



ASCENT

ARCHITECTURAL LIGHTING

PROJECT

DATE

COMMENTS



IN STOCK



ENERGY CHART

| SIZE | Width x Length inches | Height inches | DELIVERED LUMENS | WATTAGE | EFFICACY lm/w |
|------|--------------------------|------------------|------------------|---------|------------------|
| 22 | 23.74 x 23.74 | 1.97" | 1950 - 5000 | 15 - 40 | 125 - 130 |
| 24 | 23.74 x 47.72 | 2.46" | 3250 - 6250 | 25 - 50 | 125 - 130 |

ORDERING LOGIC

| FAMILY | SIZE | OPTIONS |
|--------|--------|-------------------------|
| CREST | | |
| | 22 2X2 | EM 8W Emergency Battery |
| | 24 2X4 | |

CREST CENTER BASKET TROFFER LED

CREST is a versatile center-basket LED troffer that delivers uniform, glare-free illumination with selectable wattages and five adjustable color temperatures (3500K–6500K). Featuring a sleek, low-profile design and back-lit frosted polycarbonate lens, it offers up to 6,500 lumens at an impressive 125 LPW. CREST is manufactured with a single stamping process producing corners and sides that are turned in and hemmed which removes sharp edges for safer installation. Compatible with standard t-grid ceilings and 0–10V dimming systems, CREST is ideal for schools, offices, and healthcare settings. DLC Premium listed and backed by a 5-year warranty, it's engineered for performance, efficiency, and flexibility.

PHYSICAL

| | |
|---------------|---|
| Material | Aluminum & Steel |
| Lens Material | Frosted Polycarbonate |
| Mounting | Recessed T-Grid Compatible with 9/16" Flat, 9/16" Slot, 9/16" Interlude and 15/16" Flat |
| Finish | White |

PERFORMANCE

| | |
|-----------------------|---|
| Warranty | 5 years |
| Certifications | cETLus, Damp Location, DLC Premium |
| Rated Life | L89 > 50,000 hours |
| Operating Temperature | -20°C - 40°C (-4 - 113°F) |
| CCT | Field Selectable: 3500K, 4000K, 5000K, 5700K, 6500K |
| CRI | 80CRI |

ELECTRICAL

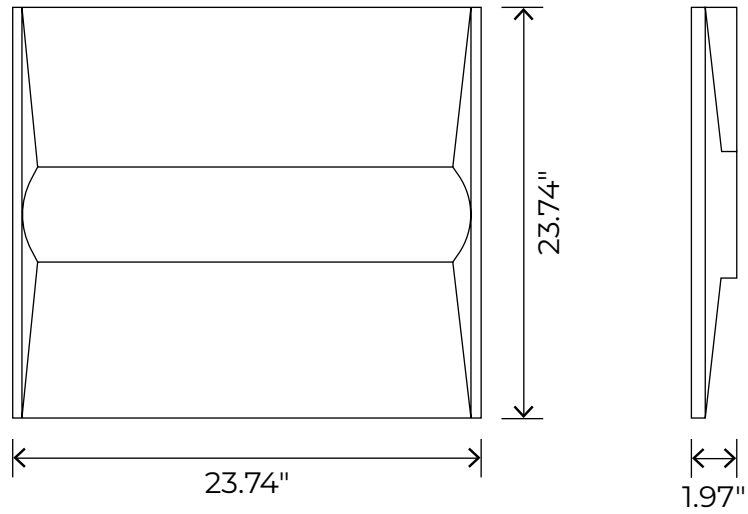
| | |
|--------------|--|
| Wattage | Field Selectable 2x2: 15W, 20W, 25W, 30W, 40W 2x4: 25W, 30W, 35W, 40W, 50W |
| Voltage | 110-277V |
| Power Factor | > 0.9 |
| Dimmable | 10-100% 0-10V |
| THD | < 20% |

EX: CREST-22-EM

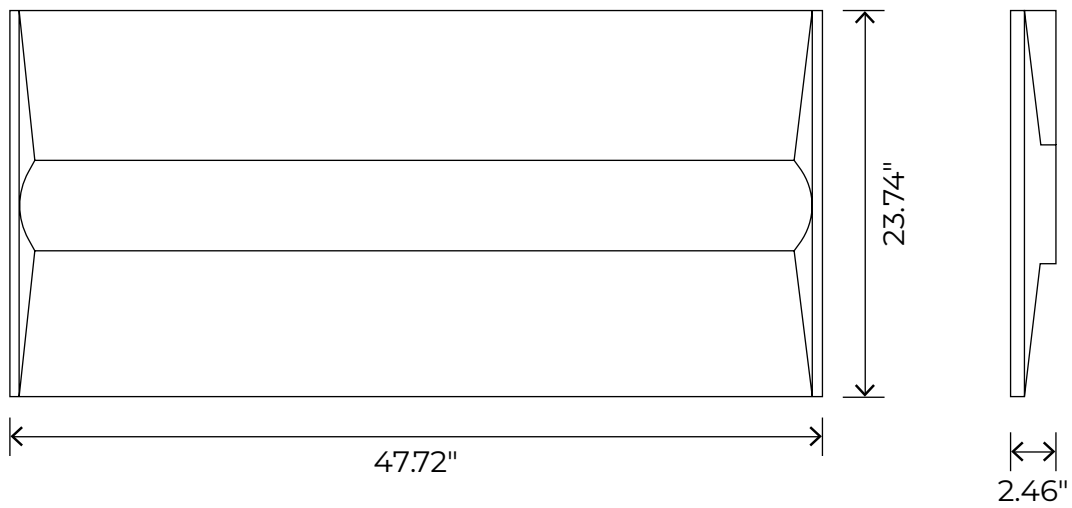


DIMENSIONS

2 x 2 ft" Product



2 x 4 ft" Product





ASCENT

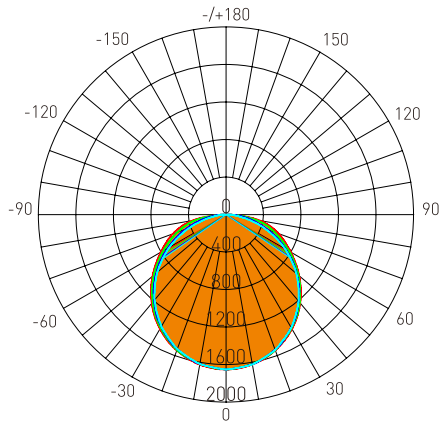
ARCHITECTURAL LIGHTING

CREST CENTER BASKET TROFFER LED

DISTRIBUTION DIAGRAM

2 x 2 ft" Product

2'x2' / 3500K



AVERAGE BEAM ANGLE(50%): 114.2°

Lumens: 4902.7 Lm
Watts: 40W
LPW: 115.97Lm/W
CCT: 3500K

UNIT: cd
— C0/180, 117.7°
— C30/210, 115.6°
— C60/240, 112.5°
— C90/270, 111.0°

Zonal Flux Diagram

| τ | C0 | C45 | C90 | C135 | C180 |
|-----|-----------------------|-------|-------|-------|-------|
| 5 | 1645 | 1638 | 1637 | 1638 | 1645 |
| 10 | 1623 | 1617 | 1623 | 1618 | 1624 |
| 15 | 1589 | 1585 | 1579 | 1587 | 1589 |
| 20 | 1540 | 1531 | 1535 | 1533 | 1541 |
| 25 | 1480 | 1471 | 1463 | 1473 | 1842 |
| 30 | 1408 | 1396 | 1392 | 1399 | 1410 |
| 35 | 1324 | 1309 | 1299 | 1313 | 1327 |
| 40 | 1231 | 1216 | 1205 | 1222 | 1234 |
| 45 | 1128 | 1108 | 1092 | 1113 | 1133 |
| 50 | 1019 | 1000 | 979.1 | 1004 | 1025 |
| 55 | 906.7 | 876.2 | 850.4 | 883.3 | 914.2 |
| 60 | 798.5 | 754.3 | 721.6 | 764.0 | 805.9 |
| 65 | 695.8 | 630.3 | 581.8 | 639.9 | 704.9 |
| 70 | 599.6 | 512.4 | 441.9 | 522.5 | 606.7 |
| 75 | 493.7 | 400.5 | 305.0 | 411.6 | 496.9 |
| 80 | 366.6 | 281.9 | 168.1 | 291.5 | 365.8 |
| 85 | 162.4 | 150.6 | 86.45 | 156.5 | 147.8 |
| 90 | 3.171 | 4.785 | 4.763 | 4.609 | 4.411 |
| DEG | LUMINOUS INTENSITY:cd | | | | |

Zonal Lumens

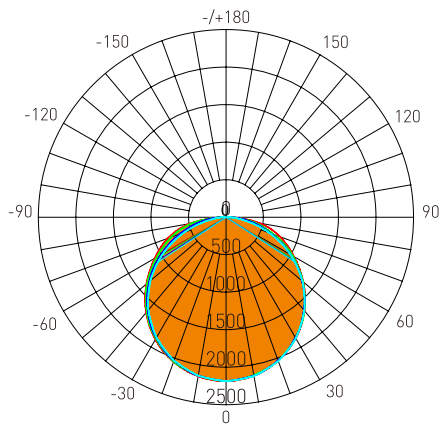
| τ | φ total |
|----------|---------|
| 0-5 | 39.29 |
| 5-10 | 155.7 |
| 10-15 | 345.5 |
| 15-20 | 601.9 |
| 20-25 | 916.4 |
| 25-30 | 1278 |
| 30-35 | 1676 |
| 35-40 | 2096 |
| 40-45 | 2525 |
| 45-50 | 2949 |
| 50-55 | 3355 |
| 55-60 | 3731 |
| 60-65 | 4067 |
| 65-70 | 4356 |
| 70-75 | 4592 |
| 75-80 | 4767 |
| 80-85 | 4871 |
| 85-90 | 4903 |
| UNIT: lm | |

Luminance cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85 | 5176 | 2755 |
| 80 | 5864 | 2690 |
| 75 | 5298 | 3274 |
| 70 | 4870 | 3589 |
| 65 | 4574 | 3824 |
| 60 | 4436 | 4009 |
| 55 | 4391 | 4118 |
| 50 | 4406 | 4231 |
| 45 | 4433 | 4289 |

2 x 4 ft" Product

2'x4' / 3500K



AVERAGE BEAM ANGLE(50%): 115.9°

Lumens: 6581.2 Lm
Watts: 50W
LPW: 129.41Lm/W
CCT: 3500K

UNIT: cd
— C0/180, 118.6°
— C30/210, 117.1°
— C60/240, 114.6°
— C90/270, 113.5°

Zonal Flux Diagram

| τ | C0 | C45 | C90 | C135 | C180 |
|-----|-----------------------|-------|-------|-------|-------|
| 5 | 2173 | 2166 | 2167 | 2169 | 2177 |
| 10 | 2144 | 2138 | 2149 | 2145 | 2152 |
| 15 | 2099 | 2097 | 2095 | 2107 | 2109 |
| 20 | 2035 | 2027 | 2040 | 2050 | 2034 |
| 25 | 1956 | 1951 | 1951 | 1966 | 1975 |
| 30 | 1861 | 1855 | 1862 | 1872 | 1884 |
| 35 | 1751 | 1742 | 1743 | 1764 | 1778 |
| 40 | 1627 | 1621 | 1624 | 1647 | 1659 |
| 45 | 1490 | 1479 | 1477 | 1506 | 1527 |
| 50 | 1345 | 1336 | 1330 | 1365 | 1386 |
| 55 | 1193 | 1171 | 1160 | 1206 | 1240 |
| 60 | 1046 | 1008 | 989.1 | 1048 | 1098 |
| 65 | 904.9 | 840.3 | 800.4 | 882.4 | 964.3 |
| 70 | 768.6 | 681.2 | 611.7 | 717.3 | 828.8 |
| 75 | 622.9 | 530.3 | 424.2 | 550.3 | 671.1 |
| 80 | 455.1 | 367.7 | 236.8 | 383.9 | 488.2 |
| 85 | 210.5 | 191.2 | 122.6 | 204.4 | 210.7 |
| 90 | 4.488 | 6.035 | 8.465 | 6.436 | 5.743 |
| DEG | LUMINOUS INTENSITY:cd | | | | |

Zonal Lumens

| τ | φ total |
|----------|---------|
| 0-5 | 51.98 |
| 5-10 | 206.1 |
| 10-15 | 457.6 |
| 15-20 | 797.9 |
| 20-25 | 1216 |
| 25-30 | 1699 |
| 30-35 | 2231 |
| 35-40 | 2794 |
| 40-45 | 3371 |
| 45-50 | 3943 |
| 50-55 | 4493 |
| 55-60 | 5002 |
| 60-65 | 5459 |
| 65-70 | 5848 |
| 70-75 | 6161 |
| 75-80 | 6393 |
| 80-85 | 6535 |
| 85-90 | 6581 |
| UNIT: lm | |

Luminance cd/(m2)

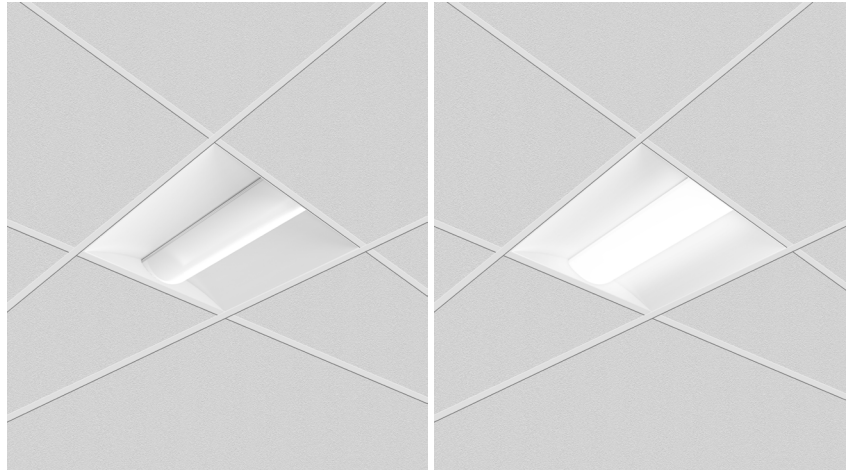
| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85 | 3354 | 1954 |
| 80 | 3640 | 1894 |
| 75 | 3343 | 2277 |
| 70 | 3121 | 2484 |
| 65 | 2974 | 2630 |
| 60 | 2906 | 2748 |
| 55 | 2890 | 2808 |
| 50 | 2906 | 2874 |
| 45 | 2927 | 2901 |





ADDITIONAL IMAGERY

2 x 2 ft" Product



2 x 4 ft" Product

