



ECO 1" LED DOWNLIGHT

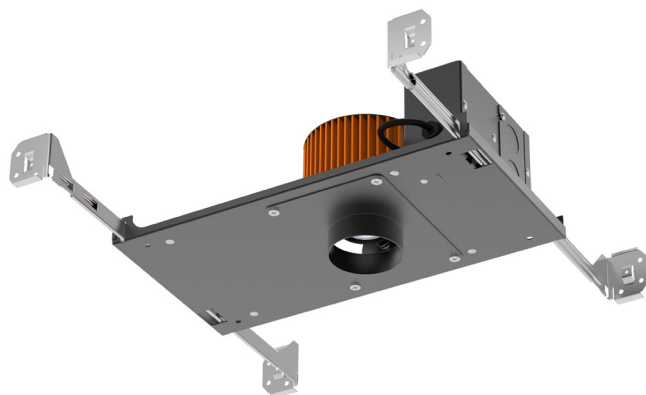
ED1AIC, ED1ANC, ED1NC, ED1RM
ED1LAIC, ED1LANC, ED1LNIC, ED1LRIC
ED1SNIC

SPEC-00271 UPDATED 08/11/2021

PROJECT: _____

TYPE: _____

NOTE: _____



- The Overachiever, recessed downlight system
- Silent Vu™ Optic Technology provides exceptional light performance with minimal glare
- Fixed or easily adjustable, installs in low plenum spaces

ECO FULL SERVICE RECESSED DOWNLIGHT SOLUTIONS

- ED1** – Up to 1110 Delivered Lumens, Universal Dimming Driver
- ED1L** – Up to 889 Delivered Lumens, Universal Dimming Driver
- ED1S** – Shallow Plenum, Up to 1110 Delivered Lumens, Phase Control Dimming Driver

LED LIGHT ENGINE

RATED WATTAGE	12W or 10W
DELIVERED LUMENS	Up to 1110 lm
EFFICACY	Up to 103 LPW
CCT @ 90CRI	2700K, 3000K, 3500K, 4000K
COLOR QUALITY	90+ CRI, 2-Step SDCM
LED LIFETIME	55,000 hours @ L90

DELIVERED LUMENS MATRIX

ED1, ED1S (10.8W)	10° optic	30° optic	50° optic	80° optic
2700K (90CRI)	742 lm	888 lm	825 lm	641 lm
3000K (90CRI)	816 lm	977 lm	908 lm	706 lm
3500K (90CRI)	928 lm	1110 lm	1031 lm	802 lm
4000K (90CRI)	928 lm	1221 lm	1134 lm	882 lm

ED1L (9.7W)	10° optic	30° optic	50° optic	80° optic
2700K (90CRI)	646 lm	773 lm	719 lm	559 lm
3000K (90CRI)	686 lm	826 lm	765 lm	589 lm
3500K (90CRI)	743 lm	889 lm	826 lm	642 lm
4000K (90CRI)	789 lm	950 lm	880 lm	678 lm

SILENT VU™ OPTICS TECHNOLOGY

OPTICS	50° Installed, 10°, 30°, 80° available
ADJUSTABLE	0° to 15° tilt (Adjustable housings only)
MEDIA	Clear, Solite, Frosted, Linear Spread

POWER SUPPLY

INPUT VOLTAGE	120/277V, 50/60Hz
DIMMING	TRIAC, ELV, 0-10V, dims to 1%
SERVICABILITY	Below Ceiling Access

TRIM OPTIONS

- Fixed or Adjustable
- Round or Square
- Standard or Trimless
- Wet Location

TRIM COLORS

- White
- Black
- Champagne
- Champagne w/ White Flange
- Black w/ White Flange
- Silver w/ White Flange

HOUSING INSTALLATION

- New Construction includes (2) galvanized steel adjustable hanger bars
- Remodel option available
- 5/8" – 2" ceiling thickness
- Min Plenum Height: 2 1/2" Shallow
- Ceiling Material: Drywall, T-bar grid
- Steel junction box with up to (4) 1/2" knockouts
- AIC/NIC/RIC/SNIC models are Air Tight. AIC/SNIC models are CCEA compliant.
(Note: polycell spray-in foam insulation must be kept 3" from housing)

LISTINGS AND WARRANTY

cULus Listed

IC Rated and Non IC Rated Available

CCEA Approved (AIC/SNIC Models)

Five (5) years limited warranty

UL Listed for Wet Location (Wet Location Trim Style)

CA Title 24-JA8 Compliant (AIC/NIC/RIC/SNIC Models)

ASTM E283 Certified Airtight (AIC/NIC/RIC/SNIC Models)





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ED1LAIC, ED1LANC, ED1LNIC, ED1LRIC
ED1SNIC

PROJECT: _____

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NOTE: _____

ORDER MATRIX**ED1**

ECO 1" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED1AIC-309050-12S)

HOUSING BASE		LIGHT ENGINE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED1 ECO 1"	AIC* (Adj New Construction IC)	-27 (2700K)	90 (90 CRI)	50 (50° Flood) Installed 10°, 30°, 80° optics available from the Additional Optics Accessories table below	-12 (12W)	S Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV, 120V/277V)
	ANC* (Adj New Construction)	-30 (3000K)				
	NC (New Construction)	-35 (3500K)				
	RM (Remodel)	-40 (4000K)				

*AIC and ANC: Trimless Style available, order associated Trimless Mudplate from Trim Accessories

ED1L

ECO 1" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED1LAIC-309050-10S)

HOUSING BASE		LIGHT ENGINE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED1L ECO 1" LPD	AIC* (Adj New Construction IC)	-27 (2700K)	90 (90 CRI)	50 (50° Flood) Installed 10°, 30°, 80° optics available from the Additional Optics Accessories table below	-10 (10W)	S Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV, 120V/277V)
	ANC* (Adj New Construction)	-30 (3000K)				
	NIC (New Construction IC)	-35 (3500K)				
	RIC (Remodel IC)	-40 (4000K)				

*AIC and ANC: Trimless Style available, order associated Trimless Mudplate from Trim Accessories

ED1S

ECO 1" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED1SNIC-309050-12A1)

HOUSING BASE		LIGHT ENGINE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED1S ECO 1" Shallow	NIC* (New Construction IC)	-27 (2700K)	90 (90 CRI)	50 (50° Flood) Installed 10°, 30°, 80° optics available from the Additional Optics Accessories table below	-12 (12W)	A1 Phase Control Dimming Driver (5%-100% TRIAC, ELV, 120V)
		-30 (3000K)				
		-35 (3500K)				
		-40 (4000K)				

*Trimless Style available, order associated Trimless Mudplate from Trim Accessories

ACCESSORIES

ECO 1" ACCESSORIES FOR ECO ED1, ED1L, ED1S

ADDITIONAL OPTICS	
ED1-10-OPTIC	(10° Spot)
ED1-30-OPTIC	(30° Narrow Flood)
ED1-50-OPTIC	(50° Flood)
ED1-80-OPTIC	(80° Wide Flood)

OPTICAL MEDIA	
ED1-CL	(Clear Lens)
ED1-MP	(Solite Lens)
ED1-FR	(Frosted Lens)
ED1-LS	(Linear Spread Lens)
ED1-MHLDR¹	(Media Holder)

1. MHLDR required when ordering any optical media

EMERGENCY OPTIONS	
EM-1000	(25W Remote Inverter)
EM-1002	(10W Remote EM Driver)
EM-1003	(35W Remote Inverter)
EM-1004	(50W Remote Inverter)

	ECO 1" LED DOWNLIGHT	PROJECT: _____
	ED1AIC, ED1ANC, ED1NC, ED1RM ED1LAIC, ED1LANC, ED1LNIC, ED1LRIC ED1SNIC	TYPE: _____ NOTE: _____
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ORDER MATRIX

TRIM

ECO 1" DOWNLIGHT TRIM ORDER MATRIX (Example: ED1-RSTWT)

FAMILY APERTURE	SHAPE	STYLE	FINISH
ED1- ECO 1"	R (Round)	ST (Standard)	WT (White)
	S (Square)	WL (Wet Location)	BK (Black)
		TL¹ (Standard Trimless)	CN (Champagne)
			BW² (Black w/ White Flange)
			SW² (Silver w/ White Flange)
			CW² (Champagne w/ White Flange)

1. Must order associated Mudplate from Trim Accessories. Trimless Style for use with AIC, ANC, and SNIC models only.

TRIM ACCESSORIES

ECO 1" TRIM ACCESSORIES ORDER MATRIX (Example: ED1-R-TL)

SIZE	STYLE
ED1- ECO 1"	R-TL (Round Trimless Mudplate)
	S-TL (Square Trimless Mudplate)
	R-FMA (Round Flush Mount Adapter)
	S-FMA (Square Flush Mount Adapter)
	TC1 (Thick Ceiling Adapter for ceilings ¹¹ / ₁₆ " to 1 1/4")
	TC2 (Thick Ceiling Adapter for ceilings 1 5/16" to 2")



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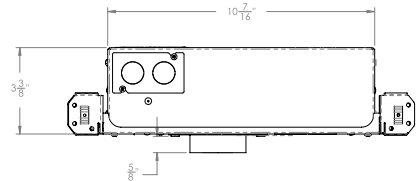
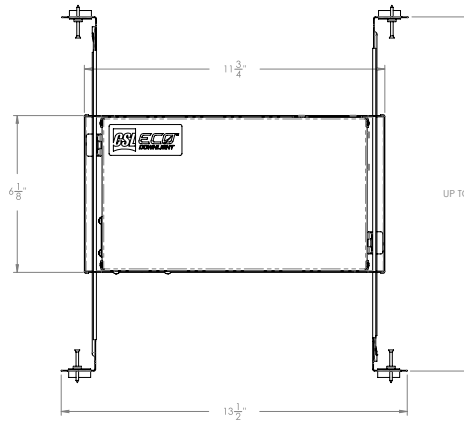
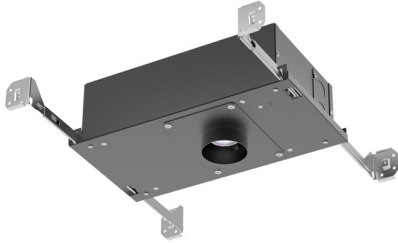
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TYPE: _____

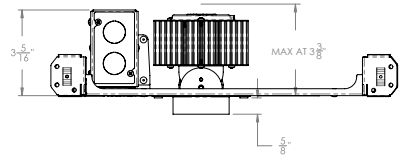
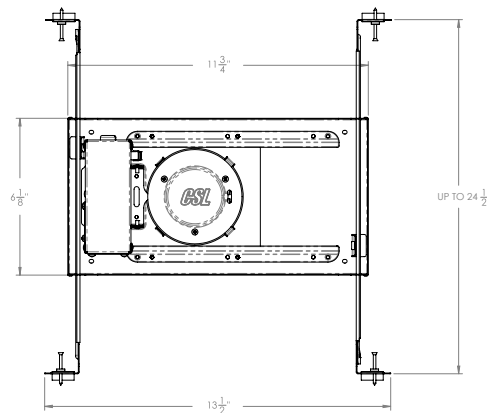
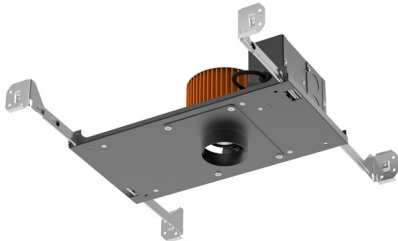
NOTE: _____

HOUSING AND LIGHT ENGINE LINE DRAWINGS

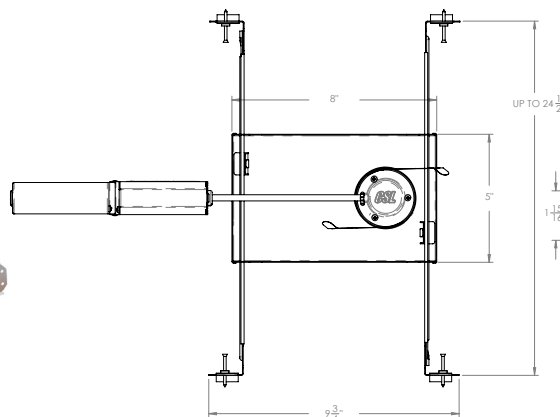
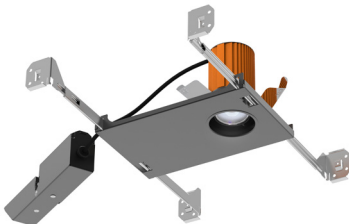
ED1AIC/ED1LAIC



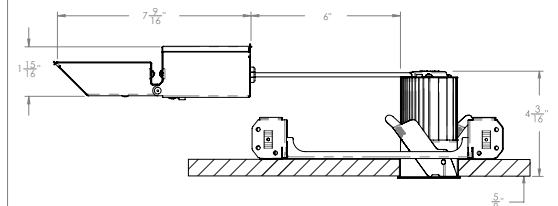
ED1ANC/ED1LANC



ED1NC/ED1LNIC



Minimum plenum height 5 1/2"





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ED1SNIC

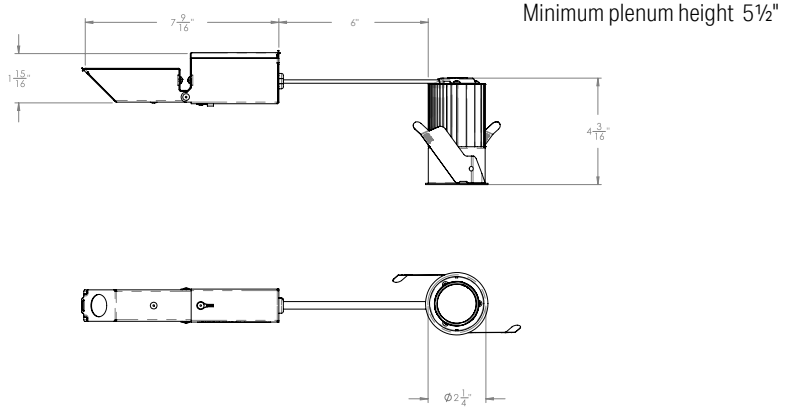
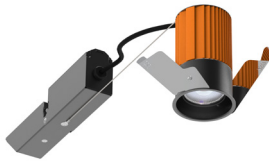
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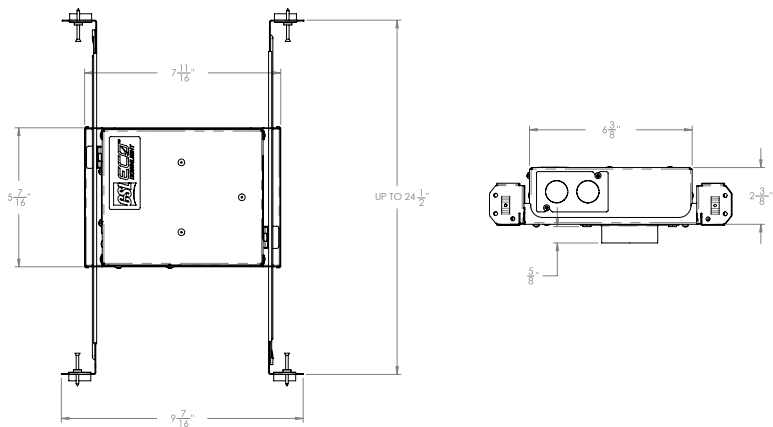
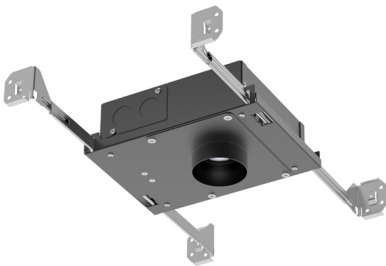
NOTE: _____

HOUSING AND LIGHT ENGINE LINE DRAWINGS

ED1RM/ED1LRIC



ED1SNIC





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ECO 1" LED DOWNLIGHT

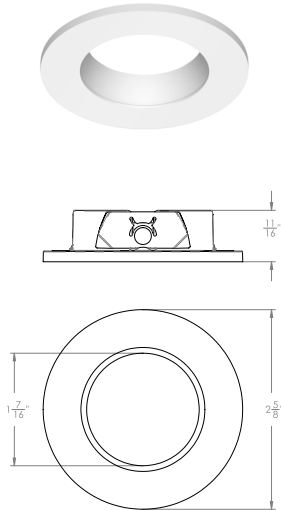
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ED1LAIC, ED1LANC, ED1LNIC, ED1LRIC
ED1SNIC

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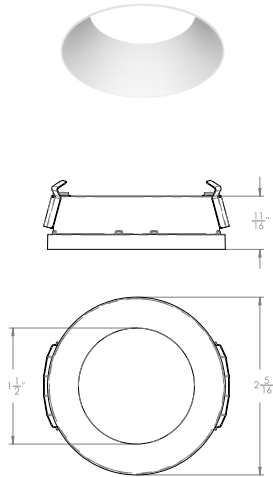
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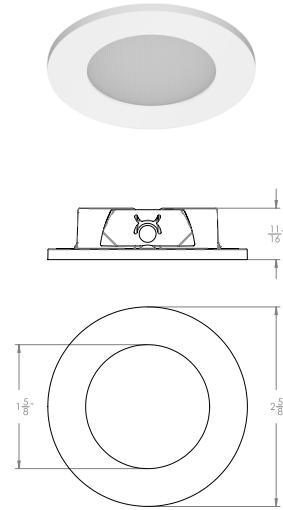
TRIM STYLES



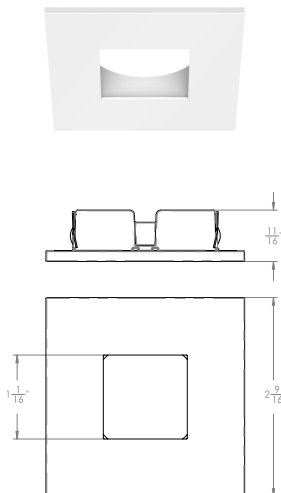
ED1-RST
Round Standard



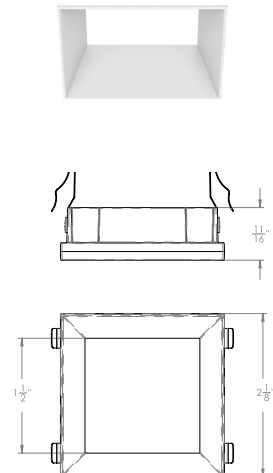
ED1-RTL
Round Trimless
Must order associated Mudplate from Trim Accessories.
Trimless Style for use with AIC, ANC, and SNIC models only.



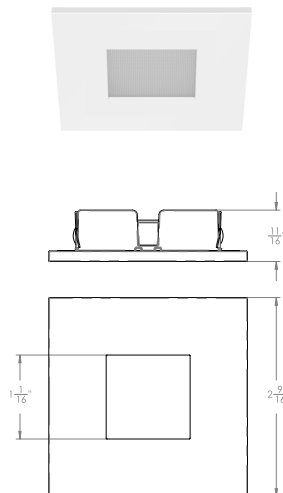
ED1-RWL
Round Wet Location



ED1-SST
Square Standard



ED1-STL
Square Trimless
Must order associated Mudplate from Trim Accessories.
Trimless Style for use with AIC, ANC, and SNIC models only.



ED1-SWL
Square Wet Location



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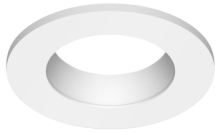
ED1AIC, ED1ANC, ED1NC, ED1RM
ED1LAIC, ED1LANC, ED1LNIC, ED1LRIC
ED1SNIC

PROJECT: _____

TYPE: _____

NOTE: _____

TRIM FINISHES



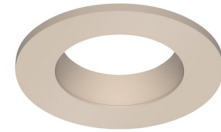
ED1-RSTWT

WT (White)



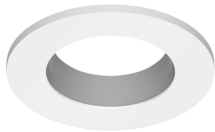
ED1-RSTBK

BK (Black)



ED1-RSTCN

CN (Champagne)



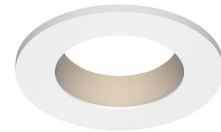
ED1-RSTSW

SW (Silver with White Flange)



ED1-RSTBW

BW (Black with White Flange)



ED1-RSTCW

CW (Champagne with White Flange)



ED1-SSTWT

WT (White)



ED1-SSTBK

BK (Black)



ED1-SSTCN

CN (Champagne)



ED1-SSTSW

SW (Silver with White Flange)



ED1-SSTBW

BW (Black with White Flange)



ED1-SSTCW

CW (Champagne with White Flange)



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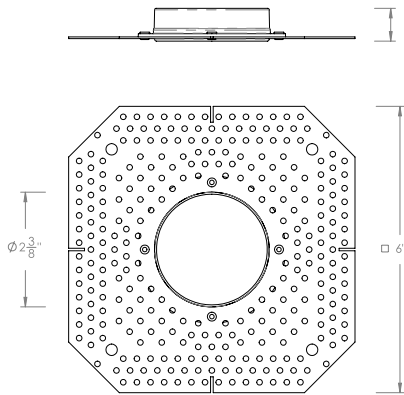
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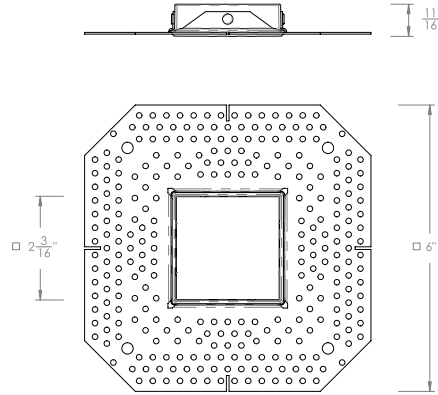
NOTE: _____

TRIM ACCESSORIES



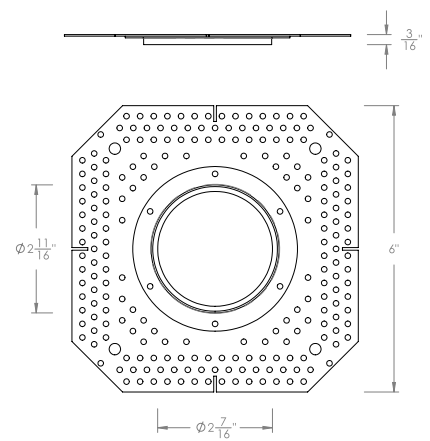
ED1-R-TL

Round Trimless Mudplate



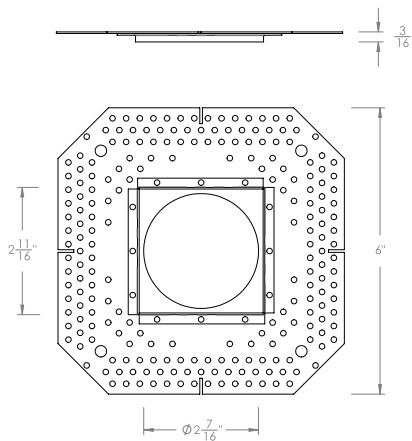
ED1-S-TL

Square Trimless Mudplate



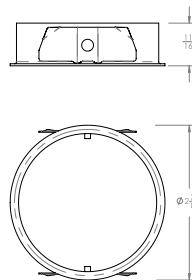
ED1-R-FMA

Round Flush Mount Adapter



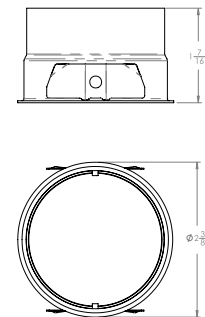
ED1-S-FMA

Square Flush Mount Adapter



ED1-TC1

Thick Ceiling Adapter
for ceilings 1 1/16" to 1 1/4"



ED1-TC2

Thick Ceiling Adapter
for ceilings 1 5/16" to 2"



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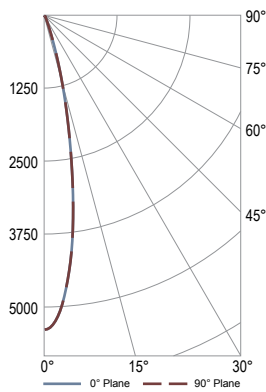
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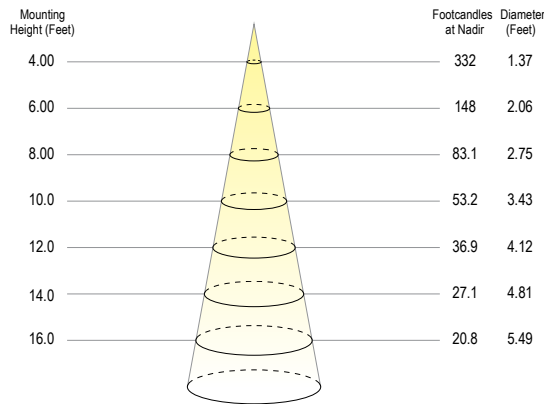
PHOTOMETRICS

Eco Downlight 1" ANC model (2700K, 90 CRI, 10° Optic, 12W)
Round, Standard, White Trim

Polar Plot



Cone of Light Tabulation



Voltage	Current	Power
120.1 VAC	0.09058 A	10.77 W

Power Factor	Frequency	Current THD
0.990	60 Hz	10.4%

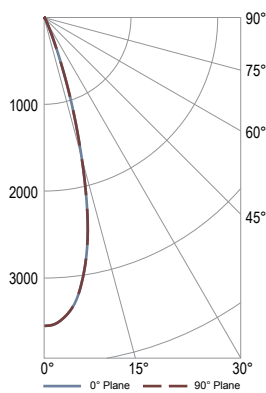
Summary of Results

Spacing Criteria Total Lumen Output: 742.1 Lumens
0-180: 0.34 Luminaire Efficacy: 68.9 lm/w
90-270: 0.34 Maximum Candela: 5316 Candela

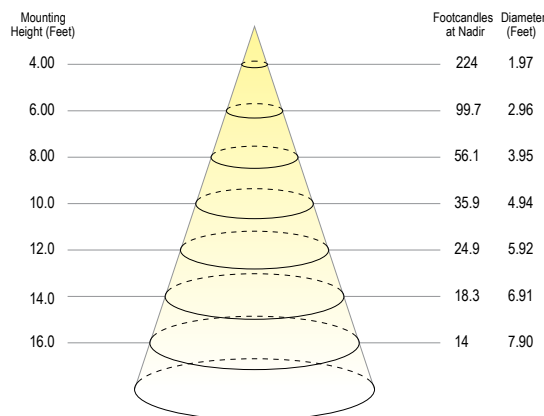
Zone	Lumens	% of Luminaire
0-40	726	97.8%
0-60	734	98.9%
0-90	742	100.0%

Eco Downlight 1" ANC model (2700K, 90 CRI, 30° Optic, 12W)
Round, Standard, White Trim

Polar Plot



Cone of Light Tabulation



Voltage	Current	Power
120.1 VAC	0.09064 A	10.77 W

Power Factor	Frequency	Current THD
0.990	60 Hz	10.4%

Summary of Results

Spacing Criteria Total Lumen Output: 843.6 Lumens
0-180: 0.49 Luminaire Efficacy: 78.3 lm/w
90-270: 0.49 Maximum Candela: 3589 Candela

Zone	Lumens	% of Luminaire
0-40	835	98.9%
0-60	839	99.5%
0-90	844	100.0%



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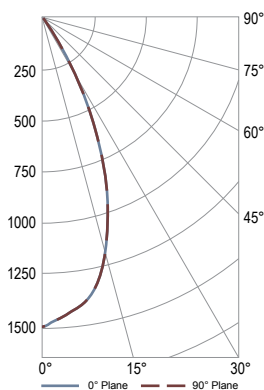
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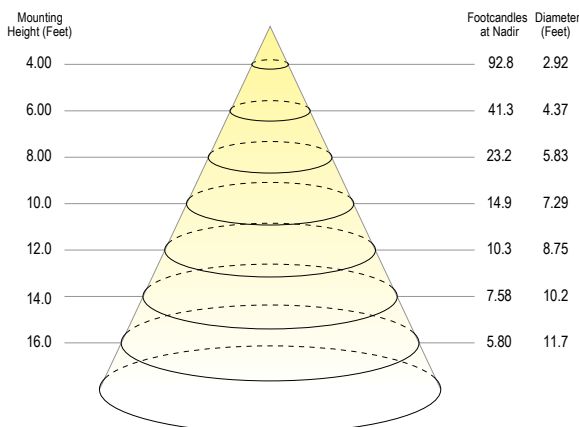
PHOTOMETRICS

Eco Downlight 1" ANC model (2700K, 90 CRI, 50° Optic, 12W)
Round, Standard, White Trim

Polar Plot



Cone of Light Tabulation



Voltage	Current	Power
120.1 VAC	0.09046 A	10.76 W

Power Factor	Frequency	Current THD
0.991	60 Hz	8.84%

Summary of Results

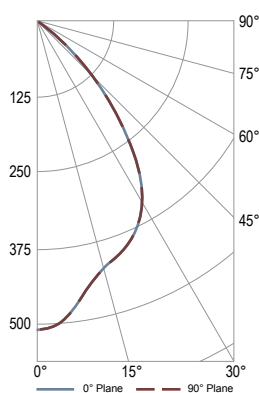
Spacing Criteria
0-180: 0.73
90-270: 0.73

Total Lumen Output: 825.0 Lumens
Luminaire Efficacy: 76.6 lm/w
Maximum Candela: 1485 Candela

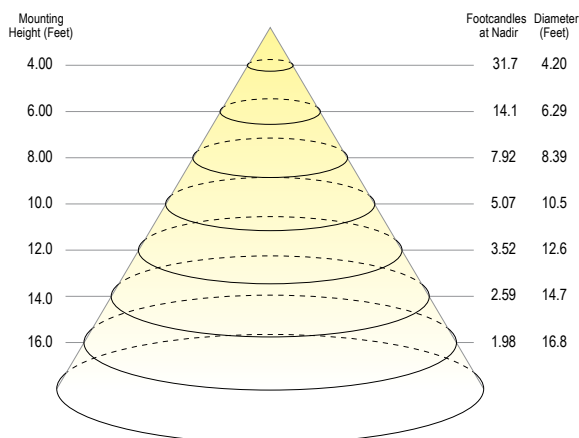
Zone	Lumens	% of Luminaire
0-40	806	97.6%
0-60	820	99.4%
0-90	825	100.0%

Eco Downlight 1" ANC model (2700K, 90 CRI, 80° Optic, 12W)
Round, Standard, White Trim

Polar Plot



Cone of Light Tabulation



Voltage	Current	Power
120.0 VAC	0.9022 A	10.73 W

Power Factor	Frequency	Current THD
0.991	60 Hz	9.02%

Summary of Results

Spacing Criteria
0-180: 1.05
90-270: 1.05

Total Lumen Output: 641.1 Lumens
Luminaire Efficacy: 59.8 lm/w
Maximum Candela: 507 Candela

Zone	Lumens	% of Luminaire
0-40	513	79.9%
0-60	629	98.1%
0-90	641	100.0%



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ED1SNIC

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FOR DRIVER TYPE "S"

Universal Dimming Driver, ED1 and ED1L

Compatible Phase Control Dimmers			
MFG	Model	MFG	Model
Lutron	LGCL-153PL	Leviton	VPE06
Lutron	DVRP-253P	Leviton	DW1KD-1BZ
Lutron	RRD-6CL	Leviton	IPE04
Lutron	NTELV-600P	Leviton	IPL06
Lutron	DVELV-303P	Cooper	SAL06P
Lutron	MAELV-600		
Lutron	PD-6WCL		
Lutron	SELV-300P		
Lutron	DVCL-153P		

Compatible dimmer information provided by the dimming driver manufacturer

Compatible 0-10VDC Dimmers	
MFG	Model
Lutron	NFTV
Lutron	DVTV
Lutron	DVSTV
Leviton	IP710-LFZ
Lightolier	SR1200ZTUNV
Cooper	SF10P-W
Leviton	IP710-DL

Compatible dimmer information provided by the dimming driver manufacturer



SPEC-00271 UPDATED 08/11/2021

ECO 1" LED DOWNLIGHT

ED1AIC, ED1ANC, ED1NC, ED1RM
ED1LAIC, ED1LANC, ED1LNIC, ED1LRIC
ED1SNIC

PROJECT: _____

TYPE: _____

NOTE: _____

FOR DRIVER TYPE "A1"

Phase Control Dimming Driver, ED1S only

Compatible Phase Control Dimmers	
MFG	Model
Leviton	6684
Leviton	RP106
Leviton	IP106
Leviton	6615
Lutron	NTLV-600
Lutron	DV-103P
Lutron	S-600P
Lutron	DVCL-153P

Compatible dimmer information provided by the dimming driver manufacturer