

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

This beveled trim cylinder lighting fixture is perfect for commercial applications. It integrates LED drivers with over 80% efficiency, reducing both energy loss and heat output for a sustainable lighting solution. The fixture's versatile design includes tool-free interchangeable beam spreads, allowing easy adaptation to different lighting requirements. Available in both pendant and surface mount configurations, the modular design incorporates high-performance COB LED chips for superior heat dissipation.

FEATURES

Construction: Durable die-cast aluminum with a powder-coated polyester finish

Wattage: 50/75/100% selectable switch

Driver: 0-10V dims 10%

Emergency Battery: External 90 min. w/ test switch

Color Temperature: 27, 30, 35, 40K

Optics: 15, 24, 36, 60°

Voltage: 120-277V

CRI: 80+, 90+

Life: 50,000 Hours

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

Listings: cULus listed for damp locations



Pendant Mount



Surface Mount

| Size | Wattage Selectable | Efficacy | Lumens |
|------|--------------------|----------|-------------|
| 4" | 25/18/12W | 95lm/w | 1140~2350lm |
| 6" | 40/30/20W | 105lm/w | 2100~4200lm |
| 8" | 58/45/30W | 90lm/w | 2610~5220lm |



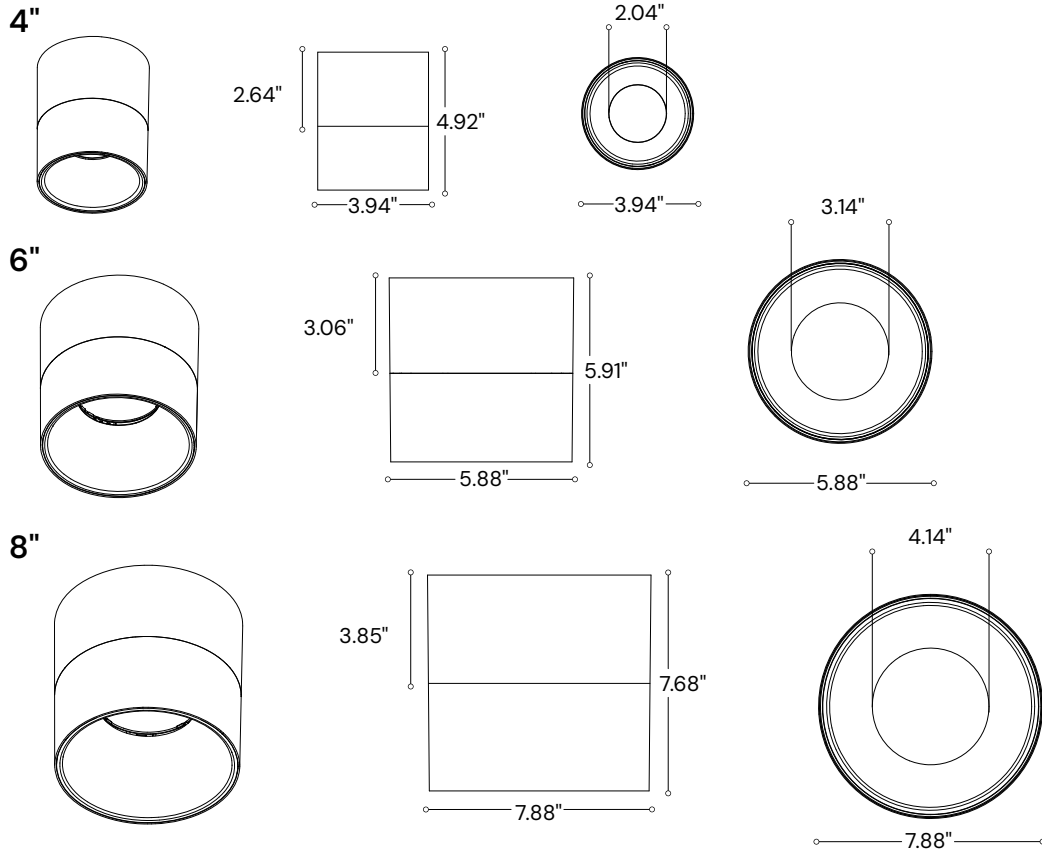
ORDERING INFORMATION Example:

| Model | Size | Mount | Color Temp | Optics | Finish | Reflector Finish | Canopy | Pendant Mounting ¹ | CRI | Options |
|-------|------|---------|------------|----------------|--------|------------------|---------------------------|-------------------------------|---------------------------|--------------|
| 12343 | 4 | P | 27K 2700K | 15 15° Narrow | WH | WH | Blank ^{Standard} | Blank | Blank ^{Standard} | EMX8 |
| | 4" | Pendant | 30K 3000K | 24 Spot | White | BK | J-Box Mount | Not Required | 80+ | 8W External |
| | 6 | S | 35K 3500K | 36 24° Spot | BK | GO | C | AC2 | 9 | Emergency |
| | 6" | Surface | 40K 4000K | 60 36° Flood | Black | CH | Conduit Mount | AC2 | 90+ | Battery |
| | 8 | | | 60° Wide Flood | | | | AC4 | | EMX25 |
| | 8" | | | | | | | AC8 | | 25W External |
| | | | | | | | | ST2 ² | | Emergency |
| | | | | | | | | 2' Stem | | Battery |
| | | | | | | | | ST4 ² | | |
| | | | | | | | | 4' Stem | | |
| | | | | | | | | ST8 ² | | |
| | | | | | | | | 8' Stem | | |

¹ Mounting options are same color as fixture

² Tilt up to 30°

LINE DRAWINGS & DIMENSIONS



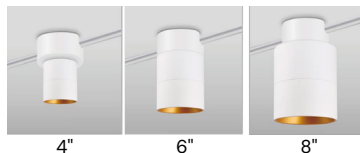
MOUNTING OPTIONS

J-Box Mount

Surface



Conduit Mount



Reflector Finish Options



Pendant

Cable

Stem



Tilt up to 30°

Cable

Stem

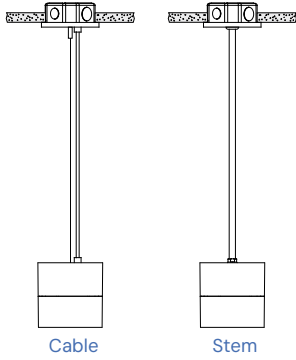


Tilt up to 30°

MOUNTING LOCATION

Pendant

J-Box Mount



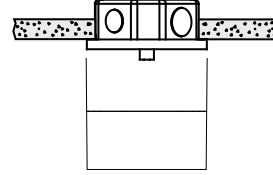
A 4.5" flat canopy is included to cover the junction box, along with a white or black aircraft cable in lengths of 2', 4', or 8' (nominal), which can be adjusted on-site as needed.

For pendant stem mounting, a steel stem with a diameter of 0.48" in the specified lengths of 2', 4', or 8' (nominal) is available in a white or black finish.

The junction box can be any of the following shapes:

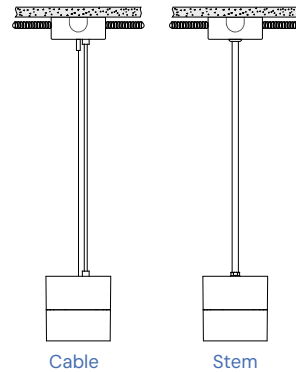
- 3" octagon
- 4" octagon
- 4" round

Surface



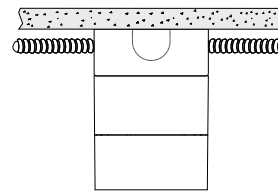
If a compatible recessed junction box already exists in the ceiling, the cylinder light can be mounted directly to it.

Conduit Mount



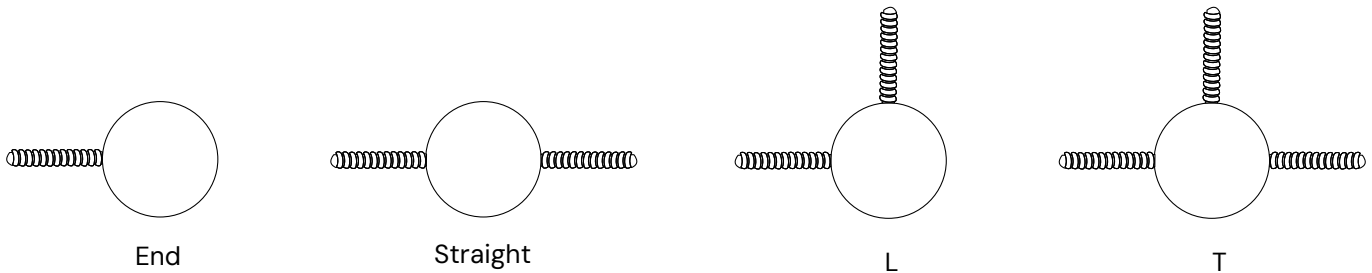
For the standard 4" octagonal junction box surface mounted, a round canopy with a diameter of 5.97" and a depth of 2.38" is provided. Features four key slots, one on each side, that can be configured to accommodate any ceiling layout using a 0.5" or 0.375" conduit.

This deep canopy offers ample space for routing conduit from the junction box to the fixture. The conduit enters through one of the key slots, connecting seamlessly to the fixture within the canopy. These key slots enable flexible installation, accommodating various conduit routing configurations.



A 5.97" round canopy with a 2.38" depth is provided for installation. Route the conduit from junction box to fixture, ensuring the canopy has enough space to accommodate it.

CONDUIT CONFIGURATIONS



LIGHT DISTRIBUTION

Four Beam Angle options



EXTERNAL EMERGENCY BATTERY



Canopy with Indicator



LED Emergency Driver with External Test Button

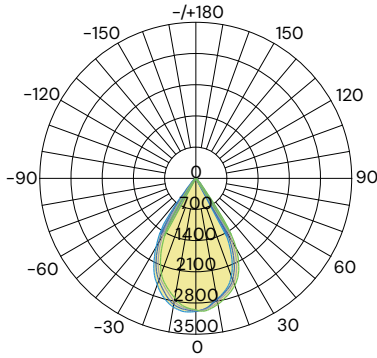
In the event of an AC power failure, the system automatically switches to emergency mode, providing at least 120 minutes of illumination. Once power is restored, it seamlessly returns to charging mode, ensuring compliance with critical life-safety lighting requirements.

Emergency Lumen Output

| Mount | Fixture Efficacy | 8W Output Power |
|---------|------------------|-----------------|
| Pendant | 80lm/w | 640 lm |
| Surface | 90lm/w | 720 lm |

PHOTOMETRY

4"/ 3000K/ 60°



AVERAGE BEAM ANGLE (50%): 61.0°

Lumens: 2612.6 Lm
Watts: 25 W
LPW: 103.94 Lm/W
CCT: 3000K

UNIT:cd
 — CO/180, 61.0°
 — C30/210, 61.1°
 — C60/240, 61.1°
 — C90/270, 60.7°

Zonal Flux Diagram

| T | CO | C45 | C90 | C135 | C180 |
|-----|-----------------------|--------|--------|--------|--------|
| 10 | 2751 | 2786 | 2868 | 2917 | 2931 |
| 20 | 2335 | 2466 | 2558 | 2593 | 2538 |
| 30 | 1094 | 1535 | 1818 | 1905 | 1800 |
| 40 | 155.1 | 194.4 | 245.3 | 438.2 | 400.3 |
| 50 | 62.68 | 63.03 | 65.58 | 79.00 | 102.6 |
| 60 | 44.26 | 44.48 | 45.54 | 54.19 | 62.64 |
| 70 | 23.80 | 23.01 | 22.92 | 28.39 | 34.03 |
| 80 | 2.913 | 5.007 | 6.675 | 7.312 | 11.58 |
| 90 | 0.1544 | 0.1118 | 0.3414 | 0.4778 | 0.2661 |
| 100 | 0.0980 | 0.1167 | 0.1027 | 0.1260 | 0.1499 |
| 110 | 0.1725 | 0.2939 | 0.8678 | 0.2707 | 0.6863 |
| 120 | 0.3081 | 0.3082 | 0.3596 | 0.3502 | 0.7190 |
| 130 | 0.8022 | 0.6450 | 0.4290 | 0.4484 | 0.8034 |
| 140 | 2.066 | 1.785 | 1.408 | 1.243 | 1.589 |
| 150 | 3.714 | 3.274 | 2.851 | 2.718 | 3.120 |
| 160 | 5.316 | 4.917 | 4.461 | 4.184 | 4.698 |
| 170 | 6.381 | 6.205 | 6.044 | 5.930 | 6.233 |
| 180 | 6.788 | 6.806 | 6.652 | 6.657 | 6.797 |
| DEG | LUMINOUS INTENSITY:cd | | | | |

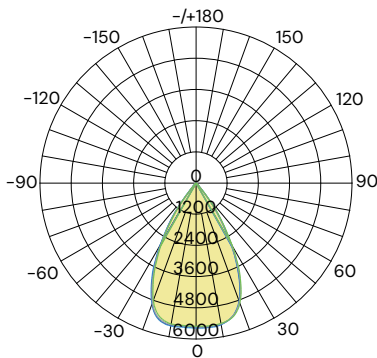
Zonal Lumens

| T | φ total |
|----------|---------|
| 0-10 | 275.7 |
| 10-20 | 1016 |
| 20-30 | 1941 |
| 30-40 | 2403 |
| 40-50 | 2499 |
| 50-60 | 2552 |
| 60-70 | 2587 |
| 70-80 | 2603 |
| 80-90 | 2605 |
| 90-100 | 2605 |
| 100-110 | 2605 |
| 110-120 | 2606 |
| 120-130 | 2606 |
| 130-140 | 2607 |
| 140-150 | 2609 |
| 150-160 | 2610 |
| 160-170 | 2612 |
| 170-180 | 2613 |
| UNIT: lm | |

Luminance cd/(m2)

| G(DEG) | CO/180 | C90/270 |
|--------|--------|---------|
| 85 | 2079 | 6732 |
| 80 | 2892 | 6628 |
| 75 | 8458 | 9206 |
| 70 | 11997 | 11556 |
| 65 | 13945 | 13764 |
| 60 | 15263 | 15703 |
| 55 | 16203 | 17152 |
| 50 | 16813 | 17592 |
| 45 | 17695 | 27503 |

6"/ 3000K/ 60°



AVERAGE BEAM ANGLE (50%): 59.6°

Lumens: 5046.4 Lm
Watts: 45 W
LPW: 111.38 Lm/W
CCT: 3000K

UNIT:cd
 — CO/180, 59.5°
 — C60/210, 59.5°
 — C30/240, 59.6°
 — C90/270, 59.6°

Zonal Flux Diagram

| T | CO | C45 | C90 | C135 | C180 |
|-----|-----------------------|--------|--------|--------|--------|
| 10 | 5529 | 5511 | 5486 | 5486 | 5576 |
| 20 | 4834 | 4887 | 4923 | 4940 | 4963 |
| 30 | 2643 | 2758 | 2803 | 2894 | 2818 |
| 40 | 433.5 | 487.4 | 508.0 | 551.8 | 472.2 |
| 50 | 100.6 | 104.4 | 102.4 | 105.5 | 99.85 |
| 60 | 72.33 | 72.16 | 70.84 | 70.56 | 71.23 |
| 70 | 44.46 | 45.15 | 44.15 | 44.05 | 43.76 |
| 80 | 18.19 | 18.90 | 17.92 | 18.39 | 18.56 |
| 90 | 0.1782 | 0.1447 | 0.1496 | 0.1447 | 0.1447 |
| 100 | 0.1727 | 0.1868 | 0.1494 | 0.1821 | 0.1729 |
| 110 | 0.2565 | 0.2615 | 0.2147 | 0.2568 | 0.2569 |
| 120 | 0.3688 | 0.3923 | 0.3823 | 0.3596 | 0.3737 |
| 130 | 1.082 | 1.047 | 0.9929 | 0.9770 | 1.080 |
| 140 | 3.232 | 3.112 | 3.031 | 2.920 | 3.318 |
| 150 | 6.392 | 6.202 | 6.089 | 5.889 | 6.530 |
| 160 | 9.529 | 9.302 | 9.245 | 9.017 | 9.601 |
| 170 | 12.21 | 12.07 | 11.91 | 11.77 | 12.11 |
| 180 | 13.29 | 13.37 | 13.15 | 13.16 | 13.31 |
| DEG | LUMINOUS INTENSITY:cd | | | | |

Zonal Lumens

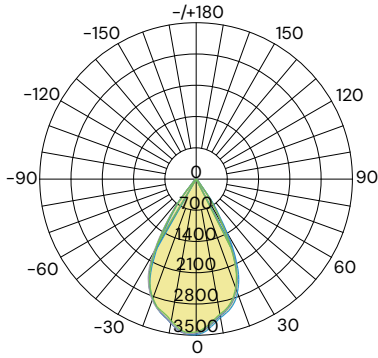
| T | φ total |
|----------|---------|
| 0-10 | 526.3 |
| 10-20 | 2017 |
| 20-30 | 3780 |
| 30-40 | 4714 |
| 40-50 | 4863 |
| 50-60 | 4936 |
| 60-70 | 4993 |
| 70-80 | 5025 |
| 80-90 | 5033 |
| 90-100 | 5033 |
| 100-110 | 5033 |
| 110-120 | 5033 |
| 120-130 | 5034 |
| 130-140 | 5036 |
| 140-150 | 5039 |
| 150-160 | 5042 |
| 160-170 | 5045 |
| 170-180 | 5046 |
| UNIT: lm | |

Luminance cd/(m2)

| G(DEG) | CO/180 | C90/270 |
|--------|--------|---------|
| 85 | 5141 | 5059 |
| 80 | 6800 | 6703 |
| 75 | 7678 | 7640 |
| 70 | 8441 | 8382 |
| 65 | 9032 | 8906 |
| 60 | 9393 | 9200 |
| 55 | 9336 | 9072 |
| 50 | 10163 | 10349 |
| 45 | 14737 | 15549 |

PHOTOMETRY

8"/ 3000K/ 60°



AVERAGE BEAM ANGLE (50%): 57.7°

Lumens: 6000.6 Lm
Watts: 60 W
LPW: 95.85 Lm/W
CCT: 3000K

UNIT:cd
— C0/180, 57.5°
— C60/210, 57.8°
— C30/240, 58.0°
— C90/270, 57.5°

Zonal Flux Diagram

| T | C0 | C45 | C90 | C135 | C180 |
|-----|-----------------------|--------|--------|--------|--------|
| 10 | 6752 | 6641 | 6582 | 6635 | 6997 |
| 20 | 5798 | 5610 | 5550 | 5774 | 6119 |
| 30 | 2943 | 2631 | 2544 | 3088 | 3598 |
| 40 | 323.2 | 281.4 | 268.1 | 369.4 | 569.4 |
| 50 | 101.4 | 92.02 | 90.41 | 103.3 | 137.4 |
| 60 | 66.11 | 63.45 | 62.41 | 64.37 | 68.46 |
| 70 | 40.56 | 38.05 | 37.37 | 39.94 | 43.13 |
| 80 | 16.48 | 14.58 | 14.33 | 16.84 | 19.29 |
| 90 | 0.1635 | 0.1495 | 0.1728 | 0.1494 | 0.6340 |
| 100 | 0.1633 | 0.2008 | 0.1867 | 0.1961 | 0.1821 |
| 110 | 0.2426 | 0.2895 | 0.2613 | 0.2755 | 0.2615 |
| 120 | 0.4150 | 0.4624 | 0.4521 | 0.4110 | 0.3877 |
| 130 | 1.310 | 1.501 | 1.445 | 1.183 | 1.038 |
| 140 | 4.020 | 4.396 | 4.323 | 3.738 | 3.636 |
| 150 | 7.830 | 3.274 | 2.851 | 2.718 | 3.120 |
| 160 | 11.69 | 12.09 | 12.00 | 11.29 | 11.30 |
| 170 | 15.06 | 15.17 | 14.99 | 14.64 | 14.78 |
| 180 | 16.06 | 16.06 | 15.84 | 15.86 | 16.12 |
| DEG | LUMINOUS INTENSITY:cd | | | | |

Zonal Lumens

| T | φ total |
|---------|----------|
| 0-10 | 670.6 |
| 10-20 | 2462 |
| 20-30 | 4629 |
| 30-40 | 5655 |
| 40-50 | 5820 |
| 50-60 | 5892 |
| 60-70 | 5945 |
| 70-80 | 5976 |
| 80-90 | 5984 |
| 90-100 | 5985 |
| 100-110 | 5985 |
| 110-120 | 5985 |
| 120-130 | 5986 |
| 130-140 | 5988 |
| 140-150 | 5991 |
| 150-160 | 5995 |
| 160-170 | 5999 |
| 170-180 | 6001 |
| | UNIT: lm |

Luminance cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85 | 2815 | 2099 |
| 80 | 3569 | 3101 |
| 75 | 4060 | 3666 |
| 70 | 4458 | 4108 |
| 65 | 4761 | 4451 |
| 60 | 4970 | 4692 |
| 55 | 5058 | 4836 |
| 50 | 5932 | 5288 |
| 45 | 9205 | 8235 |

COMPATIBLE DIMMERS

| | ALCON LIGHTING | LUTRON | LEVITON | legrand® |
|--------|--|--|--------------|------------|
| O-10 V | 2100 2101 2102 | DVSTV NTSTV-DV | IP710 | RH4FBL3PTC |
| TRIAC | | MSCL-DPI53M SCL-153P CTCL-153P CT-603PG DV603P DVCL153P | 6683 6674 | |

COLOR TEMPERATURE GUIDE

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