

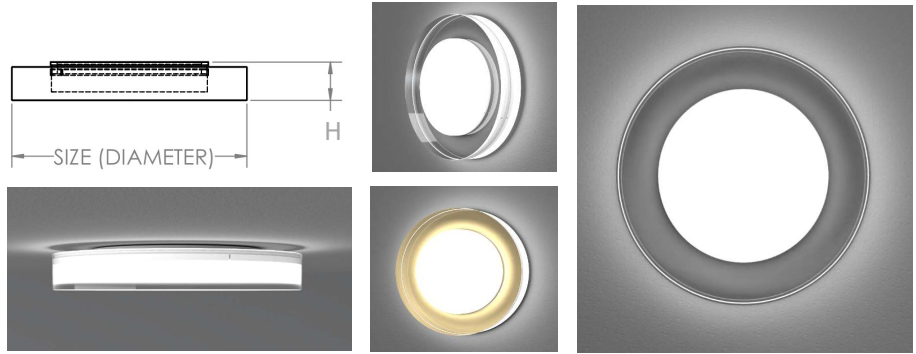
Disc

The Encased Disc by Fluent redefines lighting with a perfect balance of visual comfort, advanced optical control, and a timeless, refined aesthetic. Crafted from hand polished solid acrylic, it offers a sophisticated design element that seamlessly integrates into both complex and minimalist architectural spaces.

PROJECT: _____

FIXTURE TYPE: _____

QUANTITY: _____



SPECIFICATION CODE

| MODEL/DISTRIBUTION | SIZE (in) | LIGHT SOURCE | VOLTAGE | CCT (K) | CRI | CONTROL | MOUNTING | BACK PLATE | OPTIONS |
|--------------------|-----------|--------------|---------|---------|-----|---------|----------|------------|---------|
| | | | | | | | | | |

EXAMPLE

| | | | | | | | | | |
|------|-----|--------|---------|------|----|------|------|-------|--|
| SLDE | 6.5 | HO 14W | 120-277 | 3500 | 90 | DIMO | SURF | BPCLR | |
|------|-----|--------|---------|------|----|------|------|-------|--|

| | | | | | | | | | |
|--|--------------------------|--|----------------|---|------------------------------------|--|--|---|---|
| SLDE (Encased Disc with Luminous Distribution) | 6.5 (H = 1.4) | M 7W (500lm, 1250 cd/ft ²) H 10W (700lm, 1500 cd/ft ²) HO 14W (975lm, 2250 cd/ft ²) | 120-277 | 2700 3000 3500 4000 5000 | 80 (min) 90 (min) | DIMO (0-10V, 0-100%) PDIMO (TRIAC, <5-100%, DIM-TO-OFF) | SURF (ceiling or wall, surface mount over junction box (SEE MOUNTING DETAILS ON PAGE 2), integral power supply sits within junction box) | BP _____ (back plate behind optic visible through optic, pick finish: CLR (no backplate), WHT, BLK, or RAL _____) | GP _____ (5" diameter goof plate for 6.5" fixture mounted over recessed 4" octagon junction box, pick finish color: WHT, BLK, or RAL _____) |
| | 11.0 (H = 1.7) | L 14W (1000lm, 750 cd/ft ²) M 19W (1400lm, 1250 cd/ft ²) H 27W (1975lm, 1500 cd/ft ²) | | | | | SURF/REMOTE (ceiling or wall, surface mount over junction box (SEE MOUNTING DETAILS ON PAGE 2), remote power supply, enclosure cover included) | | MOD _____ (modification to standard product, feasibility to be verified by factory) |

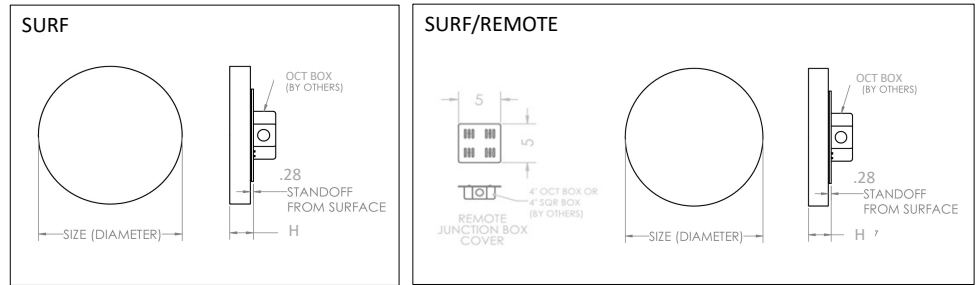
LEGEND LIGHT SOURCE

H 10W (700lm, 1500 cd/ft²)

OUTPUT LEVEL / LOAD / LIGHT OUTPUT VIEWED PERPENDICULAR TO SURFACE (APPROXIMATE) / EMITTING SURFACE LUMINANCE (VALUES SHOWN AT 3500K, 80CRI)

HO 14W
(Not available with SURF Mounting, Remote only.)

RAL
(pick any color from the RAL color standard, finish will be fine textured unless otherwise specified as a MOD)



GENERAL SPECIFICATIONS

| | |
|--------------------|--|
| APPROVAL | ETL listed to UL2108 damp location |
| MIN OPERATING TEMP | -20C (-4F) |
| MAX OPERATING TEMP | SURF/REMOTE Mounting: 40C (104F) , SURF Mounting: 30C (86F) , For HO 14W Light Source with SURF/REMOTE Mounting: 30C (86F) |
| HOUSING MATERIAL | aluminum |
| DIFFUSER MATERIAL | UV resistant polished acrylic |
| MOUNTING BRACKET | galvanized steel |
| FINISH MATERIAL | polyester powder coat |
| LUMEN MAINTENANCE | L70 > 50,000 hrs. (@25°C) |
| WARRANTY | 5 year limited warranty |

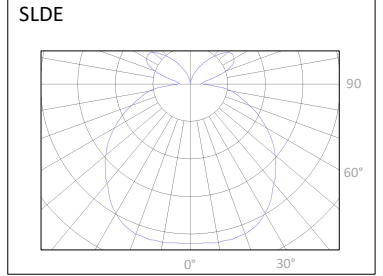
LIGHT SOURCE / PHOTOMETRY

| | |
|-------------------|---|
| LEDs | Cree 2835 |
| CCT | 2700K, 3000K, 3500K, 4000K, 5000K |
| COLOR BINNING | within 3-step MacAdam ellipse |
| CRI | 80+ (Ra>80, 25>R9>0), 90+ (Ra>90, 75>R9>50) |
| LUMEN MAINTENANCE | L70 > 50,000 hrs. (@25°C) |

AVAILABLE IES FILES www.fluent-lighting.com

OUTPUT MULTIPLIER Lumen values and photometric files configured at 3500K, 80 CRI. Please use the following multipliers for different color temperatures and CRI values.

| | | | | | |
|-----|-------|-------|-------|-------|-------|
| | 2700K | 3000K | 3500K | 4000K | 5000K |
| 80+ | .93 | .97 | 1.00 | 1.03 | 1.03 |
| 90+ | .79 | .83 | .85 | .87 | .87 |



CONTROL

DIM0 (0-10V dimming, 0-100%)

| | |
|-------------------|----------------------|
| TYPE | electronic |
| DIMMING PROTOCOL | 0-10V |
| MINIMUM DIM LEVEL | 0% |
| DIMMING CURVE | linear |
| POWER FACTOR | >0.9 |
| THD | <20% |
| INPUT | 120-277V AC, 50/60HZ |

PDIM0 (TRIAC phase dim, <5-100%, dim-to-off)

| | |
|-------------------|--------------------------------|
| TYPE | electronic |
| DIMMING PROTOCOL | TRIAC (and ELV*) phase dimming |
| MINIMUM DIM LEVEL | <5-100%, dim-to-off |
| DIMMING CURVE | linear |
| POWER FACTOR | >0.9 |
| THD | <20% |
| INPUT | 120 AC, 50/60HZ |

REMOTE DISTANCES Specific to each lamping/driver combination and can be 100'+, consult factory for specifics.
Worst case distance: 18ga wire - 15', 16ga wire - 25', 14ga wire - 40', 12ga wire - 60'

MAINTENANCE All drivers are field replaceable.

ALTERNATIVE CONTROLS Contact factory for additional control options.

APPROVED DIMMERS

DIM0

(Approved Dimmers: Lutron NTSTV-DV, Lutron NFTV, Leviton IP710 DL, Watt Stopper ADF 120277)

PDIM0

(Approved Dimmers: Leviton 6674, Leviton 6684, Leviton RPI06, Leviton IPI06, Lutron NTLV-600, Lutron DV-103P, Lutron Skylark S-600P, Lutron DVCL-1539)

*ELV trailing edge dimming is only supported on fixture models 6.5-M 7W and 6.5-H 10W. (Approved ELV dimmer: Leviton 6615)

MOUNTING

SURF (SURFACE) MOUNTING DETAILS

| SIZE (in) | WEIGHT | DRIVER VOLUME (within j-box) |
|-----------|--------|------------------------------|
| 6.5 | 4 LBS | 5.0 cu. in. |
| 11.0 | 8 LBS | 7.0 cu. in. |

MOUNTS TO

directly to 3.5" oct j-box, 3.5" ceiling pan/box (2.75" ears), or 4" oct j-box (SEE NOTES)

directly to 4" oct j-box, or 4" ceiling pan/box (3.5" ears)

NOTES Ceiling or wall applications. Integral power supply is attached to mounting plate and sits within j-box. Driver volume includes splice compartment for driver-to-luminaire connection.

For fixtures with remote power supplies, an additional cover plate is supplied to mount remote power supply within second, remote 4" oct j-box (by others) or 4" sqr box (by others). For alternative lampings, contact factory for enclosure sizes and options.

For 6.5" size only using 4" octagonal j-box:

Fixture should use goof plate if mounting to recessed 4" octagonal j-box. No goof plate needed if mounted to exposed work 4" octagonal j-box.

OPTIONS

BP (BACK PLATE) DETAILS

NOTES Visible solid .06" aluminum back plate position directly behind acrylic. Back plate adds color to fixture and can hide imperfect mounting surfaces. Back plate is standard with WHT, BLK, or RAL powder coat finish. Alternative materials and finishes, including metal finishes are available as a modification. Contact factory for options.

GP (GOOF PLATE) DETAILS

NOTES 5" diameter goof plate to be used for 6.5" fixture mounted over recessed 4" octagonal j-box. No goof plate is needed to mount to exposed work 4" octagonal j-box. Goof plate is standard with WHT, BLK, or RAL powder coat finish.

