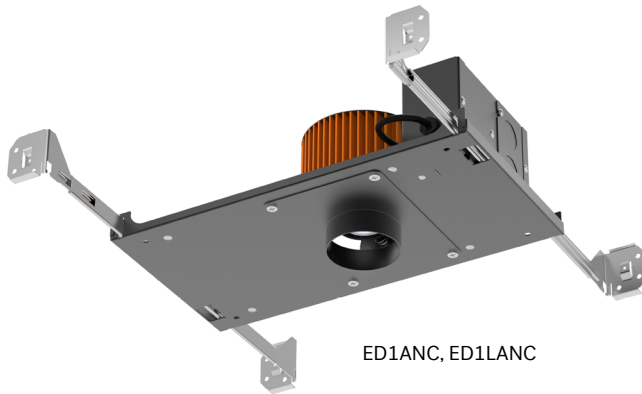
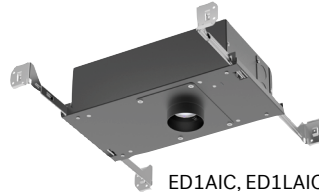


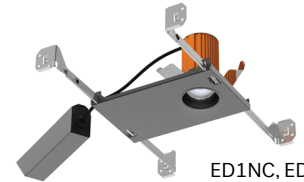
ECO 1" LED DOWNLIGHT



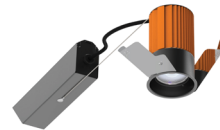
ED1ANC, ED1LANC



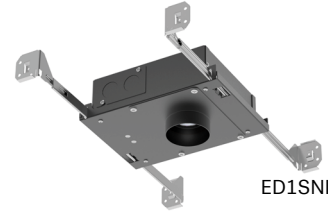
ED1AIC, ED1LAIC



ED1NC, ED1LNIC



ED1RM, ED1LRIC



ED1SNIC

LED LIGHT ENGINE

RATED WATTAGES	13.3W, 9.6W, 8.7W
DELIVERED LUMENS	Up to 1110 lm
EFFICACY	Up to 103 LPW
CCT @ 90CRI	2700K, 3000K, 3500K, 4000K, Warm Dim
COLOR QUALITY	90+ CRI, 2-Step SDCM
LED LIFETIME	55,000 hours @ L90

DELIVERED LUMENS MATRIX

ED1 (9.6W)	10° OPTIC	30° OPTIC	50° OPTIC	80° OPTIC
2700K (90CRI)	742 lm	888 lm	835 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

ED1 NIC, RIC (8.7W)	10° OPTIC	30° OPTIC	50° OPTIC	80° OPTIC
Warm Dim (98 CRI, R9>90)	383 lm	466 lm	466 lm	386 lm

ED1 AIC, ANC (13.3W)	10° OPTIC	30° OPTIC	50° OPTIC	80° OPTIC
Warm Dim (98 CRI, R9>90)	543 lm	661 lm	661 lm	548 lm

ED1L (8.7W)	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

ED1S (9.6W)	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
Warm Dim (98 CRI, R9>90)	423 lm	515 lm	516 lm	427 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 and 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

- 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)

LISTING/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)



ECO 1" LED DOWNLIGHT

ORDER MATRIX

ED1

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

HOUSING BASE		LED PERFORMANCE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED1 ECO 1"	AIC Adjustable New Construction, IC, CCEA	-27 2700K	90 90 CRI	50 50° Flood Installed	-12 9.6W	S ³ Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV. 120V/277V)
	ANC Adjustable New Construction	-30 3000K		10°, 30°, 80° optics available from the Additional Optics Accessories table below		
	NC New Construction	-35 3500K				
	RM Remodel	-40 4000K				

FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED1 ECO 1" Warm Dim	AIC¹ Adjustable New Construction, IC, CCEA	-WD¹ 1800K-3000K Warm Dim	98 98 CRI Warm Dim	50 50° Flood Installed	-10¹ 8.7W NIC or RIC Installation Type Only	S³ Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV. 120V/277V)
	ANC¹ Adjustable New Construction			10°, 30°, 80° optics available from the Additional Optics Accessories table below		
	NIC¹ New Construction IC				-14^{1,2} 13.3W AIC or ANC Installation Type Only	
	RIC¹ Remodel IC					

1. AIC or ANC Installation Type and Wttage Code - 14.
NIC or RIC Installation Type and Wttage Code - 10.

2. Wattage Code - 14 Title 24 JA-8 compliant only with 30° or 50° optic installed.
3. TRIAC, ELV dimming for 120V only.

ED1L

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

HOUSING BASE		LED PERFORMANCE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED1L ECO 1" LPD	AIC Adjustable New Construction, IC, CCEA	-27 2700K	90 90 CRI	50 50° Flood Installed	-10 8.7W	S ¹ Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV, 120V/277V)
	ANC Adjustable New Construction	-30 3000K	10°, 30°, 80° optics available from the Additional Optics Accessories table below			
	NIC New Construction IC	-35 3500K				
	RIC Remodel IC	-40 4000K				

1. TRIAC, ELV dimming for 120V only.

ED1S

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

HOUSING BASE		LED PERFORMANCE				DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT		CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED1S ECO 1" Shallow	NIC Shallow Plenum New Construction, IC, CCEA	-27	2700K	90 90 CRI	50 50° Flood Installed	-12 9.6W	A1 Phase Control Dimming Driver (5%-100% TRIAC, ELV. 120V)
		-30	3000K		10°, 30°, 80° optics available from the Additional Optics Accessories table below		
		-35	3500K				
		-40	4000K				
ED1S ECO 1" Shallow Warm Dim	NIC Shallow Plenum New Construction, IC, CCEA	-WD 1800K-3000K Warm Dim		98 98 CRI Warm Dim	50 50° Flood Installed	-12 9.6W	A1 Phase Control Dimming Driver (5%-100% TRIAC, ELV. 120V)

ECO 1" LED DOWNLIGHT

ORDER MATRIX

TRIMMED (FLANGED)

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

FAMILY APERTURE	TRIM SHAPE	TRIM STYLE	TRIM FINISH	
ED1- ECO 1" Flanged	R Round	ST Standard	WT White	BW ¹ Black w/White Flange
	S Square	WL Wet Location	BK Black	SW ¹ Silver w/White Flange
			CN Champagne	CW ¹ Champagne w/White Flange

1. Color option available in ST (Standard) style only

TRIMLESS KIT (REFLECTOR + MUD PLATE)

ECO 1" DOWNLIGHT TRIMLESS ORDER MATRIX (Example: ED1-KRSTWT)

FAMILY APERTURE	KIT	REFLECTOR SHAPE	REFLECTOR STYLE	TRIM FINISH
ED1- ECO 1" Trimless	K (Reflector and Mudplate Kit)	R Round	ST AIC (Adjustable IC), ANC (Adjustable Non-IC), SNIC (Shallow) housing types only	WT White
		S ¹ Square	RM NC (Fixed), RM (Remodel) housing types only	BK Black
				CN Champagne

1. S (Square) not available for RM Reflector Style.

TRIMLESS REFLECTOR

ECO 1" DOWNLIGHT TRIMLESS ORDER MATRIX (Example: ED1-RTLWT or ED1-RRMTLWT)

FAMILY APERTURE	UNKITTED	TRIM SHAPE	TRIM STYLE	TRIM FINISH
ED1- ECO 1" Trimless	(Blank)	R Round	TL AIC (Adjustable IC), ANC (Adjustable Non-IC), SNIC (Shallow)	WT White
		S ¹ Square	RMTL NC (Fixed), RM (Remodel)	BK Black
				CN Champagne

1. S (Square) not available for RM Reflector Style.
 * Trimless Reflector Only. Order corresponding Trimless Mud Plate.

TRIMLESS MUD PLATE

ECO 1" DOWNLIGHT MUD PLATE ORDER MATRIX (Example: ED1-R-TL or ED1-RRMTL)

FAMILY APERTURE	UNKITTED	TRIM SHAPE	TRIM STYLE
ED1- ECO 1" Trimless	(Blank)	R Round	TL AIC (Adjustable IC), ANC (Adjustable Non-IC), SNIC (Shallow)
		S ¹ Square	RMTL NC (Fixed), RM (Remodel)

1. S (Square) not available for RMTL Mud Plate.
 * Trimless Mud Plate Only. Order corresponding Trimless Reflector

Project:

Type:

Note:

ECO 1" LED DOWNLIGHT

ORDER MATRIX

ACCESSORIES

ECO 1" ACCESSORIES FOR ECO, ED1, ED1L, ED1S

ADDITIONAL OPTICS		OPTICAL MEDIA		EMERGENCY OPTIONS	
ED1-10-OPTIC¹	10° Spot	ED1-CL	Clear Lens	EM-1000	25W Remote Inverter
ED1-30-OPTIC¹	30° Narrow Flood	ED1-MP¹	Solite Lens	EM-1002	10W Remote EM Driver
ED1-50-OPTIC¹	50° Flood	ED1-FR²	Frosted Lens	EM-1003-CA	35W Remote Inverter, Title 20
ED1-80-OPTIC²	80° Wide Flood	ED1-LS	Linear Spread Lens	EM-1004	50W Remote Inverter
		ED1-HEX³	Hex Louver	EM-1006	25W Remote Inverter, Title 20
		ED1-MHLDR⁴	Media Holder		

1. WD with 10°, 30°, 50° Optic requires MP (Solite Lens).

2. WD with 80° Optic requires FR (Frosted Lens).

3. MHLDR required when using a Hex Louver

4. MHLDR required when ordering any optical media and only compatible with AIC, LAIC, ANC, LANC & SNIC

TRIM ACCESSORIES

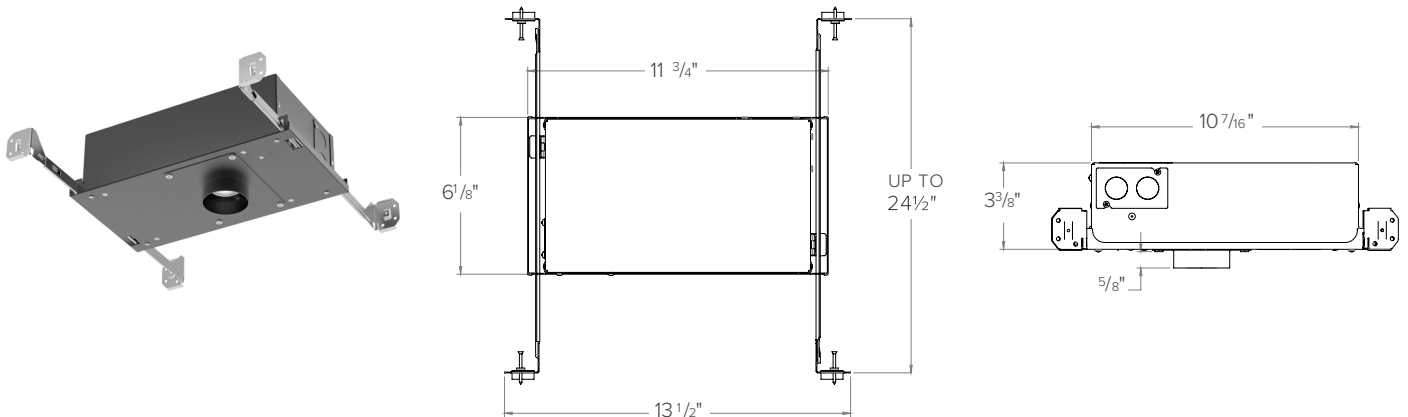
ECO 1" TRIM ACCESSORIES ORDER MATRIX (Example: ED1-R-TL)

FAMILY APERTURE		STYLE	
ED1-	ECO 1"	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"

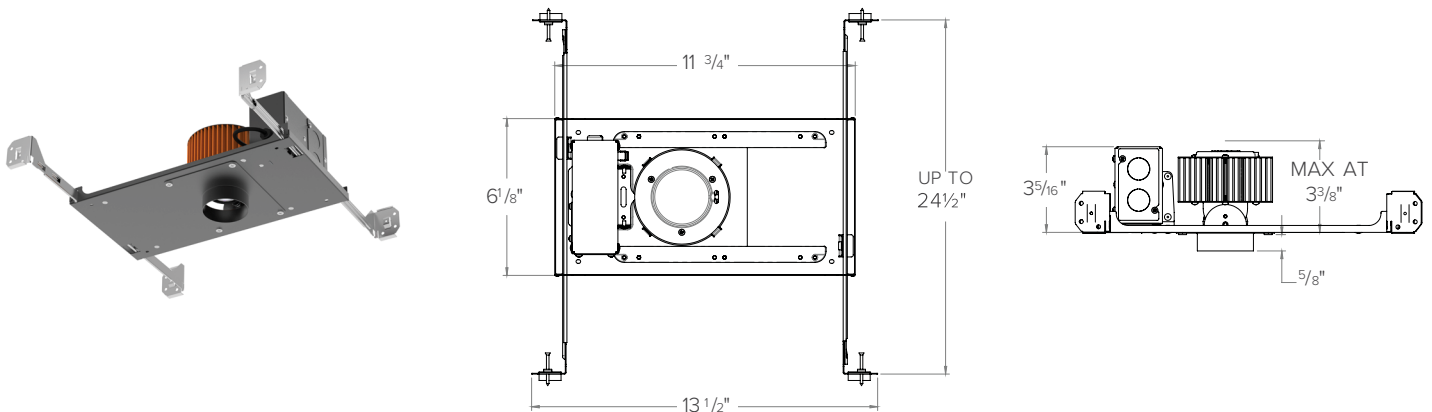
ECO 1" LED DOWNLIGHT

HOUSING AND LIGHT ENGINE LINE DRAWINGS

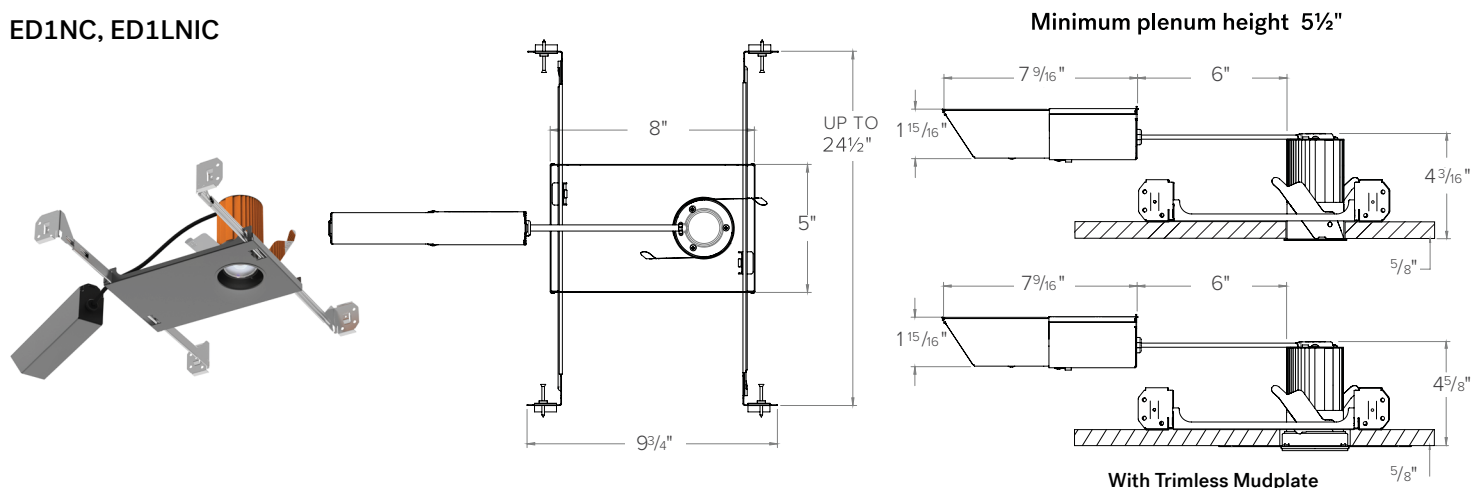
ED1AIC, ED1LAIC



ED1ANC, ED1LANC



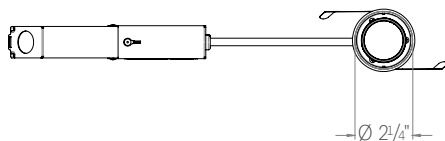
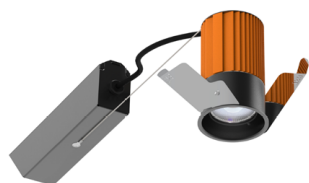
ED1NC, ED1LNC



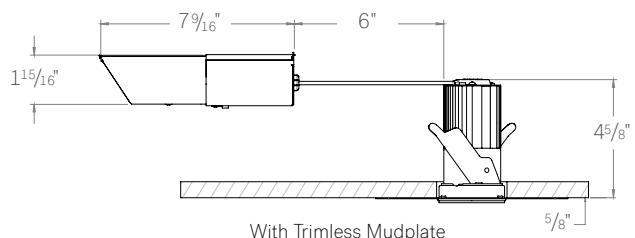
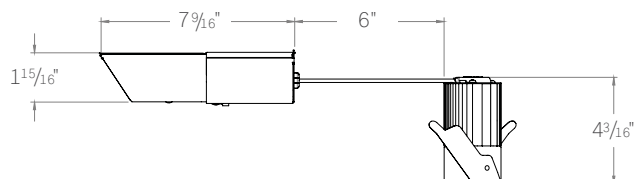
ECO 1" LED DOWNLIGHT

HOUSING AND LIGHT ENGINE LINE DRAWINGS

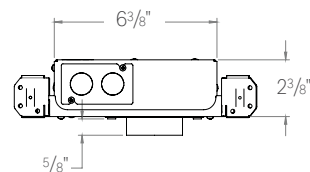
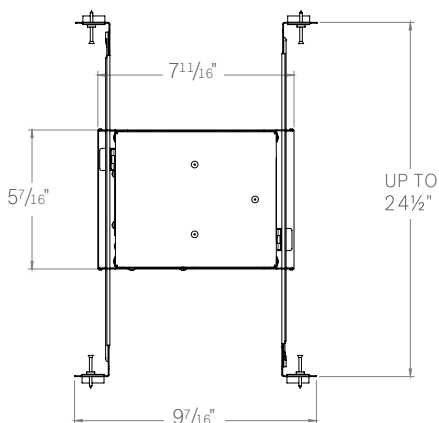
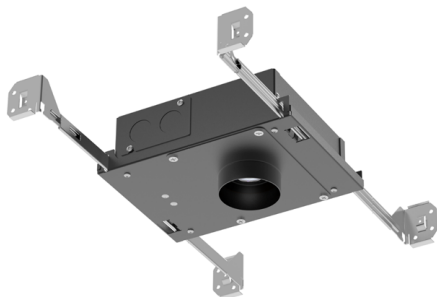
ED1RM, ED1LRIC



Minimum plenum height 5 1/2"

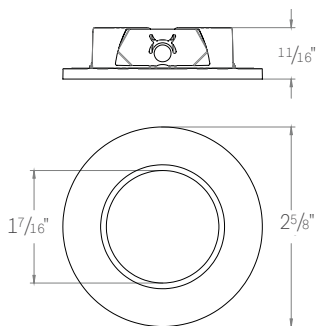
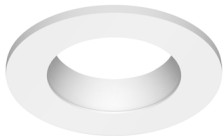


ED1SNIC

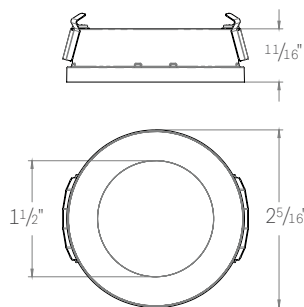


ECO 1" LED DOWNLIGHT

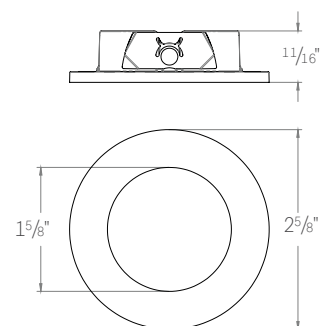
TRIM STYLES



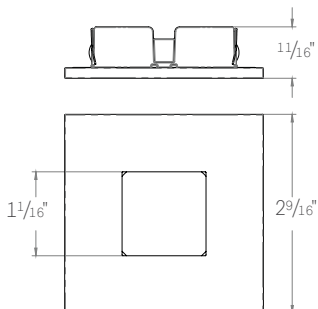
ED1-RST
ROUND STANDARD TRIM



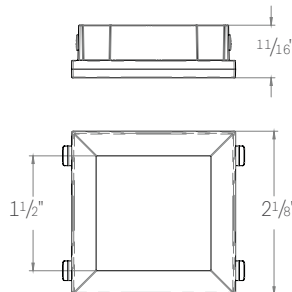
ED1-RTL
ROUND TRIMLESS



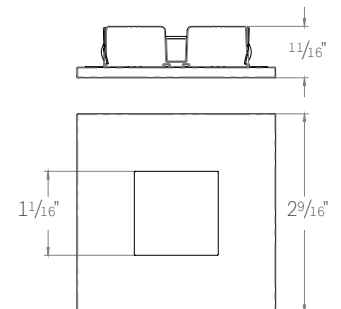
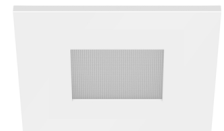
ED1-RWL
ROUND WET LOCATION



ED1-SST
SQUARE STANDARD TRIM



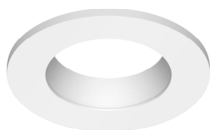
ED1-STL
SQUARE TRIMLESS
Trimless Style for use with AIC, ANC, and SNIC models only.



ED1-SWL
SQUARE WET LOCATION

ECO 1" LED DOWNLIGHT

TRIM FINISHES



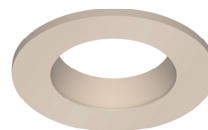
ED1-RSTWT

WT White Reflector with White Trim



ED1-RSTBK

BK Black Reflector with Black Trim



ED1-RSTCN

CN Champagne Reflector with Champagne Trim



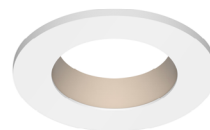
ED1-RSTSW

SW Silver Reflector with White Trim



ED1-RSTBW

BK Black Reflector with White Trim



ED1-RSTCW

CN Champagne Reflector with White Trim



ED1-SSTWT

WT White Reflector with White Trim



ED1-SSTBK

BK Black Reflector with Black Trim



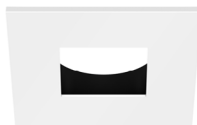
ED1-SSTCN

CN Champagne Reflector with Champagne Trim



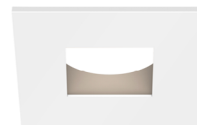
ED1-SSTSW

SW Silver Reflector with White Trim



ED1-SSTBW

BW Black Reflector with White Trim

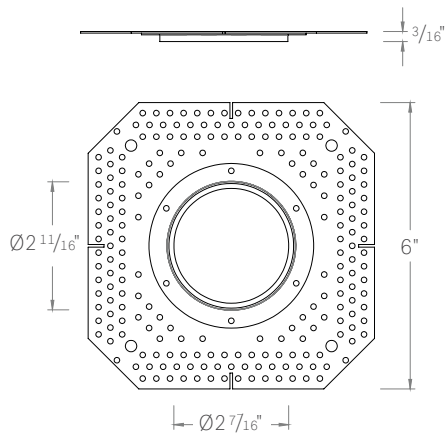


ED1-SSTCW

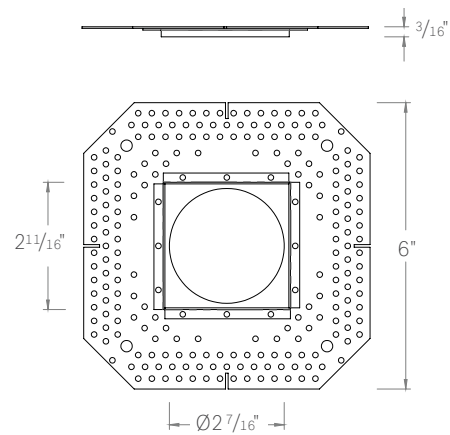
CW Champagne Reflector with White Trim

ECO 1" LED DOWNLIGHT

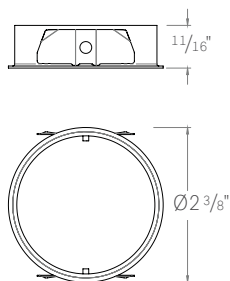
ACCESSORIES



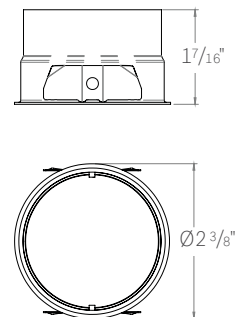
ED1-R-FMA
ROUND FLUSH MOUNT ADAPTER



ED1-S-FMA
SQUARE FLUSH MOUNT ADAPTER



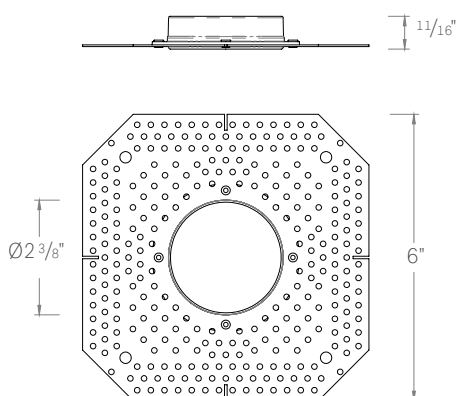
ED1-TC1
THICK CEILING ADAPTER
For ceilings 1-1/16" to 1-1/4"



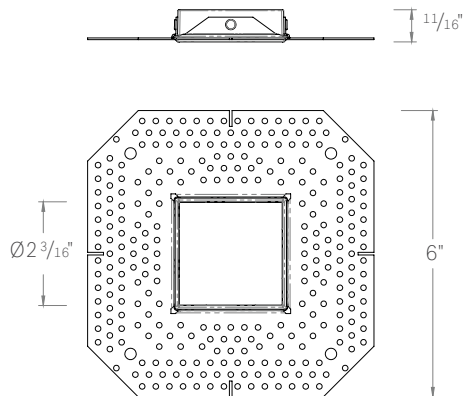
ED1-TC2
THICK CEILING ADAPTER
For ceilings 1-5/16" to 2"

ECO 1" LED DOWNLIGHT

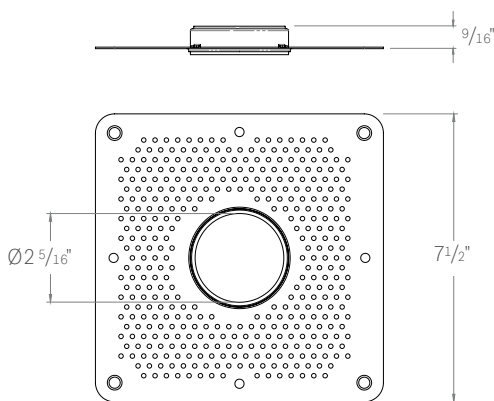
TRIMLESS ACCESSORIES



ED1-R-TL
ROUND TRIMLESS MUDPLATE
For use with AIC, ANC, SNIC housings only



ED1-S-TL
SQUARE TRIMLESS MUDPLATE
For use with AIC, ANC, SNIC housings only



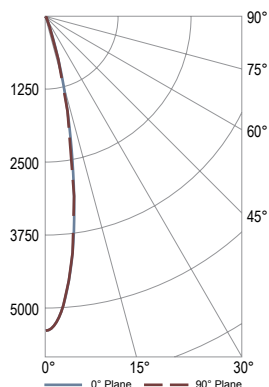
ED1-R-RMTL
ROUND TRIMLESS MUDPLATE
For use with NC, NIC, RM, RIC housings only

ECO 1" LED DOWNLIGHT

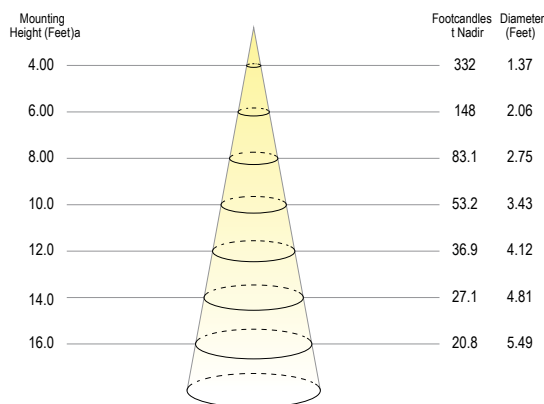
PHOTOMETRICS

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	10.77W

POWER FACTOR	FREQUENCY	CURRENT THD
0.990	60 Hz	10.4%

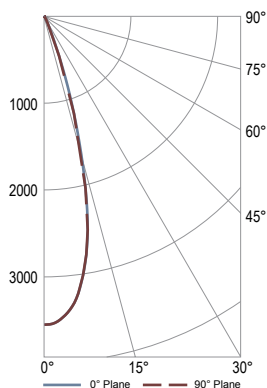
Summary of Results

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

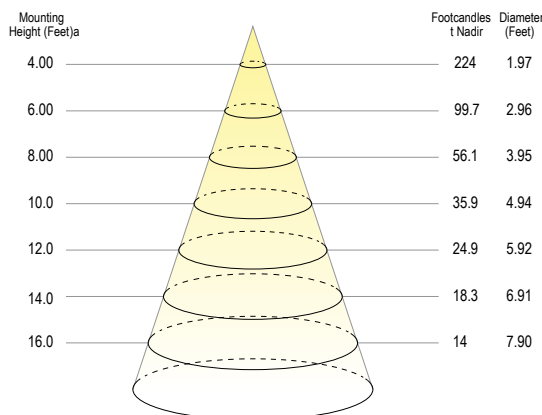
ZONE	LUMENS	% OF LUMINAIRE
0-40	726	97.8%
0-60	734	98.9%
0-90	742	100.0%

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	10.77W

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

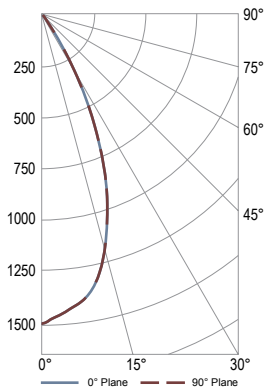
ZONE	LUMENS	% OF LUMINAIRE
0-40	835	98.9%
0-60	839	99.5%
0-90	844	100.0%

ECO 1" LED DOWNLIGHT

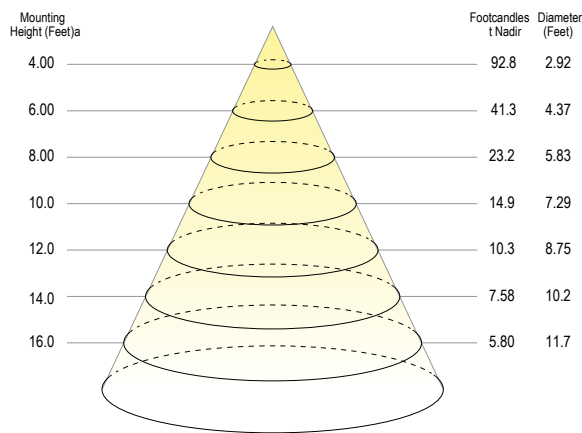
PHOTOMETRICS

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	10.76W

POWER FACTOR	FREQUENCY	CURRENT THD
0.991	60 Hz	8.84%

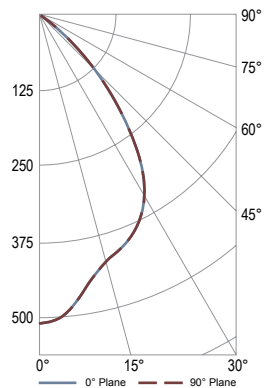
Summary of Results

Spacing Criteria	Total Lumen Output:	825.0 Lumens
0-180: 0.73	Luminaire Efficacy:	76.6 lm/w
90-270: 0.73	Maximum Candela:	1485 Candela

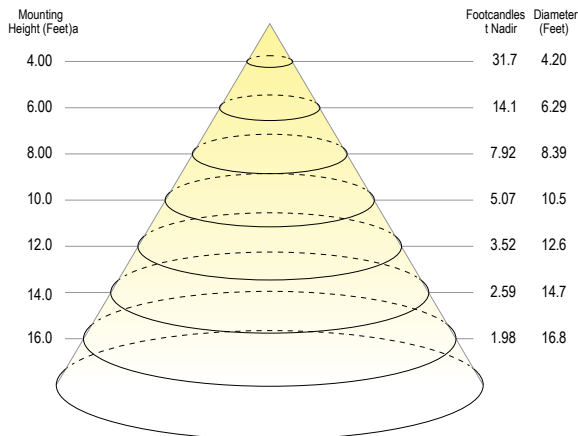
ZONE	LUMENS	% OF LUMINAIRE
0-40	806	97.6%
0-60	820	99.4%
0-90	825	100.0%

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	10.73W

POWER FACTOR	FREQUENCY	CURRENT THD
0.991	60 Hz	9.02%

Summary of Results

Spacing Criteria	Total Lumen Output:	641.1 Lumens
0-180: 1.05	Luminaire Efficacy:	59.8 lm/w
90-270: 1.05	Maximum Candela:	507 Candela

ZONE	LUMENS	% OF LUMINAIRE
0-40	513	79.9%
0-60	629	98.1%
0-90	641	100.0%

ECO 1" LED DOWNLIGHT

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-153-P		

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

FOR DRIVER TYPE "A1"

Phase Control Dimming Driver, ED1S only

COMPATIBLE PHASE CONTROL DIMMERS

MFG	MODEL
Leviton	6684
Leviton	RP106
Leviton	1P106
Leviton	6615
Lutron	NTLV-600
Lutron	DV-103P
Lutron	S-600P
Lutron	DVCL-153-P

Compatible dimmer information provided by the dimming driver manufacturer