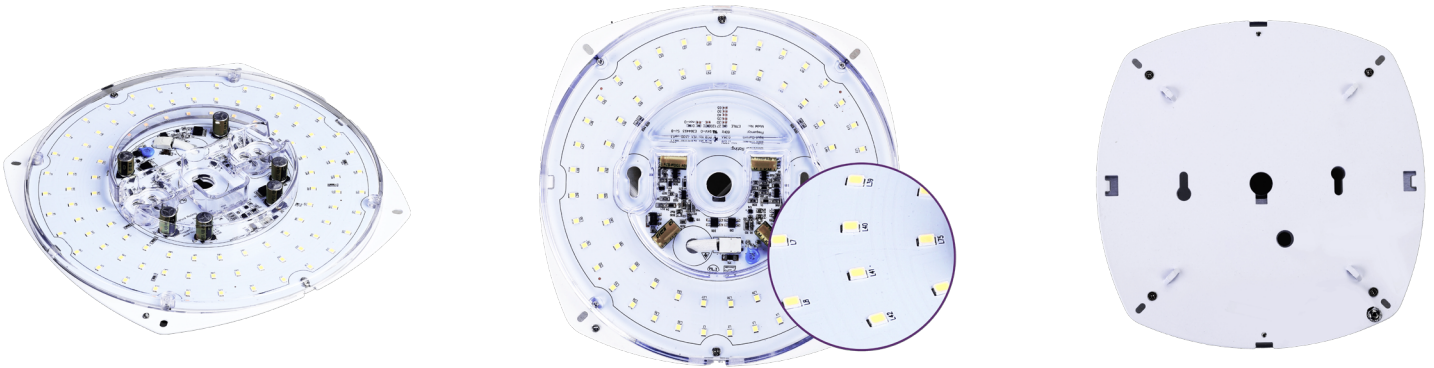


LED Round Light Engine *RETROFIT SOLUTION (driver-on-board)*



The LED Round Light Engine is a versatile, high-performance retrofit solution designed to deliver exceptional illumination for ceiling lights, flush mounts, and fan lights. Engineered with driver-on-board technology and multiple size options (3"-8.5"), it offers uniform light distribution with a 140° beam angle while easily integrating into existing fixtures—ideal for contractors, facility managers, and building owners seeking flexible, reliable lighting for residential and commercial applications.

To enhance ease of use, the light engine features field-selectable CCT settings (2700K, 3000K, 4000K, 5000K) and dimmable capability down to 5% with ELV/LED dimmers. Energy Star certified with flicker rate <30% and Title 24 qualified, it supports energy efficiency and user comfort, delivering superior performance with 90 CRI for excellent color rendering.

Whether upgrading existing fixtures or planning retrofit projects, the LED Round Light Engine offers an ideal balance of efficiency, versatility, and practicality—making it a top choice for professionals seeking reliable, easy-to-install lighting solutions.

SPECIFICATIONS

Housing

Driver-on-board design with multiple installation options

Ambient Temperature

Standard operating conditions for residential and commercial use

Mounting

Multiple installations, easily integrate to existing fixture construction. Designed to retrofit ceiling light, flush mount light, fan light

Efficacy

High-efficiency LED technology with 120V AC drive

CCT and CRI

Selectable CCT: 2700K / 3000K / 4000K / 5000K
CRI: 90

Lumen Output

700 – 3,100 lumens (model dependent)

Electrical

Driver-on-board, 120V AC drive technology
Dimmable down to 5% with ELV/LED dimmers
Input: 120V

Lifespan

L70 > 50,000 hours

WARRANTY

5-year limited warranty

Certifications

UL approved for damp locations. Energy Star certified. Title 24 qualified. RoHS Compliant.

ORDERING GUIDE

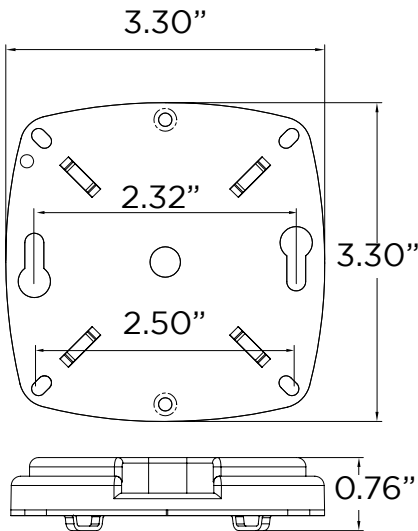
Example: E3RLE50120CDTDH

Size	Fixture Type	Selectable CCT	Voltage	Generation/Series	Finish
• E3 3 inches	• RLE Round Light Engine	• 27 2700K	• 120 120V	• CDTDH Current Design Technology with Dimming & High CRI	• Blank White
• E4 4 inches		• 30 3000K			
• E5.5 5.5 inches		• 40 4000K			
• E7 7 inches		• 50 5000K			
• E8.5 8.5 inches					

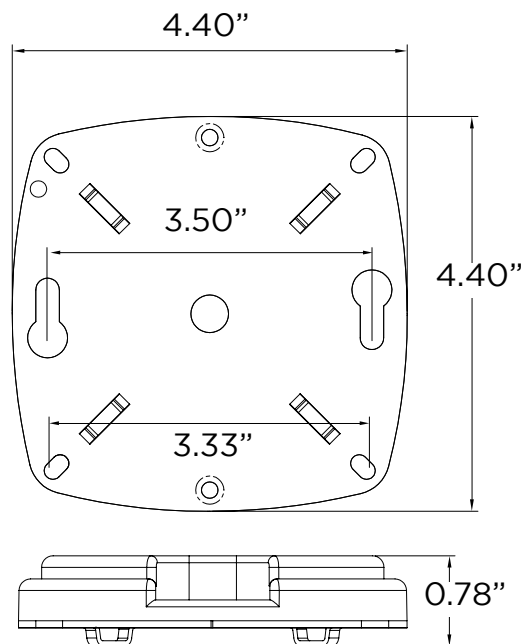
DIMENSIONS

Model	Length	Height	Mounting Hole Spacing	LED Module Diameter
E3RLEXX120CDTDH	3.30" / 83.82mm	0.76" / 19.30mm	2.32" / 58.93mm	2.50" / 63.50mm
E4RLEXX120CDTDH	4.40" / 111.76mm	0.78" / 19.81mm	3.50" / 88.90mm	3.33" / 84.58mm
E5.5RLEXX120CDTDH	5.82" / 147.82mm	0.76" / 19.30mm	3.50" / 88.90mm	4.33" / 109.98mm
E7RLEXX120CDTDH	7.40" / 187.96mm	0.76" / 19.30mm	3.50" / 88.90mm	5.42" / 137.67mm
E8.5RLEXX120CDTDH	8.80" / 223.52mm	1.00" / 25.40mm	3.50" / 88.90mm	6.64" / 168.66mm

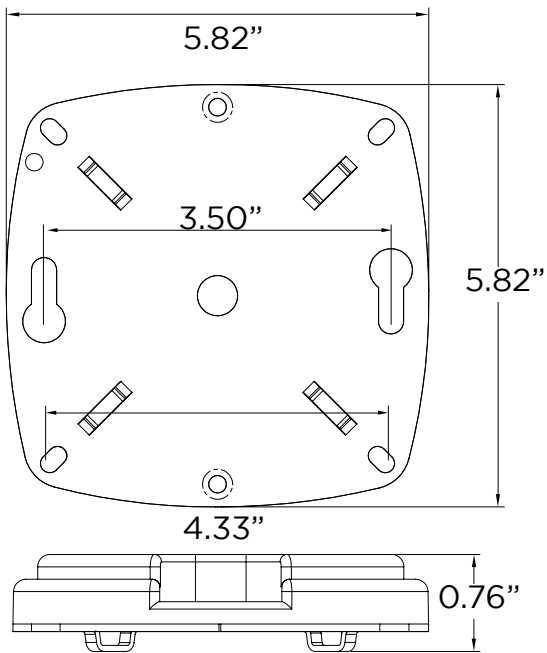
E3RLEXX120CDTDH



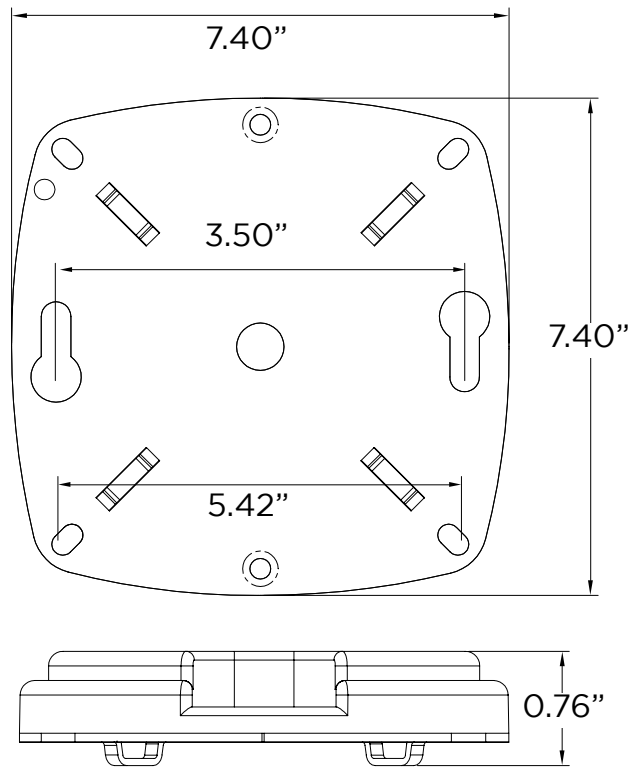
E4RLEXX120CDTDH



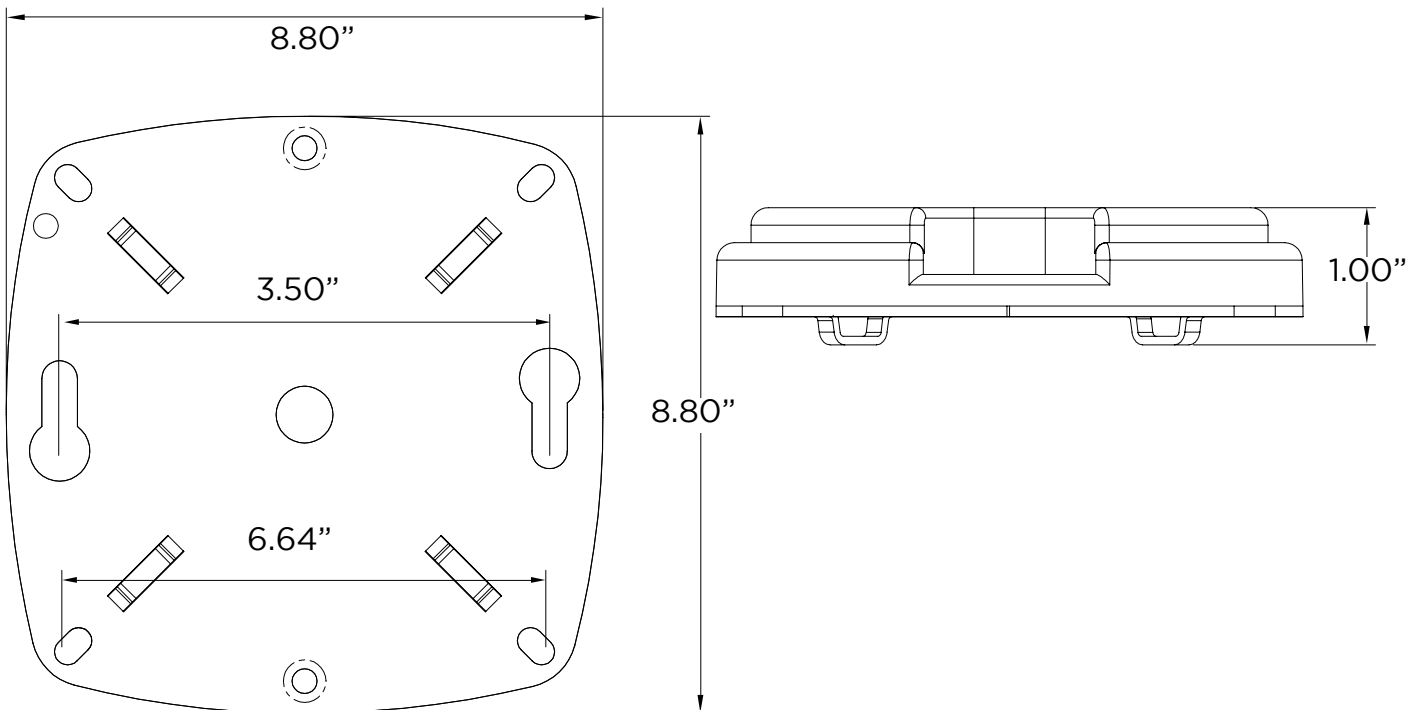
E5.5RLEXX120CDTDH



E7RLEXX120CDTDH



E8.5RLEXX120CDTDH



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