



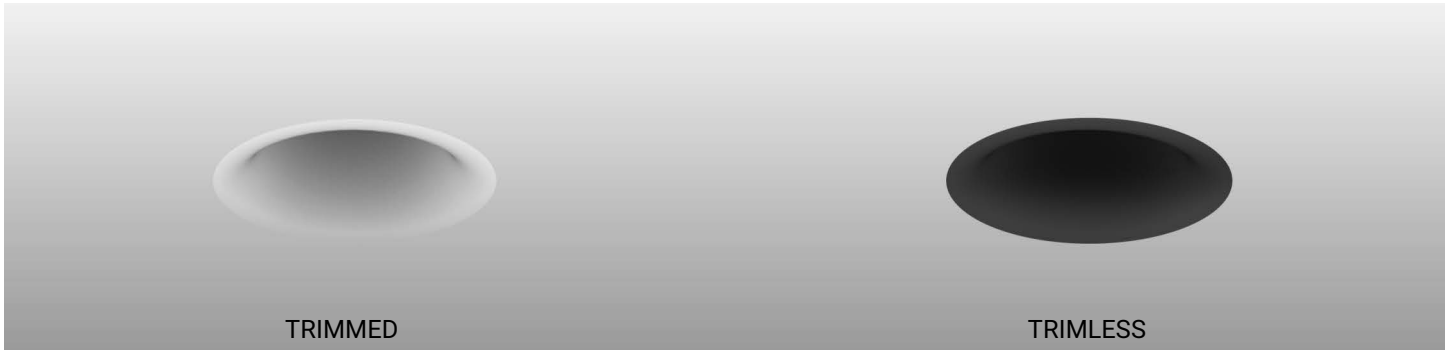
ECHO

Small Aperture Trumpet Shaped Downlight

PROJECT: _____

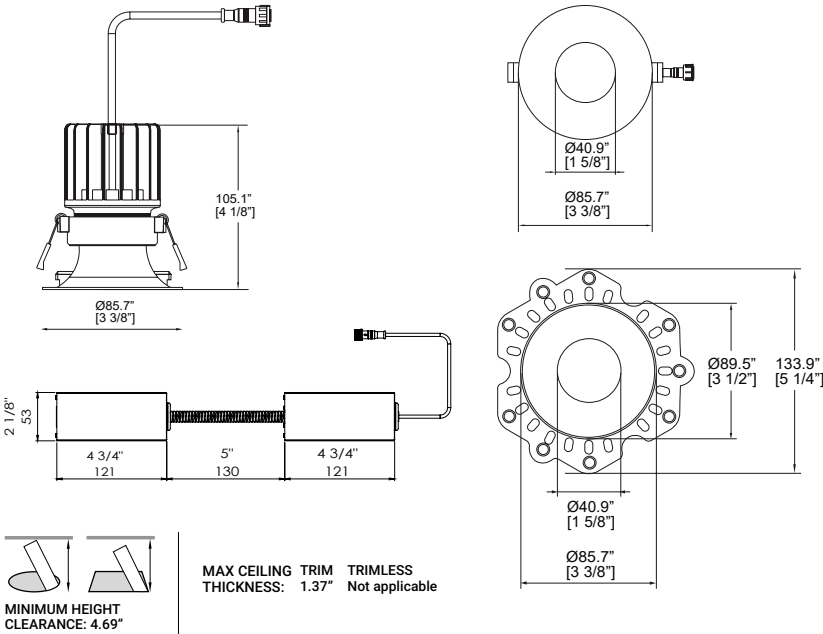
TYPE: _____ DATE: _____

NOTES: _____



FEATURES

Echo is a versatile and unique architectural grade recessed lighting collection. This family is offered in a traditional recessed design for trim or trim less installation and also as a recessed light with a ring that sits flush to the outside of the ceiling. The traditional recessed design features a trumpet shaped concave baffle that provides a peculiar soothing even glow of illumination compared to standard baffle recessed lights. The surface mount ring option brings an exotic touch as it adds dimension to the ceilings appearance and is available in different colors to match room décor. Both styles have multiple color, wattage, CCT reflector and lens options to choose from allowing for full customization to suit most residential or commercial settings.



SPECIFICATIONS

FIXTURE BODY	18 gauge powder coated steel body. Aluminum powder coated trim or trimless mesh plate
INSTALLATION TYPE	Remodel/existing ceiling N/C plate, IC Box on page 2
CUT HOLE	Trim: Ø3" Trimless: Ø3 1/4"
COLOR FINISH	Black/White/Custom
LIGHT MODULE	High output, high efficiency LED COB. Lumen Maintenance: 70%@50,000hrs
INPUT VOLTAGE	120V - 277V
WATTAGE	10W IC Rated, 15W Non-IC Rated
POWER SUPPLY	ERP 10W or 15W, Constant Current 250mA or 350mA power supply Minimum operating temperature: -30° Enclosed in a Junction box with 12" flexible cable to mate to module connector
CRI	90+
DIMMING	TRIAC/ELV/0-10V
DELIVERED LUMENS	10W, 730 Lumens & 15W, 960 Lumens, Dim to Warm: 15W, 710 Lumens
CCT OPTIONS	2700K/3000K/3500K/4000K, DTW (Dim to warm)
REFLECTORS	(N) Narrow 15°/(M) Medium 24°/(W) Wide 38°/(F) Wide Flood 50°
DIFFUSERS	(CL) Clear/(LN) Linear Spread/(HC) Honeycomb (FR) Frosted/(SP) Solite
APPROVAL	Damp
ELECTRICAL APPROVAL	Compliant
WARRANTY	

SPECIFICATION GUIDE

ECHO	1	SHAPE	TRIM/TRIMLESS	FINISHES	LIGHT MODULE	WATTAGE	CCT	BEAM ANGLE	DIFFUSER	ADD-ONS*											
ECO	1	R	ROUND	T	TRIM	01	BLACK	RF	RECESSED FIXED	10	10W	27	N	15°	CL	CLEAR	EM	EMERGENCY MICRO INVERTER			
				TL	TRIMLESS	02	WHITE														

*Part# 47184-015 Sold Separate, see page 2 for details.

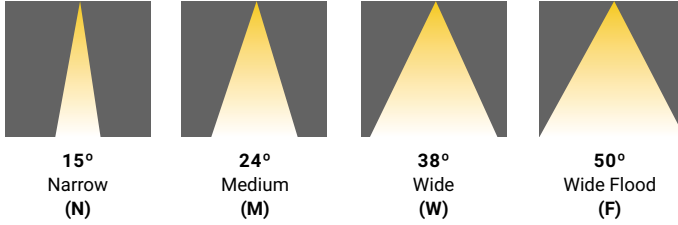
ORDERING GUIDE EXAMPLE:
 Echo /1 / Round / Trim / White / Recessed Fixed /15W / 2700K /
 15° Beam Angle / Clear Diffuser
 CODE: ECO-1-R-T-02-RF-15-27-N-CL



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REFLECTOR OPTIONS



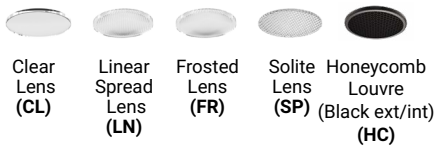
ADD-ONS



- Remote Mounted
- 150W Max 0-10V
- 25W Max Triac/elv.
- Can accommodate multiple fixtures
- Recommended to load to 80%
- 90 Min Service
- See Spc Sheet for more details

SINUSOIDAL EMERGENCY
MICRO INVERTER
47184-015

DIFFUSER OPTIONS



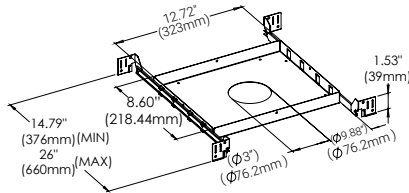
NEW CONSTRUCTION PLATES



**NEW CONSTRUCTION PLATE
TRIM (ECO1RT)**
32506-010

TRIMLESS (ECO1RTL)
30534-018

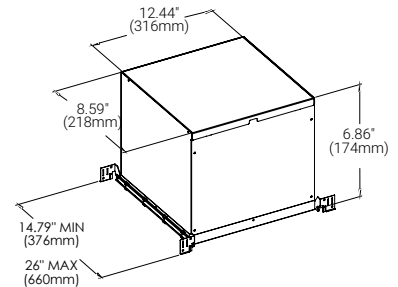
CUT HOLE:
Trim: Ø3"
Trimless: Ø3 1/4"



TRIM (ECO1RT)
AT/IC Box: 47404-014

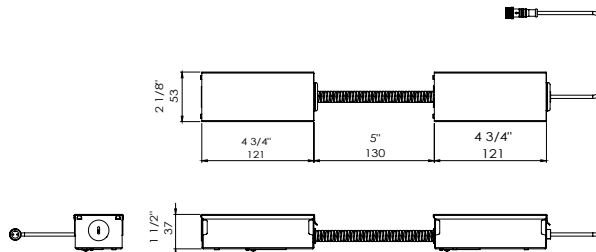
TRIMLESS (ECO1RTL)
AT/IC Box: 46739-018

CUT HOLE:
Trim: Ø3"
Trimless: Ø3 1/4"



DRIVERS

- Compatible with TRIAC (forward-phase or leading-edge) ELV (reverse-phase or trailing edge) and 0-10V dimmers.
- ESSxxxW models: TRIAC and ELV dimming only at 120 Vac
- ESSxxxW models: ELV dimming only at 230 Vac
- 90° C maximum case hot spot temperature
- Class 2 power supply
- Lifetime: 50,000 hours at 70° case hot spot temperature (some models have a higher lifetime)
- IP64-rated (IP66 for ESST) case with silicone-based potting
- Protections: Output open load, over-current and short-circuit (hiccup), and over-temperature with auto recovery.
- Conducted and radiated EMI: Compliant with FCC CFR Title 47 Part 15 Class B (120 Vac) and Class A (277 Vac), and EN55015 (CISPR 15) at 220, 230, and 240 Vac.
- Complies with ENERGY STAR®, DLC (DesignLight Consortium®) and CA Title 24 technical requirements
- Worldwide safety approvals

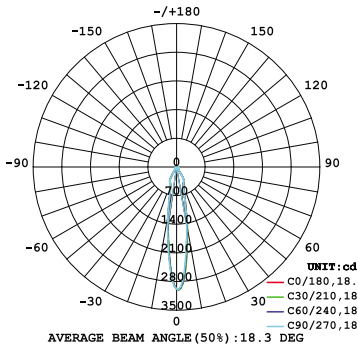




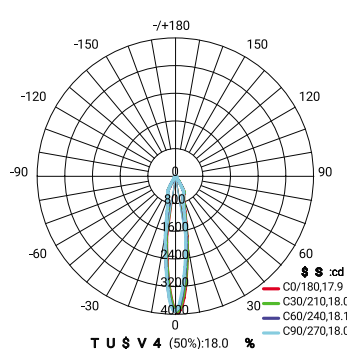
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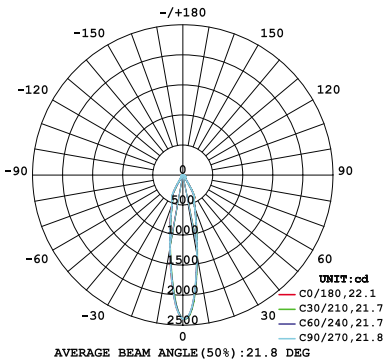
PHOTOMETRICS (Metric)



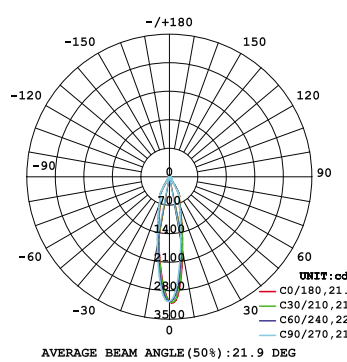
10W 1-LIGHT FIXED NARROW CLEAR



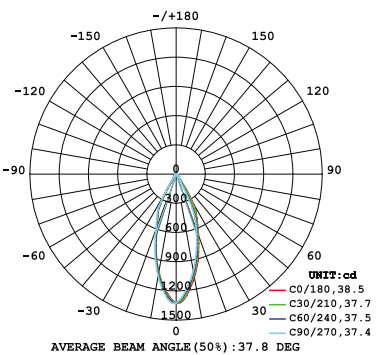
15W 1-LIGHT FIXED NARROW CLEAR



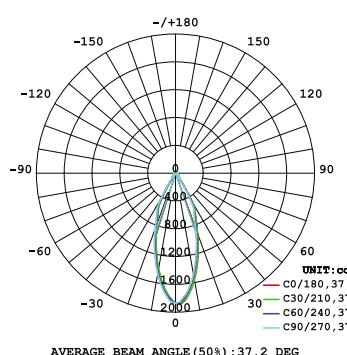
10W 1-LIGHT FIXED MEDIUM CLEAR



15W 1-LIGHT FIXED MEDIUM CLEAR



10W 1-LIGHT FIXED WIDE CLEAR



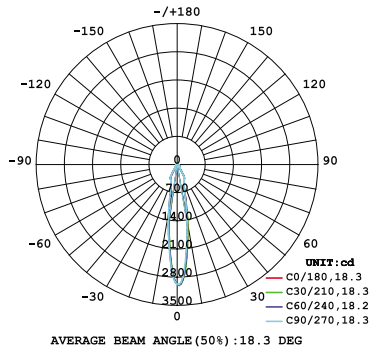
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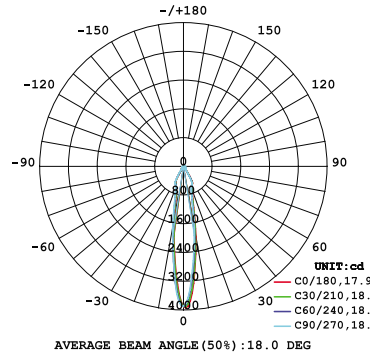
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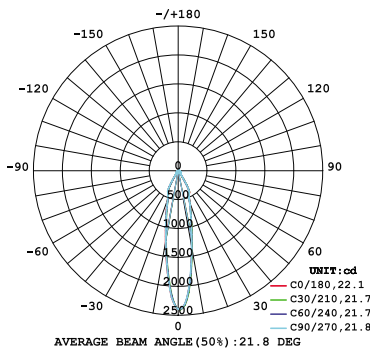
PHOTOMETRICS (Imperial)



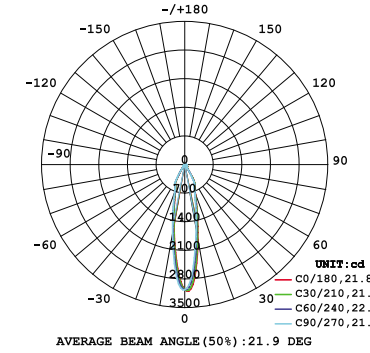
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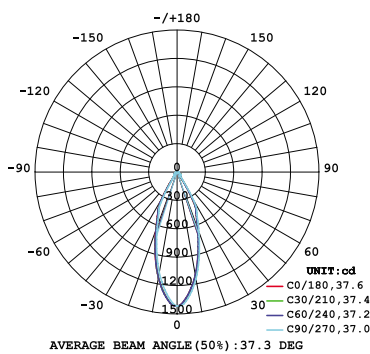
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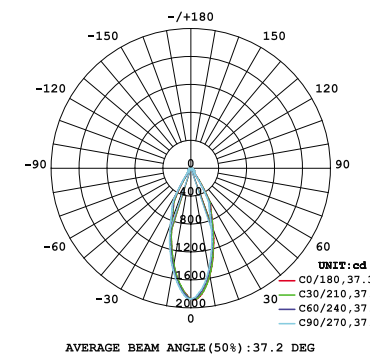
10W 1-LIGHT FIXED MEDIUM CLEAR



15W 1-LIGHT FIXED MEDIUM CLEAR



10W 1-LIGHT FIXED WIDE CLEAR



15W 1-LIGHT FIXED WIDE CLEAR