



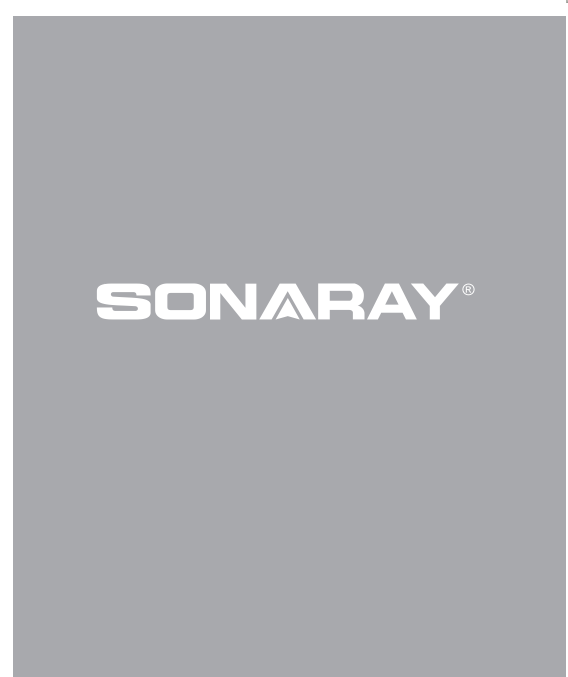
SONARAY[®]
Lighting everyone's dreams





Our Mission

To create and contribute to a more intelligent and sustainable planet and a better human condition by offering innovative LED lighting solutions.



**Development &
Manufacturing**



Service

ORGANIZATION

SONARAY™ is one of the most progressive LED lighting brands in a field that demands stringent quality and technical expertise. Our combination of experienced engineering, innovative thinking, and the best in raw materials allow us to produce exceptional quality industrial and commercial luminaires.

We are inspired not only to produce quality products but to improve the human condition – at work and in society. Our commitment to a cleaner and greener world is evident in our development and manufacturing facilities in both China and the United States. We collaborate as a global company, seeking to draw upon the best minds in LED technology and product development worldwide. Our goal is to produce lighting that is energy efficient and long lasting with the ultimate mission of leaving an indelible footprint on the world of tomorrow.

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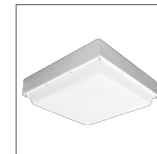
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LED FLOOD LIGHT

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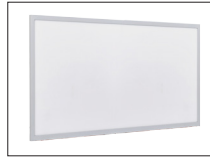
LED PANEL

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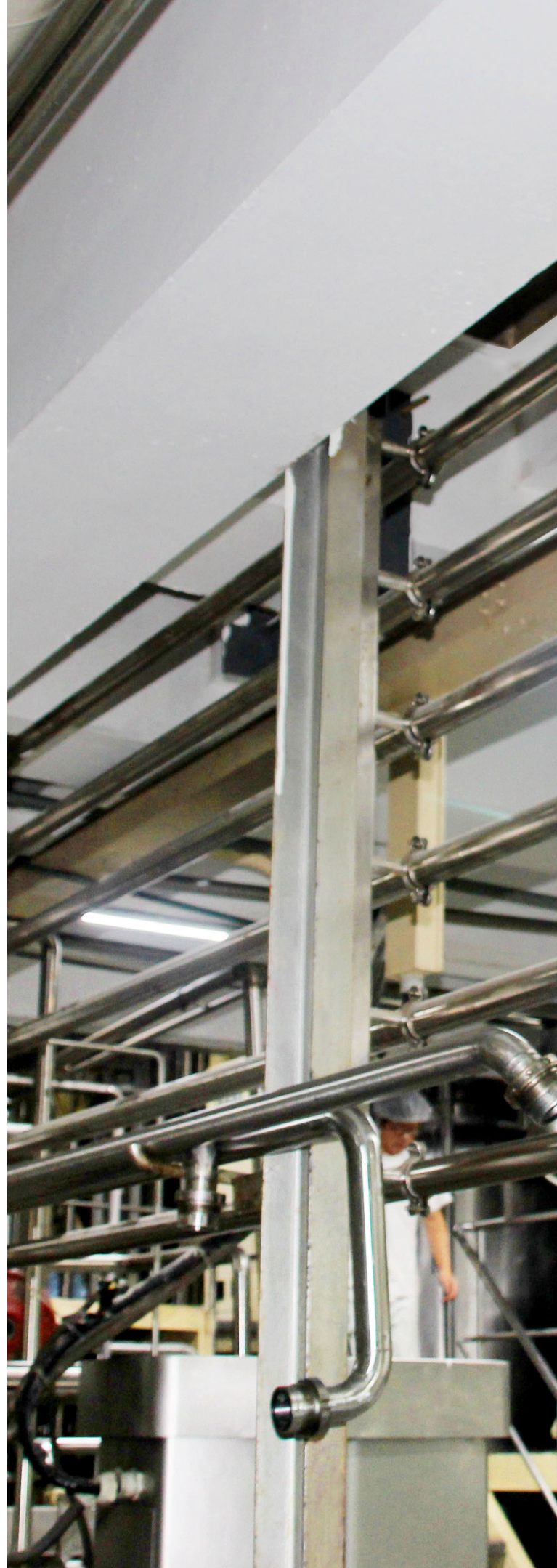
MATRIX LED LIGHT BAR



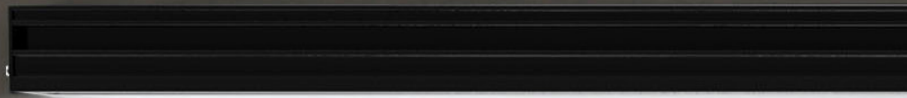
MATRIX LED LIGHT BAR
Mounted-Driver Version



MATRIX LED LIGHT BAR
External-Driver Version







MATRIX LED LIGHT BAR



Modularity

Cleverly designed to allow for a variety of flexible combinations and installations. Using brackets allows for diverse options and easy installation.



Excellent Heat Dissipation

Stringently selected materials provide for a steady dissipation of heat throughout the whole system, in turn allowing a longer lifetime for the luminaire.



Quality Core Components

Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality SMD packages – chipsets that have great quality and long life as backed by an LM-80 report. Quality inside the luminaires that shines on the outside.



Desirable CRI (Ra)

With a CRI (Ra) of 80, SONARAY's Light Bars bring out the colors you want - wherever and however you decide to install them.



Energy Saving

The combination of high-efficacy LED components with excellent whole system design has SONARAY LED lighting achieving energy savings of 40% - 80% compared with traditional light sources.



Attractive Housing

In addition to being a versatile, well functioning luminaire, SONARAY's Light Bar is aesthetically pleasing. Recessed or exposed, single or combined, the Matrix Light Bar looks good and works well. Here, form and function come together.



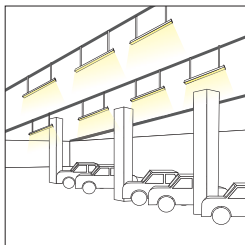


MATRIX LED LIGHT BAR

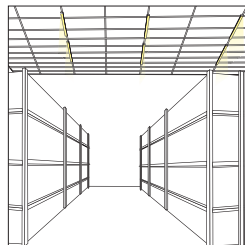




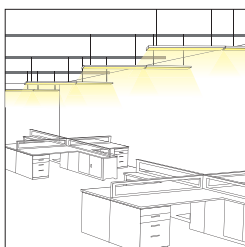
Applications:



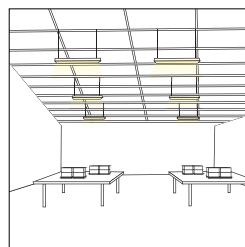
Parking Garages



Warehouses



Offices



Food Production Lines

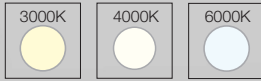


MATRIX LED LIGHT BAR

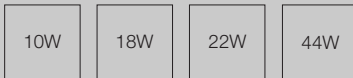
Mounted-Driver Version (Non-Dimmable)



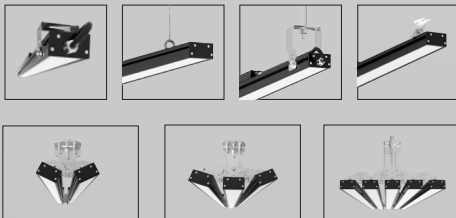
Color Temperatures



System Wattages



Brackets:



High Protection Rating

IP54 design mitigates damage being caused by steam and fumes permeating the luminaires.

High Temperature Resistance

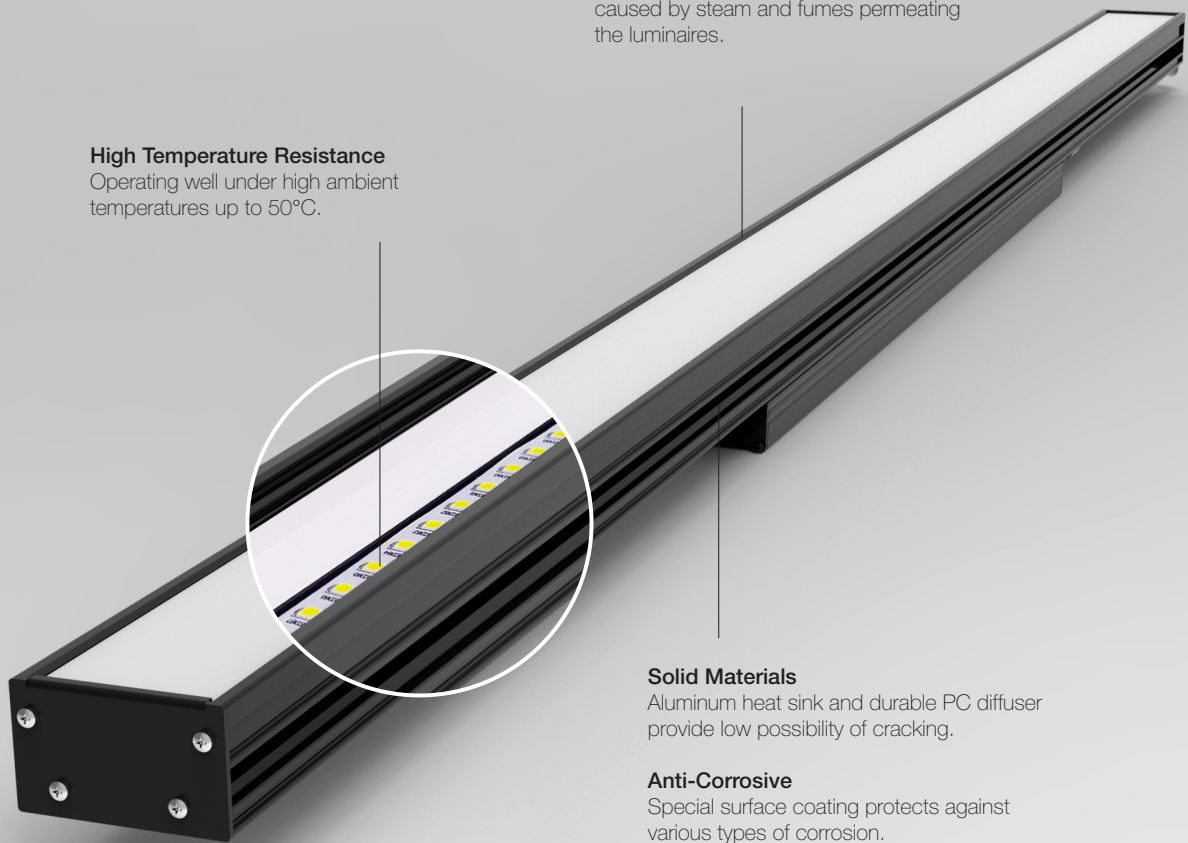
Operating well under high ambient temperatures up to 50°C.

Solid Materials

Aluminum heat sink and durable PC diffuser provide low possibility of cracking.

Anti-Corrosive

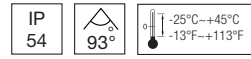
Special surface coating protects against various types of corrosion.





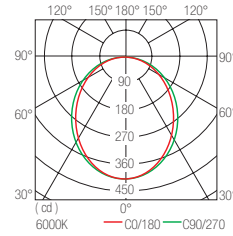
LB-1010A

10W 100-277V 1020lm 102lm/W
6000K Ra≥80



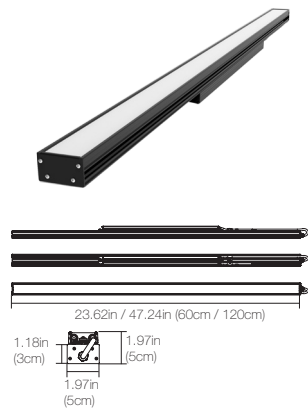
Material: Aluminum
Driver: Mounted
Weight: 1.2kg / 2.65lb

Housing Color: Black / White
Power Factor: ≥ 0.9
Lifetime: ≥ 40,000hrs



| 6000K | | |
|--------|-----------|----------|
| 1/3.3 | 404/37.53 | 201/79 |
| 2/6.6 | 101/9.38 | 403/159 |
| 3/9.8 | 45/4.18 | 604/238 |
| 4/13.1 | 25/2.32 | 805/317 |
| 5/16.4 | 16/1.49 | 1007/396 |

| Item No. | Housing Color |
|---------------------|---------------|
| LB-1010A-111 | Black |
| LB-1010A-114 | White |

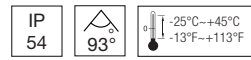


LB-1018A (23.62in / 60cm)

18W 100-277V 1728lm 96lm/W
6000K Ra≥80 93°

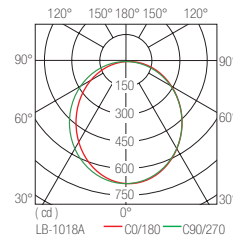
LB-1018B (47.24in / 120cm)

18W 100-277V 1908lm 106lm/W
6000K Ra≥80



Material: Aluminum
Driver: Mounted
Weight: 1.2kg / 2.65lb (23.62in / 60cm)
2kg / 4.41lb (47.24in / 120cm)

Housing Color: Black / White
Power Factor: ≥ 0.9
Lifetime: ≥ 40,000hrs



| LB-1018A | | |
|----------|-----------|----------|
| 1/3.3 | 724/67.26 | 204/80 |
| 2/6.6 | 181/16.82 | 408/161 |
| 3/9.8 | 80/7.43 | 612/241 |
| 4/13.1 | 45/4.18 | 816/321 |
| 5/16.4 | 29/2.69 | 1020/402 |

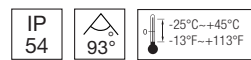
| Item No. | Housing Color |
|---------------------|---------------|
| LB-1018A-111 | Black |
| LB-1018A-114 | White |
| LB-1018B-111 | Black |
| LB-1018B-114 | White |

| LB-1018B | | |
|----------|-----------|----------|
| 1/3.3 | 747/69.4 | 203/80 |
| 2/6.6 | 187/17.37 | 406/160 |
| 3/9.8 | 83/4.37 | 610/240 |
| 4/13.1 | 47/4.37 | 813/320 |
| 5/16.4 | 30/2.79 | 1016/400 |



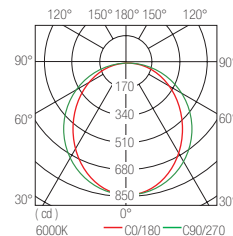
LB-1022B

22W 100-277V 2222lm 101lm/W
6000K Ra≥80



Material: Aluminum
Driver: Mounted
Weight: 2kg / 4.41lb

Housing Color: Black / White
Power Factor: ≥ 0.9
Lifetime: ≥ 40,000hrs



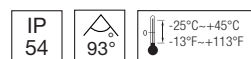
| 6000K | | |
|--------|----------|----------|
| 1/3.3 | 846/78.6 | 201/79 |
| 2/6.6 | 212/19.7 | 403/158 |
| 3/9.8 | 94/8.73 | 604/238 |
| 4/13.1 | 53/4.92 | 806/317 |
| 5/16.4 | 34/3.16 | 1007/396 |

| Item No. | Housing Color |
|---------------------|---------------|
| LB-1022B-111 | Black |
| LB-1022B-114 | White |



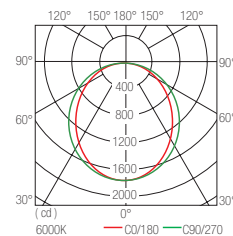
LB-1044B

44W 100-277V 4444lm 101lm/W
6000K Ra≥80



Material: Aluminum
Driver: Mounted
Weight: 2kg / 4.41lb

Housing Color: Black / White
Power Factor: ≥ 0.9
Lifetime: ≥ 40,000hrs



| 6000K | | |
|--------|-------------|----------|
| 1/3.3 | 1687/156.73 | 204/80 |
| 2/6.6 | 422/39.21 | 407/160 |
| 3/9.8 | 187/17.37 | 611/241 |
| 4/13.1 | 105/9.75 | 815/321 |
| 5/16.4 | 67/6.22 | 1018/401 |

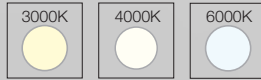
| Item No. | Housing Color |
|---------------------|---------------|
| LB-1044B111 | Black |
| LB-1044B-114 | White |

MATRIX LED LIGHT BAR

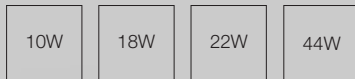
External-Driver Version (Dimmable)



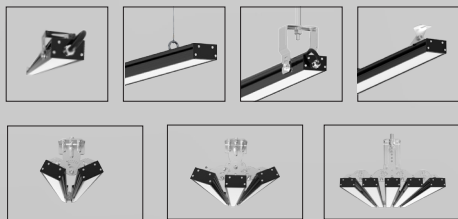
Color Temperatures



System Wattages

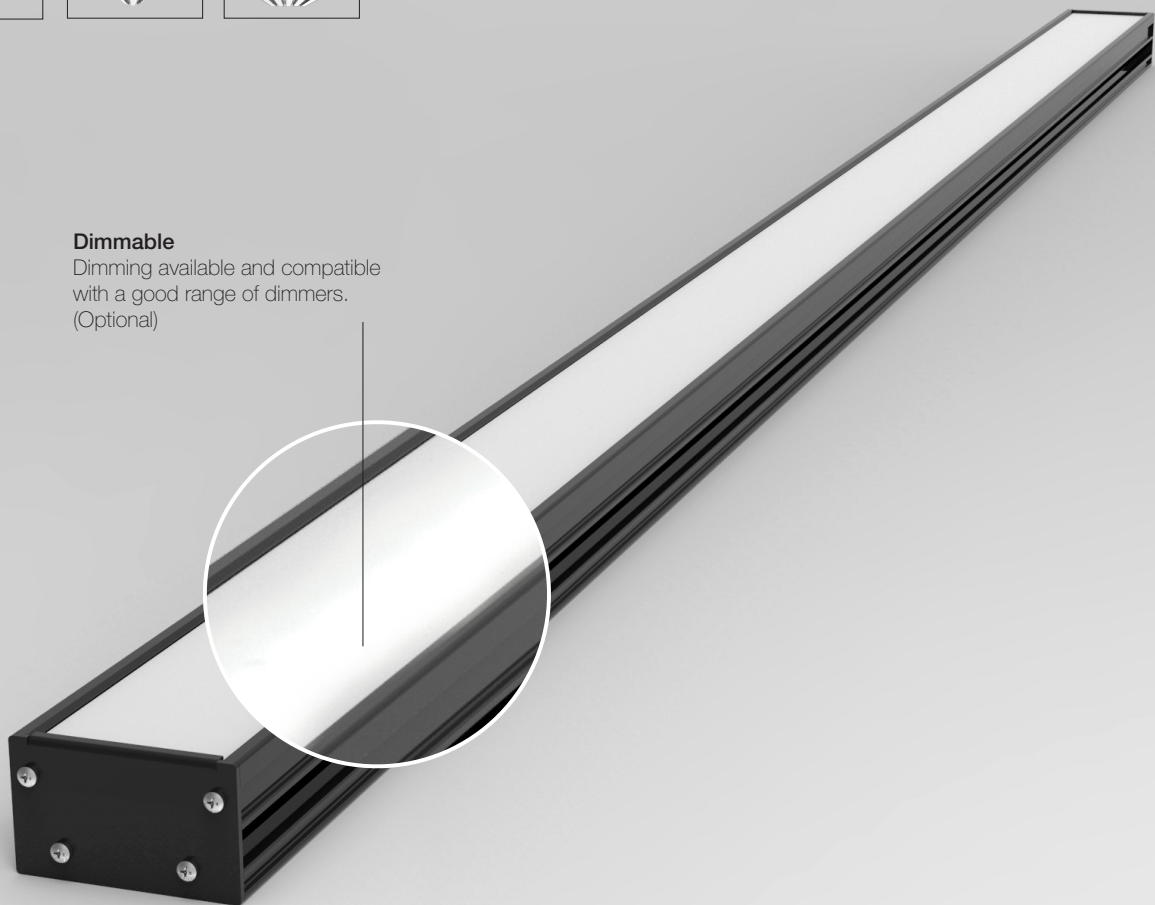


Brackets:




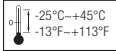
Dimmable

Dimming available and compatible with a good range of dimmers. (Optional)



LB-1010

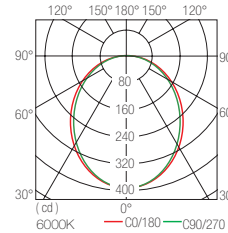
10W 100-277V 900lm 90lm/W
6000K Ra≥80

IP 20  

Material: Aluminum
Driver: External
Light Engine Weight: 0.81kg/1.79lb
Driver Weight: 0.09kg / 0.2lb

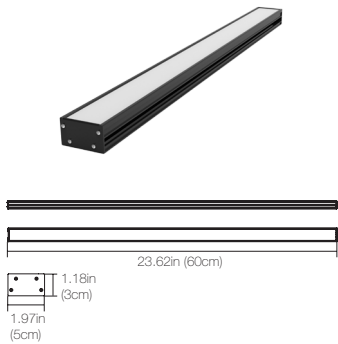
Housing Color: Black
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs



| 6000K | | |
|--------|-----------|----------|
| 1/3.3 | 399/39.02 | 212/83 |
| 2/6.6 | 100/9.29 | 424/167 |
| 3/9.8 | 44/4.09 | 637/251 |
| 4/13.1 | 25/2.32 | 849/334 |
| 5/16.4 | 16/1.49 | 1061/418 |



H(m/ft) E(lx/ftc) D(cm/in)

| Item No. | Housing Color |
|--------------------|---------------|
| LB-1010-114 | Black |



LB-1018 (23.62in / 60cm)
LB-1018 (47.24in / 120cm)

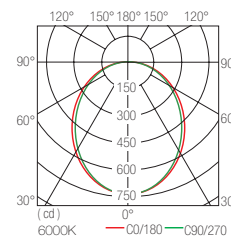
18W 100-277V 1728lm 96lm/W
6000K Ra≥80

IP 20  

Material: Aluminum
Driver: External
Light Engine Weight: 0.88kg / 1.94lb (23.62in / 60cm)
1.58kg / 3.48lb (47.24in / 120cm)
Driver Weight: 0.22kg / 0.49lb

Housing Color: Black
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs



| 6000K | | |
|--------|---------|----------|
| 1/3.3 | 732/68 | 217/85 |
| 2/6.6 | 183/17 | 433/170 |
| 3/9.8 | 81/7.53 | 650/256 |
| 4/13.1 | 46/4.27 | 867/341 |
| 5/16.4 | 29/2.69 | 1064/427 |

H(m/ft) E(lx/ftc) D(cm/in)

| Item No. | Dim. (cm / in) | Housing Color |
|--------------------|-----------------------|---------------|
| LB-1018-117 | 60 / 23.62(L) | Black |
| LB-1018-118 | 120 / 47.24(L) | Black |



LB-1022

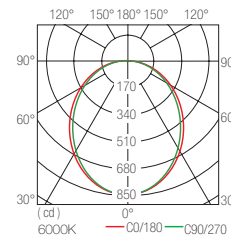
22W 100-277V 1980lm 90lm/W
6000K Ra≥80

IP 20  

Material: Aluminum
Driver: External
Light Engine Weight: 1.58kg / 3.48lb
Driver Weight: 0.22kg / 0.49lb

Housing Color: Black
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs



| 6000K | | |
|--------|-----------|----------|
| 1/3.3 | 842/78.22 | 214/84 |
| 2/6.6 | 211/19.6 | 428/169 |
| 3/9.8 | 94/8.73 | 642/253 |
| 4/13.1 | 53/4.92 | 856/337 |
| 5/16.4 | 34/3.16 | 1070/421 |


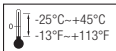
H(m/ft) E(lx/ftc) D(cm/in)

| Item No. | Housing Color |
|--------------------|---------------|
| LB-1022-114 | Black |



LB-1044

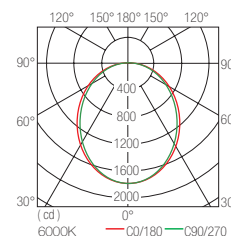
44W 100-277V 4048lm 92lm/W
6000K Ra≥80

IP 20  

Material: Aluminum
Driver: External
Light Engine Weight: 1.58kg / 3.48lb
Driver Weight: 0.22kg / 0.49lb

Housing Color: Black
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs



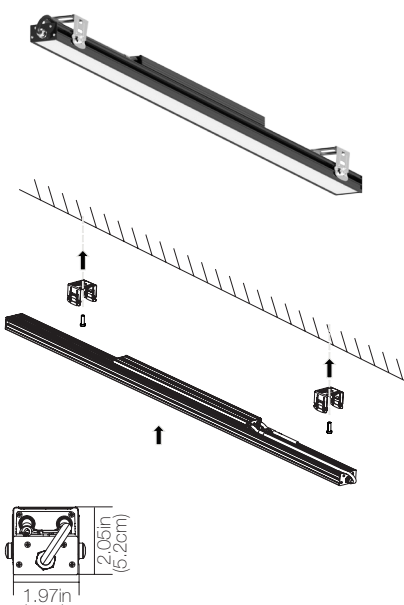
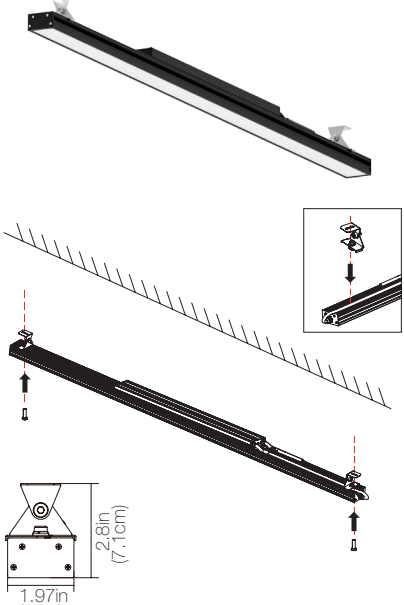
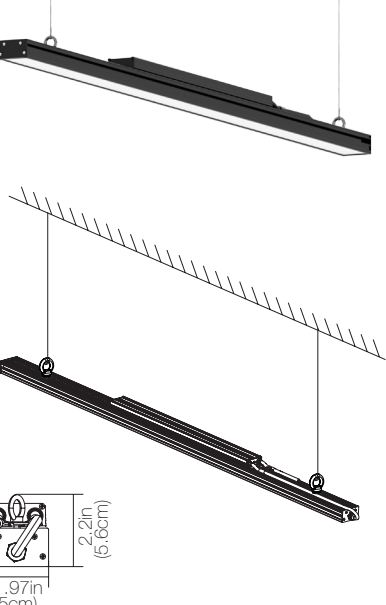
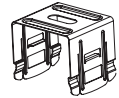


| 6000K | | |
|--------|-------------|----------|
| 1/3.3 | 1769/164.35 | 216/85 |
| 2/6.6 | 442/41.06 | 430/169 |
| 3/9.8 | 197/18.3 | 646/254 |
| 4/13.1 | 111/10.31 | 861/339 |
| 5/16.4 | 71/6.6 | 1076/424 |

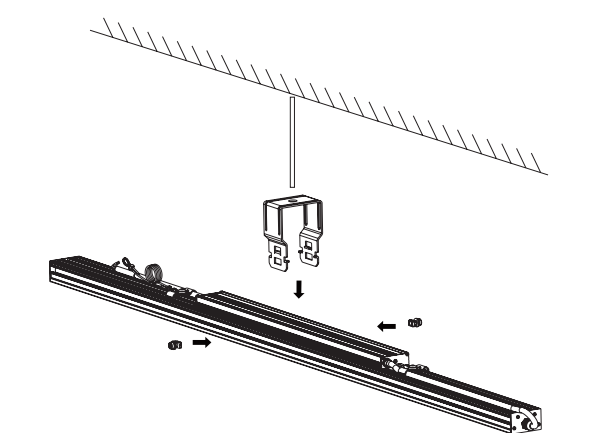
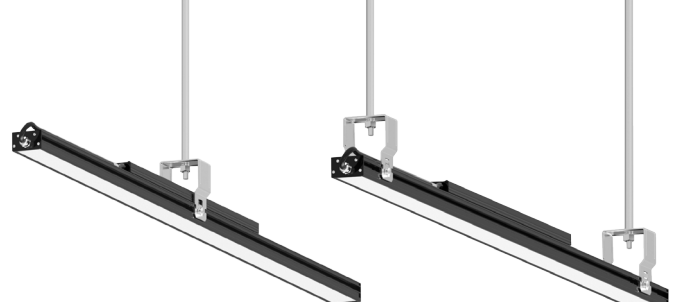
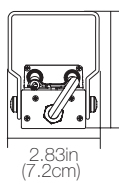
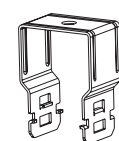
H(m/ft) E(lx/ftc) D(cm/in)

| Item No. | Housing Color |
|--------------------|---------------|
| LB-1044-114 | Black |



Installation Guide and Accessories for Single Units

| Ceiling Mount (I) | Ceiling Mount (II) | Pendant |
|--|--|--|
|  |  |  |
|  <p>Bracket set Order No: LB-1000A-J</p> |  <p>Bracket set Order No: LB-1000A-K</p> |  <p>O-ring set Order No: LB-1000A-E</p> |

| Pendant with Pole(s) | |
|--|---|
|  |  |
|  <p>Bracket set Order No: LB-1000A-A</p> |  <p>Bracket set Order No: LB-1000A-A</p> |

Installation Guide and Accessories for Multiple Units

2 Units

5.08in (12.9cm)
4.93in (11cm)

Bracket set
Order No: LB-1000A-B

3 Units

7.91in (20.1cm)
5.47in (13.9cm)

Bracket set
Order No: LB-1000A-C

5 Units

13.54in (34.4cm)
6.61in (16.8cm)

Bracket set
Order No: LB-1000A-D

Installation Guide for Multiple Units (Applicable for all 2-, 3-, 5-Unit Assemblies)

Description for Angle Adjustment of Light Bar

One notch 10°

Downward adjustable to 10°
Upward adjustable to 50°

ICE BREAKER LED HIGH BAY



45W/65W/85W



100W/130W/150W
/180W/200W




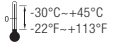
250W





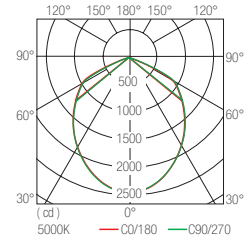
HB-2045LW

45W 100-277V 5400lm 120lm/W
5000K Ra≥70

IP 65  

Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight:
2.5kg / 5.51lb
Lampshade Weight:
0.6kg / 1.32lb


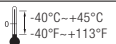


| H(m/ft) | E(lx/c) | D(cm/ft) |
|---------|------------|-----------|
| 1/3.3 | 2492/231.5 | 240/94 |
| 2/6.6 | 623/57.87 | 480/189 |
| 3/9.8 | 277/25.72 | 719/283 |
| 4/13.1 | 156/14.47 | 959/378 |
| 5/16.4 | 100/9.26 | 1199/472 |
| 6/19.7 | 69/6.43 | 1439/567 |
| 7/23 | 51/4.72 | 1679/661 |
| 8/26.2 | 39/3.62 | 1918/755 |
| 9/29.5 | 31/2.86 | 2158/850 |
| 10/32.8 | 25/2.32 | 2398/944 |
| 11/36.1 | 21/1.91 | 2638/1039 |
| 12/39.4 | 17/1.61 | 2878/1133 |
| 13/42.7 | 15/1.37 | 3118/1228 |
| 14/45.9 | 13/1.18 | 3357/1322 |
| 15/49.2 | 11/1.03 | 3597/1416 |

| Item No. | Housing Color |
|---------------|---------------|
| HB-2045LW-111 | Black |

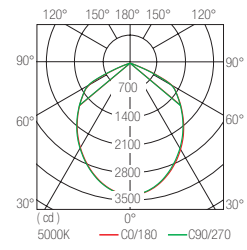
HB-2065LW

65W 100-277V 7280lm 112lm/W
5000K Ra≥70

IP 65  

Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight:
3.4kg / 7.5lb
Lampshade Weight:
0.6kg / 1.32lb


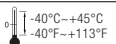


| H(m/ft) | E(lx/c) | D(cm/ft) |
|---------|-------------|-----------|
| 1/3.3 | 3296/306.21 | 239/94 |
| 2/6.6 | 824/76.55 | 478/188 |
| 3/9.8 | 366/34 | 718/283 |
| 4/13.1 | 206/19.14 | 957/377 |
| 5/16.4 | 132/12.27 | 1196/471 |
| 6/19.7 | 92/8.55 | 1435/565 |
| 7/23 | 67/6.22 | 1674/659 |
| 8/26.2 | 52/4.83 | 1913/753 |
| 9/29.5 | 41/3.81 | 2153/848 |
| 10/32.8 | 33/3.07 | 2392/942 |
| 11/36.1 | 27/2.51 | 2631/1036 |
| 12/39.4 | 23/2.14 | 2870/1130 |
| 13/42.7 | 20/1.86 | 3109/1224 |
| 14/45.9 | 17/1.58 | 3348/1318 |
| 15/49.2 | 15/1.39 | 3588/1413 |

| Item No. | Housing Color |
|---------------|---------------|
| HB-2065LW-111 | Black |

HB-2085LW

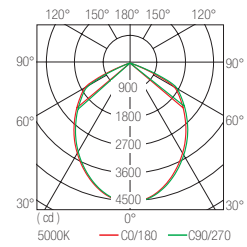
85W 100-240/277V 9860lm 116lm/W
5000K Ra≥70 100°

IP 65  



Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight:
3.7kg / 8.16lb
Lampshade Weight:
0.6kg / 1.32lb



| H(m/ft) | E(lx/c) | D(cm/ft) |
|---------|------------|-----------|
| 1/3.3 | 4476/415.8 | 237/93 |
| 2/6.6 | 1119/104 | 475/187 |
| 3/9.8 | 497/46.2 | 712/280 |
| 4/13.1 | 280/25.99 | 949/374 |
| 5/16.4 | 179/16.63 | 1187/467 |
| 6/19.7 | 124/11.55 | 1424/561 |
| 7/23 | 91/8.49 | 1661/654 |
| 8/26.2 | 70/6.5 | 1899/748 |
| 9/29.5 | 55/5.13 | 2138/841 |
| 10/32.8 | 45/4.16 | 2373/934 |
| 11/36.1 | 37/3.44 | 2611/1028 |
| 12/39.4 | 31/2.89 | 2848/1121 |
| 13/42.7 | 26/2.46 | 3085/1215 |
| 14/45.9 | 23/2.12 | 3323/1308 |
| 15/49.2 | 20/1.85 | 3560/1402 |

| Item No. | Housing Color |
|---------------|---------------|
| HB-2085LW-112 | Black |



HB-2100LW

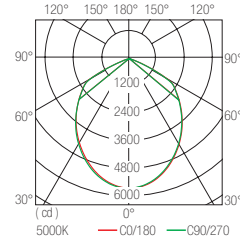
100W 100-240/277V 12,200lm 122lm/W
5000K Ra≥70

IP 65 100° -40°C~+45°C
-40°F~+113°F



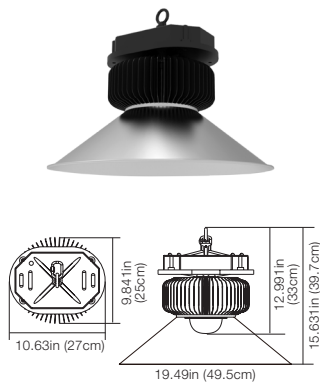
Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight:
4kg / 8.82lb
Lampshade Weight:
0.6kg / 1.32lb



| Item No. | Housing Color |
|---------------|---------------|
| HB-2100LW-112 | Black |

| H(m) | E(lm) | D(m) |
|---------|------------|-----------|
| 1/3.3 | 5663/516.8 | 242/85 |
| 2/6.6 | 1391/129.2 | 484/191 |
| 3/9.9 | 619/57.42 | 725/286 |
| 4/13.1 | 348/32.3 | 967/381 |
| 5/16.4 | 223/20.67 | 1209/476 |
| 6/19.7 | 155/14.26 | 1451/571 |
| 7/23 | 114/10.55 | 1692/666 |
| 8/26.2 | 87/8.08 | 1934/761 |
| 9/29.5 | 69/6.38 | 2176/857 |
| 10/32.8 | 56/5.17 | 2418/952 |
| 11/36.1 | 46/4.27 | 2660/1047 |
| 12/39.4 | 39/3.59 | 2901/1142 |
| 13/42.7 | 33/3.06 | 3143/1237 |
| 14/45.9 | 28/2.64 | 3385/1333 |
| 15/49.2 | 25/2.3 | 3627/1428 |



HB-2130LW

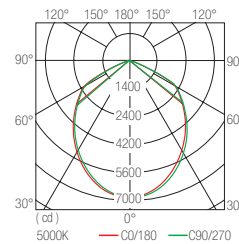
130W 100-240/277V 15,210lm 117lm/W
5000K Ra≥70

IP 65 100° -40°C~+45°C
-40°F~+113°F



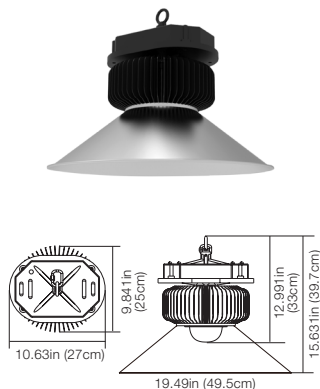
Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight:
5.2kg / 11.46lb
Lampshade Weight:
0.6kg / 1.32lb



| Item No. | Housing Color |
|---------------|---------------|
| HB-2130LW-111 | Black |

| H(m) | E(lm) | D(m) |
|---------|------------|-----------|
| 1/3.3 | 8860/637.3 | 242/95 |
| 2/6.6 | 1715/159.3 | 484/191 |
| 3/9.9 | 762/70.81 | 727/286 |
| 4/13.1 | 429/39.83 | 969/381 |
| 5/16.4 | 274/25.49 | 1211/477 |
| 6/19.7 | 191/17.7 | 1453/572 |
| 7/23 | 140/13.01 | 1695/667 |
| 8/26.2 | 107/9.96 | 1938/763 |
| 9/29.5 | 85/7.87 | 2180/858 |
| 10/32.8 | 69/6.37 | 2422/954 |
| 11/36.1 | 57/5.27 | 2664/1049 |
| 12/39.4 | 48/4.43 | 2906/1144 |
| 13/42.7 | 41/3.77 | 3149/1240 |
| 14/45.9 | 35/3.25 | 3391/1335 |
| 15/49.2 | 30/2.83 | 3633/1430 |



HB-2150LW

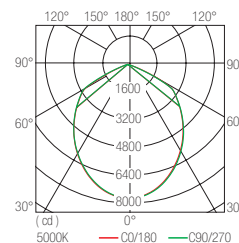
150W 100-240/277V 16,950lm 113lm/W
5000K Ra≥70

IP 65 100° -40°C~+45°C
-40°F~+113°F



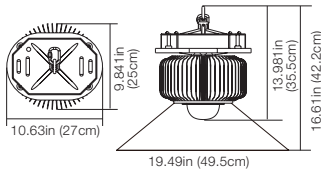
Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight:
5.2kg / 11.46lb
Lampshade Weight:
0.6kg / 1.32lb



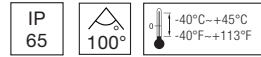
| Item No. | Housing Color |
|---------------|---------------|
| HB-2150LW-111 | Black |

| H(m) | E(lm) | D(m) |
|---------|------------|-----------|
| 1/3.3 | 7662/710.9 | 241/95 |
| 2/6.6 | 1913/177.7 | 483/190 |
| 3/9.9 | 850/78.99 | 724/285 |
| 4/13.1 | 478/44.43 | 965/380 |
| 5/16.4 | 306/28.44 | 1206/475 |
| 6/19.7 | 213/19.75 | 1448/570 |
| 7/23 | 156/14.51 | 1690/665 |
| 8/26.2 | 120/11.11 | 1932/760 |
| 9/29.5 | 94/8.78 | 2174/855 |
| 10/32.8 | 77/7.11 | 2413/950 |
| 11/36.1 | 63/5.88 | 2654/1045 |
| 12/39.4 | 53/4.94 | 2896/1140 |
| 13/42.7 | 45/4.21 | 3137/1235 |
| 14/45.9 | 39/3.63 | 3378/1330 |
| 15/49.2 | 34/3.16 | 3619/1225 |



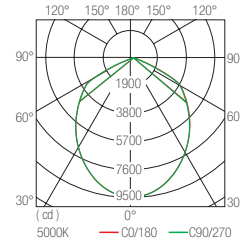
HB-2180LW

180W 100-240/277V 21,060lm 117lm/W
5000K Ra \geq 70



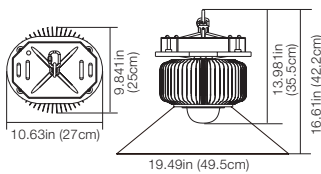
Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: \geq 0.9
Lifetime: \geq 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight: 6.2kg /13.67lb
Lampshade Weight: 0.6kg / 1.32lb



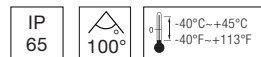
| Item No. | Housing Color |
|---------------|---------------|
| HB-2180LW-111 | Black |

| H(m/ft) | E(lm/ft) | D(cm/in) |
|---------|------------|-----------|
| 1/3.3 | 9450/878.1 | 272/107 |
| 2/6.6 | 2363/219.5 | 483/190 |
| 3/9.8 | 1050/97.56 | 725/285 |
| 4/13.1 | 591/54.88 | 967/381 |
| 5/16.4 | 378/35.12 | 1209/476 |
| 6/19.7 | 263/24.39 | 1450/571 |
| 7/23 | 193/17.92 | 1692/666 |
| 8/26.2 | 148/13.72 | 1934/761 |
| 9/29.5 | 117/10.84 | 2176/857 |
| 10/32.8 | 95/8.78 | 2417/952 |
| 11/36.1 | 78/7.26 | 2659/1047 |
| 12/39.4 | 66/6.1 | 2901/1142 |
| 13/42.7 | 56/5.2 | 3143/1237 |
| 14/45.9 | 48/4.48 | 3384/1332 |
| 15/49.2 | 12/3.9 | 3626/1428 |



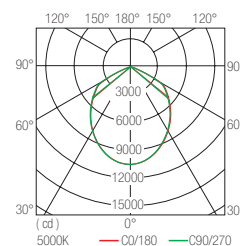
HB-2200LW

200W 100-240/277V 23,400lm 117lm/W
5000K Ra \geq 70



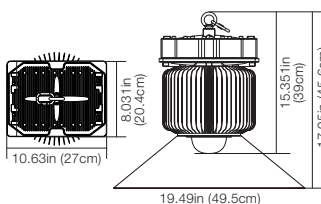
Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: \geq 0.9
Lifetime: \geq 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight: 6.2kg /13.67lb
Lampshade Weight: 0.6kg / 1.32lb



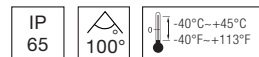
| Item No. | Housing Color |
|---------------|---------------|
| HB-2200LW-111 | Black |

| H(m/ft) | E(lm/ft) | D(cm/in) |
|---------|-------------|-----------|
| 1/3.3 | 10486/947.2 | 242/95 |
| 2/6.6 | 2622/243.6 | 484/191 |
| 3/9.8 | 1165/108.2 | 726/286 |
| 4/13.1 | 655/60.89 | 969/381 |
| 5/16.4 | 420/38.97 | 1211/477 |
| 6/19.7 | 291/27.06 | 1453/572 |
| 7/23 | 214/19.88 | 1695/667 |
| 8/26.2 | 164/15.22 | 1937/763 |
| 9/29.5 | 130/12.03 | 2179/858 |
| 10/32.8 | 105/9.74 | 2422/954 |
| 11/36.1 | 87/8.05 | 2664/1049 |
| 12/39.4 | 73/6.77 | 2906/1144 |
| 13/42.7 | 62/5.77 | 3148/1239 |
| 14/45.9 | 54/4.97 | 3390/1335 |
| 15/49.2 | 47/4.33 | 3632/1430 |



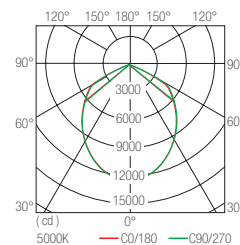
HB-2250LW

250W 100-240/277V 27,750lm 111lm/W
5000K Ra \geq 70



Material: Aluminum
Driver: Built-in
THD: <20%
Power Factor: \geq 0.9
Lifetime: \geq 50,000hrs

Light Engine Color: Black
Lampshade Color : Silver
Light Engine Weight: 8.4kg /18.52lb
Lampshade Weight: 0.6kg / 1.32lb



| Item No. | Housing Color |
|---------------|---------------|
| HB-2250LW-111 | Black |

| H(m/ft) | E(lm/ft) | D(cm/in) |
|---------|------------|-----------|
| 1/3.3 | 12333/1151 | 243/96 |
| 2/6.6 | 3098/287.8 | 485/191 |
| 3/9.8 | 1377/127.9 | 728/287 |
| 4/13.1 | 775/71.96 | 970/382 |
| 5/16.4 | 496/46.05 | 1213/478 |
| 6/19.7 | 344/31.98 | 1455/573 |
| 7/23 | 253/23.5 | 1698/669 |
| 8/26.2 | 194/17.99 | 1941/764 |
| 9/29.5 | 153/14.21 | 2183/859 |
| 10/32.8 | 124/11.51 | 2426/955 |
| 11/36.1 | 102/9.52 | 2669/1050 |
| 12/39.4 | 86/8 | 2911/1146 |
| 13/42.7 | 73/6.81 | 3154/1242 |
| 14/45.9 | 63/5.87 | 3397/1337 |
| 15/49.2 | 55/5.12 | 3639/1433 |

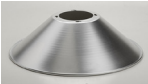


Order Number – LED High Bay: ICE BREAKER




| Model No. | Item No. | Certifications | CCT | CRI (Ra) | System Watts | Driver | Input Voltage | Dimming | Lampshade | Housing Color |
|------------|----------------|----------------|-------|----------|--------------|----------|---------------|---------|-----------------------|---------------|
| HB-2100LWD | HB-2100LWD-111 | N/A | 5000K | 70 | 100W | Built-in | 100-240/277V | Yes | HB-2000A-V/HB-2000A-W | Black |
| HB-2150LWD | HB-2150LWD-111 | N/A | 5000K | 70 | 150W | Built-in | 100-240/277V | Yes | HB-2000A-V/HB-2000A-W | Black |
| HB-2200LWD | HB-2200LWD-111 | N/A | 5000K | 70 | 200W | Built-in | 100-240/277V | Yes | HB-2000A-V/HB-2000A-W | Black |
| HB-2250LWD | HB-2250LWD-111 | N/A | 5000K | 70 | 250W | Built-in | 100-240/277V | Yes | HB-2000A-V/HB-2000A-W | Black |

Note: Each order number covers light engine, driver, and standard accessories, which include: (1) O-ring, (1) lock catch, (1) one meter cable, and (1) safety cable.

SAVERIOE BREAKER
High Bay

Order Number – Accessories for High Bays

| Accessories | Item No. | Compatible Models |
|---|------------|--|
|  <p>Empire lampshade</p> | HB-2000A-V | HB-2000L, HB-2000LW, HB-2000LT full series |
|  <p>Bell-shaped lampshade</p> | HB-2000A-W | HB-2000L, HB-2000LW, HB-2000LT full series |
|  <p>Diffuser With (1) cover ring</p> | HB-2000A-G | HB-2000A-A / HB-2000A-B / HB-2000A-V |

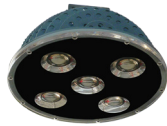
| Accessories | Item No. | Compatible Models |
|--|------------|---|
|  <p>Diffuser With (4) clips and (1) safety wire</p> | HB-2001A-X | HB-2000A-A / HB-2000A-B / HB-2000A-V |
|  <p>Metal Chain</p> | HB-2000A-I | ø 4 mm, Made of iron, chromate finishing, customized length |
|  <p>Removable Link</p> | HB-2000A-J | ø 5mm, Made of iron, chromate finishing |

DELTA LED HIGH BAY

Standard:



100W



100W



100W



180W



180W



250W

With **EIS** (Easy Interchange System)



100W



100W



100W



150W



250W





備付アーム・組合せ機
積立→決装



DELTA LED HIGH BAY



Easy Interchange System

EIS not only makes for ease of maintenance, but for enhanced flexibility, as well. Replace the driver at the end of its rated lifetime and give an already long-lasting fixture another lease on life. Keep the luminance, keep the hardware, keep the value.



Corrosion Resistance

By adopting dedicated processing treatments on the heat sink and other components, these luminaires have excellent anti-corrosive and UV resistance.

IP65

High Durability

A robust, protective design gives this luminaire an IP of 65 and the ability to handle harsh environments.



Optimal Optical Combination

The unique design combination of lens and diffuser used gives good quality and quantity of light, where you need it. With options of beam angles to choose from, these luminaires are ideal for a number of applications.



Quality Core Components

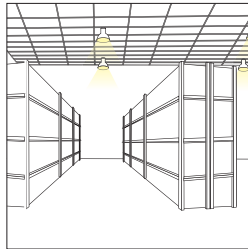
Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality COB packages from COTILED – chipsets that have great quality and long life as backed by LM-80 and TM-21 reports. Quality inside the luminaires that shines on the outside.



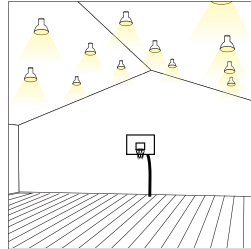
Approved By Recognized National Labs

Approved by recognized national laboratories for UL (USA and Canada), CE (Europe), C-Tick and SAA (Australia).

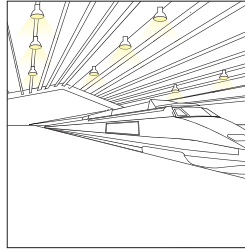
Applications:



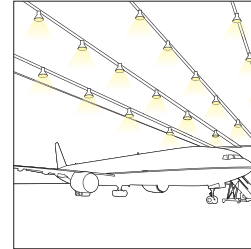
Warehouses



Gymnasiums



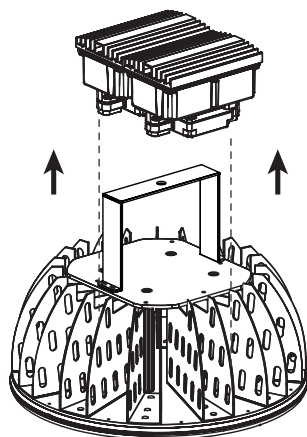
Train Stations



Hangars

EIS[®] Easy Interchange System

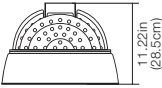
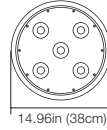
Our patented 'Plug and Use' Removable Power Supply makes maintenance simple and easy. It takes only five minutes or less to replace a driver unit, greatly reducing maintenance costs and truly enhancing the lifetime of the fixture, all at minimum cost to the end user.



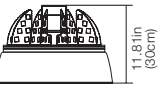
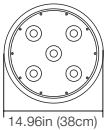


Model I

Standard: HB-3100



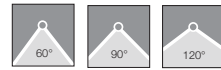
With EIS^o: HB-3100A



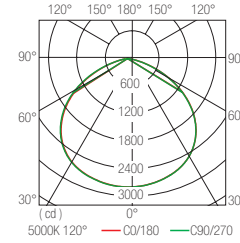
HB-3100 / HB-3100A

100W 100-277V Ra≥80
 8800lm 88lm/W 5000K 90°
 7700lm 77lm/W 5000K 120°

IP 65



Material: Aluminum
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 4.6kg / 10.14lb (standard)
 5.43kg / 11.97lb (with EIS)
 Lifetime: ≥ 50,000hrs



| Item No. | Beam Angle |
|--------------|------------|
| HB-3100-115 | 90° |
| HB-3100-116 | 120° |
| HB-3100A-113 | 90° |
| HB-3100A-114 | 120° |

| 5000K 90° | | |
|-----------|-------------|-----------|
| 1/3.3 | 3527/327.67 | 255/100 |
| 2/6.6 | 882/81.94 | 510/201 |
| 3/9.8 | 392/36.42 | 764/301 |
| 4/13.1 | 220/20.44 | 1019/401 |
| 5/16.4 | 141/13.1 | 1274/501 |
| 6/19.7 | 98/9.1 | 1529/602 |
| 7/23 | 72/6.69 | 1783/702 |
| 8/26.2 | 55/5.11 | 2038/802 |
| 9/29.5 | 44/4.09 | 2293/903 |
| 10/32.8 | 35/3.25 | 2549/1003 |
| 11/36.1 | 29/2.69 | 2802/1103 |
| 12/39.4 | 25/2.32 | 3057/1204 |
| 13/42.7 | 21/1.95 | 3312/1304 |
| 14/45.9 | 18/1.67 | 3567/1404 |
| 15/49.2 | 16/1.49 | 3821/1504 |

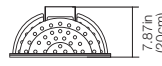
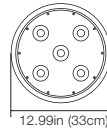
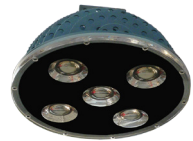
H(m/ft) E(lx/c) D(cm/in)

| 5000K 120° | | |
|------------|-------------|-----------|
| 1/3.3 | 2574/239.13 | 318/125 |
| 2/6.6 | 644/59.83 | 637/251 |
| 3/9.8 | 286/26.57 | 955/376 |
| 4/13.1 | 161/14.96 | 1274/502 |
| 5/16.4 | 103/9.57 | 1592/627 |
| 6/19.7 | 72/6.69 | 1910/753 |
| 7/23 | 53/4.92 | 2229/878 |
| 8/26.2 | 40/3.72 | 2547/1003 |
| 9/29.5 | 32/2.97 | 2866/1128 |
| 10/32.8 | 26/2.42 | 3184/1254 |
| 11/36.1 | 21/1.95 | 3502/1379 |
| 12/39.4 | 18/1.67 | 3821/1504 |
| 13/42.7 | 15/1.39 | 4139/1630 |
| 14/45.9 | 13/1.21 | 4457/1755 |
| 15/49.2 | 11/1.02 | 4776/1880 |

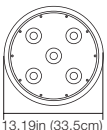
H(m/ft) E(lx/c) D(cm/in)

Model II

Standard: HB-3100



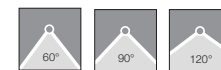
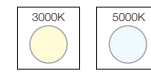
With EIS^o: HB-3100A



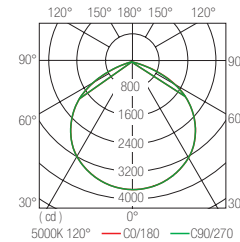
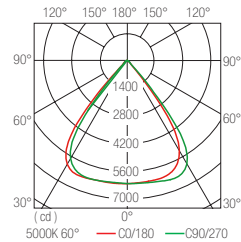
HB-3100 / HB-3100A

100W 100-277V Ra≥80
 9200lm 92lm/W 5000K 60°
 8600lm 86lm/W 5000K 90°
 9800lm 98lm/W 5000K 120°

IP 65



Material: Aluminum
 Driver: Built-in
 Weight: 4.8kg / 10.58lb (standard)
 5kg / 11.02lb (with EIS)
 Power Factor: ≥ 0.9
 Lifetime: ≥ 50,000hrs



| Item No. | Beam Angle |
|--------------|------------|
| HB-3100-124 | 60° |
| HB-3100-125 | 90° |
| HB-3100-126 | 120° |
| HB-3100A-124 | 60° |
| HB-3100A-125 | 90° |
| HB-3100A-126 | 120° |

| 5000K 60° | | |
|-----------|-------------|----------|
| 1/3.3 | 6453/607.96 | 158/62 |
| 2/6.6 | 1613/149.85 | 316/124 |
| 3/9.8 | 717/66.61 | 473/186 |
| 4/13.1 | 403/37.44 | 631/248 |
| 5/16.4 | 258/23.97 | 789/311 |
| 6/19.7 | 179/16.63 | 947/373 |
| 7/23 | 132/12.26 | 1104/435 |
| 8/26.2 | 101/9.38 | 1262/497 |
| 9/29.5 | 80/7.43 | 1420/559 |
| 10/32.8 | 65/6.04 | 1578/621 |
| 11/36.1 | 53/4.92 | 1735/683 |
| 12/39.4 | 45/4.18 | 1893/745 |
| 13/42.7 | 38/3.53 | 2051/807 |
| 14/45.9 | 33/3.07 | 2209/870 |
| 15/49.2 | 29/2.69 | 2367/932 |

H(m/ft) E(lx/c) D(cm/in)

| 5000K 90° | | |
|-----------|-------------|-----------|
| 1/3.3 | 5878/546.08 | 202/80 |
| 2/6.6 | 1469/136.47 | 404/159 |
| 3/9.8 | 653/60.67 | 605/238 |
| 4/13.1 | 367/34.1 | 807/318 |
| 5/16.4 | 235/21.83 | 1009/397 |
| 6/19.7 | 163/15.14 | 1211/477 |
| 7/23 | 120/11.15 | 1412/556 |
| 8/26.2 | 92/8.55 | 1614/635 |
| 9/29.5 | 73/6.78 | 1816/715 |
| 10/32.8 | 59/5.48 | 2018/794 |
| 11/36.1 | 49/4.55 | 2219/874 |
| 12/39.4 | 41/3.81 | 2421/953 |
| 13/42.7 | 35/3.25 | 2623/1033 |
| 14/45.9 | 30/2.79 | 2825/1112 |
| 15/49.2 | 26/2.42 | 3026/1191 |

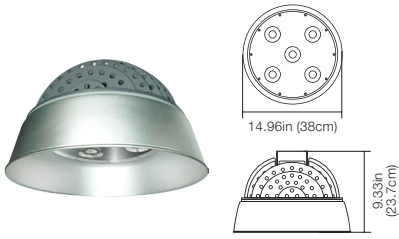
H(m/ft) E(lx/c) D(cm/in)

| 5000K 120° | | |
|------------|-------------|-----------|
| 1/3.3 | 3587/333.24 | 297/117 |
| 2/6.6 | 897/83.33 | 594/234 |
| 3/9.8 | 399/37.07 | 891/351 |
| 4/13.1 | 224/20.81 | 1187/467 |
| 5/16.4 | 144/13.38 | 1484/584 |
| 6/19.7 | 100/9.29 | 1781/701 |
| 7/23 | 73/6.78 | 2078/818 |
| 8/26.2 | 56/5.2 | 2375/935 |
| 9/29.5 | 44/4.09 | 2672/1052 |
| 10/32.8 | 36/3.34 | 2969/1169 |
| 11/36.1 | 30/2.79 | 3265/1285 |
| 12/39.4 | 25/2.32 | 3562/1402 |
| 13/42.7 | 21/1.95 | 3859/1519 |
| 14/45.9 | 18/1.67 | 4156/1636 |
| 15/49.2 | 16/1.47 | 4453/1753 |

H(m/ft) E(lx/c) D(cm/in)

Model III

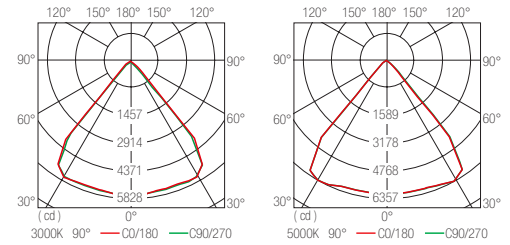
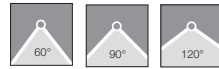
Standard: HB-3100



HB-3100 / HB-3100A

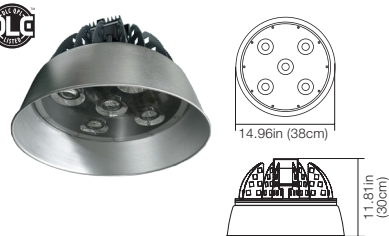
100W 100-277V Ra≥80
 9000lm 90lm/W 3000K \triangle 90°
 10,100lm 101lm/W 5000K \triangle 90°

IP 65 $\begin{matrix} -25^{\circ}\text{C} \sim +45^{\circ}\text{C} \\ -13^{\circ}\text{F} \sim +113^{\circ}\text{F} \end{matrix}$

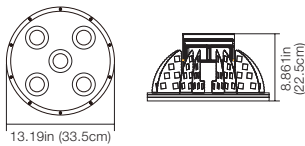


| Item No. | Beam Angle |
|-------------|------------|
| HB-3100-136 | 60° |
| HB-3100-137 | 90° |
| HB-3100-138 | 120° |

With EIS^o: HB-3100A



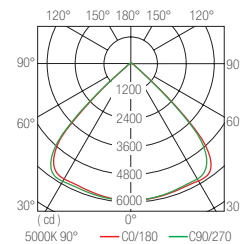
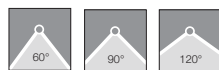
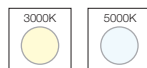
Material: Aluminum
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 5.22kg / 11.51lb (standard)
 5.22kg / 11.51lb (with EIS)
 Lifetime: ≥ 50,000hrs



HB-3150A (with EIS^o)

150W 100-277V Ra≥80
 11,700lm 78lm/W 5000K \triangle 90°

IP 65 $\begin{matrix} -25^{\circ}\text{C} \sim +45^{\circ}\text{C} \\ -13^{\circ}\text{F} \sim +113^{\circ}\text{F} \end{matrix}$

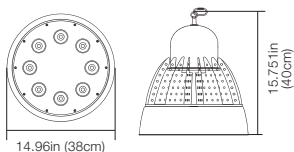


| H(m) | E(ft) | D(m) |
|------|--------|------|
| 3.3 | 556.49 | 81 |
| 6.6 | 139.08 | 161 |
| 9.8 | 61.87 | 242 |
| 13.1 | 34.75 | 322 |
| 16.4 | 22.3 | 403 |
| 19.7 | 15.42 | 483 |
| 23 | 11.33 | 564 |
| 26.2 | 8.73 | 645 |
| 29.5 | 6.87 | 726 |
| 32.8 | 5.57 | 807 |
| 36.1 | 4.65 | 887 |
| 39.4 | 3.9 | 1048 |
| 42.7 | 3.25 | 1128 |
| 45.9 | 2.79 | 1338 |
| 49.2 | 2.51 | 1209 |

| Item No. | Beam Angle |
|--------------|------------|
| HB-3150A-114 | 60° |
| HB-3150A-115 | 90° |
| HB-3150A-116 | 120° |

Material: Aluminum
 Driver: Built-in
 Weight: 5kg / 11.02lb
 Power Factor: ≥ 0.9
 Lifetime: ≥ 50,000hrs

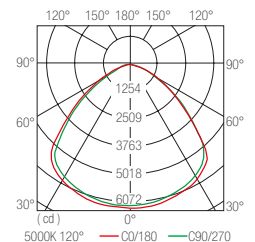
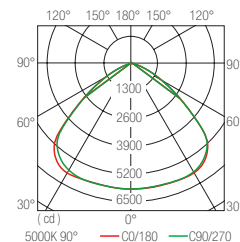
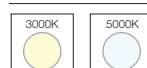
Model I



HB-3180

180W 100-277V Ra≥80
 17,100lm 95lm/W 5000K \triangle 90°
 15,840lm 88lm/W 5000K \triangle 120°

IP 65 $\begin{matrix} -25^{\circ}\text{C} \sim +45^{\circ}\text{C} \\ -13^{\circ}\text{F} \sim +113^{\circ}\text{F} \end{matrix}$

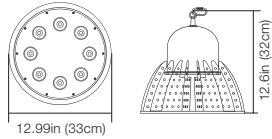


| H(m) | E(ft) | D(m) |
|------|--------|------|
| 3.3 | 565.78 | 106 |
| 6.6 | 141.4 | 211 |
| 9.8 | 62.9 | 316 |
| 13.1 | 35.4 | 422 |
| 16.4 | 22.67 | 527 |
| 19.7 | 15.7 | 633 |
| 23 | 11.52 | 738 |
| 26.2 | 8.83 | 843 |
| 29.5 | 6.97 | 949 |
| 32.8 | 5.67 | 1054 |
| 36.1 | 4.65 | 1159 |
| 39.4 | 3.9 | 1265 |
| 42.7 | 3.34 | 1370 |
| 45.9 | 2.88 | 1476 |
| 49.2 | 2.51 | 1581 |

| H(m) | E(ft) | D(m) |
|------|--------|------|
| 3.3 | 582.69 | 96 |
| 6.6 | 145.67 | 191 |
| 9.8 | 64.75 | 287 |
| 13.1 | 36.42 | 382 |
| 16.4 | 23.32 | 478 |
| 19.7 | 16.17 | 573 |
| 23 | 11.89 | 669 |
| 26.2 | 9.1 | 765 |
| 29.5 | 7.15 | 860 |
| 32.8 | 5.85 | 956 |
| 36.1 | 4.83 | 1051 |
| 39.4 | 4.09 | 1147 |
| 42.7 | 3.44 | 1243 |
| 45.9 | 2.97 | 1338 |
| 49.2 | 2.6 | 1433 |

Material: Aluminum
 Driver: Built-in
 Weight: 6.1kg / 13.45lb
 Power Factor: ≥ 0.9
 Lifetime: ≥ 50,000hrs

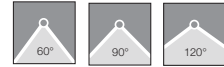
Model II



HB-3180

180W 100-277V Ra≥80
16,200 lm 90lm/W 5000K \angle 90°

IP 65 °C -25~+45 °F -13~+113



Material: Aluminum
Driver: Built-in
Weight: 6.37kg / 14.04lb
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

| Item No. | Model | Beam Angle |
|-------------|-------|------------|
| HB-3180-115 | I | 90° |
| HB-3180-116 | I | 120° |
| HB-3180-124 | II | 60° |
| HB-3180-125 | II | 90° |
| HB-3180-126 | II | 120° |

DELTA High Bay

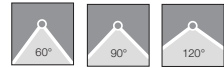
Standard: HB-3250



HB-3250 / HB-3250A

250W 100-240/277V Ra≥80
21,250lm 85lm/W 5000K \angle 60°
22,500lm 89lm/W 5000K \angle 90°
23,000lm 92lm/W 5000K \angle 120°

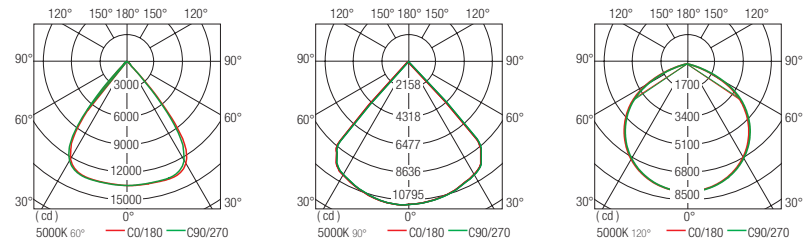
IP 65 IK 09 °C -25~+45 °F -13~+113



Material: Aluminum
Driver: Built-in
Weight: 9.5kg / 20.94lb (standard)
9.7kg / 21.38lb (with EIS)
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

| Item No. | Beam Angle |
|--------------|------------|
| HB-3250-115 | 60° |
| HB-3250-116 | 90° |
| HB-3250-122 | 120° |
| HB-3250A-114 | 60° |
| HB-3250A-115 | 90° |
| HB-3250A-116 | 120° |

With EIS[®]: HB-3250A



| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|--------------|----------|
| 1/3.3 | 1397/1297.86 | 162/64 |
| 2/6.6 | 3492/324.42 | 324/128 |
| 3/9.9 | 1552/144.19 | 486/191 |
| 4/13.1 | 873/81.1 | 649/256 |
| 5/16.4 | 559/51.93 | 811/319 |
| 6/19.7 | 389/36.05 | 973/383 |
| 7/23 | 285/26.48 | 1135/447 |
| 8/26.2 | 219/20.25 | 1297/511 |
| 9/29.5 | 173/16.07 | 1459/574 |
| 10/32.8 | 149/13 | 1621/638 |
| 11/36.1 | 116/10.78 | 1784/702 |
| 12/39.4 | 97/9.01 | 1946/766 |
| 13/42.7 | 83/7.71 | 2108/830 |
| 14/45.9 | 71/6.6 | 2270/894 |
| 15/49.2 | 62/5.76 | 2432/957 |

| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|---------------|-----------|
| 1/3.3 | 10767/1000.29 | 202/80 |
| 2/6.6 | 2692/250.09 | 404/159 |
| 3/9.9 | 1196/111.11 | 605/238 |
| 4/13.1 | 673/62.52 | 807/318 |
| 5/16.4 | 431/40.04 | 1009/397 |
| 6/19.7 | 299/27.78 | 1211/477 |
| 7/23 | 220/20.44 | 1412/556 |
| 8/26.2 | 168/15.61 | 1614/635 |
| 9/29.5 | 133/12.36 | 1816/715 |
| 10/32.8 | 109/10.03 | 2018/794 |
| 11/36.1 | 89/8.27 | 2219/874 |
| 12/39.4 | 75/6.97 | 2421/953 |
| 13/42.7 | 64/5.95 | 2623/1033 |
| 14/45.9 | 55/5.11 | 2825/1112 |
| 15/49.2 | 48/4.46 | 3027/1204 |

| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|-----------|
| 1/3.3 | 8129/755.21 | 300/118 |
| 2/6.6 | 2032/188.79 | 601/237 |
| 3/9.9 | 903/83.89 | 901/355 |
| 4/13.1 | 508/47.19 | 1201/473 |
| 5/16.4 | 325/30.19 | 1502/591 |
| 6/19.7 | 226/21 | 1802/709 |
| 7/23 | 166/15.42 | 2102/828 |
| 8/26.2 | 127/11.8 | 2403/946 |
| 9/29.5 | 100/9.29 | 2703/1064 |
| 10/32.8 | 81/7.53 | 3003/1182 |
| 11/36.1 | 67/6.22 | 3304/1301 |
| 12/39.4 | 56/5.2 | 3604/1419 |
| 13/42.7 | 48/4.46 | 3904/1537 |
| 14/45.9 | 41/3.81 | 4205/1656 |
| 15/49.2 | 36/3.34 | 4505/1774 |

LED LOW BAY LUMINAIRES

DELTA LOW BAY



20W



40W/60W/80W

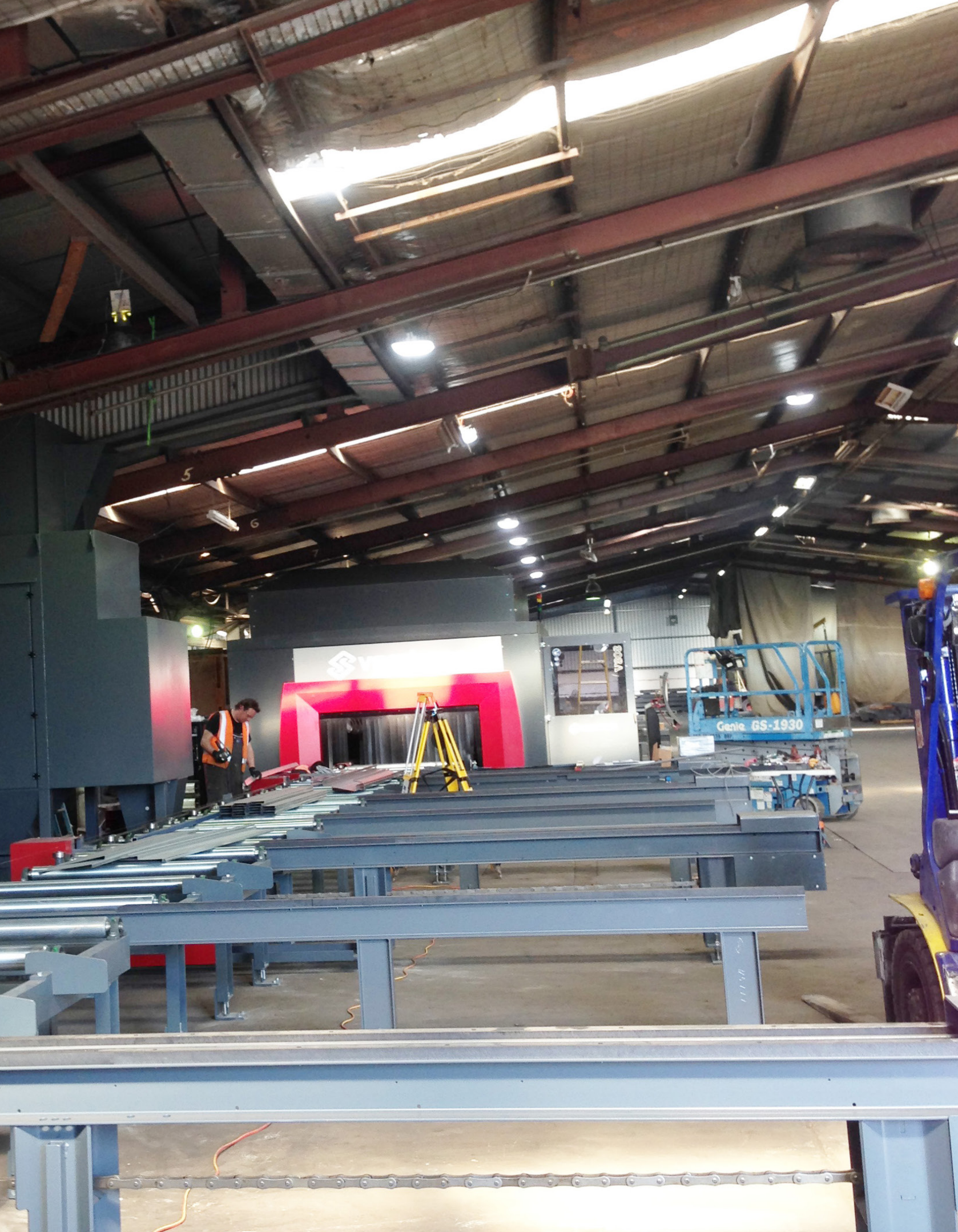


120W



40W/60W/80W







DELTA LED LOW BAY



Excellent Heat Dissipation

The specially designed heat sink does not let dust easily collect, by also allowing more air to flow through it. The air flow also provides for greater heat dissipation, in turn, improving the performance of a long-lasting, durable luminaire.

IP65

High Durability

A robust, protective design gives this luminaire an IP of 65 and the ability to handle harsh environments.



Big Light, Low Glare

It is different from the common low bay in the market. The big diffuser covering the array of LEDs provides a better light distribution while effectively reducing glare and discomfort.



Energy Saving

The combination of high-efficacy LED components with excellent whole system design has SONARAY LED lighting achieving energy savings of 40% - 80% compared with traditional lighting sources.



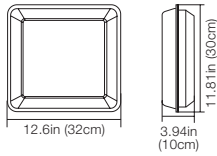
Quality Core Components

Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality SMD packages that have great quality and long life as backed by LM-80 and TM-21 reports. Quality inside the luminaires that shines on the outside.



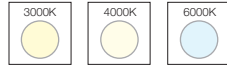
Easy Mounting

This luminaire is good for general lighting installations, and is easily mounted on walls. It is also useful as supplementary lighting, such as over work surfaces - in a warehouse, factory, or wherever you like.

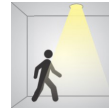


LW-1020

20W 100-277V 1800lm 90lm/W
6000K Ra≥80



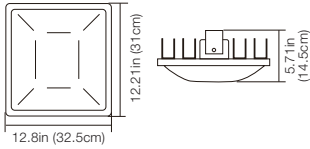
Material: Aluminum Driver: Built-in
Weight: 3.1kg / 6.83lb Power Factor: ≥ 0.9
Lifetime: ≥ 40,000hrs



Motion Sensor

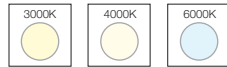
Innovative motion sensor control triggers the light to turn to full power when motion is detected, and drops to 30% consumption when none is detected. (Optional function.)

| Item No. | CCT | Note |
|---------------|-------|------------------|
| LW-1020-111 | 6000K | Standard Version |
| LW-1020-112 | 4000K | Standard Version |
| LW-1020-113 | 3000K | Standard Version |
| LW-1020EM-111 | 6000K | Motion Sensor |
| LW-1020EM-112 | 4000K | Motion Sensor |
| LW-1020EM-113 | 3000K | Motion Sensor |

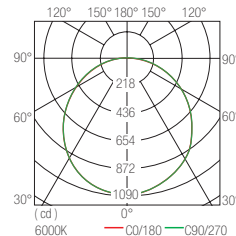


LW-1040

40W 100-277V 3600lm 90lm/W
6000K Ra≥80

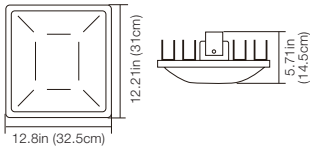


Material: Aluminum Driver: Built-in
Weight: 3.2kg / 7.05lb Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs



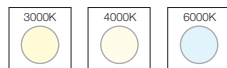
| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|-----------|
| 1/3.3 | 1089/101.17 | 310/122 |
| 2/6.6 | 272/25.27 | 620/244 |
| 3/9.8 | 121/11.24 | 940/370 |
| 4/13.1 | 68/6.32 | 1250/492 |
| 5/16.4 | 44/4.09 | 1560/614 |
| 6/19.7 | 30/2.79 | 1870/736 |
| 7/23 | 22/2.05 | 2190/862 |
| 8/26.2 | 17/1.58 | 2500/984 |
| 9/29.5 | 13/1.21 | 2810/1106 |
| 10/32.8 | 11/1.02 | 3120/1228 |

| Item No. | CCT |
|-------------|-------|
| LW-1040-111 | 6000K |
| LW-1040-112 | 4000K |
| LW-1040-113 | 3000K |

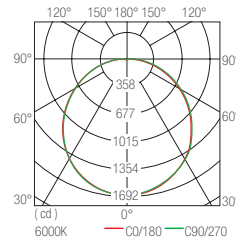


LW-1060

60W 100-277V 5400lm 90lm/W
6000K Ra≥80

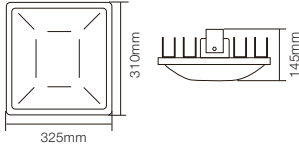


Material: Aluminum Driver: Built-in
Weight: 3.2kg / 7.05lb Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs



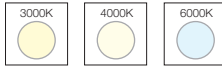
| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-----------|-----------|
| 1/3.3 | 1690/157 | 310/122 |
| 2/6.6 | 422/39.21 | 620/244 |
| 3/9.8 | 188/17.47 | 930/366 |
| 4/13.1 | 106/9.85 | 1240/488 |
| 5/16.4 | 68/6.32 | 1550/610 |
| 6/19.7 | 47/4.37 | 1860/732 |
| 7/23 | 35/3.25 | 2170/854 |
| 8/26.2 | 26/2.42 | 2480/976 |
| 9/29.5 | 21/1.95 | 2790/1098 |
| 10/32.8 | 17/1.58 | 3100/1220 |

| Item No. | CCT |
|-------------|-------|
| LW-1060-111 | 6000K |
| LW-1060-112 | 4000K |
| LW-1060-113 | 3000K |

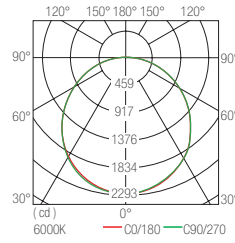


LW-1080

80W 100-277V 7440lm 93lm/W
6000K Ra≥80

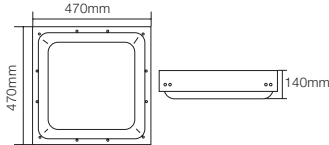


Material: Aluminum Driver: Built-in
Weight: 3.5kg / 7.42lb Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs



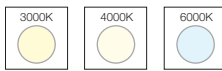
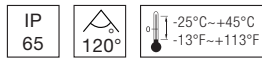
| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|-----------|
| 1/3.3 | 2290/212.75 | 320/126 |
| 2/6.6 | 573/53.23 | 640/252 |
| 3/9.8 | 255/23.69 | 950/374 |
| 4/13.1 | 143/13.29 | 1270/500 |
| 5/16.4 | 92/8.55 | 1590/626 |
| 6/19.7 | 64/5.95 | 1910/752 |
| 7/23 | 47/4.37 | 2230/878 |
| 8/26.2 | 36/3.34 | 2540/1000 |
| 9/29.5 | 28/2.6 | 2860/1126 |
| 10/32.8 | 23/2.14 | 3180/1252 |

| Item No. | CCT |
|--------------------|--------------|
| LW-1080-111 | 6000K |
| LW-1080-112 | 4000K |
| LW-1080-113 | 3000K |

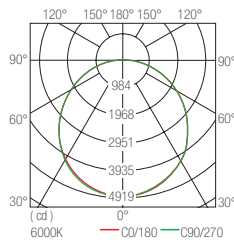


LW-1120

120W 100-277V 14,160lm 118lm/W
6000K Ra≥80



Material: Aluminum Driver: Built-in
Weight: 7.5kg / 16.53lb Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

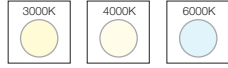
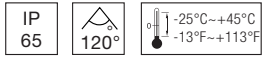


| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-----------|-----------|
| 5/16.4 | 198/18.39 | 1439/567 |
| 10/32.8 | 49/4.55 | 2879/1133 |
| 15/49.2 | 22/2.04 | 4318/1700 |
| 20/65.6 | 12/1.11 | 5757/2267 |

| Item No. | CCT |
|--------------------|--------------|
| LW-1120-111 | 6000K |
| LW-1120-112 | 4000K |
| LW-1120-113 | 3000K |

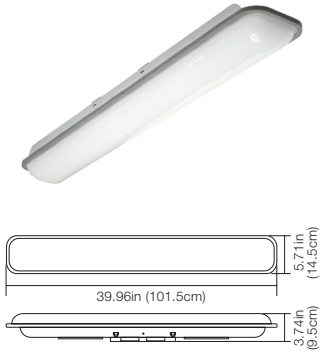
LWL-1040

40W 100-220V
3600lm 90lm/W
6000K Ra≥80



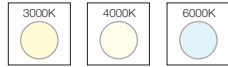
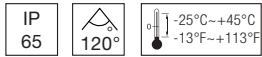
Material: Aluminum Driver: Built-in
Weight: 3.3kg / 7.28lb Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

| Item No. | CCT |
|--------------|-------|
| LWL-1040-111 | 6000K |
| LWL-1040-112 | 4000K |
| LWL-1040-113 | 3000K |



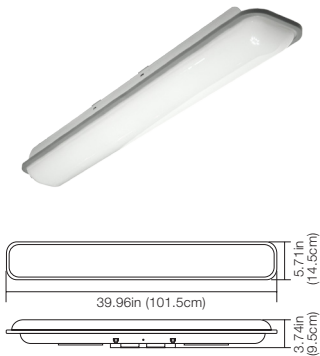
LWL-1060

60W 100-220V
5400lm 90lm/W
6000K Ra≥80



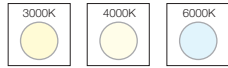
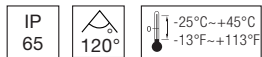
Material: Aluminum Driver: Built-in
Weight: 3.3kg / 7.28lb Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

| Item No. | CCT |
|--------------|-------|
| LWL-1060-111 | 6000K |
| LWL-1060-112 | 4000K |
| LWL-1060-113 | 3000K |



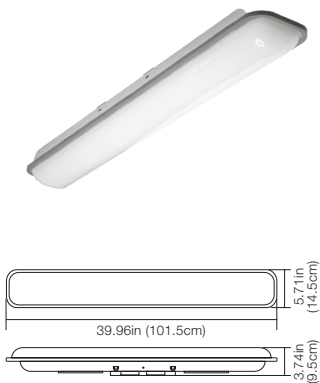
LWL-1080

80W 100-220V
7200lm 90lm/W
6000K Ra≥80



Material: Aluminum Driver: Built-in
Weight: 3.3kg / 7.28lb Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

| Item No. | CCT |
|--------------|-------|
| LWL-1080-111 | 6000K |
| LWL-1080-112 | 4000K |
| LWL-1080-113 | 3000K |



DELTA LED FLOOD LIGHT

Standard:



30W



40W



60W



100W



250W

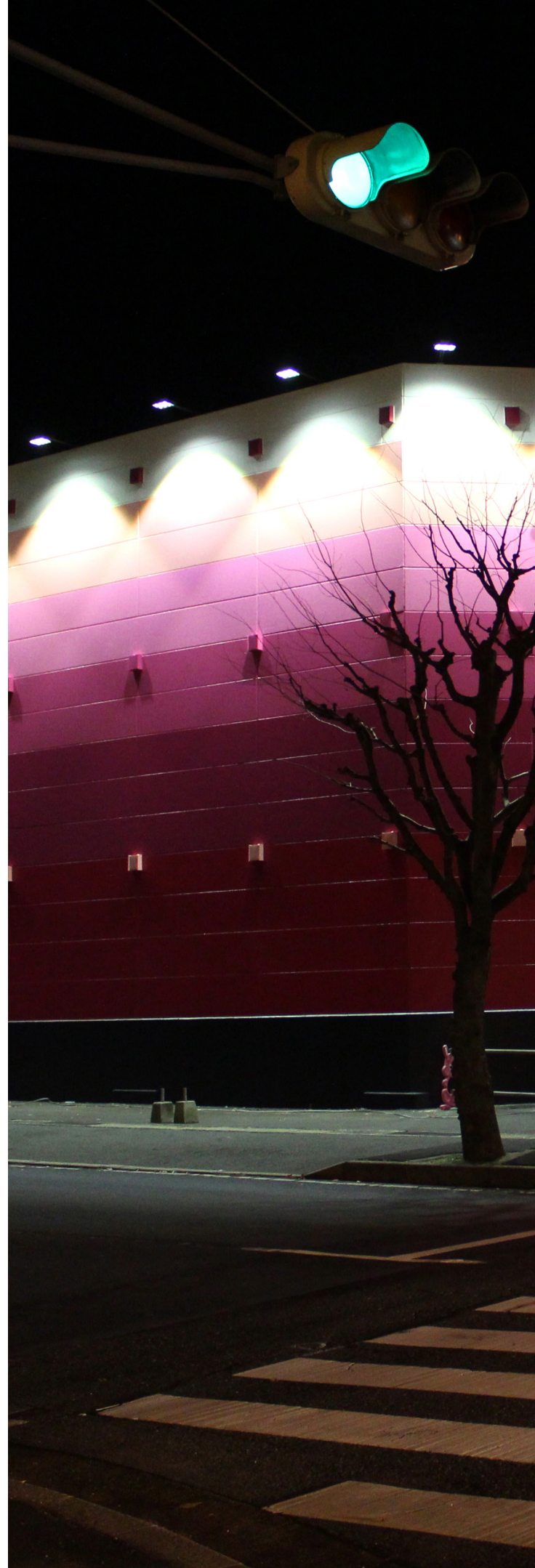


520W

With *EIS*[®] (Easy Interchange System)



100/150W



パル

DERUPARADISE

陽北

12.20x12.000m

パル

←

DELTA LED FLOOD LIGHT

EIS

Easy Interchange System

EIS not only makes for ease of maintenance, but for enhanced flexibility, as well. Replace the driver at the end of its rated lifetime and give an already long-lasting fixture another lease on life. Keep the luminance, keep the hardware, keep the value.



Corrosion Resistance

By adopting dedicated processing treatments on the heat sink and other components, these luminaires have excellent anti-corrosive and UV-resistance.

IP65

High Durability

A robust, protective design gives this luminaire an IP of 65 and the ability to handle harsh environments.



Optimal Optical Combination

The unique design of lens and diffuser used gives good quality and quantity of light, where you need it. With options of beam angles to choose from, these luminaires are ideal for a number of applications.



Quality Core Component

Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality COB packages from COTLED – chipsets that have great quality and long life as backed by LM-80 and TM-21 reports. Quality inside the luminaires that shines on the outside.

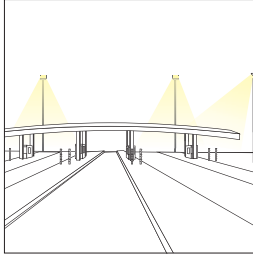
SERIES

Full Flood Light Family

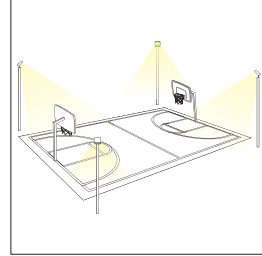
Together these flood lights form a full family of products, thereby offering a full suite of luminaires suitable for a variety of both indoor and outdoor applications.



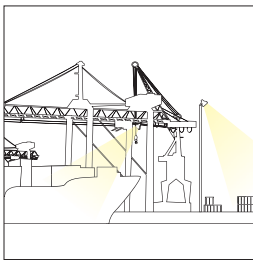
Applications:



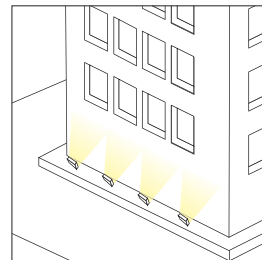
Toll Stations



Outdoor Courts



Ports



Building Exteriors

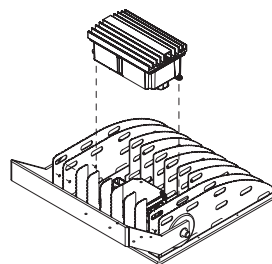


DELTA LED FLOOD LIGHT

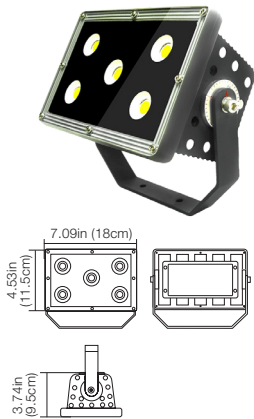


EIS[®] Easy Interchange System

Our patented 'Plug and Use' Removable Power Supply makes maintenance simple and easy. It takes only five minutes or less to replace a driver unit, greatly reducing maintenance costs and truly enhancing the lifetime of the fixture, all at minimum cost to the end user.



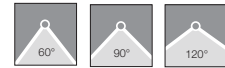
2
Doki-Doki
by 2nd STREET
リユースショップ
お売り下さい



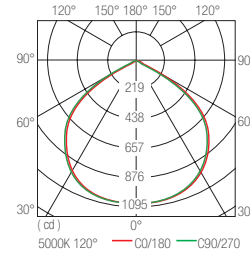
FL-3030

30W 100-277V 2670m 89lm/W
5000K Ra≥80 ∠120°

| | | |
|----------|----------|-----------------------------|
| IP 65 | IK 09 | -25°C~+45°C -13°F~+113°F |
|----------|----------|-----------------------------|

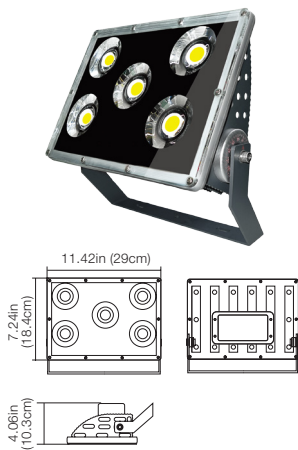


Material: Aluminum
Housing Color: Dark Bronze
Driver: Built-in
Power Factor: ≥ 0.9
Weight: 1.2kg / 2.65lb
Lifetime: ≥ 50,000hrs



| 5000K 120° | | |
|------------|-------------|----------|
| H(m/ft) | E(lx/ftc) | D(cm/in) |
| 1/3.3 | 1092/101.45 | 276/109 |
| 2/6.6 | 273/25.36 | 553/218 |
| 3/9.8 | 121/11.24 | 829/326 |
| 4/13.1 | 68/6.32 | 1106/435 |
| 5/16.4 | 44/4.09 | 1382/544 |
| 6/19.7 | 33/3.07 | 1659/653 |

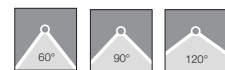
| Item No. | Beam Angle |
|-------------|------------|
| FL-3030-124 | 60° |
| FL-3030-125 | 90° |
| FL-3030-115 | 120° |



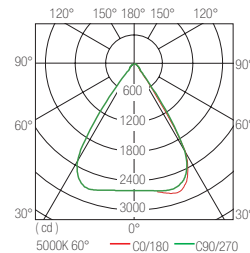
FL-3040

40W 100-277V Ra≥80
3200lm 80lm/W 5000K ∠60°
3320lm 83lm/W 5000K ∠90°
3440lm 86lm/W 5000K ∠120°

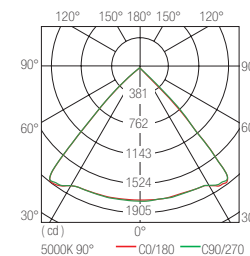
| | | |
|----------|----------|-----------------------------|
| IP 65 | IK 09 | -25°C~+45°C -13°F~+113°F |
|----------|----------|-----------------------------|



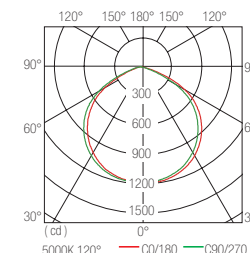
Material: Aluminum
Housing Color: Dark Bronze
Driver: Built-in
Power Factor: ≥ 0.9
Weight: 2.4kg / 5.29lb
Lifetime: ≥ 50,000hrs



| 5000K 60° | | |
|-----------|-------------|----------|
| H(m/ft) | E(lx/ftc) | D(cm/in) |
| 1/3.3 | 2581/239.78 | 135/53 |
| 2/6.6 | 645/59.92 | 270/106 |
| 3/9.8 | 287/26.66 | 405/159 |
| 4/13.1 | 161/14.96 | 540/213 |
| 5/16.4 | 103/9.57 | 675/266 |
| 6/19.7 | 72/6.69 | 810/319 |



| 5000K 90° | | |
|-----------|-------------|----------|
| H(m/ft) | E(lx/ftc) | D(cm/in) |
| 1/3.3 | 1784/165.74 | 192/76 |
| 2/6.6 | 446/41.43 | 384/151 |
| 3/9.8 | 198/18.39 | 576/227 |
| 4/13.1 | 112/10.41 | 767/302 |
| 5/16.4 | 71/6.6 | 959/378 |
| 6/19.7 | 50/4.65 | 1151/453 |



| 5000K 120° | | |
|------------|-------------|----------|
| H(m/ft) | E(lx/ftc) | D(cm/in) |
| 1/3.3 | 1231/114.36 | 302/119 |
| 2/6.6 | 308/28.61 | 604/238 |
| 3/9.8 | 137/12.73 | 906/357 |
| 4/13.1 | 77/7.15 | 1208/476 |
| 5/16.4 | 49/4.55 | 1510/594 |
| 6/19.7 | 34/3.16 | 1812/713 |

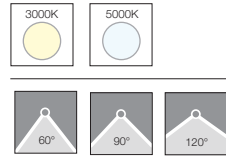
| Item No. | Beam Angle |
|-------------|------------|
| FL-3040-123 | 60° |
| FL-3040-124 | 90° |
| FL-3040-125 | 120° |



FL-3060

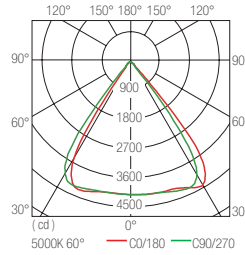
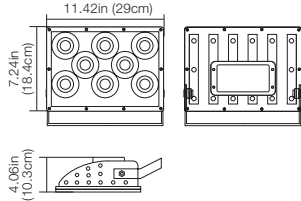
60W 100-277V Ra≥80
 5100lm 85lm/W 5000K \triangle 60°
 4920lm 82lm/W 5000K \triangle 90°
 5100lm 85lm/W 5000K \triangle 120°

| | | |
|-------|-------|-----------------------------|
| IP 65 | IK 09 | -25°C~+45°C -13°F~+113°F |
|-------|-------|-----------------------------|

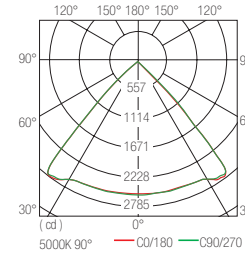


Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 2.48kg / 5.47lb
 Lifetime: ≥ 50,000hrs

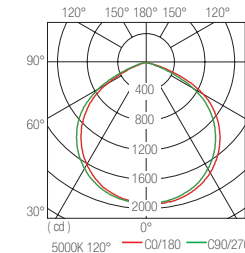
| Item No. | Beam Angle |
|-------------|------------|
| FL-3060-123 | 60° |
| FL-3060-124 | 90° |
| FL-3060-125 | 120° |



| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|----------|
| 1/3.3 | 3757/349.04 | 150/59 |
| 2/6.6 | 939/87.24 | 299/118 |
| 3/9.8 | 418/38.83 | 449/177 |
| 4/13.1 | 235/21.83 | 598/235 |
| 5/16.4 | 150/13.94 | 747/294 |
| 6/19.7 | 104/9.66 | 897/253 |

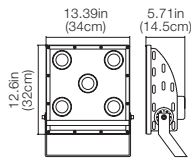


| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|----------|
| 1/3.3 | 2682/249.17 | 193/76 |
| 2/6.6 | 671/62.34 | 387/152 |
| 3/9.8 | 298/27.69 | 580/228 |
| 4/13.1 | 168/15.61 | 773/304 |
| 5/16.4 | 107/9.94 | 996/392 |
| 6/19.7 | 75/6.97 | 1160/457 |



| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|----------|
| 1/3.3 | 1928/179.12 | 300/118 |
| 2/6.6 | 482/44.78 | 599/236 |
| 3/9.8 | 214/19.88 | 898/354 |
| 4/13.1 | 121/12.1 | 1198/472 |
| 5/16.4 | 77/11.24 | 1497/589 |
| 6/19.7 | 54/5.02 | 1797/707 |

Standard: FL-3100



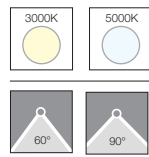
FL-3100

100W 100-277V Ra≥80
 9900lm 99lm/W 5000K \triangle 60°
 9100lm 91lm/W 5000K \triangle 90°
 9900lm 99lm/W 5000K \triangle 120°

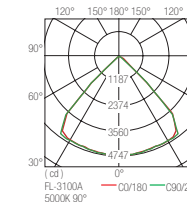
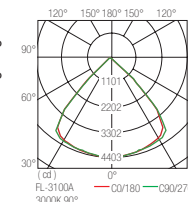
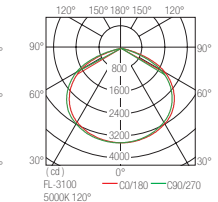
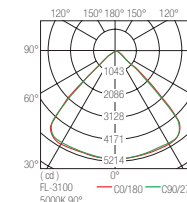
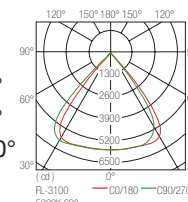
FL-3100A

100W 100-277V Ra≥80
 8300lm 83lm/W 3000K \triangle 90°
 9400lm 94lm/W 5000K \triangle 90°

| | | |
|-------|-------|-----------------------------|
| IP 65 | IK 09 | -25°C~+45°C -13°F~+113°F |
|-------|-------|-----------------------------|



Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 5.3kg / 11.68lb (FL-3100)
 5.4kg / 11.9lb (FL-3100A)
 Lifetime: ≥ 50,000hrs



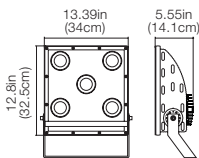
| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|----------|
| 2/6.6 | 1496/138.98 | 329/130 |
| 4/13.1 | 374/34.75 | 657/259 |
| 6/19.7 | 166/15.42 | 986/388 |
| 8/26.2 | 93/8.64 | 1314/517 |
| 10/32.8 | 60/5.57 | 1643/647 |
| 12/39.4 | 42/3.9 | 1972/776 |

| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|----------|
| 2/6.6 | 1204/121.15 | 382/150 |
| 4/13.1 | 326/30.29 | 764/301 |
| 6/19.7 | 145/13.47 | 1147/452 |
| 8/26.2 | 81/7.53 | 1529/602 |
| 10/32.8 | 52/4.83 | 1911/752 |
| 12/39.4 | 36/3.34 | 2293/903 |

| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-----------|-----------|
| 2/6.6 | 897/83.33 | 614/242 |
| 4/13.1 | 224/20.81 | 1228/483 |
| 6/19.7 | 100/9.29 | 1842/725 |
| 8/26.2 | 56/5.2 | 2456/967 |
| 10/32.8 | 36/3.34 | 3070/1209 |
| 12/39.4 | 25/2.32 | 3674/1446 |

| Item No. | Beam Angle |
|--------------|------------|
| FL-3100-123 | 60° |
| FL-3100-124 | 90° |
| FL-3100-125 | 120° |
| FL-3100A-120 | 60° |
| FL-3100A-121 | 90° |
| FL-3100A-122 | 120° |

With EIS[®]: FL-3100A

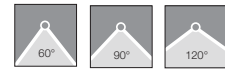




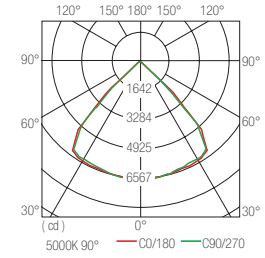
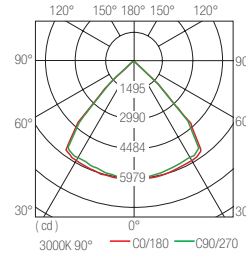
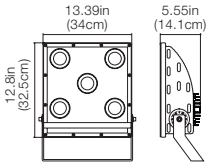
FL-3150A

150W 100-277V Ra≥80
 11,400lm 76lm/W 3000K \triangle 90°
 12,900lm 86lm/W 5000K \triangle 90°

IP 65 IK 09 °C -25~+45 °F -13~+113



Material: Aluminum
 Driver: Built-in
 Housing Color: Dark Bronze
 Power Factor: ≥ 0.9
 Weight: 5.4kg / 11.9lb
 Lifetime: ≥ 50,000hrs



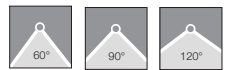
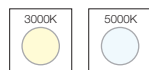
| Item No. | Beam Angle |
|--------------|------------|
| FL-3150A-120 | 60° |
| FL-3150A-121 | 90° |
| FL-3150A-122 | 120° |



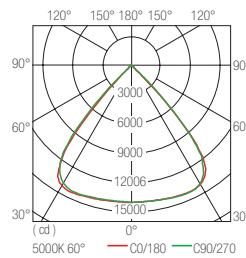
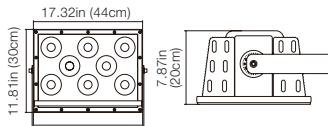
FL-3250

250W 100-277V Ra≥80
 21,750lm 87lm/W 5000K \triangle 60°
 21,000lm 84lm/W 5000K \triangle 90°
 23,250lm 93lm/W 5000K \triangle 120°

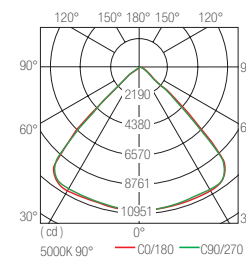
IP 65 IK 09 °C -25~+45 °F -13~+113



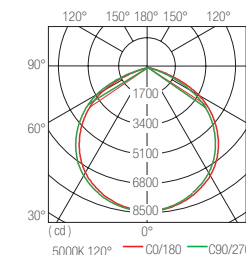
Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 9kg / 19.84lb
 Lifetime: ≥ 50,000hrs



| H(m/ft) | E(lx/fc) | D(cm/in) |
|---------|-------------|----------|
| 2/6.6 | 3407/316.52 | 329/130 |
| 4/13.1 | 852/19.15 | 658/259 |
| 6/19.7 | 379/35.21 | 987/389 |
| 8/26.2 | 213/19.79 | 1316/518 |
| 10/32.8 | 136/12.63 | 1644/647 |
| 12/39.4 | 95/8.83 | 1973/777 |

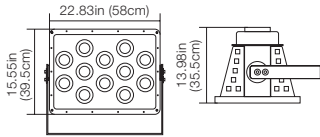


| H(m/ft) | E(lx/fc) | D(cm/in) |
|---------|-------------|----------|
| 2/6.6 | 2738/254.37 | 420/165 |
| 4/13.1 | 684/63.55 | 840/331 |
| 6/19.7 | 304/28.24 | 1160/457 |
| 8/26.2 | 171/15.89 | 1680/661 |
| 10/32.8 | 110/10.22 | 2101/827 |
| 12/39.4 | 76/7.06 | 2521/993 |



| H(m/ft) | E(lx/fc) | D(cm/in) |
|---------|-------------|-----------|
| 2/6.6 | 2042/189.71 | 597/235 |
| 4/13.1 | 511/47.47 | 1194/470 |
| 6/19.7 | 227/21.09 | 1790/705 |
| 8/26.2 | 128/11.89 | 2387/940 |
| 10/32.8 | 82/7.62 | 2984/1175 |
| 12/39.4 | 57/5.3 | 3571/1406 |

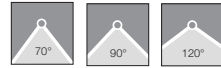
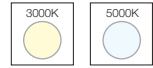
| Item No. | Beam Angle |
|-------------|------------|
| FL-3250-124 | 60° |
| FL-3250-125 | 90° |
| FL-3250-129 | 120° |



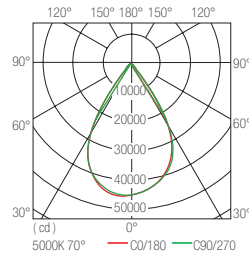
FL-3520

520W 100-277V Ra≥80
 47,320lm 91lm/W 5000K ∠70°
 52,000lm 100lm/W 5000K ∠90°
 46,800lm 90lm/W 5000K ∠120°

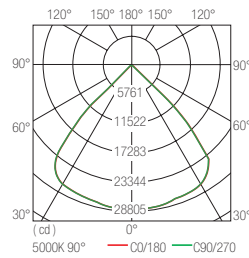
| | | |
|----------|----------|--|
| IP 65 | IK 09 | Temperature -25°C~+45°C -13°F~+113°F |
|----------|----------|--|



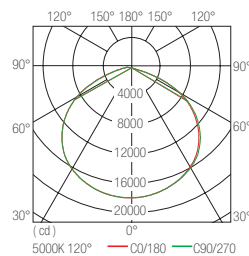
Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 23kg / 50.71lb
 Lifetime: ≥ 50,000hrs



| H(m/ft) | E(lx/fc) | D(cm/in) |
|---------|---------------|----------|
| 1/3.3 | 46973/4363.93 | 126/50 |
| 2/6.6 | 11743/1090.96 | 252/99 |
| 3/9.8 | 5219/484.86 | 377/148 |
| 4/13.1 | 2936/272.76 | 503/198 |
| 5/16.4 | 1879/174.56 | 629/248 |
| 6/19.7 | 1305/121.24 | 755/297 |
| 7/23 | 958/89 | 881/347 |
| 8/26.2 | 734/68.19 | 1006/396 |
| 9/29.5 | 580/53.88 | 1132/446 |
| 10/32.8 | 470/43.66 | 1258/496 |
| 11/36.1 | 388/36.05 | 1384/545 |
| 12/39.4 | 326/30.29 | 1510/594 |



| H(m/ft) | E(lx/fc) | D(cm/in) |
|---------|---------------|----------|
| 1/3.3 | 28805/2676.07 | 195/77 |
| 2/6.6 | 7201/668.99 | 389/153 |
| 3/9.8 | 3201/297.38 | 584/230 |
| 4/13.1 | 1800/167.23 | 779/307 |
| 5/16.4 | 1152/107.2 | 973/383 |
| 6/19.7 | 800/74.32 | 1168/460 |
| 7/23 | 588/54.63 | 1363/537 |
| 8/26.2 | 450/41.81 | 1557/613 |
| 9/29.5 | 356/33.07 | 1752/690 |
| 10/32.8 | 288/26.76 | 1946/766 |
| 11/36.1 | 238/22.11 | 2141/843 |
| 12/39.4 | 200/18.58 | 2336/920 |



| H(m/ft) | E(lx/fc) | D(cm/in) |
|---------|---------------|-----------|
| 1/3.3 | 17018/1581.02 | 307/121 |
| 2/6.6 | 4254/395.21 | 614/242 |
| 3/9.8 | 1891/175.68 | 921/363 |
| 4/13.1 | 1064/98.85 | 1228/483 |
| 5/16.4 | 681/63.27 | 1535/604 |
| 6/19.7 | 473/43.94 | 1842/725 |
| 7/23 | 347/32.24 | 2149/846 |
| 8/26.2 | 266/24.71 | 2456/967 |
| 9/29.5 | 210/19.51 | 2763/1088 |
| 10/32.8 | 170/15.79 | 3070/1209 |
| 11/36.1 | 141/13.1 | 3377/1330 |
| 12/39.4 | 118/10.96 | 3684/1450 |

| Item No. | Beam Angle |
|-------------|------------|
| FL-3520-120 | 70° |
| FL-3520-127 | 90° |
| FL-3520-128 | 120° |

BRIGHTSCAPE LED FLOOD LIGHT







BRIGHTSCAPE 1000 LED FLOOD LIGHT



Big Light, Low Glare

It is different from the common low wattage flood light in the market. The big diffuser covering the array of LEDs provides a better light distribution while effectively reducing glare and discomfort.



Wall Mounting

This luminaire is good for general lighting installations, and is easily mounted on walls. It is also useful as supplementary lighting, such as over work surfaces - in a warehouse, factory, or wherever you like.



Energy Saving

The combination of high-efficiency LED components with excellent whole system design has SONARAY LED lighting achieving energy savings of 40% - 80% compared with traditional lighting sources.



Complies With Multinational Certificationss

Approved by recognized national laboratories for UL (USA and Canada), CE (Europe) and RCM (Australia).



Quality Core Components

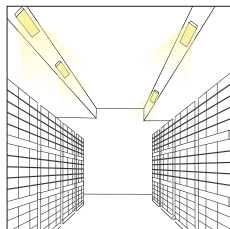
Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality SMD packages that have great quality and long life as backed by LM-80 and TM-21 reports. Quality inside the luminaires that shines from the outside.



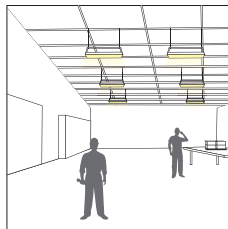
Desirable CRI (Ra)

With a CRI (Ra) of 80 SONARAY's BrightScape brings out the colors you want wherever and however you decide to install it.

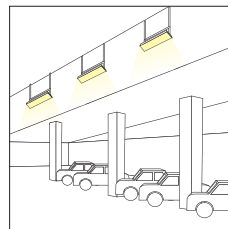
Applications:



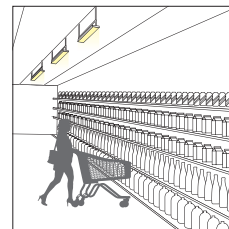
Logistics Warehouses



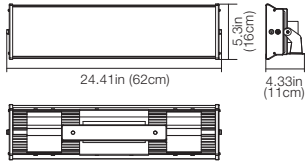
Low Shed Workshops



Indoor Parkings



Supermarkets

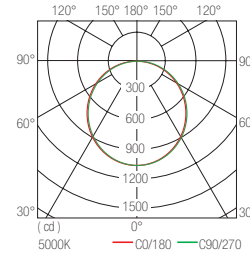


FL-1060E1-30

30W 100-277V 2550lm 85lm/W
5000K Ra≥80

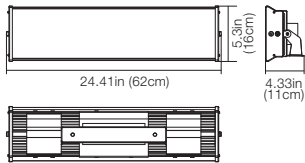


Material: Aluminum Housing Color: Silver
Driver: Built-in Power Factor: ≥ 0.9
Weight: 3.9kg / 8.6lb Lifetime: ≥ 20,000hrs



| | | |
|---------|----------|----------|
| 5000K | | |
| 1/3.3 | 902/83.8 | 293/115 |
| 2/6.6 | 226/21 | 586/231 |
| 3/9.8 | 100/9.29 | 880/346 |
| 4/13.1 | 56/5.2 | 1173/462 |
| 5/16.4 | 36/3.34 | 1465/577 |
| H(m/ft) | E(lw/ft) | D(cm/in) |

| Item No. | Beam Angle |
|-------------------------|-------------|
| FL-1060E1-30-111 | 110° |

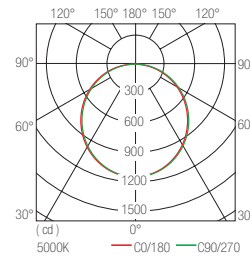


FL-1060E1-40

40W 100-277V 3320lm 83lm/W
5000K Ra≥80



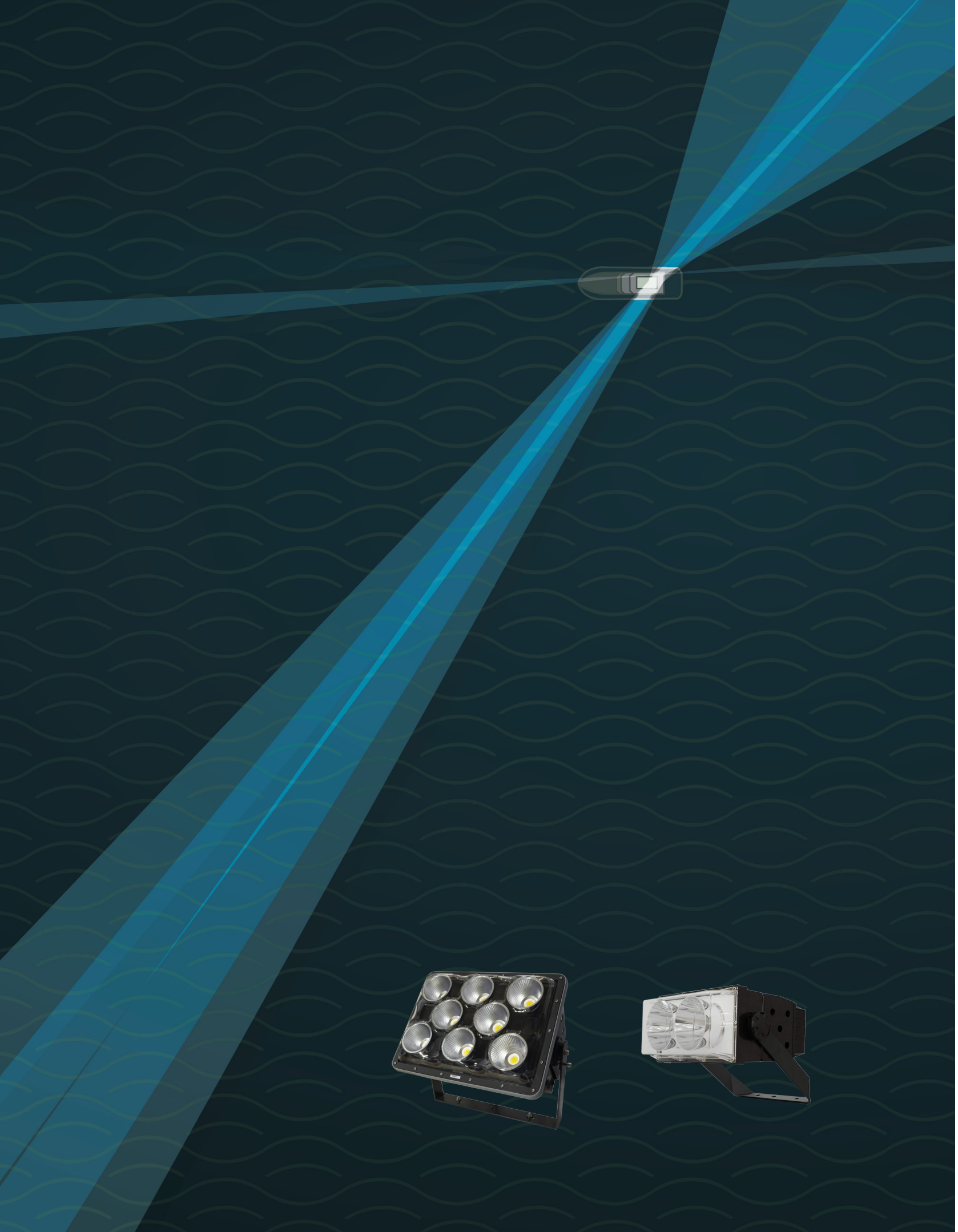
Material: Aluminum Housing Color: Silver
Driver: Built-in Power Factor: ≥ 0.9
Weight: 3.9kg / 8.6lb Lifetime: ≥ 20,000hrs



| | | |
|---------|-------------|----------|
| 5000K | | |
| 1/3.3 | 1175/109.16 | 293/115 |
| 2/6.6 | 294/27.31 | 586/231 |
| 3/9.8 | 131/12.17 | 880/346 |
| 4/13.1 | 73/6.78 | 1173/462 |
| 5/16.4 | 47/4.37 | 1465/577 |
| H(m/ft) | E(lw/ft) | D(cm/in) |

| Item No. | Beam Angle |
|-------------------------|-------------|
| FL-1060E1-40-111 | 110° |

OCEAN RAY



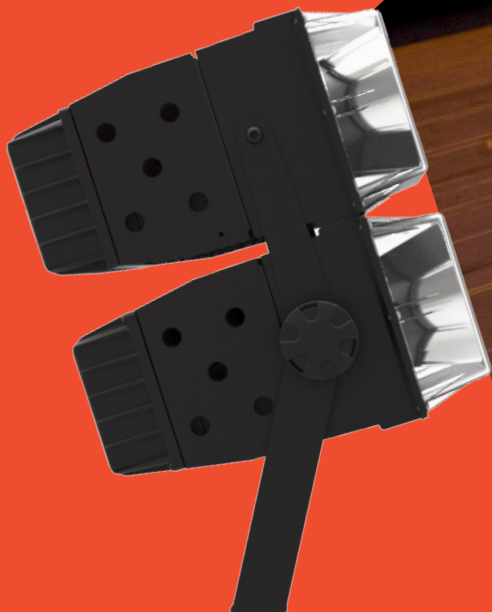
OCEANRAY

Designed to provide exceptional lighting in the fiercest environments, SONARAY is pleased to announce OCEANRAY – our line of maritime LED fixtures.

With a variety of beam angles available from 15 to 120 degrees and in models ranging from 30-1,000 watts, OCEANRAY Flood Lights are engineered to answer the call for crisp, clear, focused lighting. The fixtures are specially treated to resist corrosion and are salt spray resistant so you can be assured of rugged dependability in the toughest marine applications.

Perfect for use in shipyards, on commercial craft in blue or brown water applications, or in virtually any nautical environment, OCEANRAY LED Flood Lights carry an IP65 rating and come in several styles that give you extreme flexibility to fit your unique application.

If you demand lighting that will work as long and hard as you do, begin your voyage with OCEANRAY from SONARAY.





Applications:



Shipyard



Port



Open Water

LED AREA LIGHTING

EXPLORER LED AREA LIGHTING



80/160W



320W



480W



640W

EPSILON LED AREA LIGHTING



250W



520W



1000W



From ultra narrow to wide beam angles, these luminaires provide the right amount of light where you need it, even at a distance.



Salt spray resistant, corrosive resistant: processed with dedicated treatments on the heat sink and other components, these fixtures can withstand corrosive and salt intensive environments.



Thermal management: excellent cooling that can work just as well in the cold – operating temps up to 45°C (113°F) down to -40°C/°F.



The robust designs provide an IP of 65, IK09, and shock and vibration resilience, making them capable to stand up to – and persevere through – harsh environments.





EXPLORER LED AREA LIGHTING



Far Reach

From ultra narrow to wide beam angles, these luminaires provide the right amount of light where you need it, even at a distance.



Easy Interchange System

Our patented 'Plug and Use' Removable Power Supply makes maintenance simple and easy. It takes only five minutes or less to replace a driver unit, greatly reducing maintenance costs and truly enhancing the lifetime of the fixture, all at minimum cost to the end user.



Corrosion Resistant

Salt spray resistant, corrosive resistant: processed with dedicated treatments on the heat sink and other components, these fixtures can withstand corrosive and salt spraying environments.



Excellent Heat Dissipation

Thermal management: excellent cooling that can work just as well in the cold – operating temperatures up to 45°C (113°F), down to -40°C/°F.



Robust, Protective Design

The robust design provides an IP of 65, IK09, and shock and vibration resilience, making them capable to stand up to – and persevere through – harsh environments.

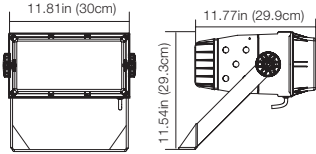
Assessory

 Integrated Surge protection 10kV

 Sensor (daylight / motion)

 Dimming

Input AC / DC



FL-5080

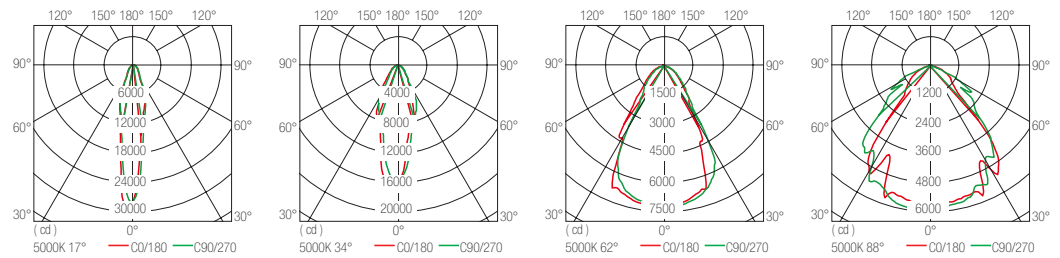
80W AC120-277V DC12-24V Ra≥70
 10,800lm 135lm/W 5000K \triangle 17°
 11,280lm 141lm/W 5000K \triangle 34°
 9600lm 120lm/W 5000K \triangle 62°
 12,480lm 156lm/W 5000K \triangle 88°

IP 65 IK 09 °C -40°C~+45°C °F -40°F~+113°F

5000K



Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 6.1kg / 13.45lb
 Lifetime: ≥ 50,000hrs



5000K 17°

| | | |
|---------|---------------|---------|
| 1/3.3 | 29002/2702.74 | 29/11 |
| 2/6.6 | 7273/675.68 | 59/23 |
| 3/9.8 | 3232/300.26 | 87/34 |
| 4/13.1 | 1818/168.9 | 117/46 |
| 5/16.4 | 1164/108.14 | 146/57 |
| 6/19.7 | 808/75.07 | 175/69 |
| 7/23 | 594/55.18 | 204/80 |
| 8/26.2 | 455/42.27 | 233/92 |
| 9/29.5 | 359/33.35 | 262/103 |
| 10/32.8 | 291/27.03 | 291/115 |
| 11/36.1 | 240/22.3 | 321/126 |
| 12/39.4 | 202/18.77 | 350/138 |
| 13/42.7 | 172/15.98 | 379/149 |
| 14/45.9 | 148/13.75 | 408/161 |
| 15/49.2 | 129/11.98 | 437/172 |
| Hlx/ft | E(lx) | D(m/in) |

5000K 34°

| | | |
|---------|---------------|---------|
| 1/3.3 | 15480/1438.14 | 64/25 |
| 2/6.6 | 3870/359.53 | 127/50 |
| 3/9.8 | 1720/159.79 | 191/75 |
| 4/13.1 | 989/89.93 | 255/100 |
| 5/16.4 | 619/57.51 | 319/126 |
| 6/19.7 | 430/39.95 | 382/150 |
| 7/23 | 316/29.38 | 446/176 |
| 8/26.2 | 242/22.48 | 510/201 |
| 9/29.5 | 191/17.74 | 573/226 |
| 10/32.8 | 155/14.4 | 637/251 |
| 11/36.1 | 128/11.89 | 701/276 |
| 12/39.4 | 108/10.03 | 765/301 |
| 13/42.7 | 92/8.55 | 828/326 |
| 14/45.9 | 79/7.34 | 892/351 |
| 15/49.2 | 69/6.41 | 956/376 |
| Hlx/ft | E(lx) | D(m/in) |

5000K 62°

| | | |
|---------|-------------|----------|
| 1/3.3 | 7205/669.37 | 121/48 |
| 2/6.6 | 1801/167.32 | 243/96 |
| 3/9.8 | 801/74.42 | 364/143 |
| 4/13.1 | 450/41.81 | 486/191 |
| 5/16.4 | 288/26.76 | 607/239 |
| 6/19.7 | 200/18.58 | 729/287 |
| 7/23 | 147/13.66 | 850/335 |
| 8/26.2 | 113/10.5 | 971/382 |
| 9/29.5 | 89/8.27 | 1093/430 |
| 10/32.8 | 72/6.69 | 1214/478 |
| 11/36.1 | 60/5.57 | 1336/526 |
| 12/39.4 | 50/4.65 | 1457/574 |
| 13/42.7 | 43/3.99 | 1578/621 |
| 14/45.9 | 37/3.44 | 1700/669 |
| 15/49.2 | 32/2.97 | 1821/717 |
| Hlx/ft | E(lx) | D(m/in) |

5000K 88°

| | | |
|---------|-------------|----------|
| 1/3.3 | 5872/545.53 | 168/66 |
| 2/6.6 | 1468/136.38 | 336/132 |
| 3/9.8 | 653/60.67 | 503/198 |
| 4/13.1 | 367/34.1 | 671/264 |
| 5/16.4 | 235/21.83 | 839/330 |
| 6/19.7 | 163/15.14 | 1007/396 |
| 7/23 | 120/11.15 | 1175/463 |
| 8/26.2 | 92/8.55 | 1342/528 |
| 9/29.5 | 73/6.78 | 1510/594 |
| 10/32.8 | 59/5.48 | 1678/661 |
| 11/36.1 | 49/4.55 | 1846/727 |
| 12/39.4 | 41/3.81 | 2014/793 |
| 13/42.7 | 35/3.25 | 2181/859 |
| 14/45.9 | 30/2.79 | 2349/925 |
| 15/49.2 | 26/2.42 | 2517/991 |
| Hlx/ft | E(lx) | D(m/in) |

| Item No. | Beam Angle |
|----------------|------------|
| FL-5080-N750L | 17° |
| FL-5080-M750L | 34° |
| FL-5080-W750L | 62° |
| FL-5080-WW750L | 88° |

EXPLORER
LED AREA
LIGHTING

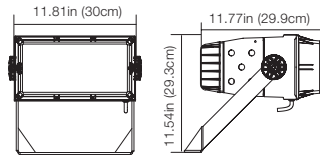




FL-5160

80W AC120-277V DC12-24V Ra≥70
 19,520lm 122lm/W 5000K \triangle 17°
 20,640lm 129lm/W 5000K \triangle 34°
 17,600lm 110lm/W 5000K \triangle 62°
 22,560lm 141lm/W 5000K \triangle 88°

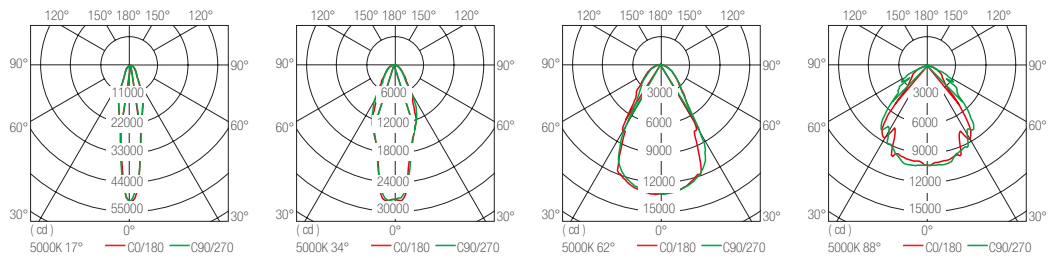
IP 65 IK 09 °C -40°C~+45°C °F -40°F~+113°F



5000K



Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 6.6kg / 14.55lb
 Lifetime: ≥50,000hrs



5000K 17°

| H(m) | E(m) | D(m) |
|---------|---------------|---------|
| 1/3.3 | 53454/4966.04 | 29/11 |
| 2/6.6 | 13964/1241.56 | 58/23 |
| 3/9.9 | 5939/550.92 | 87/34 |
| 4/13.2 | 3341/310.39 | 116/46 |
| 5/16.5 | 2138/198.63 | 145/57 |
| 6/19.8 | 1485/137.96 | 174/69 |
| 7/23.1 | 1091/101.36 | 203/80 |
| 8/26.4 | 835/77.57 | 231/91 |
| 9/29.7 | 660/61.32 | 260/91 |
| 10/33.0 | 535/49.7 | 289/114 |
| 11/36.3 | 442/41.06 | 318/125 |
| 12/39.6 | 371/34.47 | 347/137 |
| 13/42.9 | 316/29.36 | 376/148 |
| 14/46.2 | 273/25.36 | 405/159 |
| 15/49.5 | 238/22.11 | 434/171 |

5000K 34°

| H(m) | E(m) | D(m) |
|---------|---------------|---------|
| 1/3.3 | 28283/2627.58 | 63/25 |
| 2/6.6 | 7071/656.92 | 127/50 |
| 3/9.9 | 3143/292 | 190/75 |
| 4/13.2 | 1789/164.25 | 254/100 |
| 5/16.5 | 1131/105.07 | 317/125 |
| 6/19.8 | 786/73.02 | 380/150 |
| 7/23.1 | 577/53.61 | 444/175 |
| 8/26.4 | 442/41.06 | 507/200 |
| 9/29.7 | 349/32.42 | 571/225 |
| 10/33.0 | 283/26.29 | 634/250 |
| 11/36.3 | 234/21.74 | 697/274 |
| 12/39.6 | 195/18.21 | 761/300 |
| 13/42.9 | 167/15.51 | 824/324 |
| 14/46.2 | 144/13.38 | 888/350 |
| 15/49.5 | 126/11.71 | 951/374 |

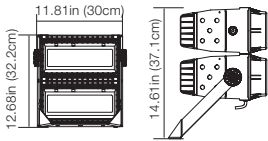
5000K 62°

| H(m) | E(m) | D(m) |
|---------|---------------|----------|
| 1/3.3 | 12974/1205.32 | 121/48 |
| 2/6.6 | 3243/301.28 | 241/95 |
| 3/9.9 | 1442/133.97 | 362/143 |
| 4/13.2 | 811/75.34 | 482/190 |
| 5/16.5 | 519/48.22 | 603/237 |
| 6/19.8 | 360/33.45 | 723/285 |
| 7/23.1 | 265/24.62 | 844/332 |
| 8/26.4 | 203/18.96 | 964/380 |
| 9/29.7 | 160/14.86 | 1085/427 |
| 10/33.0 | 130/12.08 | 1205/474 |
| 11/36.3 | 107/9.94 | 1326/522 |
| 12/39.6 | 90/8.36 | 1446/569 |
| 13/42.9 | 77/7.15 | 1567/617 |
| 14/46.2 | 66/6.13 | 1687/664 |
| 15/49.5 | 58/5.39 | 1808/712 |

5000K 88°

| H(m) | E(m) | D(m) |
|---------|--------------|----------|
| 1/3.3 | 10529/978.08 | 169/67 |
| 2/6.6 | 2632/244.52 | 339/133 |
| 3/9.9 | 1170/108.7 | 509/199 |
| 4/13.2 | 658/61.13 | 675/266 |
| 5/16.5 | 421/39.11 | 844/332 |
| 6/19.8 | 292/27.13 | 1013/399 |
| 7/23.1 | 215/19.97 | 1181/465 |
| 8/26.4 | 165/15.33 | 1350/531 |
| 9/29.7 | 130/12.08 | 1519/598 |
| 10/33.0 | 105/9.75 | 1688/665 |
| 11/36.3 | 87/8.08 | 1856/731 |
| 12/39.6 | 73/6.78 | 2025/797 |
| 13/42.9 | 62/5.76 | 2194/864 |
| 14/46.2 | 54/5.02 | 2363/930 |
| 15/49.5 | 47/4.37 | 2531/996 |

| Item No. | Beam Angle |
|----------------|------------|
| FL-5160-N750L | 17° |
| FL-5160-M750L | 34° |
| FL-5160-W750L | 62° |
| FL-5160-WW750L | 88° |



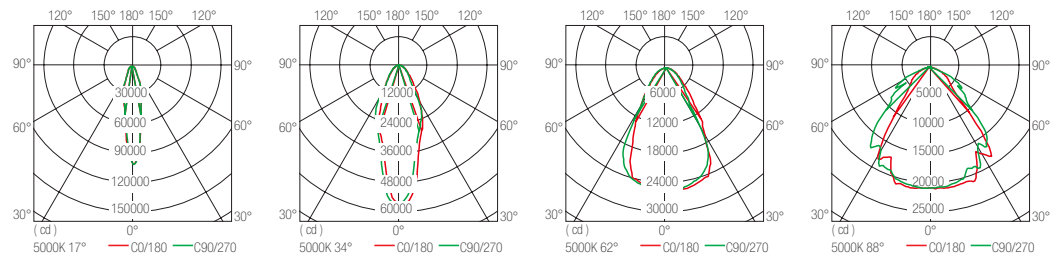
FL-5320

320W 120-277V Ra≥70
 38,720lm 121lm/W 5000K \triangle 17°
 40,960lm 128lm/W 5000K \triangle 34°
 32,240lm 107lm/W 5000K \triangle 62°
 43,840lm 137lm/W 5000K \triangle 88°

IP 65 IK 09 °C -40°C~+45°C °F -40°F~+113°F



Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 13.2kg / 29.1lb
 Lifetime: ≥ 50,000hrs



5000K 17°

| H(ft) | E(m/c) | D(cm/in) |
|---------|----------------|----------|
| 1/3.3 | 101835/9460.78 | 32/13 |
| 2/6.6 | 25459/2365.22 | 64/25 |
| 3/9.9 | 11315/1051.2 | 96/38 |
| 4/13.1 | 6365/591.33 | 128/50 |
| 5/16.4 | 4073/378.39 | 160/63 |
| 6/19.7 | 2829/262.82 | 192/76 |
| 7/23 | 2078/193.05 | 224/88 |
| 8/26.2 | 1591/147.81 | 256/101 |
| 9/29.5 | 1257/116.78 | 288/113 |
| 10/32.8 | 1018/94.58 | 319/126 |
| 11/36.1 | 842/78.22 | 351/138 |
| 12/39.4 | 707/65.68 | 383/151 |
| 13/42.7 | 603/56.02 | 415/163 |
| 14/45.9 | 520/48.31 | 447/176 |
| 15/49.2 | 453/42.09 | 479/189 |

5000K 34°

| H(ft) | E(m/c) | D(cm/in) |
|---------|---------------|----------|
| 1/3.3 | 58165/5217.9 | 64/25 |
| 2/6.6 | 14041/1304.45 | 127/50 |
| 3/9.9 | 6241/579.81 | 191/75 |
| 4/13.1 | 3510/326.09 | 254/100 |
| 5/16.4 | 2247/208.75 | 318/125 |
| 6/19.7 | 1560/144.93 | 381/150 |
| 7/23 | 1146/106.47 | 445/175 |
| 8/26.2 | 878/81.57 | 509/200 |
| 9/29.5 | 693/64.38 | 572/225 |
| 10/32.8 | 562/52.21 | 636/250 |
| 11/36.1 | 464/43.1 | 699/275 |
| 12/39.4 | 390/36.23 | 763/300 |
| 13/42.7 | 332/30.84 | 827/326 |
| 14/45.9 | 287/26.66 | 890/350 |
| 15/49.2 | 250/23.23 | 954/376 |

5000K 62°

| H(ft) | E(m/c) | D(cm/in) |
|---------|---------------|----------|
| 1/3.3 | 25112/2332.98 | 120/47 |
| 2/6.6 | 6278/583.25 | 241/95 |
| 3/9.9 | 2790/259.2 | 361/142 |
| 4/13.1 | 1569/145.76 | 482/190 |
| 5/16.4 | 1004/93.27 | 602/237 |
| 6/19.7 | 698/64.85 | 723/285 |
| 7/23 | 513/47.66 | 833/322 |
| 8/26.2 | 392/36.42 | 964/380 |
| 9/29.5 | 310/28.8 | 1084/427 |
| 10/32.8 | 251/23.32 | 1205/474 |
| 11/36.1 | 208/19.32 | 1325/522 |
| 12/39.4 | 174/16.17 | 1446/569 |
| 13/42.7 | 149/13.84 | 1566/617 |
| 14/45.9 | 128/11.89 | 1687/664 |
| 15/49.2 | 112/10.41 | 1807/711 |

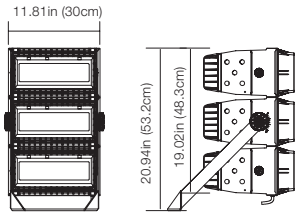
5000K 88°

| H(ft) | E(m/c) | D(cm/in) |
|---------|---------------|----------|
| 1/3.3 | 20510/1905.44 | 161/63 |
| 2/6.6 | 5128/476.41 | 321/126 |
| 3/9.9 | 2279/211.73 | 482/190 |
| 4/13.1 | 1282/119.1 | 642/253 |
| 5/16.4 | 820/76.18 | 803/316 |
| 6/19.7 | 570/52.95 | 964/380 |
| 7/23 | 419/38.93 | 1124/443 |
| 8/26.2 | 321/29.82 | 1285/506 |
| 9/29.5 | 253/23.5 | 1446/569 |
| 10/32.8 | 205/19.05 | 1606/632 |
| 11/36.1 | 170/15.79 | 1767/696 |
| 12/39.4 | 142/13.19 | 1927/759 |
| 13/42.7 | 121/11.24 | 2088/822 |
| 14/45.9 | 105/9.75 | 2249/885 |
| 15/49.2 | 91/8.45 | 2409/948 |

| Item No. | Beam Angle |
|----------------|------------|
| FL-5320-N750L | 17° |
| FL-5320-M750L | 34° |
| FL-5320-W750L | 62° |
| FL-5320-WW750L | 88° |

EXPLORER
LED AREA
LIGHTING





FL-5480

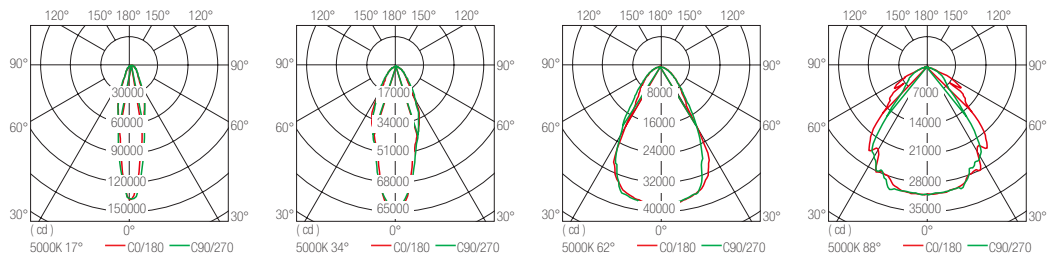
480W 120-277V Ra≥70
 58,080lm 121lm/W 5000K \triangle 17°
 60,960lm 127lm/W 5000K \triangle 34°
 51,360lm 107lm/W 5000K \triangle 62°
 64,320lm 134lm/W 5000K \triangle 88°

IP 65 IK 09 °C -40°C~+45°C °F -40°F~+113°F

5000K



Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 19.8kg / 43.65lb
 Lifetime: ≥50,000hrs



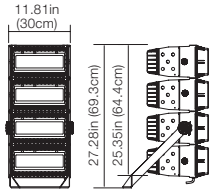
| H(m) | E(lm) | D(cm) |
|---------|-----------------|---------|
| 1/3.3 | 137325/12757.91 | 34/13 |
| 2/6.6 | 34331/3189.45 | 69/27 |
| 3/9.9 | 15258/1417.51 | 103/41 |
| 4/13.1 | 8583/797.39 | 138/54 |
| 5/16.4 | 5403/510.32 | 172/68 |
| 6/19.7 | 3815/354.43 | 207/81 |
| 7/23 | 2803/260.41 | 241/95 |
| 8/26.2 | 2146/199.37 | 278/109 |
| 9/29.5 | 1685/157.47 | 310/122 |
| 10/32.8 | 1373/127.56 | 345/136 |
| 11/36.1 | 1135/105.44 | 379/149 |
| 12/39.4 | 954/88.63 | 414/163 |
| 13/42.7 | 813/75.53 | 448/176 |
| 14/45.9 | 701/65.13 | 482/190 |
| 15/49.2 | 610/56.67 | 517/204 |

| H(m) | E(lm) | D(cm) |
|---------|---------------|---------|
| 1/3.3 | 83474/7754.99 | 63/25 |
| 2/6.6 | 20868/1938.7 | 127/50 |
| 3/9.9 | 9275/861.68 | 190/75 |
| 4/13.1 | 5217/484.68 | 254/100 |
| 5/16.4 | 3339/310.2 | 317/125 |
| 6/19.7 | 2319/215.44 | 381/150 |
| 7/23 | 1704/158.31 | 444/175 |
| 8/26.2 | 1304/121.15 | 508/200 |
| 9/29.5 | 1031/96.78 | 571/225 |
| 10/32.8 | 835/77.57 | 635/250 |
| 11/36.1 | 690/64.1 | 698/275 |
| 12/39.4 | 580/53.88 | 762/300 |
| 13/42.7 | 494/45.89 | 825/325 |
| 14/45.9 | 426/39.58 | 889/350 |
| 15/49.2 | 373/34.47 | 952/375 |

| H(m) | E(lm) | D(cm) |
|---------|---------------|----------|
| 1/3.3 | 37862/3517.49 | 120/47 |
| 2/6.6 | 9465/879.33 | 241/95 |
| 3/9.9 | 4207/390.84 | 361/142 |
| 4/13.1 | 2366/219.81 | 482/190 |
| 5/16.4 | 1514/140.66 | 602/237 |
| 6/19.7 | 1052/97.73 | 723/285 |
| 7/23 | 773/71.81 | 843/332 |
| 8/26.2 | 592/55 | 963/379 |
| 9/29.5 | 467/43.39 | 1084/427 |
| 10/32.8 | 379/35.21 | 1204/474 |
| 11/36.1 | 313/29.08 | 1325/522 |
| 12/39.4 | 263/24.43 | 1445/569 |
| 13/42.7 | 224/20.81 | 1566/617 |
| 14/45.9 | 193/17.93 | 1686/664 |
| 15/49.2 | 168/15.61 | 1806/711 |

| H(m) | E(lm) | D(cm) |
|---------|---------------|----------|
| 1/3.3 | 30878/2822.21 | 163/64 |
| 2/6.6 | 7595/705.6 | 326/128 |
| 3/9.9 | 3375/313.55 | 489/193 |
| 4/13.1 | 1899/176.42 | 652/257 |
| 5/16.4 | 1215/112.88 | 816/321 |
| 6/19.7 | 844/78.41 | 979/385 |
| 7/23 | 620/57.6 | 1142/450 |
| 8/26.2 | 475/44.13 | 1305/514 |
| 9/29.5 | 375/34.84 | 1468/578 |
| 10/32.8 | 304/28.24 | 1631/642 |
| 11/36.1 | 251/23.32 | 1794/706 |
| 12/39.4 | 211/19.6 | 1957/770 |
| 13/42.7 | 180/16.72 | 2120/835 |
| 14/45.9 | 155/14.4 | 2283/899 |
| 15/49.2 | 135/12.54 | 2447/963 |

| Item No. | Beam Angle |
|----------------|------------|
| FL-5480-N750L | 17° |
| FL-5480-M750L | 34° |
| FL-5480-W750L | 62° |
| FL-5480-WW750L | 88° |



FL-5640

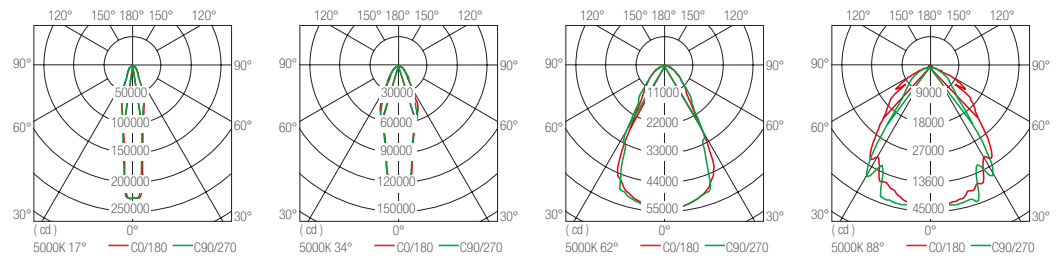
640W 120-277V Ra \geq 70
 77,440lm 121lm/W 5000K \triangle 17°
 80,640lm 126lm/W 5000K \triangle 34°
 67,840lm 106lm/W 5000K \triangle 62°
 85,120lm 133lm/W 5000K \triangle 88°

IP 65 IK 09 °C -40°C~+45°C °F -40°F~+113°F

5000K ° 8° 17° 34° 62° 88°



Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: \geq 0.9
 Weight: 26.4kg / 58.2lb
 Lifetime: \geq 50,000hrs



5000K 17°

| H(ft) | E(ft/c) | D(cm/in) |
|---------|-----------------|----------|
| 1/3.3 | 225356/20936.26 | 29/11 |
| 2/6.6 | 56339/5294.06 | 59/23 |
| 3/9.9 | 25040/2326.29 | 88/35 |
| 4/13.1 | 14085/1308.54 | 117/46 |
| 5/16.4 | 9014/837.43 | 147/58 |
| 6/19.7 | 6260/581.57 | 176/69 |
| 7/23 | 4599/427.26 | 205/81 |
| 8/26.2 | 3521/327.11 | 235/91 |
| 9/29.5 | 2782/258.46 | 264/104 |
| 10/32.8 | 2254/209.4 | 293/115 |
| 11/36.1 | 1962/172.99 | 323/127 |
| 12/39.4 | 1565/145.39 | 352/139 |
| 13/42.7 | 1333/123.84 | 381/150 |
| 14/45.9 | 1150/106.84 | 410/161 |
| 15/49.2 | 1002/93.09 | 440/173 |

5000K 34°

| H(ft) | E(ft/c) | D(cm/in) |
|---------|----------------|----------|
| 1/3.3 | 117614/10926.7 | 61/24 |
| 2/6.6 | 29404/2731.72 | 122/48 |
| 3/9.9 | 13069/1214.06 | 183/48 |
| 4/13.1 | 7351/682.93 | 244/96 |
| 5/16.4 | 4705/437.11 | 305/120 |
| 6/19.7 | 3267/303.51 | 366/144 |
| 7/23 | 2400/222.97 | 427/168 |
| 8/26.2 | 1839/170.76 | 488/192 |
| 9/29.5 | 1452/134.9 | 549/216 |
| 10/32.8 | 1176/109.25 | 610/240 |
| 11/36.1 | 972/90.3 | 671/264 |
| 12/39.4 | 817/75.9 | 732/288 |
| 13/42.7 | 696/64.66 | 794/313 |
| 14/45.9 | 600/55.74 | 856/337 |
| 15/49.2 | 523/48.59 | 916/361 |

5000K 62°

| H(ft) | E(ft/c) | D(cm/in) |
|---------|---------------|----------|
| 1/3.3 | 53292/4950.99 | 114/45 |
| 2/6.6 | 13323/1237.75 | 228/90 |
| 3/9.9 | 5921/550.08 | 342/135 |
| 4/13.1 | 3331/309.46 | 456/180 |
| 5/16.4 | 2132/198.07 | 570/224 |
| 6/19.7 | 1480/137.5 | 684/269 |
| 7/23 | 1088/101.08 | 799/315 |
| 8/26.2 | 833/77.39 | 913/359 |
| 9/29.5 | 658/61.13 | 1027/404 |
| 10/32.8 | 533/49.52 | 1141/449 |
| 11/36.1 | 440/40.88 | 1255/494 |
| 12/39.4 | 370/34.37 | 1369/539 |
| 13/42.7 | 315/29.26 | 1483/584 |
| 14/45.9 | 272/25.27 | 1597/629 |
| 15/49.2 | 237/22.02 | 1711/674 |

5000K 88°

| H(ft) | E(ft/c) | D(cm/in) |
|---------|---------------|----------|
| 1/3.3 | 42499/3948.29 | 151/59 |
| 2/6.6 | 10625/987.09 | 302/119 |
| 3/9.9 | 4722/438.69 | 453/178 |
| 4/13.1 | 2656/246.75 | 604/238 |
| 5/16.4 | 1700/157.94 | 755/297 |
| 6/19.7 | 1181/109.72 | 906/357 |
| 7/23 | 867/80.55 | 1057/416 |
| 8/26.2 | 684/61.69 | 1208/476 |
| 9/29.5 | 525/48.77 | 1359/535 |
| 10/32.8 | 425/39.48 | 1510/594 |
| 11/36.1 | 351/32.61 | 1661/654 |
| 12/39.4 | 295/27.41 | 1812/713 |
| 13/42.7 | 252/23.41 | 1963/773 |
| 14/45.9 | 217/20.16 | 2114/832 |
| 15/49.2 | 189/17.56 | 2265/892 |

| Item No. | Beam Angle |
|----------------|------------|
| FL-5640-N750L | 17° |
| FL-5640-M750L | 34° |
| FL-5640-W750L | 62° |
| FL-5640-WW750L | 88° |

EXPLORER
LED AREA
LIGHTING



FL-3250N



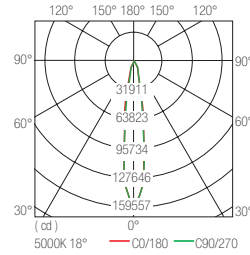
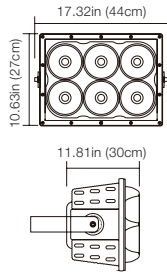
250W 100-277V Ra≥80
 25,250lm 101lm/W 5000K 18°
 30,750lm 123lm/W 5000K 28°
 29,500lm 118lm/W 5000K 40°

IP 65 IK 08 -25°C~+45°C
 -13°F~+113°F

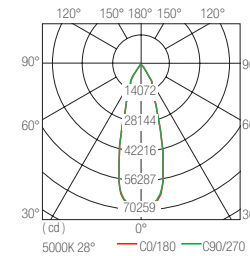


Material: Aluminum
 Driver: Built-in
 Housing Color: Dark Bronze
 Power Factor: ≥ 0.9
 Weight: 8.7kg / 19.18lb
 Lifetime: ≥ 50,000hrs

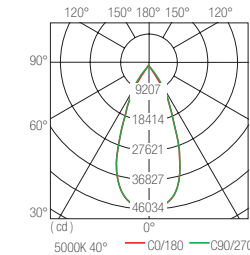
| Item No. | Beam Angle |
|--------------|------------|
| FL-3250N-112 | 18° |
| FL-3250N-114 | 28° |
| FL-3250N-116 | 40° |



| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-----------------|----------|
| 1/3.3 | 159557/14823.33 | 3/1 |
| 5/16.4 | 6382/595.91 | 13/5 |
| 10/32.8 | 1596/148.27 | 26/10 |
| 15/49.2 | 709/65.87 | 39/15 |
| 20/65.6 | 299/27.78 | 51/20 |
| 25/82 | 255/23.69 | 64/25 |
| 30/98.4 | 177/16.44 | 77/30 |



| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|---------------|----------|
| 1/3.3 | 70359/6536.56 | 60/24 |
| 5/16.4 | 2814/261.43 | 299/118 |
| 10/32.8 | 704/65.4 | 599/236 |
| 15/49.2 | 313/29.08 | 898/354 |
| 20/65.6 | 176/16.35 | 1198/472 |
| 25/82 | 113/10.5 | 1497/589 |
| 30/98.4 | 79/7.34 | 1796/707 |



| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|--------------|----------|
| 1/3.3 | 46034/4276.7 | 84/33 |
| 5/16.4 | 1841/171.03 | 419/165 |
| 10/32.8 | 460/42.74 | 838/330 |
| 15/49.2 | 205/19.05 | 1258/495 |
| 20/65.6 | 115/10.68 | 1677/660 |
| 25/82 | 74/6.87 | 2096/825 |
| 30/98.4 | 51/4.74 | 2515/990 |

FL-3520N



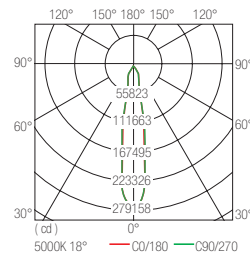
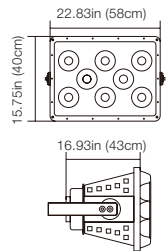
520W 100-277V Ra≥80
 57,720lm 111lm/W 5000K 18°
 55,640lm 107lm/W 5000K 28°
 53,040lm 102lm/W 5000K 40°

IP 65 IK 08 -25°C~+45°C
 -13°F~+113°F

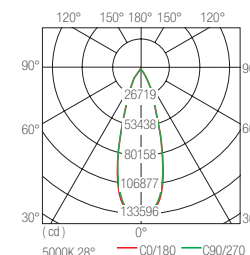


Material: Aluminum
 Driver: Built-in
 Housing Color: Dark Bronze
 Power Factor: ≥ 0.9
 Weight: 21.3kg / 48.98lb
 Lifetime: ≥ 50,000hrs

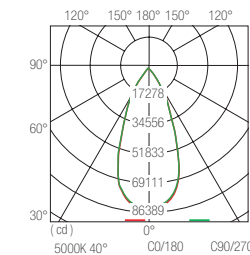
| Item No. | Beam Angle |
|--------------|------------|
| FL-3520N-112 | 18° |
| FL-3520N-114 | 28° |
| FL-3520N-116 | 40° |



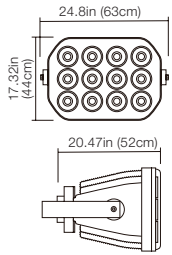
| H(m/ft) | E(lx/ftc) | D(cm/in) |
|----------|-----------------|------------|
| 1/3.3 | 279158/25934.63 | 0.48/0.19 |
| 5/16.4 | 11166/1037.36 | 2.41/0.95 |
| 10/32.8 | 2792/259.39 | 4.81/1.89 |
| 15/49.2 | 1241/115.29 | 7.22/2.84 |
| 20/65.6 | 698/64.85 | 9.63/3.79 |
| 25/82 | 447/41.53 | 12.03/4.74 |
| 30/98.4 | 310/28.8 | 14.44/5.69 |
| 35/114.8 | 228/21.18 | 16.85/6.63 |
| 40/131.2 | 174/16.17 | 19.25/7.58 |
| 45/147.6 | 138/12.82 | 21.66/8.53 |
| 50/164 | 112/10.41 | 24.07/9.48 |



| H(m/ft) | E(lx/ftc) | D(cm/in) |
|----------|-----------------|-----------|
| 1/3.3 | 133596/12411.47 | 59/23 |
| 5/16.4 | 5344/496.47 | 297/116 |
| 10/32.8 | 1336/124.12 | 594/234 |
| 15/49.2 | 594/55.18 | 892/351 |
| 20/65.6 | 334/31.03 | 1189/468 |
| 25/82 | 214/19.88 | 1486/585 |
| 30/98.4 | 148/13.75 | 1783/702 |
| 35/114.8 | 109/10.13 | 2080/819 |
| 40/131.2 | 84/7.8 | 237/936 |
| 45/147.6 | 66/6.13 | 2675/1053 |
| 50/164 | 53/4.92 | 2972/1170 |



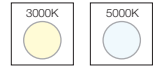
| H(m/ft) | E(lx/ftc) | D(cm/in) |
|----------|--------------|-----------|
| 1/3.3 | 86389/8025.8 | 83/33 |
| 5/16.4 | 3456/321.07 | 414/163 |
| 15/49.2 | 384/35.67 | 1243/489 |
| 20/65.6 | 216/20.07 | 1657/652 |
| 25/82 | 138/12.82 | 2072/816 |
| 30/98.4 | 96/8.92 | 2486/979 |
| 35/114.8 | 71/6.6 | 2900/1142 |
| 40/131.2 | 54/5.02 | 3315/1305 |
| 45/147.6 | 43/3.99 | 3729/1468 |
| 50/164 | 35/3.25 | 4143/1631 |



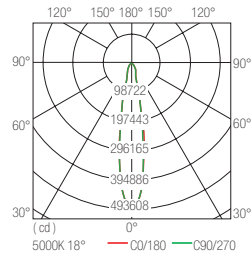
FL-41000N

1000W 100-277V Ra≥80
 93,000lm 93lm/W 5000K \triangle 18°
 99,000lm 99lm/W 5000K \triangle 28°
 103,000lm 103lm/W 5000K \triangle 40°

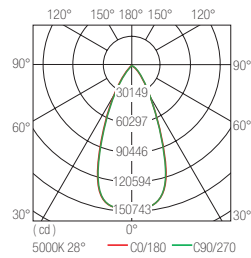
| | | |
|----------|----------|--|
| IP 65 | IK 08 | Temperature -25°C~+45°C -13°F~+113°F |
|----------|----------|--|



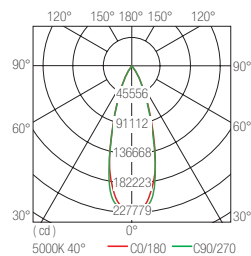
Material: Aluminum
 Housing Color: Dark Bronze
 Driver: Built-in
 Power Factor: ≥ 0.9
 Weight: 44.2kg / 97.44lb
 Lifetime: ≥ 50,000hrs



| H(m/ft) | E(lx/fc) | D(cm/in) |
|-----------|-------------|-----------|
| 10/32.8 | 4936/458.57 | 347/137 |
| 20/65.6 | 1234/114.64 | 695/274 |
| 30/98.4 | 548/50.91 | 1042/410 |
| 40/131.2 | 309/28.71 | 1389/547 |
| 50/164 | 194/18.02 | 1737/684 |
| 60/196.9 | 137/12.73 | 2084/820 |
| 70/229.7 | 101/9.38 | 2432/957 |
| 80/262.5 | 77/7.15 | 2779/1094 |
| 90/295.3 | 61/5.67 | 3126/1231 |
| 100/328.1 | 49/4.55 | 3474/1368 |



| H(m/ft) | E(lx/fc) | D(cm/in) |
|-----------|-------------|-----------|
| 10/32.8 | 2277/211.54 | 610/240 |
| 20/65.6 | 569/52.86 | 1220/480 |
| 30/98.4 | 253/23.5 | 1830/720 |
| 40/131.2 | 142/13.19 | 2430/957 |
| 50/164 | 91/8.45 | 3040/1197 |
| 60/196.9 | 63/5.85 | 3650/1437 |
| 70/229.7 | 47/4.37 | 4260/1677 |
| 80/262.5 | 36/3.34 | 4870/1917 |
| 90/295.3 | 28/2.6 | 5480/2157 |
| 100/328.1 | 23/2.14 | 6090/2398 |



| H(m/ft) | E(lx/fc) | D(cm/in) |
|-----------|-------------|-----------|
| 10/32.8 | 1506/139.91 | 863/340 |
| 20/65.6 | 376/34.93 | 1726/680 |
| 30/98.4 | 167/15.51 | 2581/1016 |
| 40/131.2 | 94/8.73 | 3453/1359 |
| 50/164 | 60/5.57 | 4316/1699 |
| 60/196.9 | 42/3.9 | 5179/2039 |
| 70/229.7 | 31/2.88 | 6066/2719 |
| 80/262.5 | 24/2.23 | 6906/2719 |
| 90/295.3 | 19/1.77 | 7769/3059 |
| 100/328.1 | 15/1.39 | 8632/3398 |

| Item No. | Beam Angle |
|---------------|------------|
| FL-41000N-112 | 18° |
| FL-41000N-114 | 28° |
| FL-41000N-116 | 40° |

EPSILON
LED AREA
LIGHTING



DELTA LED PETROL STATION LUMINAIRE





Viter = 5 Punkte
Shell Power Shell CLUB-EM 150

4

6

8

2

FINN 539

FINN 729

FINN 229

V-Power
Shell
Club-EM 150



DELTA LED PETROL STATION LUMINAIRE



Excellent Heat Dissipation

The specially designed heat sink does not let dust easily collect. While also allowing more air to flow through it, it provides for greater heat dissipation and, in turn, improves the performance of a long-lasting, durable luminaire.

IP65

High Durability

A robust, protective design gives this luminaire an IP of 65 and the ability to handle harsh environments.



Energy Saving

The combination of high-efficacy LED components with excellent whole system design has SONARAY LED lighting achieving energy savings of 40% - 80% compared with traditional lighting sources.



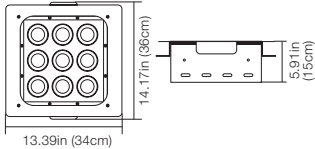
Quality Core Components

Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality COB packages from CILIED - chipsets that have great quality and long life as backed by LM-80 and TM-21 reports. Quality inside the luminaires that shines on the outside.



Motion Sensor

Innovative motion sensor control triggers the fixture to full-on when motion is detected and drop down to 30% output when the space below is empty.



PT-1130

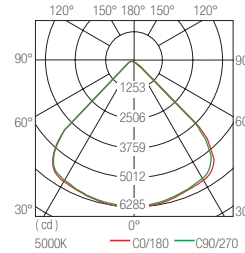
130W 100-277V 12,090lm 93lm/W
5000K Ra≥80

IP 54 90° -25°C~+45°C
-13°F~+113°F

3000K 5000K



Material: Aluminum Power Factor: ≥ 0.9
Driver: Built-in Lifetime: ≥ 50,000hrs
Weight: 5.7kg / 12.56lb

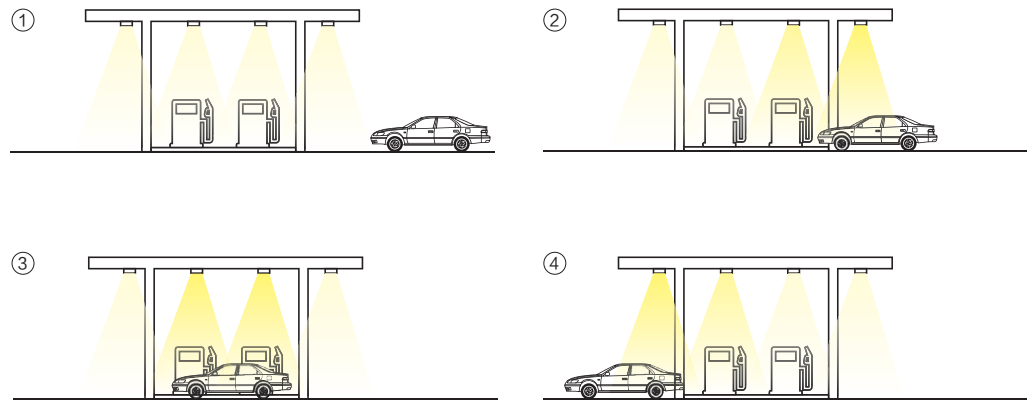


| H(m/ft) | E(lx/ftc) | D(cm/in) |
|---------|-------------|----------|
| 1/3.3 | 6222/578.04 | 210/83 |
| 2/6.6 | 1556/144.56 | 420/165 |
| 3/9.8 | 801/74.42 | 620/244 |
| 4/13.1 | 389/36.14 | 840/331 |
| 5/16.4 | 249/23.13 | 1150/453 |
| 6/19.7 | 173/16.07 | 1260/497 |

| Item No. | Beam Angle |
|-------------|------------|
| PT-1130-111 | 60° |
| PT-1130-112 | 90° |
| PT-1130-113 | 120° |

Motion Sensor

Motion sensor control triggers the luminaire to turn to full brightness when motion is detected, and drops to 30% when none is.



Order Number

| Model No. | Item No. | Certification(s) | CCT | CRI (Ra) | System Watts | Driver | Input Voltage | Dimming | Beam Angle | Diffuser | Housing Color |
|-----------|-------------|------------------|-------|----------|--------------|----------|---------------|---------|------------|-------------|---------------|
| PW-1130 | PT-1130-111 | UL | 5000K | 80 | 130W | Built-in | 100-277V | Yes | 60° | Transparent | White |
| | PT-1130-112 | UL | 5000K | 80 | 130W | Built-in | 100-277V | Yes | 90° | Transparent | White |
| | PT-1130-113 | UL | 5000K | 80 | 130W | Built-in | 100-277V | Yes | 120° | Transparent | White |
| | PT-1130-114 | UL | 3000K | 80 | 130W | Built-in | 100-277V | Yes | 60° | Transparent | White |
| | PT-1130-115 | UL | 3000K | 80 | 130W | Built-in | 100-277V | Yes | 90° | Transparent | White |
| | PT-1130-116 | UL | 3000K | 80 | 130W | Built-in | 100-277V | Yes | 120° | Transparent | White |
| | PT-1130-117 | UL | 5000K | 80 | 130W | Built-in | 100-277V | Yes | 60° | Transparent | White |
| | PT-1130-118 | UL | 5000K | 80 | 130W | Built-in | 100-277V | Yes | 90° | Transparent | White |
| | PT-1130-119 | UL | 5000K | 80 | 130W | Built-in | 100-277V | Yes | 120° | Transparent | White |
| | PT-1130-120 | UL | 3000K | 80 | 130W | Built-in | 100-277V | Yes | 60° | Transparent | White |
| | PT-1130-121 | UL | 3000K | 80 | 130W | Built-in | 100-277V | Yes | 90° | Transparent | White |
| | PT-1130-122 | UL | 3000K | 80 | 130W | Built-in | 100-277V | Yes | 120° | Transparent | White |

DELTA LED STREET LIGHT

Standard:



With **EIS** (Easy Interchange System)



VILLA ARLI 300 m







DELTA LED STREET LIGHT



Excellent Heat Dissipation

The specially designed heat sink does not let dust easily collect, by also allowing more air to flow through it. The air flow also provides for greater heat dissipation, in turn, improving the performance of a long-lasting, durable luminaire.



High Quality Driver

A combination of clever design and high-quality core electrical components, this specially designed driver creates roadway luminaires with long lifetimes and reduces the need for maintenance.



Corrosion Resistance

By adopting dedicated processing treatment on the heat sink and other parts, the luminaire has excellent anti-corrosive and UV-resistance.



High Durability

A robust, protective design gives this luminaire an IP of 65 and the ability to handle harsh environments.



Quality Core Components

Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality COB packages from CITLED – chipsets that have great quality and long life as backed by LM-80 and TM-21 reports. Quality inside the luminaires that shines on the outside.

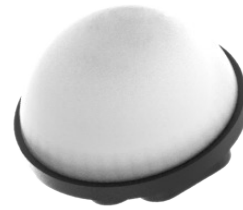


Approved By Recognized National Labs

Approved by recognized national laboratories for UL (USA and Canada) and NOM (Mexico).

DELTA LED STREET LIGHT

Removable Daylight Sensor



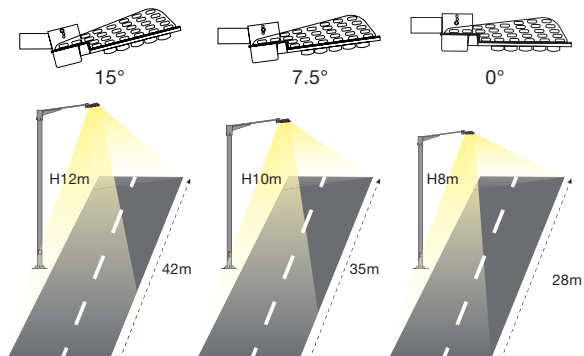
EIS[®] Easy Interchange System

Our patented 'Plug and Use' Removable Power Supply makes maintenance simple and easy. It takes only five minutes or less to replace a driver unit, greatly reducing maintenance costs and truly enhancing the lifetime of the fixture, all at minimum cost to the end user.



Adjustable Angle

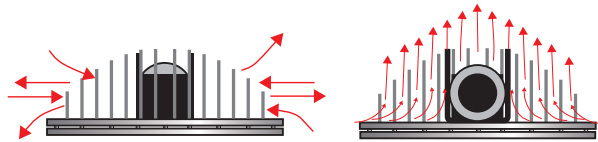
The luminaire's installation angle can be adjusted via the tenon mount. The tenon connector allows for the fixture to be installed at a few different angles to best adjust to the existing tenon and application requirements.





Innovative Heat Sink Design

A heat sink designed with fins to increase total surface area, coupled with channels to allow for multidirectional air flow, greatly enhances the heat dissipation efficiency of the fixture. Additionally, the fins and channels combination allows for dust and water to clean off easily, avoiding accumulation effectively.



Integrated Secondary Optics

Delta Street Lights use integrated secondary lenses to cover the respective LED packages, directing the angle and distribution of the light. Different lenses provide options for different beam angles.

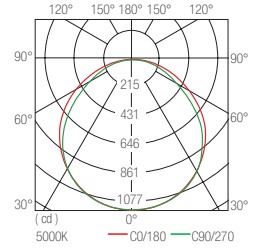
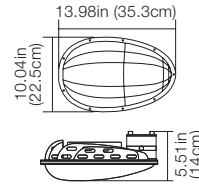


ST-4030

30W 100-277V 3150lm 105lm/W
5000K Ra≥80

IP 65 120°

Material: Aluminum Driver: Built-in
Housing Color: Dark Bronze Power Factor: ≥ 0.9
Weight: 2kg / 4.41lb Lifetime: ≥ 50,000hrs



| Item No. | CCT |
|-------------|-------|
| ST-4030-111 | 3000K |
| ST-4030-112 | 5000K |

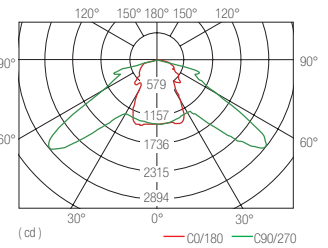
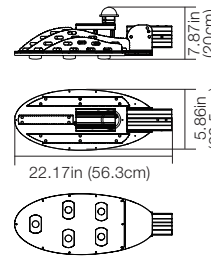


ST-3060A (With EIS^o)

60W 100-277V 5400lm 90lm/W
5000K Ra≥80 Δ 145°(H) × 65°(V)

IP 65 IK 08

Material: Aluminum Driver: Built-in
Housing Color: Dark Bronze Power Factor: ≥ 0.9
Weight: 3.9kg / 8.6lb Lifetime: ≥ 50,000hrs



| Item No. | CCT |
|--------------|-------|
| ST-3060A-113 | 3000K |
| ST-3060A-114 | 5000K |



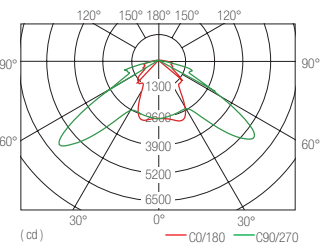
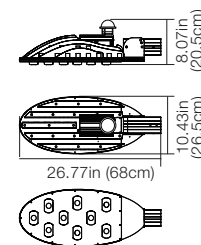
ST-3120A/ST-3090A (With EIS^o)

120W 100-277V 10,800lm 90lm/W
5000K Ra≥80 Δ 145°(H) × 65°(V)

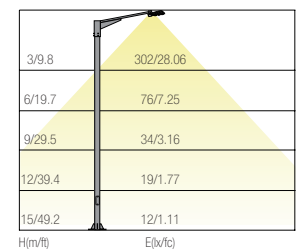
90W 100-277V 8100lm 90lm/W
5000K Ra≥80 Δ 145°(H) × 65°(V)

IP 65 IK 08

Material: Aluminum Driver: Built-in
Housing Color: Dark Bronze Power Factor: ≥ 0.9
Weight: 6.3kg / 13.89lb Lifetime: ≥ 50,000hrs



| Item No. | CCT |
|--------------|-------|
| ST-3090A-113 | 3000K |
| ST-3090A-114 | 5000K |
| ST-3120A-113 | 3000K |
| ST-3120A-114 | 5000K |





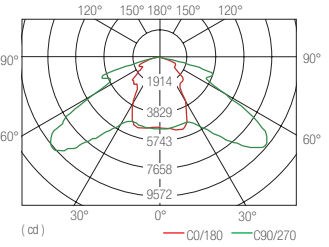
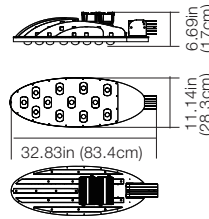
ST-3200A

200W 100-277V 18,000lm 90lm/W
5000K Ra≥80 ∠145°(H) × 65°(V)

IP 65 IK 08

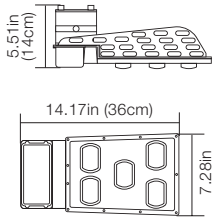


Material: Aluminum Driver: Built-in
Housing Color: Dark Bronze Power Factor: ≥ 0.9
Weight: 9.7kg / 21.38lb Lifetime: ≥ 50,000hrs



| Item No. | CCT |
|--------------|-------|
| ST-3200A-113 | 3000K |
| ST-3200A-114 | 5000K |

Standard: ST-2060



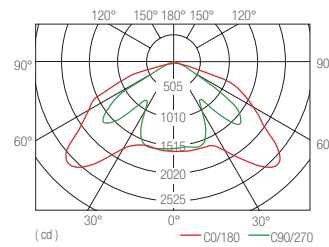
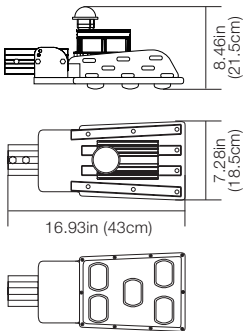
ST-2060 / ST-2060A

60W 100-277V 5340lm 90lm/W
5000K Ra≥80 ∠145°(H) × 65°(V)

IP 65 IK 08

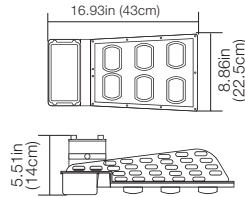
Material: Aluminum Driver: Built-in
Housing Color: Dark Bronze Power Factor: ≥ 0.9
Weight: 2.8kg / 6.17lb (ST-2060) Lifetime: ≥ 50,000hrs
3.9kg / 8.6lb (ST-2060A)

With EIS^o: ST-2060A



| Item No. | CCT |
|--------------|-------|
| ST-2060-114 | 3000K |
| ST-2060-115 | 5000K |
| ST-2060A-113 | 3000K |
| ST-2060A-114 | 5000K |

Standard: ST-2120



ST-2120 / ST-2120A

120W 100-277V 11,040lm 92lm/W
5000K Ra≥80 ∠145°(H) × 65°(V)

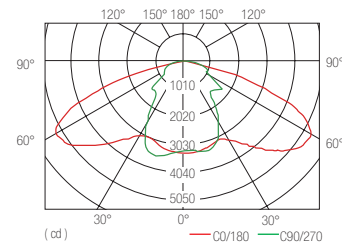
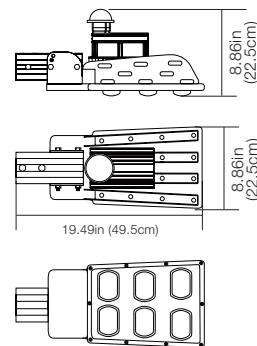
| | | |
|----------|----------|--|
| IP 65 | IK 08 | Temperature Range -25°C ~ +45°C -13°F ~ +113°F |
|----------|----------|--|



Material: Aluminum
Housing Color: Dark Bronze
Weight: 4kg / 8.82lb (ST-2120)
5.2kg / 11.46lb (ST-2120A)

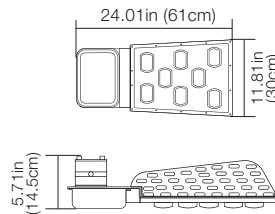
Driver: Built-in
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

With EIS^o: ST-2120A



| Item No. | CCT |
|--------------|-------|
| ST-2120-114 | 3000K |
| ST-2120-115 | 5000K |
| ST-2120A-113 | 3000K |
| ST-2120A-114 | 5000K |

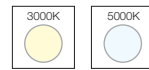
Standard: ST-2200



ST-2200 / ST-2200A

200W 100-277V 17,200lm 86lm/W
5000K Ra≥80 ∠145°(H) × 65°(V)

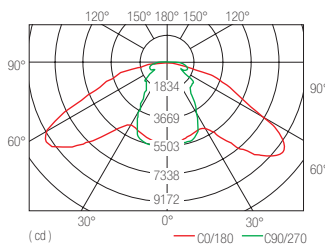
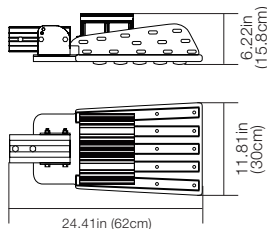
| | | |
|----------|----------|--|
| IP 65 | IK 08 | Temperature Range -25°C ~ +45°C -13°F ~ +113°F |
|----------|----------|--|



Material: Aluminum
Housing Color: Dark Bronze
Weight: 7kg / 15.43lb (ST-2200)
8.1kg / 11.86lb (ST-2200A)

Driver: Built-in
Power Factor: ≥ 0.9
Lifetime: ≥ 50,000hrs

With EIS^o: ST-2200A



| Item No. | CCT |
|--------------|-------|
| ST-2200-114 | 3000K |
| ST-2200-115 | 5000K |
| ST-2200A-113 | 3000K |
| ST-2200A-114 | 5000K |



DELTA LED SOLAR LUMINAIRE

Solar LED Street Luminaire



20W



30W



48W



80W

Integrated Solar LED Luminaire



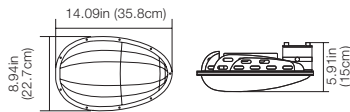
4W



10W







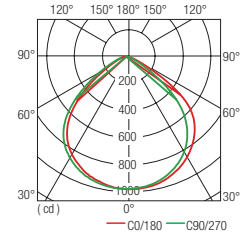
SR-1020

20W 6000K Ra≥80

| | | | |
|----------|----------|-------|-----------------------------|
| IP 65 | IK 09 | 120° | -25°C~+45°C -13°F~+113°F |
| 3000K | 4000K | 6000K | |

Material: Aluminum
 Lighting Duration: 30hrs*1
 Time to Full Charge: 6hrs*2
 Luminaire Weight: 2.58kg / 5.69lb
 Solar Panel Weight: 3.5kg / 7.72lb
 Battery Position: Built-in, on luminaire

Note:
 *1 The duration refers to the time the luminaire could work continuously with a fully charged battery.
 *2 The time refers to the amount of time in which the battery could become fully charged under effective illumination of the solar panel.



| | | |
|---------|------------------------|----------|
| 2/6.6 | 246/22.85 | 472/186 |
| 4/13.1 | 62/5.76 | 944/372 |
| 6/19.7 | 27/2.51 | 1416/557 |
| 8/26.2 | 15/1.39 | 1887/743 |
| 10/32.8 | 10/0.93 | 2359/929 |
| H(ft) | E(lv/ft ²) | D(cm/ft) |

| Item No. | CCT |
|-------------|-------|
| SR-1020-111 | 6000K |
| SR-1020-112 | 4000K |

Accessory: Solar Panel

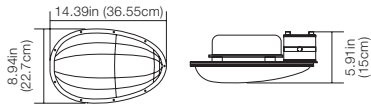


Battery Specifications

| | |
|-----------------------------------|---|
| Nominal Capacity | 10000mAh |
| Battery Cell | Lithium battery |
| Battery Life | 3yrs |
| Cycle Life | 1000 times |
| Maximum Charge/ Discharge Current | 5000mA |
| Standard Discharge Current | 1400mA |
| Nominal Voltage | 14.8V |
| Max Charge Voltage | 16.8V |
| Discharge Cut-off Voltage | 12.0V |
| Overcharge Detection Voltage | 4.25V±0.025V |
| Overdischarge Detection Voltage | 2.5V±0.1V |
| Overdischarge Detection Current | 7A~15A |
| Storage Temperature | -10°C ~ +45°C (Less than a month) |
| | -10°C ~ +35°C (Less than six months) |

Solar Panel Specifications

| | |
|-----------------------------|---|
| Maximum Power (Pmax) | 40Wp |
| Maximum Power Voltage (Vmp) | 18V |
| Maximum Power Current (Imp) | 2.23A |
| Open-Circuit Voltage (Voc) | 22V |
| Short-Circuit Current (Isc) | 2.46A |
| System Voltage | 1000V |
| Tolerance | ±3% |
| Solar Cell | 36 |
| Number of Cells | 4x9 |
| Dimension | 25.24x21.42x0.98in (64.1x54.4x2.5cm) |
| Frame | Aluminum alloy |
| Surface Glass | 3.2mm, Super White Tempered Glass |



SR-1030

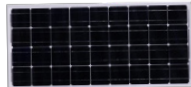
30W 6000K Ra≥80

| | | | |
|----------|----------|---------|-----------------------------|
| IP 65 | IK 09 | 120°(H) | -25°C~+45°C -13°F~+113°F |
| 3000K | 4000K | 6000K | |

Material: Aluminum
 Lighting Duration: 30hrs*1
 Time to Full Charge: 6hrs*2
 Luminaire Weight: 2.59kg / 5.71lb
 Solar Panel Weight: 4.7kg / 10.36lb
 Battery Position: Built-in, on luminaire

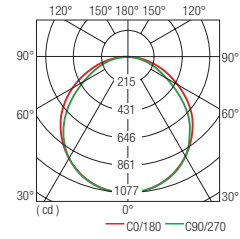
Note:
 *1 The duration refers to the time the luminaire could work continuously with a fully charged battery.
 *2 The time refers to the amount of time in which the battery could become fully charged under effective illumination of the solar panel.

Accessory: Solar Panel



Battery Specifications

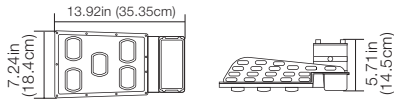
| | |
|-----------------------------------|---|
| Nominal Capacity | 15000mAh |
| Battery Cell | Lithium battery |
| Battery Life | 3yrs |
| Cycle Life | 1000 times |
| Maximum Charge/ Discharge Current | 5000mA |
| Standard Discharge Current | 2000mA |
| Nominal Voltage | 14.8V |
| Max Charge Voltage | 16.8V |
| Discharge Cut-off Voltage | 12.0V |
| Overcharge Detection Voltage | 4.25V±0.025V |
| Overdischarge Detection Voltage | 2.5V±0.1V |
| Overdischarge Detection Current | 7A~15A |
| Storage Temperature | -10°C ~ +45°C (Less than a month) |
| | -10°C ~ +35°C (Less than six months) |



| Item No. | CCT |
|-------------|-------|
| SR-1030-111 | 6000K |
| SR-1030-112 | 4000K |

Solar Panel Specifications

| | |
|-----------------------------|--|
| Maximum Power (Pmax) | 60Wp |
| Maximum Power Voltage (Vmp) | 18V |
| Maximum Power Current (Imp) | 3.33A |
| Open-Circuit Voltage (Voc) | 21.4V |
| Short-Circuit Current (Isc) | 3.78A |
| System Voltage | 1000V |
| Tolerance | 3± |
| Solar Cell | Mono125×78mm |
| Number of Cells | 36 (4×9) |
| Dimension | 30.12×21.65×1.38in (76.5×55×3.5cm) |
| Frame | Aluminum alloy |
| Surface Glass | 3.2mm, High Transmittance, Low Iron, Tempered Glass |



SR-1048

48W 6000K Ra≥80

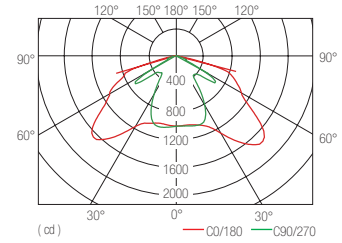
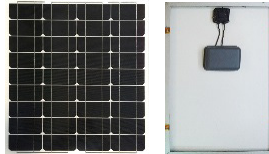
145°(H)×65°(V)

| | | |
|----------|----------|--|
| IP 65 | IK 09 | Temperature -25°C~+45°C -13°F~+113°F |
| 3000K | 4000K | 6000K |

Luminaire Material: Aluminum
 Lighting Duration: 26hrs*1
 Time to Full Charge: 9hrs*2
 Luminaire Weight: 2.5kg / 5.51lb
 Solar Panel + Battery Weight: 11kg / 24.25lb
 Battery Position: Built-in, on panel

Note:
 *1 The duration refers to the time the luminaire could work continuously with a fully charged battery.
 *2 The time refers to the amount of time in which the battery could become fully charged under effective illumination of the solar panel.

Accessory: Solar Panel



| | | |
|---------|-----------|-----------|
| 2/6.6 | 264/24.53 | 658/259 |
| 4/13.1 | 66/6.13 | 1316/518 |
| 6/19.7 | 30/3.34 | 1974/777 |
| 8/16.2 | 16/1.49 | 2632/1036 |
| 10/32.8 | 10/0.93 | 3290/1295 |
| H(m/ft) | E(lx/c) | D(cm/in) |

| Item No. | CCT |
|-------------|-------|
| SR-1040-111 | 5000K |

Battery Specifications

| | |
|-----------------------------------|---|
| Nominal Capacity | 14.8V 30Ah |
| Battery Cell | Lithium battery |
| Battery Life | 3yrs |
| Cycle Life | 1000 times |
| Maximum Charge/ Discharge Current | 8000mA |
| Standard Discharge Current | 2700mA |
| Nominal Voltage | 14.8V |
| Max Charge Voltage | 16.8V |
| Discharge Cut-off Voltage | 12.0V |
| Overcharge Detection Voltage | 4.25V±0.025V |
| Overdischarge Detection Voltage | 2.5V±0.1V |
| Overdischarge Detection Current | 7A~15A |
| Storage Temperature | -10°C ~ +45°C (Less than a month) |
| | -10°C ~ +35°C (Less than six months) |

Solar Panel Specifications

| | |
|-----------------------------|--|
| Maximum Power (Pmax) | 90Wp |
| Maximum Power Voltage (Vmp) | 18V |
| Maximum Power Current (Imp) | 5.02A |
| Open-Circuit Voltage (Voc) | 22V |
| Short-Circuit Current (Isc) | 5.53A |
| System Voltage | 1000V |
| Tolerance | ±3% |
| Solar Cell | Mono(156x156) |
| Number of Cells | 36 (125x125) |
| Dimension | 47.09x21.42x1.18in (119.6x54.4x3cm) |
| Frame | Aluminum alloy |



SR-1080

80W 6000K Ra≥80
 △ 145°(H)×65°(V)

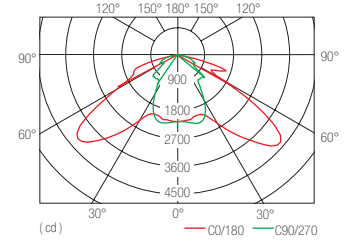
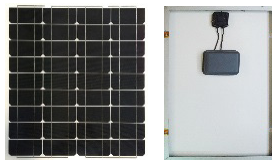
| | | |
|----------|----------|-------------------------------------|
| IP 65 | IK 09 | Temp -25°C~+45°C -13°F~+113°F |
|----------|----------|-------------------------------------|

| | | |
|-------|-------|-------|
| 3000K | 4000K | 6000K |
|-------|-------|-------|

Luminaire Material: Aluminum
 Lighting Duration: 32hrs*1
 Time to Full Charge: 8hrs*2
 Luminaire Weight: 4kg / 8.82lb
 Solar Panel + Battery Weight: 17.2kg / 37.91lb
 Battery Position: Built-in, on panel

Note:
 *1 The duration refers to the time the luminaire could work continuously with a fully charged battery.
 *2 The time refers to the amount of time in which the battery could become fully charged under effective illumination of the solar panel.

Accessory: Solar Panel



| | | |
|---------|-----------|----------|
| 2/6.6 | 542/50.35 | 368/145 |
| 4/13.1 | 136/12.63 | 736/290 |
| 6/19.7 | 60/5.57 | 1105/435 |
| 8/16.2 | 34/3.16 | 1473/580 |
| 10/32.8 | 22/2.04 | 1841/725 |
| H(m/ft) | E(lx/c) | D(cm/in) |

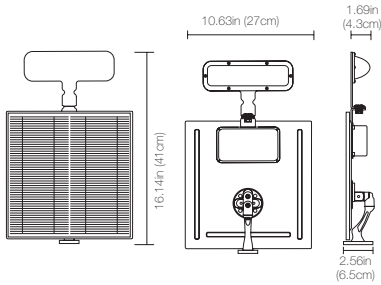
| Item No. | CCT |
|-------------|-------|
| SR-1080-111 | 5000K |

Battery Specifications

| | |
|-----------------------------------|---|
| Nominal Capacity | 14.8V 30Ahx2 |
| Battery Cell | Lithium battery |
| Battery Life | 3yrs |
| Cycle Life | 1000 times |
| Maximum Charge/ Discharge Current | 8A |
| Standard Discharge Current | 5A |
| Nominal Voltage | 14.8V |
| Max Charge Voltage | 16.8V |
| Discharge Cut-off Voltage | 12.0V |
| Overcharge Detection Voltage | 4.25V±0.025V |
| Overdischarge Detection Voltage | 2.5V±0.1V |
| Overdischarge Detection Current | 7A~15A |
| Storage Temperature | -10°C ~ +45°C (Less than a month) |
| | -10°C ~ +35°C (Less than six months) |

Solar Panel Specifications

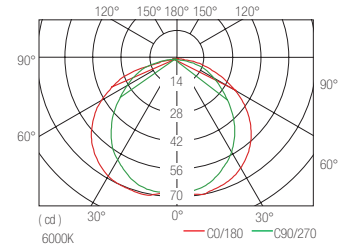
| | |
|-----------------------------|--------------------------------------|
| Maximum Power (Pmax) | 150Wp |
| Maximum Power Voltage (Vmp) | 18V |
| Maximum Power Current (Imp) | 8.34A |
| Open-Circuit Voltage (Voc) | 22V |
| Short-Circuit Current (Isc) | 9.18A |
| System Voltage | 1000V |
| Tolerance | ±3% |
| Solar Cell | Mono(156x156) |
| Number of Cells | 36 (4x9) |
| Dimension | 58.27x26.38x3.82in (148x67x9.7cm) |
| Frame | Aluminum alloy |



SR-1004

4W 6000K Ra≥80

| | | | |
|----------|----------|-------|-----------------------------------|
| IP 65 | IK 09 | 120° | -42°C ~ +50°C -43.6°F ~ +122°F |
| 3000K | 4000K | 6000K | |



Lighting Duration: 15hrs*1
 Time to Full Charge: 7hrs*2
 Battery: 7.4V 5Ah
 Solar Panel: 10W
 Luminaire Material: Aluminum
 Weight: 1.65kg / 3.64lb

Note:
 *1 The duration refers to the time the luminaire could work continuously with a fully charged battery.
 *2 The time refers to the amount of time in which the battery could become fully charged under effective illumination of the solar panel.

| | | |
|---------|-----------|----------|
| 6000K | | |
| 1/3.3 | 65/6.04 | 274/108 |
| 2/6.6 | 16/1.49 | 547/215 |
| 3/9.8 | 7/0.65 | 821/323 |
| 4/13.1 | 4/0.37 | 1195/470 |
| 5/16.4 | 3/0.28 | 1369/539 |
| H(m/ft) | E(lx/ftc) | D(cm/in) |

Battery Specifications

| | |
|-----------------------------------|---|
| Nominal Capacity | 5000mAh |
| Cycle Life | 1000 times |
| Maximum Charge/ Discharge Current | 2500mA |
| Standard Discharge Current | 540mA |
| Nominal Voltage | 7.4V |
| Max Charge Voltage | 8.4V |
| Discharge Cut-off Voltage | 6.0V |
| Overcharge Detection Voltage | 4.25V±0.05V |
| Overdischarge Detection Voltage | 3.0V±0.05V |
| Storage Temperature | -10°C ~ +45°C (Less than a month) |
| | -10°C ~ +35°C (Less than six months) |

| Item No. | CCT |
|-------------|-------|
| SR-1004-111 | 6000K |
| SR-1004-112 | 4000K |
| SR-1004-113 | 3000K |



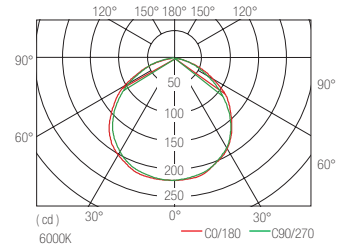
SR-1010

10W 6000K Ra≥80

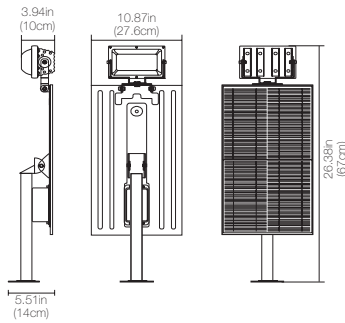
| | | | |
|----------|----------|-------|-----------------------------------|
| IP 65 | IK 09 | 120° | -42°C ~ +50°C -43.6°F ~ +122°F |
| 3000K | 4000K | 6000K | |

Lighting Duration: 17hrs*1
 Time to Full Charge: 7~8hrs*2
 Battery: 7.4V 15Ah
 Solar Panel: 20W
 Luminaire Material: Aluminum
 Weight: 4.7kg / 10.36lb

Note:
 *1 The duration refers to the time the luminaire could work continuously with a fully charged battery.
 *2 The time refers to the amount of time in which the battery could become fully charged under effective illumination of the solar panel.



| 6000K | | |
|---------|-----------|----------|
| 1/3.3 | 213/19.79 | 284/112 |
| 2/6.6 | 53/4.92 | 567/223 |
| 3/9.8 | 24/2.23 | 851/335 |
| 4/13.1 | 13/1.21 | 1134/446 |
| 5/16.4 | 9/0.84 | 1418/558 |
| H(m/ft) | E(lx/ftc) | D(cm/in) |



Battery Specifications

| | |
|-----------------------------------|--|
| Nominal Capacity | 15000mAh |
| Cycle Life | 1000 times |
| Maximum Charge/ Discharge Current | 7500mA |
| Standard Discharge Current | 1350mA |
| Nominal Voltage | 7.4V |
| Max Charge Voltage | 8.4V |
| Discharge Cut-off Voltage | 6.0V |
| Overcharge Detection Voltage | 4.25V±0.05V |
| Overdischarge Detection Voltage | 3.0V±0.05V |
| Storage Temperature | -10°C ~ +45°C (Less than a month) |
| | -10°C ~ +35°C (Less than six month) |

| Item No. | CCT |
|--------------------|--------------|
| SR-1010-111 | 6000K |
| SR-1010-112 | 4000K |
| SR-1010-113 | 3000K |

LED PANEL

DELTA LED Panel Light



40W



80W





DELTA LED PANEL



Quality Core Components

Excellent luminaire design to the core: starting with the LED packages themselves. These luminaires only use high quality SMD packages -- chipsets that have great quality and long life as backed by LM-80 reports.



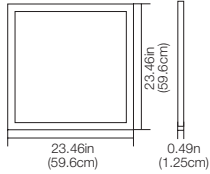
Desirable CRI (Ra)

With a CRI (Ra) of 80, SONARAY's Panel Light brings out the colors you want, from your office desk to the conference room and everywhere in between.



Energy Saving

The combination of high-efficacy LED components with excellent whole system design has SONARAY LED lighting achieving energy savings of 60% compared with traditional lighting sources.



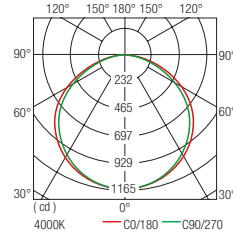
MB-2040A

40W 100-277V 3200lm 80lm/W
4000K Ra≥85

IP 20 120° -25°C~+40°C
-13°F~+104°F

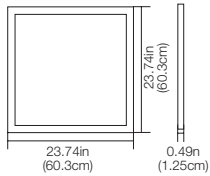


Material: Aluminum+PC
Driver: External
Power Factor: ≥ 0.9
Weight: 3.7kg / 8.16lb
Lifetime: ≥ 50,000hrs



| | | | |
|-------|-------------|--|-------------------|
| 4000K | 1162/107.95 | | 309/122 |
| 1/3.3 | 290/26.94 | | 629/248 |
| 2/6.6 | 129/11.98 | | 929/366 |
| 3/9.8 | H(m/ft) | | E(lx/fc) D(cm/in) |

| Item No. | CCT |
|--------------|-------|
| MB-2040A-111 | 4000K |



MB-2040AL

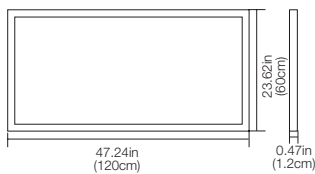
40W 100-277V 3200lm 80lm/W
4000K Ra≥85

IP 20 120° -25°C~+40°C
-13°F~+104°F



Material: Aluminum+PC
Driver: External
Power Factor: ≥ 0.9
Weight: 3kg / 6.61lb
Lifetime: ≥ 50,000hrs

| Item No. | Dimming | CCT |
|---------------|---------|-------|
| MB-2040AL-111 | No | 4000K |
| MB-2040AL-211 | Yes | 4000K |



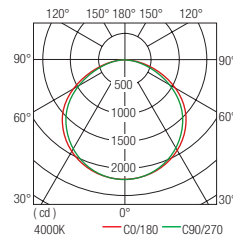
MB-2080C

80W 100-277V 6400lm 80lm/W
4000K Ra≥85

IP 20 120° -25°C~+40°C
-13°F~+104°F



Material: Aluminum+PC
Driver: External
Power Factor: ≥ 0.9
Weight: 7.4kg / 16.31lb
Lifetime: ≥ 50,000hrs



| | | | |
|--------|-------------|--|-------------------|
| 4000K | 1278/118.73 | | 294/116 |
| 1/3.3 | 319/29.64 | | 587/231 |
| 2/6.6 | 142/13.19 | | 881/347 |
| 3/9.8 | 80/7.43 | | 1175/463 |
| 4/13.1 | 51/4.74 | | 1469/578 |
| 5/16.4 | 35/3.25 | | 1762/694 |
| 6/19.7 | H(m/ft) | | E(lx/fc) D(cm/in) |

| Item No. | CCT |
|--------------|-------|
| MB-2080C-112 | 4000K |

DASCOM

ABOUT US

DASCOM Holdings maintains as a core company value that successful businesses have an ethical obligation to give back to the community. One way DASCOM does this is by investing back into its technology. This investment in turn works to improve the general economic infrastructure of the surrounding economy by contributing to additional employment, raising the overall living standard of the general public, and enhancing the capability of surrounding businesses and public organizations.

DASCOM Holdings has many important strategic partnerships with other leading businesses as well. One such long-standing close relationship is with Citizen Electronics Company, Ltd., a Japan based company whose global footprint and reach is well known. One of Citizen's divisions has extensive experience in the development of high quality, high efficacy LED chip sets. Citizen's expertise, coupled with the DASCOM relationship and DASCOM's decades of experience in worldwide sales, service and electromechanical research and development proficiency, helped give birth to SONARAY.

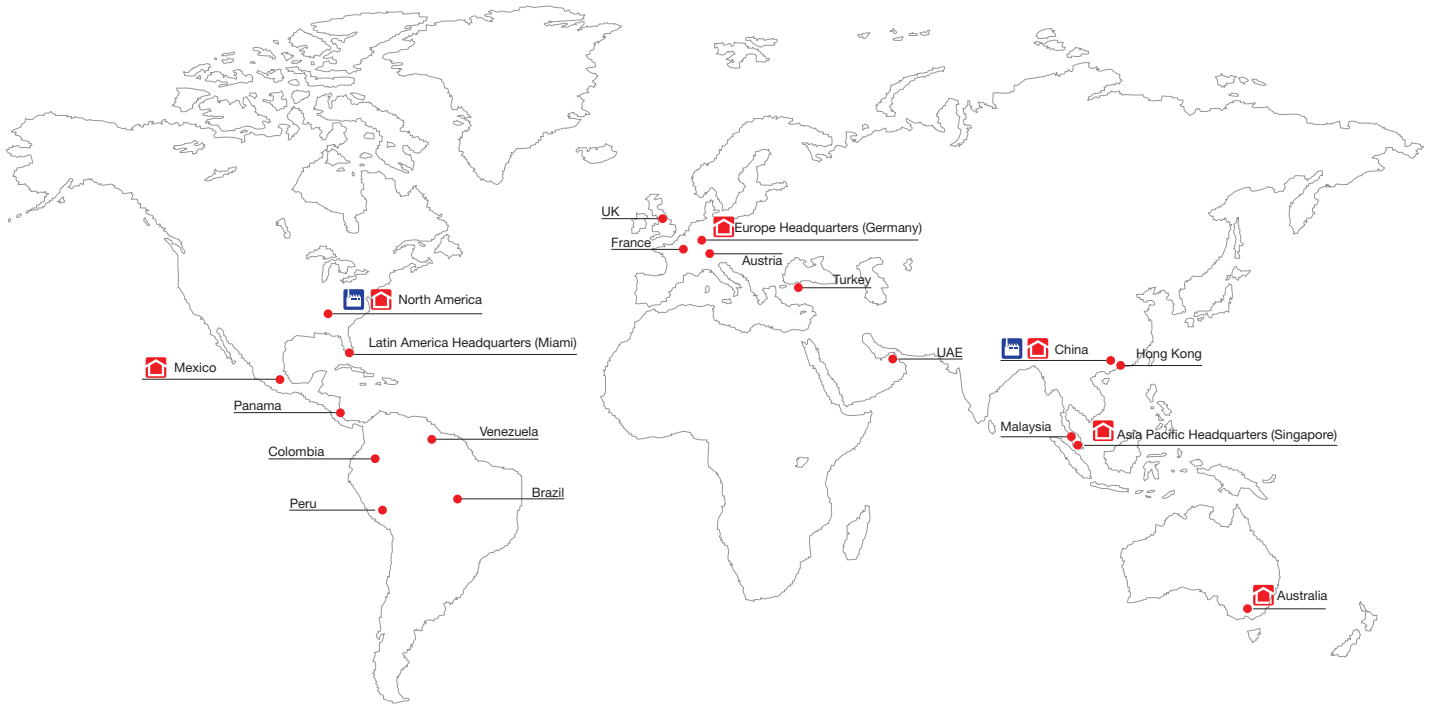
Originally begun as DASCOM Lighting in 2008, this business unit was later branded SONARAY LED Lighting, a combination of the Spanish word "soñar," which means "to dream," and the English word "ray," which means a "narrow beam of light." SONARAY is a name that is meant to inspire dreams of a cleaner and greener world, better clarity of light, and enhanced energy savings for businesses. In order to bring those dreams to fruition, the staff at DASCOM maintains an acute focus on quality, forward thinking, ingenuity, and creativity.

SONARAY is dedicated exclusively to the development and production of the highest quality LED luminaires. Our vision and concentrated effort means that we continually monitor and improve our products. At SONARAY we never settle for "just good enough" but seek to excel far beyond regulatory and customer desired performance requirements. Our products are recognized around the world and we drive to a standard that we set for ourselves – to be a leader who never looks back, but maintains a vision for a more sustainable planet by changing the world of tomorrow with our actions each and every day.



SONARAY LED

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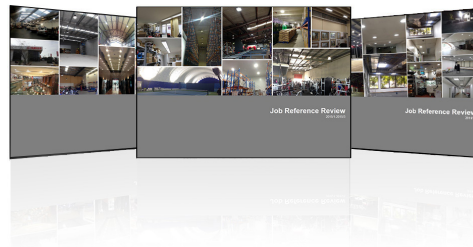
Catalogue



Data Sheets



Brochures



Case Studies
