ROUND

COMMERCIAL FRAME-IN KIT
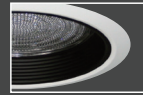
Baffle w/ Reflector **(TR4B)**

Baffled lens w/ Reflector **(TR4BL)**

Reflector w/ Regressed Lens **(TR4RL)**

Reflector w/ Frosted Floating Lens **(TR4RFL)**

NOTE: All trims are damp location rated. Regressed lens trims are wet location listed.
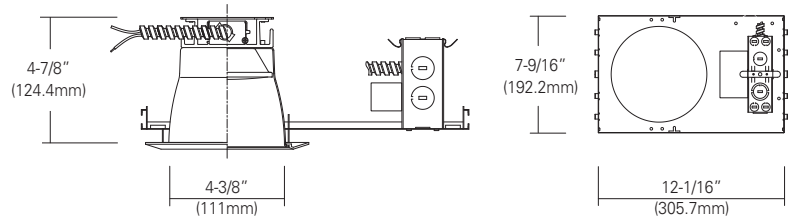
Open Reflector **(TR4R)**

LCD4 DESCRIPTION

4" flat frame-in kits (with LED module and integral reflector) are designed for use in non-insulated ceiling. Insulation material must be kept a minimum of 3" from fixture. Provided in high efficacy LED with dimmable driver and the special optical diffuser allows high lumen transmission and light uniformity.

LED Quantity	1EA(COB)	
Input Voltage	120-277V	
Light Engine	12	19
Wattage	14W	23W
Lumen	1293	1952
Efficacy LPW	92	85
Beam Angle°	48°	48°
Color	2700K - 4000K	
CRI	80 (standard)	
Dimming	0-10V Standard	
Lamp Life	Rated for 50,000 hrs at 70% lumen maintenance	

Ceiling Cut-out: 5"

4-7/8" (124.4mm)

4-3/8" (111mm)

7-9/16" (192.2mm)

12-1/16" (305.7mm)

Ordering Information

Luminaire Prefix	Light Engine Lumens (nom.)	Source	Color Temp.	Beam Angle		Voltage	Trim[1]	Reflector Finish	Baffle	Optional Metal Trim Ring Finish	Options
LCD4 - 4" Architectural Downlight	12 19	LED	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	13 22 - 22° Spot 26 - 26° Narrow Flood 48 - 48° Flood 62 - 62° Wide Flood	19,29,41 23 - 23° Spot 35 - 35° Narrow Flood 52 - 52° Flood 75 - 75° Wide Flood	UE - Universal Input Voltage (120-277V)	TR4R - Open TR4B - Baffle TR4BL - Baffle Lens TR4RL - Regressed Lens TR4RFL - Frosted Floating Lens	(Self-Flanged) SF HAZ - Semi Diffused / Satin[3] SF SPC - Specular Clear[3,4] SF CH - Champagne[3] SF PW - Pewter[3] (Flangeless - Requires Trim Ring) HAZ - Semi Diffused / Satin SPC - Specular Clear[4] Note: White plastic trim ring supplied standard. Optional metal trim rings available.	BL - Black WH - White NOTE: For use with TR4B & TR4BL only	WH - White SN - Satin Nickel CH - Chrome AN - Antique Nickel AC - Antique Copper MO - Mocha CA - Cappuccino UN - Natural Steel PB - Polished Brass NOTE: Not available with "SF" Option	EM - Emergency Battery field installation

SELECTION:

LCD4		LED								

Example: LCD4 - 19 - LED - 30 - 52 - UE - TR4R - SF - HAZ - EM

1- All trims are damp location rated. Regressed lens trims are wet location listed.
2- Accessories are feild installed.

3 - Self Flanged reflectors available with open trims only.
4 - SPC finish not available with wall wash trims.

Project Name _____ Fixture Type _____ Cat# _____

5/7/17
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LCD4 Features & Benefits

Mounting Frame
- Galvanized steel construction.
- Housing adjusts for ceilings up to 1-1/4" thick.

LED Module & Trim (For FRK4)
- Aluminum extruded heat sink facilitates heat dissipation for maintaining constant light output, color and life of solid state components.
- Module construction includes LED, heat sink and lens.
- Heavy gauge aluminum reflector anodized in clear, haze, gold, champagne and pewter color finish. Reflectors with black and white milled groove baffle collar.
- Uniform color temperature within 3 SDCM.

Junction Box
- Listed for through-branch circuit wiring. (Max. 8 No 12 AWG 90 branch-circuit conductors. [4 in, 4 out])
- (5) 1/2" knockouts with true pry-out slots and (4) knockouts with Romex cable clamp.
- Ground wire provided on J-box.

Bar Hangers
- 24" Bar Hangers provide stability and support on joists and T-Bar Grid ceilings.
- Housing can be positioned at any point within 24" joist span.
- Score lines allow shortening for 12" joists without tools.

Warranty
- LSI LED Fixtures carry a limited 5-year warranty.

LED Power Supply Driver
- 120-277V input high efficacy drivers
- Compatible with Triac (forward-phase or leading edge) / ELV (reverse-phase or trailing edge) and 0-10V dimmers
- Triac dimming only at 120 Vac
- Deep dimming from 100% down to 1%
- Power factor >.90, THD <20% with integral thermal protection.
- Emergency battery back-up is sold separately; field installation required. Installed remote adjacent to the luminaire.
- Driver mounts externally to the module, allowing future replacement, if needed

Listings
- cETLus Listed • State of California Title 24 • ENERGY STAR® Certified

Quick-connect Case
In anticipation of rapidly-changing LED technological advancements, this product includes a special light engine quick-disconnect feature. This enables easy upgrades, as well as changes to the heatsink, chip and driver without any
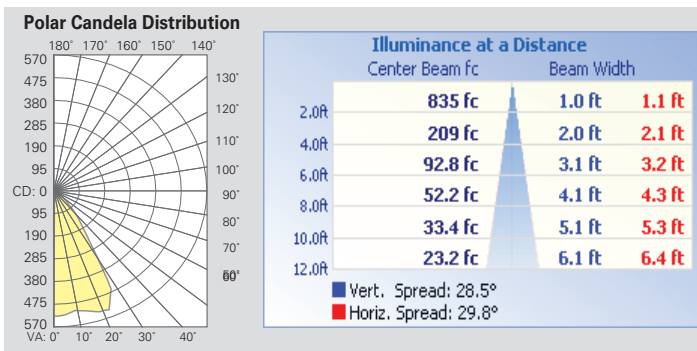

Approved Dimmers
- Lutron: NovaT(Ntelv300&600)
  Diva(Dvelv-300P&303P)

  Nova 0-10V (NTFTV)
  Diva 0-10V (DVTV)

- Leviton: Acenti (Ate06-1Lw)
  Trimatron #705W
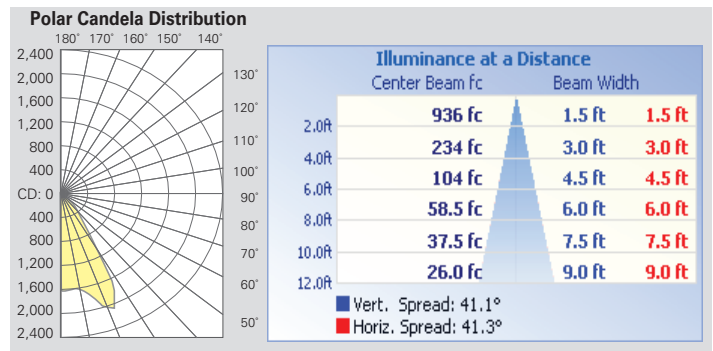 Decora 0-10V (IP710DL)

  Consult factory for additional dimmers

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Photometrics (Contact factory for IES file)

Polar Candela Distribution

Illuminance at a Distance		
Center Beam fc	Beam Width	
835 fc	1.0 ft	1.1 ft
209 fc	2.0 ft	2.1 ft
92.8 fc	3.1 ft	3.2 ft
52.2 fc	4.1 ft	4.3 ft
33.4 fc	5.1 ft	5.3 ft
23.2 fc	6.1 ft	6.4 ft

Vert. Spread: 28.5°
Horiz. Spread: 29.8°

LCD4-12-LED

Polar Candela Distribution

Illuminance at a Distance		
Center Beam fc	Beam Width	
936 fc	1.5 ft	1.5 ft
234 fc	3.0 ft	3.0 ft
104 fc	4.5 ft	4.5 ft
58.5 fc	6.0 ft	6.0 ft
37.5 fc	7.5 ft	7.5 ft
26.0 fc	9.0 ft	9.0 ft

Vert. Spread: 41.1°
Horiz. Spread: 41.3°

LCD4-19-LED