

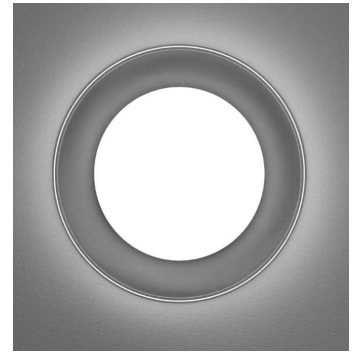
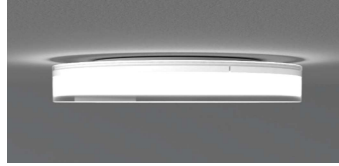
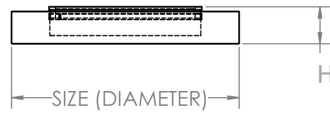
Disc

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	DIM1	SURF	BP CLR	
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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) L 14W (1000lm, 750 cd/ft ²) M 19W (1400lm, 1250 cd/ft ²) H 27W (1975lm, 1500 cd/ft ²)
11.0 (H = 1.7)	

LEGEND LIGHT SOURCE

H 10W (700lm, 1500 cd/ft²)
OUTPUT LEVEL LOAD LIGHT EMITTING SURFACE LUMINANCE, OUTPUT VIEWED PERPENDICULAR TO SURFACE (APPROXIMATE)
(VALUES SHOWN AT 3500K, 80CRI)

HO 14W
(REMOTE option only)

120-277

2700	80 (min)
3000	90 (min)
3500	
4000	
5000	

DIM1 (0-10V, 1-100%)
PDIM1 (120v only, TRIAC & ELV, 1-100%)

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 _____)

REMOTE
(remote driver, enclosure cover included)

GP _____
(5" diameter goof plate for 6.5" fixture mounted over recessed 4" octagon junction box, pick finish color: WHT, BLK, or RAL _____)

MOD _____
(modification to standard product, feasibility to be verified by factory)

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
LOCATION	damp location, closet rated
ALTERNATIVES	Wet Location available. Contact factory for details.

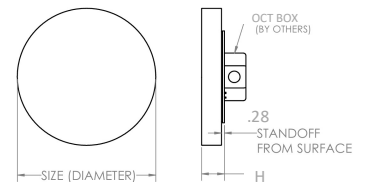
MIN OPERATING TEMP	-20C (-4F)
MAX OPERATIONG TEMP	SURF+REMOTE Mounting: 40C (104F) , SURF Mounting: 30C (86F), For HO 14W Light Source with SURF+REMOTE Mounting: 30C (86F)

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

SURF

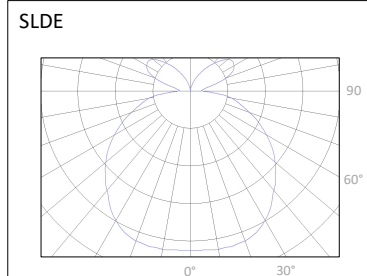


LIGHT SOURCE / PHOTOMETRY

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)
ALTERNATIVES	RGBW, RGB, and Tunable White available. Contact factory for details.
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

DIM1 (0-10V dimming, 1-100%)

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

PDIM1 (TRIAC & ELV phase dim, 1-100%)

TYPE	electronic
DIMMING PROTOCOL	TRIAC and ELV phase dimming
MINIMUM DIM LEVEL	1-100%
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, including dim-to-off (0% dimming)

APPROVED DIMMERS

DIM1

Leviton: IP710 DL; Lutron: NFTV, DVTV

PDIM1

TRIAC - Leviton: 6161, 6631, 6633, 6683, IPI06; Lutron: S-600P, S-603PG, DVCL-153P, DV-600P, TGCL-153P, TG-600P, LG-600P, CT-103P; Cooper: DLC03P, SLC03P, DAL06P

ELV - Leviton: IPE04, 6615, VPE06; Lutron: DVELV-3039, SELV-300P, MAELV-600, FAELV-500

MOUNTING

SURF (SURFACE) MOUNTING DETAILS

SIZE (in)	WEIGHT	DRIVER VOLUME (within j-box)	MOUNTS TO
6.5	4 LBS	5.0 cu. in.	directly to 3.5" oct j-box, 3.5" ceiling pan/box (2.75" ears), or 4" oct j-box (SEE NOTES)
11.0	8 LBS	7.0 cu. in.	directly to 4" oct j-box, or 4" ceiling pan/box (3.5" ears)

NOTES Ceiling or wall applications. Integral driver sits within j-box.

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.

REMOTE DETAILS

NOTES LED driver to be mounted in remote enclosure (4" oct j-box (by others) or 4" sqr box (by others)). A cover plate is supplied.

For alternative lampings, contact factory for enclosure sizes and 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.



Back Plate (shown in gold)