



SPEC-00273 UPDATED 08/11/2021

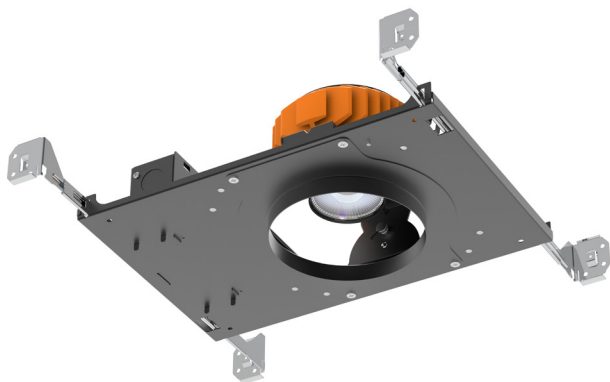
ECO 5" LED DOWNLIGHT

ED5AIC, ED5ANC, ED5NC, ED5RM
ED5LAIC, ED5LANC, ED5LNIC, ED5LRIC
ED5SNIC

PROJECT: _____

TYPE: _____

NOTE: _____



ECO FULL SERVICE RECESSED DOWNLIGHT SOLUTIONS

ED5 – Up to 2657 Delivered Lumens, Universal Dimming Driver

ED5L – Up to 1575 Delivered Lumens, Phase Control Driver

ED5S – Shallow Plenum, Up to 2282 Delivered Lumens, Universal Dimming Driver

LED LIGHT ENGINE

RATED WATTAGE	30W, 25W, 16W
DELIVERED LUMENS	Up to 2657 lm
EFFICACY	Up to 104 LPW
CCT @ 90CRI	2700K, 3000K, 3500K, 4000K
COLOR QUALITY	90+ CRI, 2-Step SDCM
LED LIFETIME	55,000 hours @ L90

DELIVERED LUMENS MATRIX

ED5 (29.5W)	10° optic	30° optic	50° optic	80° optic
2700K (90CRI)	2275 lm	2403 lm	2139 lm	1624 lm
3000K (90CRI)	2458 lm	2597 lm	2311 lm	1755 lm
3500K (90CRI)	2516 lm	2657 lm	2366 lm	1796 lm
4000K (90CRI)	2590 lm	2735 lm	2435 lm	1849 lm

ED5S (24.0W)	10° optic	30° optic	50° optic	80° optic
2700K (90CRI)	1953 lm	2063 lm	1836 lm	1394 lm
3000K (90CRI)	2110 lm	2229 lm	1984 lm	1507 lm
3500K (90CRI)	2160 lm	2282 lm	2031 lm	1542 lm
4000K (90CRI)	2223 lm	2348 lm	2090 lm	1587 lm

ED5L (15.1W)	10° optic	30° optic	50° optic	80° optic
2700K (90CRI)	1348 lm	1424 lm	1268 lm	963 lm
3000K (90CRI)	1457 lm	1539 lm	1370 lm	1040 lm
3500K (90CRI)	1491 lm	1575 lm	1402 lm	1065 lm
4000K (90CRI)	1535 lm	1621 lm	1152 lm	814 lm

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

SILENT VU™ OPTICS TECHNOLOGY

OPTICS	50° Installed, 10°, 30°, 80° available
ADJUSTABLE	0° to 45° 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
- Wall Wash
- 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 ASTM E283 Certified Airtight (AIC/NIC/RIC/SNIC Models)
UL Listed for Damp Location (All Styles) UL Listed for Wet Location (Wet Location Trim Style)
IC Rated and Non IC Rated Available CCEA (Chicago Plenum) Approved (AIC/SNIC Models)
Five (5) years limited warranty CA Title 24-JA8 Compliant (AIC/NIC/RIC/SNIC Models)





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ORDER MATRIX

ED5

ECO 5" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED5AIC-309050-30S)

HOUSING BASE		LIGHT ENGINE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED5 ECO 5"	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	-30 (30W)	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

ED5L

ECO 5" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED5LAIC-309050-16S2)

HOUSING BASE		LIGHT ENGINE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED5L ECO 5" 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	-16 (16W)	S2 Phase Control Dimming Driver (1%-100% 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

ED5S

ECO 5" HOUSING + LIGHT ENGINE ORDER MATRIX (Example: ED5SNIC-309050-25S)

HOUSING BASE		LIGHT ENGINE			DRIVER ASSEMBLY	
FAMILY APERTURE	INSTALLATION TYPE	CCT	CRI	OPTIC	WATTAGE	LED DIMMING DRIVER
ED5S ECO 5" 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	-25 (25W)	S Universal Dimming Driver (1%-100% 0-10V, TRIAC, ELV, 120V/277V)
		-30 (3000K)				
		-35 (3500K)				
		-40 (4000K)				

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

ACCESSORIES

ECO 5" ACCESSORIES FOR ECO ED5, ED5L, ED5S

ADDITIONAL OPTICS	
ED5-10-OPTIC	(10° Spot)
ED5-30-OPTIC	(30° Narrow Flood)
ED5-50-OPTIC	(50° Flood)
ED5-80-OPTIC	(80° Wide Flood)

OPTICAL MEDIA	
ED5-CL	(Clear Lens)
ED5-MP	(Solite Lens)
ED5-FR	(Frosted Lens)
ED5-LS	(Linear Spread Lens)
ED5-MHLDR¹	(Media Holder)

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

1. MHLDR required when ordering any optical media



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ORDER MATRIX**TRIM****ECO 5" DOWNLIGHT TRIM ORDER MATRIX (Example: ED5-RFSTWT)**

FAMILY APERTURE	SHAPE	POSITION	STYLE	FINISH
ED5- ECO 5"	R (Round)	F (Fixed)	ST (Standard)	WT (White)
	S (Square)	A (Adjustable)	WW ^{1,2} (Wall Wash)	BK (Black)
			WL ¹ (Wet Location)	CN (Champagne)
			TL ³ (Standard Trimless)	BW ⁴ (Black w/ White Flange)
				SW ⁴ (Silver w/ White Flange)
				CW ⁴ (Champagne w/ White Flange)

1. Use F (Fixed Position) for WW (Wall Wash) and WL (Wet Location) style.

2. WW (Wall Wash) Style Trim ships with recommended 80° optic.

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

4. Color option available in ST (Standard) Style only.

TRIM ACCESSORIES**ECO 5" TRIM ACCESSORIES ORDER MATRIX (Example: ED5-R-TL)**

SIZE	STYLE
ED5- ECO 5"	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 ¹⁵ / ₁₆ " to 2")



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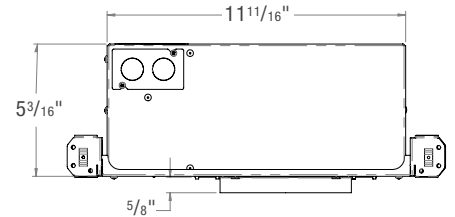
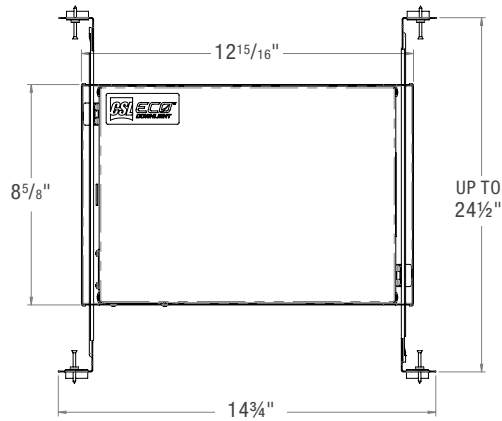
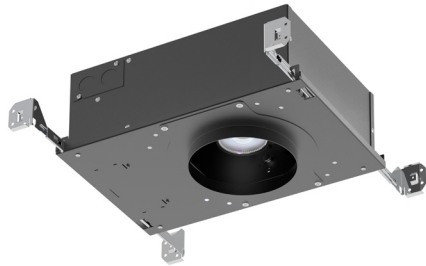
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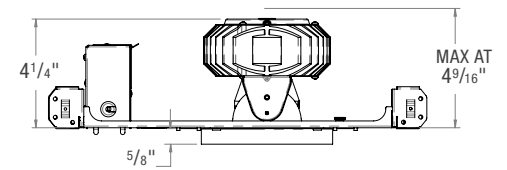
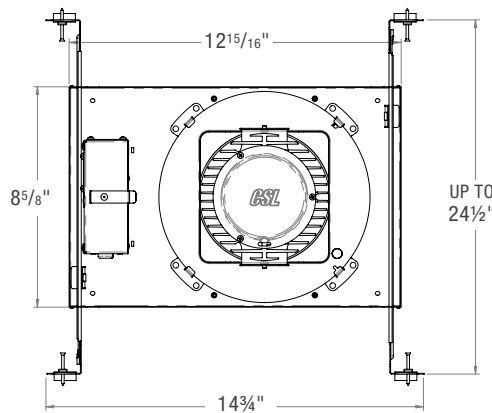
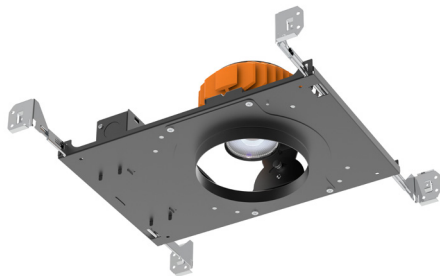
NOTE: _____

HOUSING AND LIGHT ENGINE LINE DRAWINGS

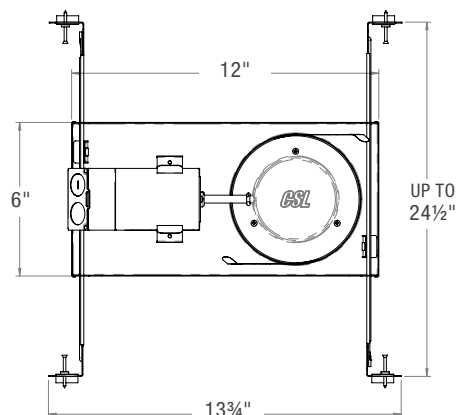
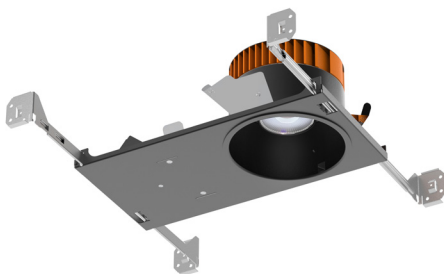
ED5AIC/ED5LAIC



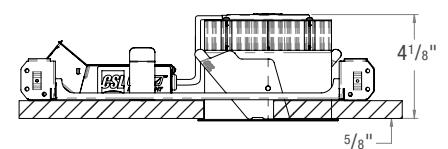
ED5ANC/ED5LANC



ED5NC/ED5LNIC



Minimum plenum height 3 1/2"





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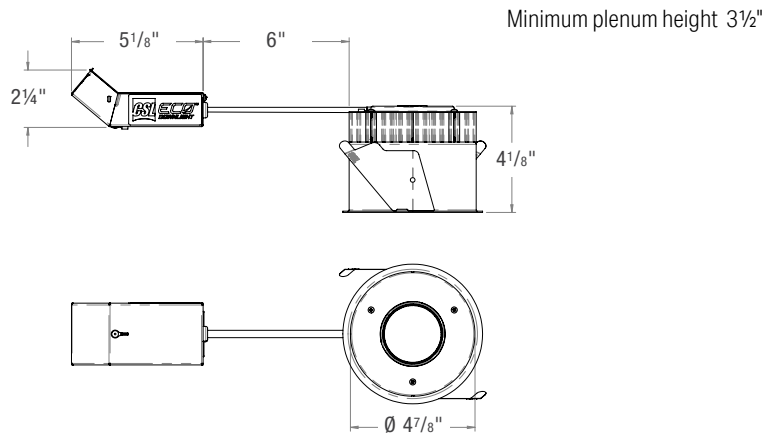
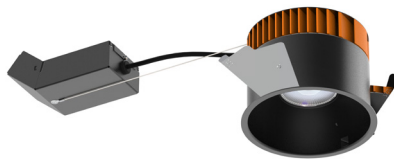
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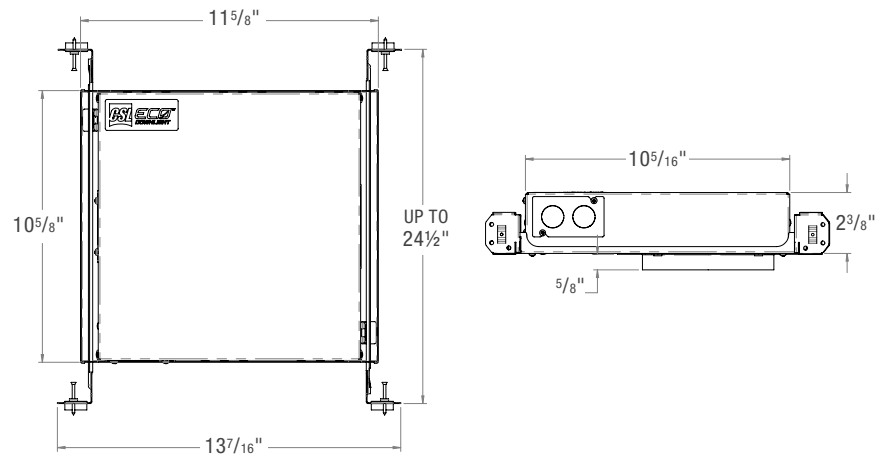
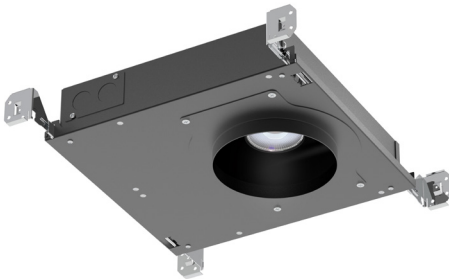
NOTE: _____

HOUSING AND LIGHT ENGINE LINE DRAWINGS

ED5RM/ED5LRIC



ED5SNIC





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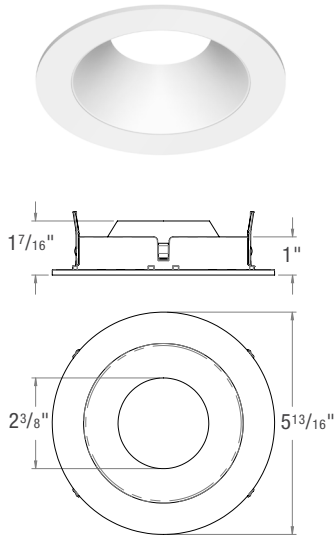
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ED5LAIC, ED5LANC, ED5LNIC, ED5LRIC
ED5SNIC

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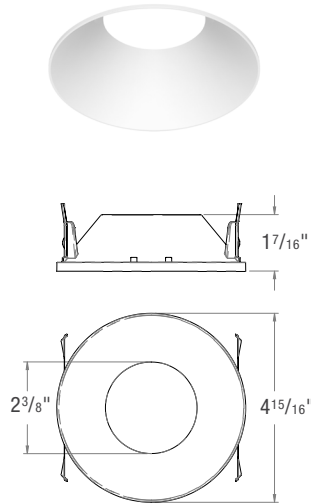
NOTE: _____

TRIM STYLES



ED5-RFST

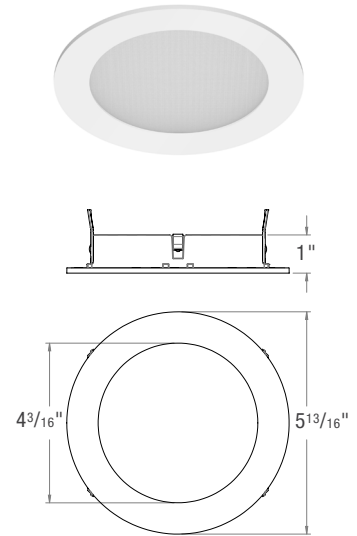
Round Fixed Standard



ED5-RFTL

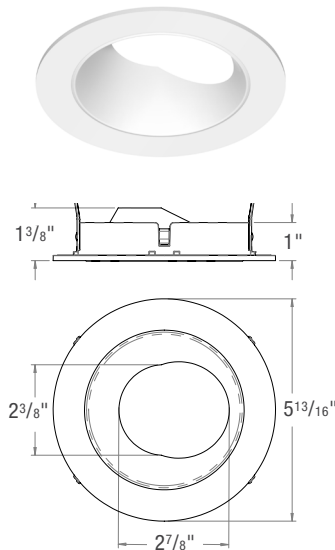
Round Fixed Trimless

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



ED5-RFWL

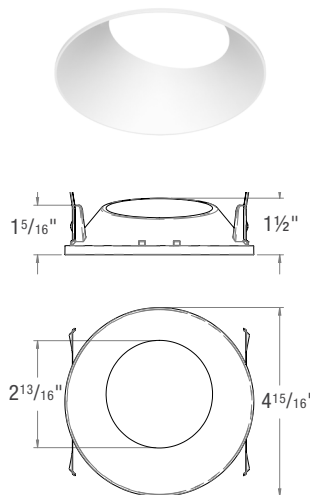
Round Wet Location



ED5-RAST

Round Adjustable Standard

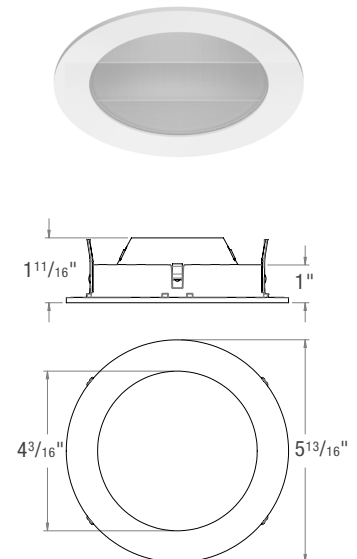
Adjustable trim styles for use
with adjustable AIC and ANC models only.



ED5-RATL

Round Adjustable Trimless

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



ED5-RFWW

Round Wall Wash



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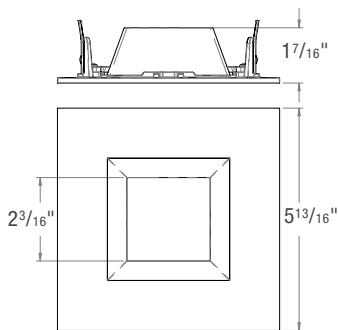
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ED5SNIC

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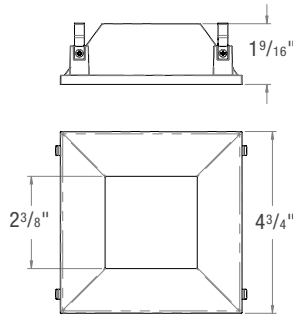
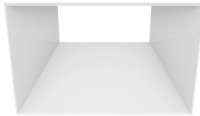
NOTE: _____

TRIM STYLES



ED5-SFST

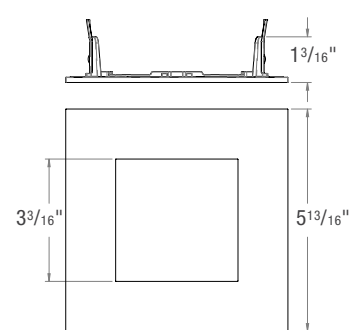
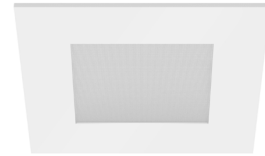
Square Fixed Standard



ED5-SFTL

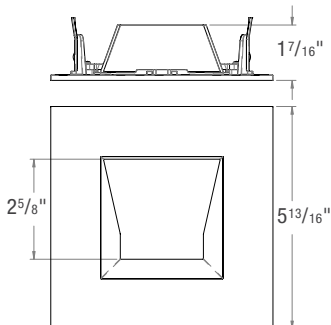
Square Fixed Trimless

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



ED5-SFWL

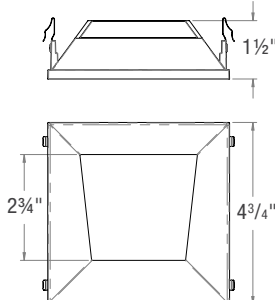
Square Wet Location



ED5-SAST

Square Adjustable Standard

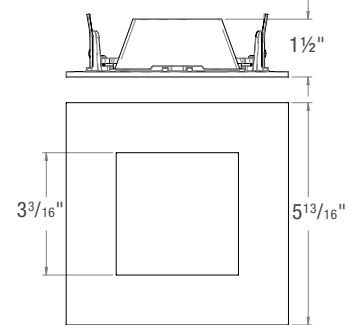
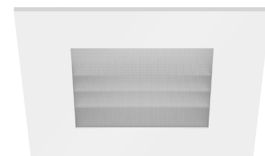
Adjustable trim styles for use
with adjustable AIC and ANC models only.



ED5-SATL

Square Adjustable Trimless

Adjustable trim styles for use with adjustable AIC
and ANC models only.
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Trimless Style for use with AIC, ANC, and SNIC models only.



ED5-SFWW

Square Wall Wash



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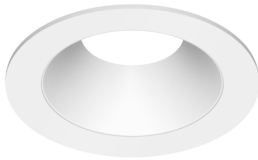
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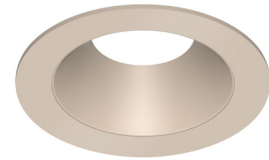
TRIM FINISHES



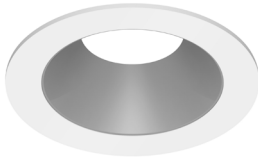
ED5-RFSTWT
WT (White)



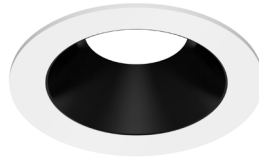
ED5-RFSTBK
BK (Black)



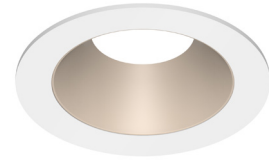
ED5-RFSTCN
CN (Champagne)



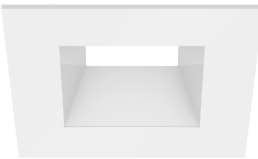
ED5-RFSTSW
SW (Silver with White Flange)



ED5-RFSTBW
BW (Black with White Flange)



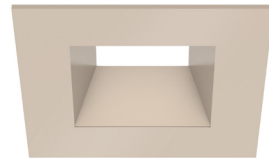
ED5-RFSTCW
CW (Champagne with White Flange)



ED5-SFSTWT
WT (White)



ED5-SFSTBK
BK (Black)



ED5-SFSTCN
CN (Champagne)



ED5-SFSTSW
SW (Silver with White Flange)



ED5-SFSTBW
BW (Black with White Flange)



ED5-SFSTCW
CW (Champagne with White Flange)



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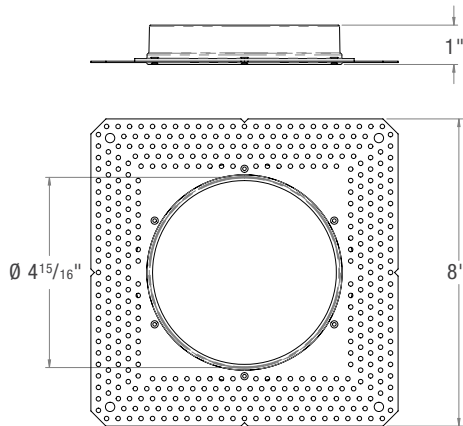
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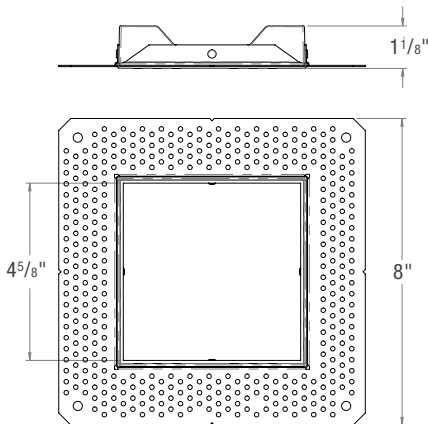
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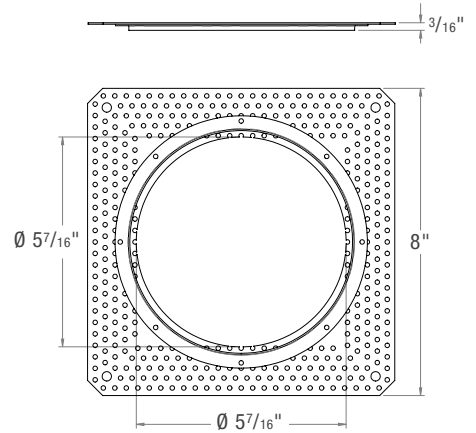
TRIM ACCESSORIES



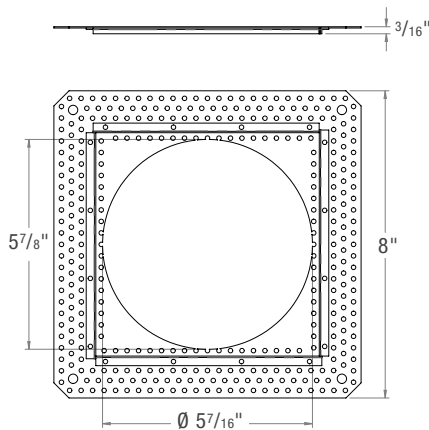
ED5-R-TL
Round Trimless Mudplate



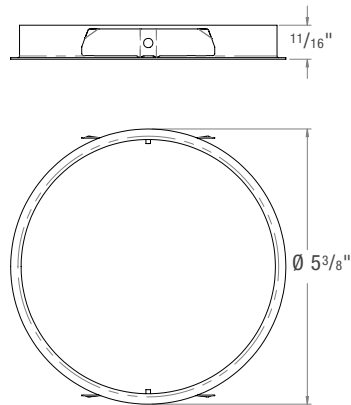
ED5-S-TL
Square Trimless Mudplate



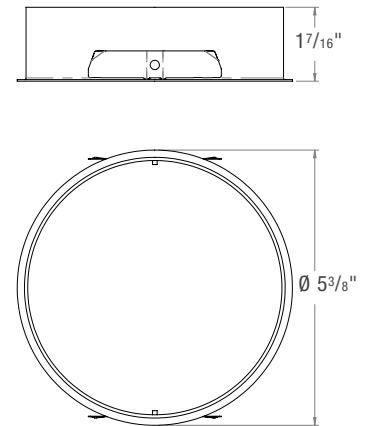
ED5-R-FMA
Round Flush Mount Adapter



ED5-S-FMA
Square Flush Mount Adapter



ED5-TC1
Thick Ceiling Adapter
for ceilings 1 1/16" to 1 1/4"



ED5-TC2
Thick Ceiling Adapter
for ceilings 1 5/16" to 2"



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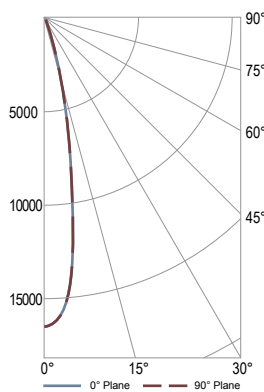
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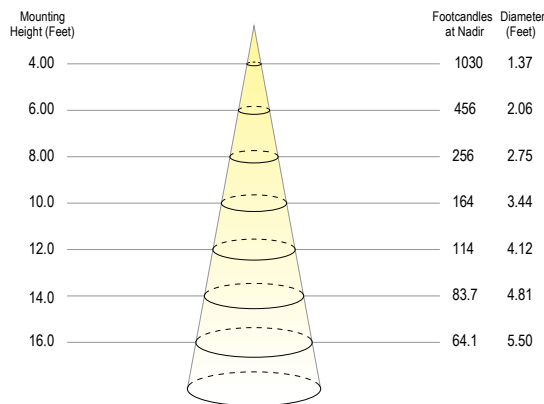
PHOTOMETRICS

Eco Downlight 5" ANC model (2700K, 90 CRI, 10° Optic, 30W)
Round, Standard, White Trim

Polar Plot



Cone of Light Tabulation



Voltage	Current	Power
120.0 VAC	0.2471 A	29.42 W

Power Factor	Frequency	Current THD
0.992	60 Hz	10.6%

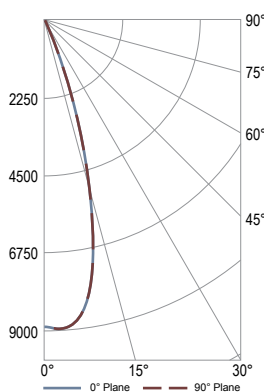
Summary of Results

Spacing Criteria Total Lumen Output: 2275 Lumens
0-180: 0.34 Luminaire Efficacy: 77.3 lm/w
90-270: 0.34 Maximum Candela: 16409 Candela

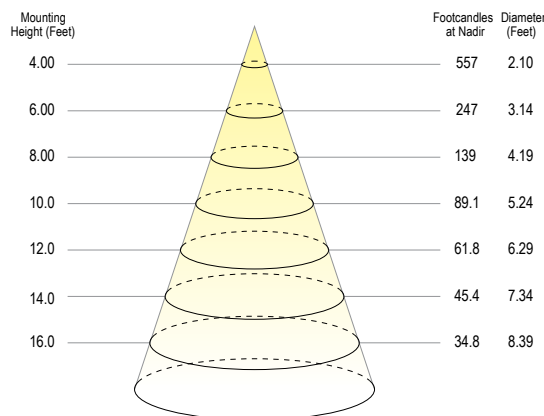
Zone	Lumens	% of Luminaire
0-40	2247	98.8%
0-60	2270	99.8%
0-90	2275	100.0%

Eco Downlight 5" ANC model (2700K, 90 CRI, 30° Optic, 30W)
Round, Standard, White Trim

Polar Plot



Cone of Light Tabulation



Voltage	Current	Power
120.0 VAC	0.2470 A	29.42 W

Power Factor	Frequency	Current THD
0.992	60 Hz	10.9%

Summary of Results

Spacing Criteria Total Lumen Output: 2321 Lumens
0-180: 0.52 Luminaire Efficacy: 78.9 lm/w
90-270: 0.52 Maximum Candela: 8973 Candela

Zone	Lumens	% of Luminaire
0-40	2292	98.7%
0-60	2316	99.8%
0-90	2321	100.0%



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ECO 5" LED DOWNLIGHTED5AIC, ED5ANC, ED5NC, ED5RM
ED5LAIC, ED5LANC, ED5LNIC, ED5LRIC
ED5SNIC

PROJECT: _____

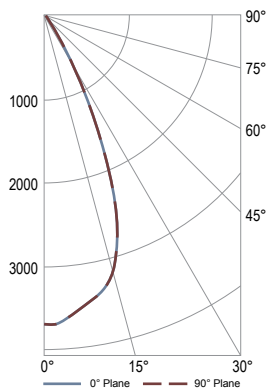
TYPE: _____

NOTE: _____

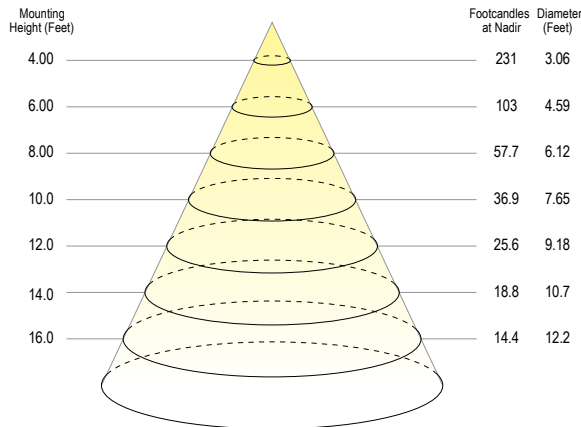
PHOTOMETRICS

Eco Downlight 5" ANC model (2700K, 90 CRI, 50° Optic, 30W)
Round, Standard, White Trim

Polar Plot



Cone of Light Tabulation



Voltage	Current	Power
120.0 VAC	0.2469 A	29.4 W

Power Factor	Frequency	Current THD
0.992	60 Hz	10.8%

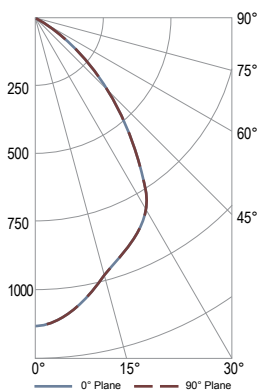
Summary of Results

Spacing Criteria **Total Lumen Output:** 2139 Lumens
0-180: 0.77 **Luminaire Efficacy:** 72.7 lm/w
90-270: 0.77 **Maximum Candela:** 3697 Candela

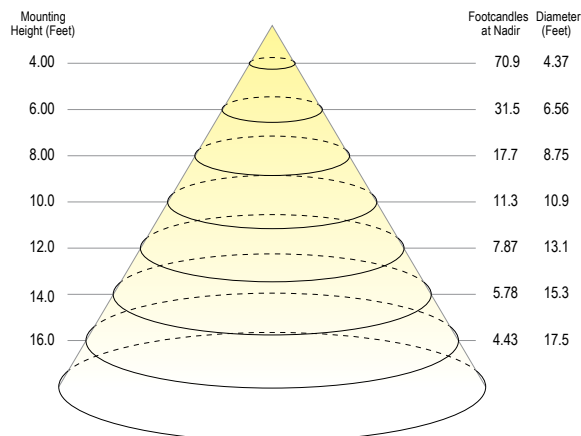
Zone	Lumens	% of Luminaire
0-40	2077	97.1%
0-60	2133	99.7%
0-90	2139	100.0%

Eco Downlight 5" ANC model (2700K, 90 CRI, 80° Optic, 30W)
Round, Standard, White Trim

Polar Plot



Cone of Light Tabulation



Voltage	Current	Power
120.0 VAC	0.2492 A	29.64 W

Power Factor	Frequency	Current THD
0.991	60 Hz	11.7%

Summary of Results

Spacing Criteria **Total Lumen Output:** 1624 Lumens
0-180: 1.09 **Luminaire Efficacy:** 54.8 lm/w
90-270: 1.09 **Maximum Candela:** 1134 Candela

Zone	Lumens	% of Luminaire
0-40	1215	74.8%
0-60	1602	98.7%
0-90	1624	100.0%



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ECO 5" LED DOWNLIGHTED5AIC, ED5ANC, ED5NC, ED5RM
ED5LAIC, ED5LANC, ED5LNIC, ED5LRIC
ED5SNIC

PROJECT: _____

TYPE: _____

NOTE: _____

FOR DRIVER TYPE "S"

Universal Dimming Driver, ED5 and ED5S

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-00273 UPDATED 08/11/2021

ECO 5" LED DOWNLIGHTED5AIC, ED5ANC, ED5NC, ED5RM
ED5LAIC, ED5LANC, ED5LNIC, ED5LRIC
ED5SNIC

PROJECT: _____

TYPE: _____

NOTE: _____

FOR DRIVER TYPE "S2"

Phase Control Dimming Driver, ED5L only

Compatible Phase Control Dimmers			
MFG	Model	MFG	Model
Lutron	S-603PG	Leviton	6631-LW
Lutron	DVCL-153P	Leviton	VPE06
Lutron	TGCL-153P	Leviton	6683-IW
Lutron	S600P	Leviton	6161
Lutron	DVELV303P	Leviton	6633-P
Lutron	SELV300P	Leviton	IPE04
Lutron	TG-600P	Cooper	DLCO3P
Lutron	LG600P	Cooper	SLCO3P
Lutron	CT103P	Cooper	DALO6P
Lutron	MAELV600	Lightolier	ZP260QEW
Lutron	FAELV500		

Compatible dimmer information provided by the dimming driver manufacturer