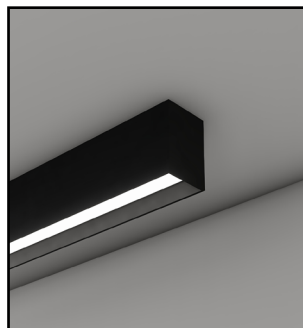
Flat Lens



Louver Lens



Regressed Lens



### Wall

Flat Lens



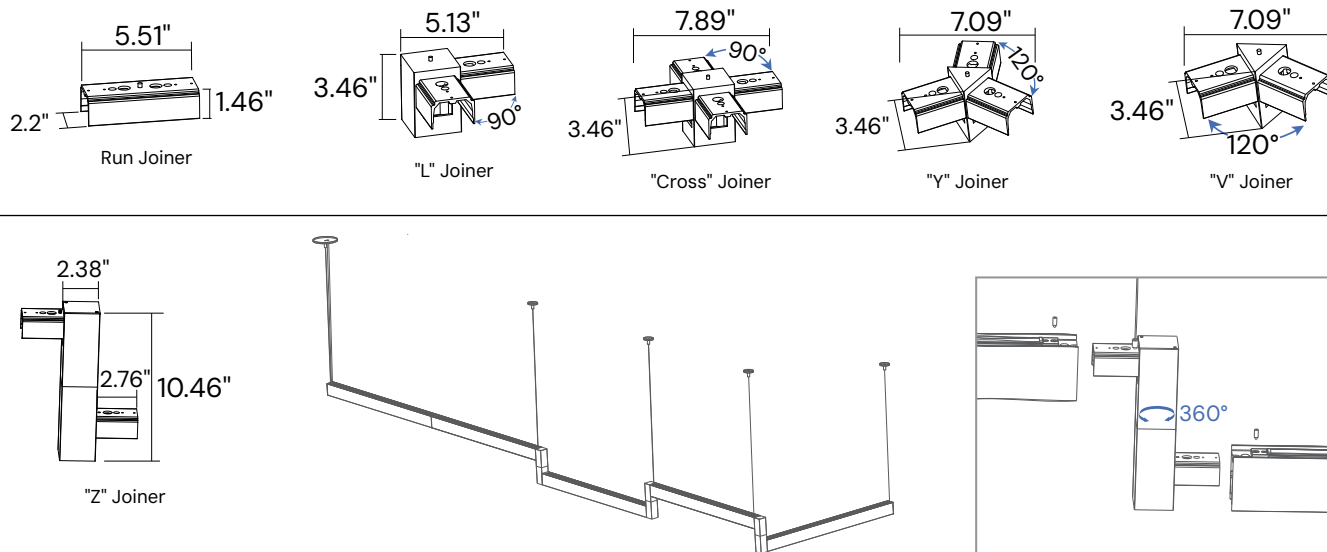
Louver Lens



Regressed Lens

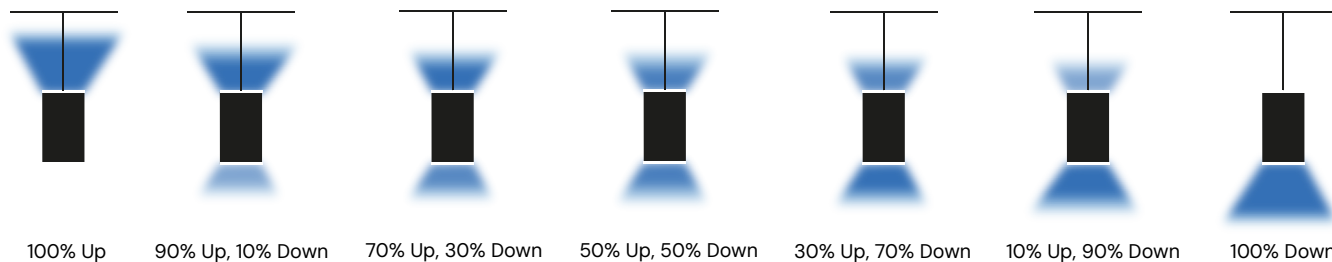


## JOINER OPTIONS



## LIGHT DISTRIBUTION

7 different options via DIP s witch for Pendant & Wall mount



## AVAILABLE MOUNTINGS

Accessories for Surface & Wall (Included)

Mounting Kits





## AVAILABLE MOUNTINGS

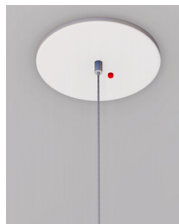
### Pendant Canopy Style



1.6" Round  
(Non-Power Feed)



4.5" Round  
(Power Feed)



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



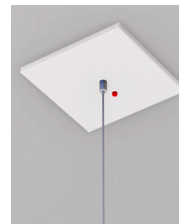
5.8" Round with  
Occupancy  
Sensor  
(Power Feed)



1.6" Square  
(Non-Power Feed)



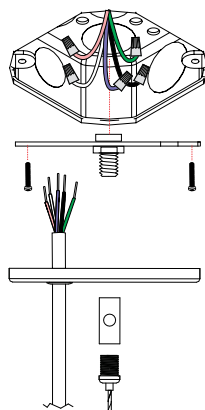
4.5" Square  
(Power Feed)



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

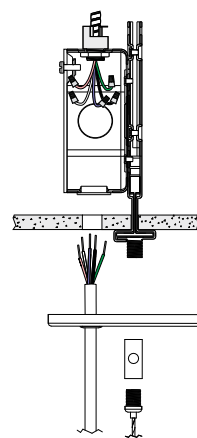
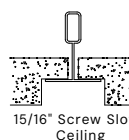
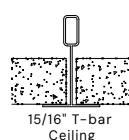
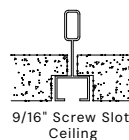
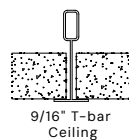
### Hard Drywall Ceiling

Mount to J-box



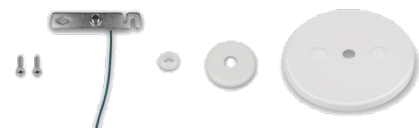
### Grid Ceiling

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

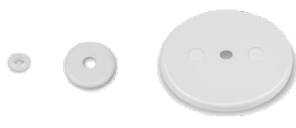


### Pendant Accessories for Hard Drywall and Grid Ceiling (Included)

#### Hard Drywall Ceiling Canopy Kits



#### Grid Ceiling Canopy Kits



#### Junction Box



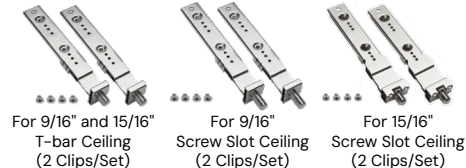
#### Aircraft Cable Kits



#### Power Cord Kits



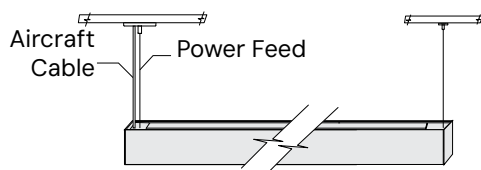
#### T-grid Clips



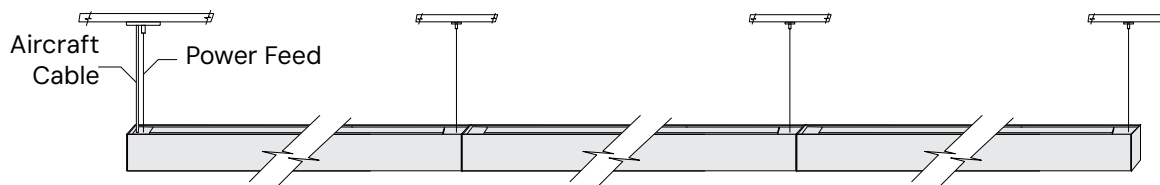
## CONTINUOUS RUN CHART (12 0V)

| 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      |

### Individual

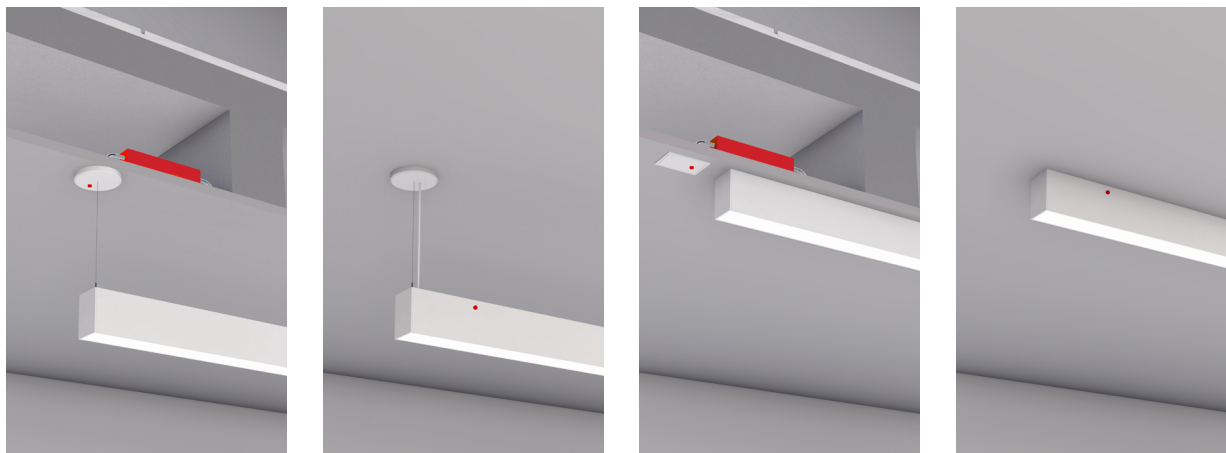


### Continuous Run



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

## INTERNAL & 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

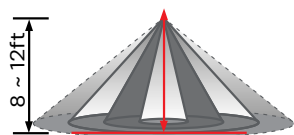
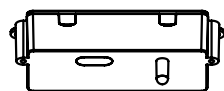


This internal microwave bi-level sensor system control is based on motion and/or daylight contribution with a harvest feature, detecting a 360° range for some areas that require a light change notice before switching off.



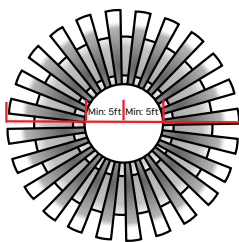
### Specification

|                                               |                                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------|
| 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

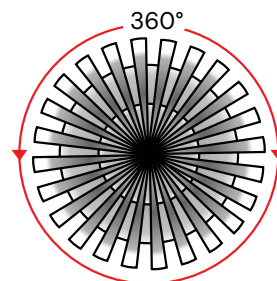
Max: 26ft



(Height of installation 8ft)  
Detection Range

Max: 26ft

Max: 26ft

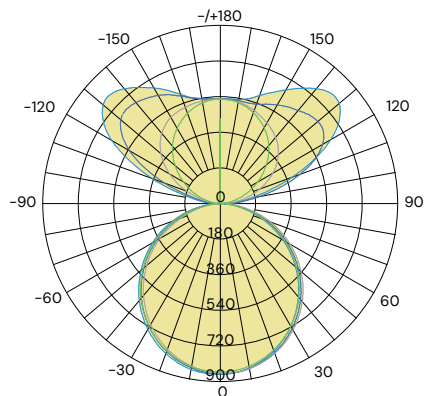


Detection Angle

## PHOTOMETRY

Pendant and Wall

4' Flat/ 50% Up, 50% Down/ 4000K



AVERAGE BEAM ANGLE (50%): 360.0°

Lumens: 4739.1 Lm  
Watts: 40 W  
LPW: 118.48 Lm/W  
CCT: 4000K

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

Zonal Flux Diagram

| T   | C0                    | C45   | C90   | C135  | C180  |
|-----|-----------------------|-------|-------|-------|-------|
| 5   | 857.7                 | 858.1 | 847.3 | 841.0 | 861.4 |
| 10  | 844.1                 | 849.1 | 835.1 | 821.8 | 851.1 |
| 15  | 822.1                 | 831.6 | 815.6 | 795.4 | 833.5 |
| 20  | 792.8                 | 807.2 | 788.8 | 762.5 | 807.4 |
| 25  | 757.1                 | 775.5 | 755.5 | 723.0 | 774.6 |
| 30  | 716.2                 | 737.2 | 715.9 | 677.7 | 735.6 |
| 35  | 667.9                 | 693.4 | 670.2 | 627.5 | 690.3 |
| 40  | 616.1                 | 644.0 | 619.9 | 572.8 | 639.9 |
| 45  | 559.4                 | 589.1 | 564.3 | 513.7 | 585.0 |
| 50  | 499.2                 | 530.9 | 505.0 | 451.3 | 525.8 |
| 55  | 434.1                 | 468.3 | 441.5 | 385.1 | 462.7 |
| 60  | 365.3                 | 402.1 | 374.7 | 315.6 | 395.8 |
| 65  | 295.4                 | 332.9 | 305.0 | 244.5 | 326.8 |
| 70  | 224.4                 | 260.6 | 232.0 | 174.7 | 254.3 |
| 75  | 154.3                 | 189.1 | 161.3 | 108.6 | 184.1 |
| 80  | 90.07                 | 120.5 | 95.53 | 51.77 | 117.0 |
| 85  | 36.95                 | 60.98 | 41.01 | 10.68 | 58.12 |
| 90  | 39.69                 | 49.44 | 5.334 | 21.91 | 41.89 |
| 95  | 85.06                 | 88.27 | 21.25 | 52.16 | 75.79 |
| 100 | 151.2                 | 163.7 | 51.22 | 102.9 | 136.5 |
| 105 | 253.3                 | 249.8 | 89.41 | 186.2 | 230.4 |
| 110 | 384.4                 | 328.2 | 131.1 | 278.8 | 362.9 |
| 115 | 522.2                 | 393.5 | 175.2 | 367.8 | 502.4 |
| 120 | 647.4                 | 443.0 | 219.3 | 441.8 | 634.5 |
| 125 | 736.9                 | 476.4 | 263.0 | 496.2 | 724.5 |
| 130 | 787.6                 | 497.4 | 305.2 | 530.7 | 775.5 |
| 135 | 790.8                 | 509.9 | 345.3 | 550.9 | 783.9 |
| 140 | 758.4                 | 518.4 | 382.3 | 561.8 | 757.7 |
| 145 | 711.4                 | 519.9 | 415.5 | 567.2 | 716.9 |
| 150 | 663.4                 | 517.6 | 443.7 | 564.1 | 675.3 |
| 155 | 619.4                 | 514.2 | 468.7 | 554.3 | 630.8 |
| 160 | 581.3                 | 514.0 | 489.8 | 540.6 | 586.6 |
| 165 | 549.4                 | 519.6 | 506.9 | 535.1 | 554.4 |
| 170 | 534.3                 | 524.9 | 518.7 | 530.1 | 537.2 |
| 175 | 531.2                 | 528.0 | 526.1 | 528.6 | 529.6 |
| 180 | 529.9                 | 529.8 | 529.8 | 529.8 | 529.9 |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |

Zonal Lumens

| T        | Φ total |
|----------|---------|
| 0-5      | 20.42   |
| 5-10     | 80.98   |
| 10-15    | 179.6   |
| 15-20    | 312.7   |
| 20-25    | 475.8   |
| 25-30    | 663.4   |
| 30-35    | 869.1   |
| 35-40    | 1086    |
| 40-45    | 1307    |
| 45-50    | 1525    |
| 50-55    | 1733    |
| 55-60    | 1924    |
| 60-65    | 2092    |
| 65-70    | 2230    |
| 70-75    | 2336    |
| 75-80    | 2408    |
| 80-85    | 2448    |
| 85-90    | 2466    |
| 90-95    | 2489    |
| 95-100   | 2533    |
| 100-105  | 2611    |
| 105-110  | 2730    |
| 110-115  | 2888    |
| 115-120  | 3081    |
| 120-125  | 3295    |
| 125-130  | 3517    |
| 130-135  | 3735    |
| 135-140  | 3940    |
| 140-145  | 4125    |
| 145-150  | 4287    |
| 150-155  | 4426    |
| 155-160  | 4539    |
| 160-165  | 4626    |
| 165-170  | 4689    |
| 170-175  | 4726    |
| 175-180  | 4739    |
| UNIT: lm |         |

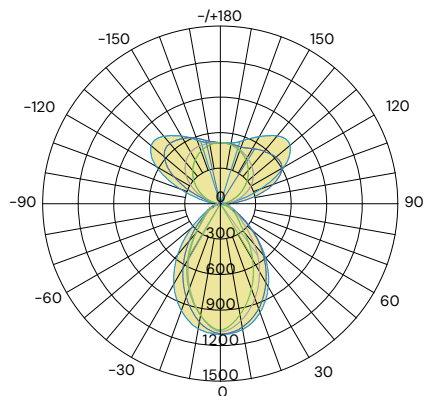
Luminance cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85     | 5888   | 6535    |
| 80     | 7204   | 7641    |
| 75     | 8283   | 8654    |
| 70     | 9112   | 9422    |
| 65     | 9708   | 10024   |
| 60     | 10148  | 10409   |
| 55     | 10512  | 10690   |
| 50     | 10787  | 10912   |
| 45     | 10988  | 11085   |

## PHOTOMETRY

### Pendant and Wall

#### 4' / Louver / 50% Up, 50% Down / 4000K



AVERAGE BEAM ANGLE (50%): 191.7°

Lumens: 3865.5 Lm  
Watts: 40 W  
LPW: 96.64 Lm/W  
CCT: 4000K

UNIT:cd  
C0/180, 324.8°  
C60/240, 65.6°  
C30/270, 314.8°  
C90/270, 61.7°

#### Zonal Flux Diagram

| T   | C0                    | C45   | C90   | C135   | C180  |
|-----|-----------------------|-------|-------|--------|-------|
| 5   | 1100                  | 1077  | 1028  | 1015   | 1096  |
| 10  | 1080                  | 1035  | 954.1 | 927.2  | 1072  |
| 15  | 1041                  | 977.1 | 866.4 | 828.8  | 1028  |
| 20  | 979.0                 | 906.2 | 768.3 | 723.1  | 961.9 |
| 25  | 903.0                 | 823.8 | 661.9 | 612.2  | 881.6 |
| 30  | 812.0                 | 730.3 | 548.8 | 499.4  | 787.4 |
| 35  | 706.6                 | 628.1 | 432.8 | 390.0  | 679.1 |
| 40  | 591.3                 | 522.4 | 316.4 | 290.5  | 560.6 |
| 45  | 471.1                 | 417.4 | 235.2 | 206.1  | 439.0 |
| 50  | 351.7                 | 316.7 | 194.1 | 152.0  | 319.5 |
| 55  | 244.0                 | 231.3 | 158.3 | 115.4  | 215.3 |
| 60  | 160.0                 | 176.7 | 126.5 | 85.60  | 138.9 |
| 65  | 117.8                 | 138.1 | 98.45 | 60.39  | 105.0 |
| 70  | 83.27                 | 105.6 | 73.47 | 38.44  | 73.07 |
| 75  | 55.29                 | 77.53 | 51.06 | 19.18  | 46.75 |
| 80  | 32.44                 | 53.30 | 31.05 | 2.405  | 25.50 |
| 85  | 13.97                 | 49.71 | 13.08 | 0.4994 | 7.709 |
| 90  | 29.54                 | 66.04 | 1.446 | 0.4677 | 28.35 |
| 95  | 70.36                 | 110.9 | 14.68 | 27.90  | 68.82 |
| 100 | 133.0                 | 190.9 | 43.89 | 68.63  | 129.1 |
| 105 | 228.5                 | 270.2 | 80.50 | 137.4  | 223.0 |
| 110 | 355.3                 | 337.7 | 121.1 | 230.3  | 353.8 |
| 115 | 492.0                 | 391.6 | 164.4 | 234.5  | 492.5 |
| 120 | 619.5                 | 430.1 | 208.1 | 409.1  | 623.0 |
| 125 | 713.4                 | 455.4 | 251.6 | 474.8  | 712.6 |
| 130 | 768.4                 | 471.2 | 292.9 | 520.3  | 762.4 |
| 135 | 777.3                 | 482.8 | 332.0 | 546.0  | 769.7 |
| 140 | 748.7                 | 488.8 | 368.7 | 559.9  | 743.5 |
| 145 | 702.6                 | 489.1 | 402.4 | 567.3  | 703.2 |
| 150 | 654.4                 | 489.0 | 431.7 | 567.4  | 661.0 |
| 155 | 609.5                 | 490.4 | 456.6 | 557.6  | 615.5 |
| 160 | 570.4                 | 497.4 | 477.9 | 544.6  | 571.4 |
| 165 | 537.7                 | 505.0 | 495.6 | 530.6  | 539.5 |
| 170 | 521.3                 | 510.4 | 508.1 | 524.3  | 523.3 |
| 175 | 517.3                 | 513.0 | 515.4 | 517.9  | 516.2 |
| 180 | 516.7                 | 516.6 | 516.5 | 516.6  | 516.7 |
| DEG | LUMINOUS INTENSITY:cd |       |       |        |       |

#### Zonal Lumens

| T        | Φ total |
|----------|---------|
| 0-5      | 25.57   |
| 5-10     | 99.25   |
| 10-15    | 214.1   |
| 15-20    | 361.0   |
| 20-25    | 529.2   |
| 25-30    | 707.3   |
| 30-35    | 883.4   |
| 35-40    | 1047    |
| 40-45    | 1189    |
| 45-50    | 1308    |
| 50-55    | 1405    |
| 55-60    | 1483    |
| 60-65    | 1543    |
| 65-70    | 1590    |
| 70-75    | 1624    |
| 75-80    | 1647    |
| 80-85    | 1660    |
| 85-90    | 1672    |
| 90-95    | 1692    |
| 95-100   | 1734    |
| 100-105  | 1808    |
| 105-110  | 1919    |
| 110-115  | 2069    |
| 115-120  | 2252    |
| 120-125  | 2457    |
| 125-130  | 2672    |
| 130-135  | 2883    |
| 135-140  | 3082    |
| 140-145  | 3263    |
| 145-150  | 3422    |
| 150-155  | 3558    |
| 155-160  | 3669    |
| 160-165  | 3755    |
| 165-170  | 3816    |
| 170-175  | 3853    |
| 175-180  | 3866    |
| UNIT: lm |         |

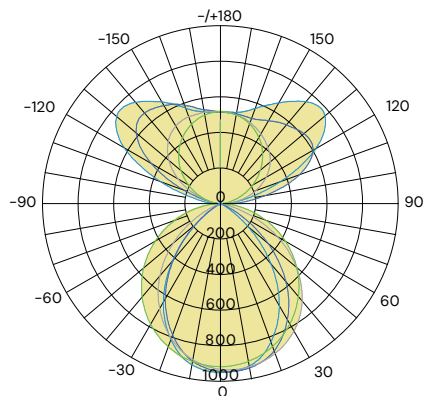
#### Luminance cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85     | 2227   | 2085    |
| 80     | 2595   | 2483    |
| 75     | 2967   | 2740    |
| 70     | 3381   | 2983    |
| 65     | 3871   | 3236    |
| 60     | 4444   | 3513    |
| 55     | 5907   | 3834    |
| 50     | 7599   | 4195    |
| 45     | 9253   | 4620    |

## PHOTOMETRY

### Pendant and Wall

4' / Regressed / 50% Up, 50% Down / 4000K



AVERAGE BEAM ANGLE (50%): 360.0°

Lumens: 4070.6 Lm  
Watts: 40 W  
LPW: 101.77 Lm/W  
CCT: 4000K

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

Zonal Flux Diagram

| T   | C0                    | C45   | C90   | C135   | C180   |
|-----|-----------------------|-------|-------|--------|--------|
| 5   | 946.0                 | 943.5 | 913.4 | 885.0  | 943.1  |
| 10  | 928.1                 | 938.5 | 901.8 | 838.4  | 921.2  |
| 15  | 891.1                 | 924.5 | 882.1 | 780.3  | 879.6  |
| 20  | 829.8                 | 899.4 | 855.9 | 712.6  | 814.6  |
| 25  | 753.7                 | 861.8 | 822.4 | 634.8  | 735.7  |
| 30  | 663.4                 | 806.8 | 781.9 | 546.8  | 643.6  |
| 35  | 558.1                 | 738.1 | 734.7 | 449.6  | 536.2  |
| 40  | 442.7                 | 657.8 | 682.4 | 347.7  | 418.9  |
| 45  | 322.4                 | 567.3 | 623.8 | 243.4  | 299.6  |
| 50  | 204.9                 | 466.2 | 560.3 | 143.4  | 181.6  |
| 55  | 101.4                 | 356.7 | 492.9 | 60.86  | 84.70  |
| 60  | 27.77                 | 244.0 | 420.8 | 10.84  | 16.86  |
| 65  | 4.112                 | 135.5 | 345.9 | 1.668  | 4.051  |
| 70  | 2.630                 | 47.83 | 268.2 | 1.816  | 2.600  |
| 75  | 1.706                 | 3.690 | 190.8 | 1.167  | 1.677  |
| 80  | 1.065                 | 1.703 | 117.4 | 0.7295 | 1.033  |
| 85  | 0.7453                | 18.53 | 49.22 | 0.4487 | 0.6440 |
| 90  | 29.42                 | 53.07 | 1.509 | 0.3989 | 28.29  |
| 95  | 70.27                 | 110.8 | 14.82 | 27.83  | 68.73  |
| 100 | 132.9                 | 190.9 | 44.10 | 68.59  | 129.0  |
| 105 | 228.4                 | 270.2 | 80.81 | 137.5  | 222.8  |
| 110 | 355.1                 | 337.7 | 121.5 | 230.3  | 353.6  |
| 115 | 491.8                 | 391.5 | 164.9 | 324.7  | 492.3  |
| 120 | 619.3                 | 430.1 | 208.7 | 409.3  | 622.8  |
| 125 | 713.2                 | 455.4 | 252.3 | 475.1  | 712.4  |
| 130 | 768.2                 | 471.2 | 293.6 | 520.7  | 762.1  |
| 135 | 777.1                 | 482.9 | 332.7 | 546.4  | 769.5  |
| 140 | 748.5                 | 488.9 | 369.4 | 560.2  | 743.3  |
| 145 | 702.4                 | 489.3 | 403.0 | 567.7  | 703.0  |
| 150 | 654.2                 | 489.1 | 432.2 | 567.7  | 660.9  |
| 155 | 609.3                 | 490.4 | 457.0 | 557.9  | 615.3  |
| 160 | 570.3                 | 497.3 | 478.0 | 544.8  | 571.3  |
| 165 | 537.6                 | 504.9 | 495.7 | 530.8  | 539.4  |
| 170 | 521.2                 | 510.3 | 508.1 | 524.4  | 523.2  |
| 175 | 517.2                 | 512.8 | 515.3 | 518.0  | 516.1  |
| 180 | 516.6                 | 516.4 | 516.4 | 516.4  | 516.6  |
| DEG | LUMINOUS INTENSITY:cd |       |       |        |        |

Zonal Lumens

| T        | Φ total |
|----------|---------|
| 0-5      | 22.14   |
| 5-10     | 87.59   |
| 10-15    | 193.3   |
| 15-20    | 334.1   |
| 20-25    | 503.1   |
| 25-30    | 691.8   |
| 30-35    | 890.3   |
| 35-40    | 1088    |
| 40-45    | 1275    |
| 45-50    | 1441    |
| 50-55    | 1579    |
| 55-60    | 1686    |
| 60-65    | 1763    |
| 65-70    | 1815    |
| 70-75    | 1846    |
| 75-80    | 1862    |
| 80-85    | 1868    |
| 85-90    | 1875    |
| 90-95    | 1894    |
| 95-100   | 1936    |
| 100-105  | 2010    |
| 105-110  | 2122    |
| 110-115  | 2272    |
| 115-120  | 2455    |
| 120-125  | 2661    |
| 125-130  | 2876    |
| 130-135  | 3087    |
| 135-140  | 3287    |
| 140-145  | 3468    |
| 145-150  | 3627    |
| 150-155  | 3763    |
| 155-160  | 3874    |
| 160-165  | 3960    |
| 165-170  | 4021    |
| 170-175  | 4058    |
| 175-180  | 4071    |
| UNIT: lm |         |

Luminance cd/(m2)

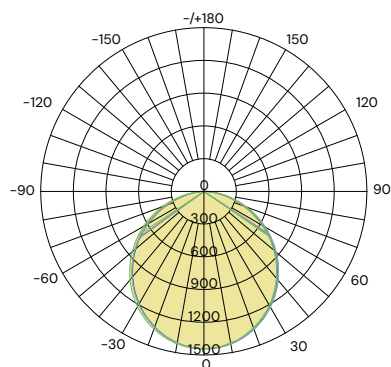
| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85     | 119    | 7843    |
| 80     | 85     | 9390    |
| 75     | 92     | 10237   |
| 70     | 107    | 10891   |
| 65     | 135    | 11369   |
| 60     | 771    | 11690   |
| 55     | 2455   | 11935   |
| 50     | 4427   | 12107   |
| 45     | 6332   | 12253   |



## PHOTOMETRY

### Surface

#### 4' Flat/ 100% Down/ 4000K



AVERAGE BEAM ANGLE (50%): 111.3°

Lumens: 4069.1 Lm  
Watts: 40 W  
LPW: 104.21Lm/W  
CCT: 4000K

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 |        |        |        |        |

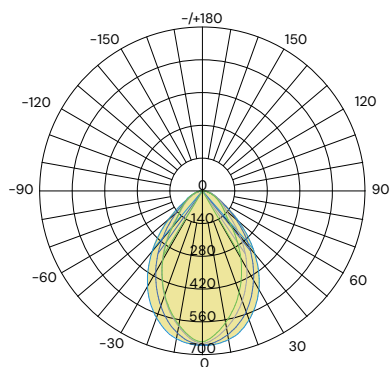
Zonal Lumens

| 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' Louver/ 100% Down/ 4000K



AVERAGE BEAM ANGLE (50%): 71.1°

Lumens: 2851.01 Lm  
Watts: 40 W  
LPW: 72.74 Lm/W  
CCT: 4000K

UNIT:cd

— C0/180, 81.8°  
— C60/240, 66.0°  
— C30/270, 74.5°  
— C90/270, 62.1°

Zonal Flux Diagram

| T   | C0                    | C45    | C90    | C135   | C180   |
|-----|-----------------------|--------|--------|--------|--------|
| 10  | 645.7                 | 610.0  | 572.8  | 575.5  | 641.7  |
| 20  | 587.1                 | 526.2  | 462.3  | 462.7  | 577.7  |
| 30  | 486.9                 | 413.4  | 331.5  | 334.2  | 473.3  |
| 40  | 351.7                 | 286.0  | 191.4  | 205.6  | 336.2  |
| 50  | 205.1                 | 164.5  | 118.0  | 108.3  | 190.8  |
| 60  | 90.14                 | 93.22  | 76.60  | 62.48  | 83.96  |
| 70  | 48.20                 | 54.13  | 44.63  | 31.41  | 45.20  |
| 80  | 18.14                 | 24.87  | 19.03  | 7.752  | 16.38  |
| 90  | 0.0943                | 2.294  | 0.0883 | 0.0823 | 0.0696 |
| 100 | 0.0964                | 0.1004 | 0.0997 | 0.1329 | 0.1092 |
| 110 | 0.1738                | 0.1566 | 0.1725 | 0.2238 | 0.1899 |
| 120 | 0.3161                | 0.2657 | 0.2690 | 0.3677 | 0.3403 |
| 130 | 0.5296                | 0.4396 | 0.4225 | 0.5662 | 0.5586 |
| 140 | 0.7842                | 0.6746 | 0.6471 | 0.8129 | 0.8181 |
| 150 | 1.061                 | 0.9656 | 0.9161 | 1.073  | 1.087  |
| 160 | 1.341                 | 1.250  | 1.209  | 1.318  | 1.338  |
| 170 | 1.532                 | 1.462  | 1.427  | 1.492  | 1.541  |
| 180 | 1.601                 | 1.541  | 1.498  | 1.507  | 1.609  |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |

Zonal Lumens

| T        | φ total |
|----------|---------|
| 0-10     | 59.69   |
| 10-20    | 217.7   |
| 20-30    | 427.4   |
| 30-40    | 632.8   |
| 40-50    | 788.8   |
| 50-60    | 891.2   |
| 60-70    | 954.3   |
| 70-80    | 987.8   |
| 80-90    | 997.0   |
| 90-100   | 997.3   |
| 100-110  | 997.4   |
| 110-120  | 997.7   |
| 120-130  | 998.0   |
| 130-140  | 998.4   |
| 140-150  | 999.0   |
| 150-160  | 999.5   |
| 160-170  | 999.9   |
| 170-180  | 1000    |
| UNIT: lm |         |

Luminance cd/(m2)

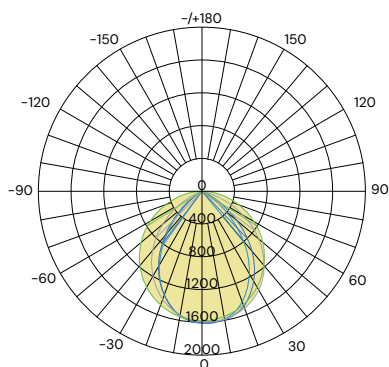
| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85     | 3109   | 3709    |
| 80     | 4137   | 4340    |
| 75     | 4858   | 4760    |
| 70     | 5581   | 5167    |
| 65     | 6368   | 5591    |
| 60     | 7139   | 6066    |
| 55     | 9642   | 6635    |
| 50     | 12635  | 7267    |
| 45     | 15571  | 7976    |



## PHOTOMETRY

### Surface

4' Regressed/100% Down/ 4000K



AVERAGE BEAM ANGLE (50%): 92.7°

Lumens: 3185.10 Lm  
Watts: 40 W  
LPW: 81.30 Lm/W  
CCT: 4000K

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

Zonal Flux Diagram

| °   | 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

| °        | 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

|        | ALCON<br>L I G H T I N G                                             | LUTRON    | LEVITON®  |
|--------|----------------------------------------------------------------------|-----------|-----------|
| 0-10 V | <a href="#">2100</a><br><a href="#">2101</a><br><a href="#">2102</a> | Diva DDTV | IP-710-DL |

## COLOR TEMPERATURE GUIDE

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| <b>2700K</b>                                                                        | <b>3000K</b>                                                                        | <b>3500K</b>                                                                        | <b>4000K</b>                                                                          | <b>5000K</b>                                                                          |
| WARM<br>WHITE                                                                       | SOFT WHITE<br>GLOW                                                                  | NEUTRAL<br>GLOW                                                                     | COOL WHITE<br>GLOW                                                                    | DAYLIGHT<br>GLOW                                                                      |
| friendly<br>personal<br>intimate                                                    | soft<br>warm<br>pleasing                                                            | sociable<br>inviting<br>non-threatening                                             | neat<br>clean<br>efficient                                                            | bright<br>cool<br>alert                                                               |
| HOMES<br>LIBRARIES<br>RESTAURANTS                                                   | HOMES<br>HOTEL ROOMS<br>LOBBIES<br>RETAIL STORES                                    | EXECUTIVE OFFICES<br>RECEPTION AREAS<br>SUPERMARKETS                                | OFFICES<br>CLASSROOMS<br>MASS MERCHANTISERS<br>SHOWROOMS                              | GRAPHICS INDUSTRY<br>HOSPITALS<br>GALLERIES<br>BEAUTY SALONS                          |
| X                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                     | X                                                                                     |