



## Cylindra™ Low Voltage LED Trac Lighting

Low voltage LED fixtures for Juno Trac 12™ and Flex 12™ systems

# Juno® Cylindra™ LED fixtures ...

## Available for Juno low voltage trac systems



The latest additions to the popular Cylindra LED trac lighting family continue the tradition of contemporary good-looks, featuring gentle curves and arcs, accentuated by clean, crisp edges. These new accent fixtures bring high-lumen LED lighting to popular Juno low voltage trac systems. The TL252L is designed specifically for Juno miniaturized, low-profile Trac 12 and Trac 12/25 systems, while the TF252L installs on the Juno Flex 12 bendable trac system. Both fixtures offer the very latest in LED technology, providing energy efficiency and long life in a miniature package.



These compact little fixtures are big-time performers, producing light output comparable to 50-watt, MR16 halogen. But at just 13-watts input, they are four-times more energy efficient. And with a rated service life of 50,000-hours they last about 10-times longer. Cylindra LED is designed and engineered in the USA by our LED product development group that is dedicated to creating next-generation lighting for a more sustainable world.

### Cylindra LED...professional grade

Cylindra LED features all-metal construction of durable, die cast aluminum, beautifully finished in white, black, or silver. Everything about it is professional grade, including the integral, bayonet-mount accessory holder that accommodates one accessory lens if desired. Computer-designed optics are available in spot, narrow flood, and flood beam spreads and can be quickly interchanged in the field to suit varying accent lighting requirements. Cylindra LED is the ideal solution to meet the demands of any retail, commercial or residential environment.

## Juno Cylindra TL252L Series



The Juno Cylindra TL252L translates the unique Cylindra styling into a miniature, 13-watt low voltage LED fixture for Trac 12. The Cylindra TL252L is offered in three beam spreads, four color temperatures and three finishes. Each fixture comes complete with an integral bayonet-mount accessory holder that is designed to hold up to one light control accessory. The TL252L is fully dimmable when combined with Juno remote magnetic or LED-compatible electronic transformers. Available finishes include black, silver and white.

### Accessories

Cat. No.	Description
HCLBL 200	Hexcell Louver
DCCF 200 HAL2700	Color Filters
DGF 200 DRED	Dichroic Filters
DCCF 200 HAL2700	Color Correction Filter <sup>1</sup>
DIFF 200	Diffusion Lens
SOLITE 200	Uniformity Lens
PRISM 200	Prismatic Spread Lens
LSPREAD 200	Linear Spread Lens
TIR2 SPT	TIR Optic - Spot
TIR2 NFLD	TIR Optic - Narrow Flood
TIR2 FLD	TIR Optic - Flood

<sup>1</sup> Corrects 3000K color to approximately 2700K and 4000K color to approximately 3400K.

## Juno Cylindra TF252L Series



The Juno Cylindra TF252L translates the unique Cylindra styling into a miniature, 13-watt low voltage LED fixture for Flex 12. The Cylindra TF252L is offered in three beam spreads and four color temperatures. Each fixture comes complete with an integral bayonet-mount accessory holder that is designed to hold up to one light control accessory. The TF252L is fully dimmable when combined with Juno remote magnetic or LED-compatible electronic transformers. Comes in standard silver finish.

## Efficiency and performance...by the numbers

Juno 13W 3K Cylindra LED Narrow Flood 25°	Performance and Cost Comparison Over 50,000 Hour Fixture Life	50W MR16 Halogen Narrow Flood 25°
13	System Watts	50
857	Initial Lumens	750
793	Mean Lumens	675
3473	Center Beam Candlepower	3200
66	Efficacy (Lumens/Watt)	15
3000K	Color Temperature	3050K
50,000	Rated Life (Hours) <sup>1</sup>	6000
Operating Cost Summary		
\$65.00	Total Energy Cost per Fixture <sup>2</sup>	\$250.00
—	Maintenance Cost per Fixture <sup>3</sup>	\$208.00
\$65.00	Total Operating Costs	\$458.00
<b>\$393.00</b>	<b>Total Savings per Fixture</b>	

<sup>1</sup> Halogen rated life is based on 50% lamp failure; LED rated life is based on 0% failure with 70% lumen maintenance.

<sup>2</sup> Based on electricity costs of \$0.10 per kilowatt hour.

<sup>3</sup> Replacement Cost per Lamp + Replacement Labor Cost x Number of Lamp Changes for 50,000 Hour Operation.

# Cylindra™ Low Voltage LED Trac Lighting

## The low voltage advantage

Cylindra LED low voltage fixtures operate with standard 12-volt Trac 12, Trac 12/25, and Flex 12 remote transformers, greatly simplifying installation and dimming. And because multiple fixtures can be powered by a single transformer, system and installation costs can be significantly reduced. Each fixture features an integral constant current driver circuit that eliminates the effects of voltage drop along the length of track, yielding equal light output from the first fixture to the last. And, unlike competitive fixtures, the proprietary circuit design eliminates the need for a visible LED driver for each fixture.



## Advanced LED performance

Low voltage Cylindra LED fixtures are packed with high-performance features designed to provide superior lighting performance on Trac 12 and Flex 12 systems:

- A single LED array produces up to 829 brilliant lumens from just 13 watts; four-times more energy efficient than halogen with 10-times longer service life.
- Color temperatures are 2700K, 3000K, 3500K, or 4000K with excellent color rendering of 80 CRI minimum; optional 90 CRI minimum available at 2700K or 3000K.
- Chromaticity range within a 2-step MacAdam Ellipse offers excellent color consistency from fixture to fixture.
- Operates at 12-volts AC with Juno remote magnetic or LED-compatible electronic transformers for Trac 12, Trac 12/25, and Flex 12 systems.
- Dimmable with factory qualified dimmers; maintains constant color temperature throughout dimming range.
- 90° vertical aiming capability and 360° horizontal coverage.
- Interchangeable 15° spot, 27° narrow flood, and 41° flood optics provide soft, uniform beam distributions.
- No visible driver yields a smaller fixture footprint and unmatched aesthetics.



©2017 Acuity Brands Lighting, Inc. The marks appearing in this catalog are trademarks of Acuity Brands Lighting, Inc. Products shown in this brochure may be covered by U.S. and international patents and patents pending. Specifications subject to change without notice. Printed in the U.S.A.