USLED
Always the Right Choice!

Project	Date

Catalog Number	Type

EcoStar® 5

Refrigerated Display LED Lighting

ecostar

EXTENDED 5 YEAR WARRANTY

Product Performance Summary

Lumen Output	**Up to 633 lumens/ft.**
Efficacy	**Up to 130 LPW**
CRI	**≥ 80 CRI**
Available CCT	**3000K, 4000K, or 5000K**
Warranty	**Five-Year Warranty**

Product Overview

The EcoStar® 5 LED lighting system for refrigerated cases and freezers allow retailers to showcase their inventory in best light possible while reducing energy consumption. It features a large beam angle and the ability to rotate the light for precise aiming on merchandise. Built for high CRI capability, the EcoStar 5 system will draw your customers to your displays like nothing before.

Key Features

- High-performance LED system for coolers, freezer doors, and open case shelving that's more energy-efficient than legacy systems.
- Flicker-free, uniform light distribution that instantly starts in cold environments.
- Adjustable clip allows for rotation of the light to ensure precise aiming on merchandise.
- High CRI renders true appearance of colors and will showcase merchandise brilliantly.

Construction

- Housing is constructed from aluminum and polycarbonate for maximum durability.
- Clear polycarbonate lens diffuser eliminates the possibility of breakage over merchandise.
- Proprietary diffuser is engineered for maximum illumination with no hot spots.
- Unit length ranges from 2 ft. to 6 ft.

Electrical

- 120-277VAC input..
- Power Factor: ≥90%; THD: <20%
- Internal driver eliminates the need to connect and mount an external source.
- Operating Temperature: -20°C to 50°C (-22°F to 122°F)

Optics

- Industry-leading LEDs with 3000K, 4000K, and 5000K CCT (minimum 80 CRI).
- Lumen Maintenance: ≥50,000 hours (L70) [1]

Mounting

- Luminaire is surface-mount ready and can be seamlessly connected for longer runs.

Warranty

- Backed by US LED's Five-Year Warranty.

Product Applications

- Grocery Stores
- Convenience Stores
- Refrigerated Cases
- Freezer Cases
- Open Case Shelving
- General Merchandise

Product Certifications/Approvals

- UL Listed.
- Complies with UL8750.
- Suitable for damp locations.
- NSF Certified.

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Example: ESRP5-08-1-2-30

Ordering Information

ESRP5				
Series	**Wattage**	**Input Voltage**	**Length**	**CCT**
	08 8W	**1** 120-277V	**2** 2 ft.	**30** 3000K
	15 15W		**3** 3 ft.	**40** 4000K
	18 18W		**4** 4 ft.	**50** 5000K
	22 22W		**5** 5 ft.	
	30 30W		**6** 6 ft.	

Accessories	
ESRP5-PT	Pigtail Connector - To Use For Daisy Chaining EcoStar 5 Refrigeration LED Lamps | 1FT.
ESRP5-PT-8	Pigtail Male connector - Wire 18AWG | Wire Length 8FT.
ESRP5-PT-Y4DC	Y Splitter Pigtail Connector - Wire 18AWG | Wire Length 2FT.

1. Product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.

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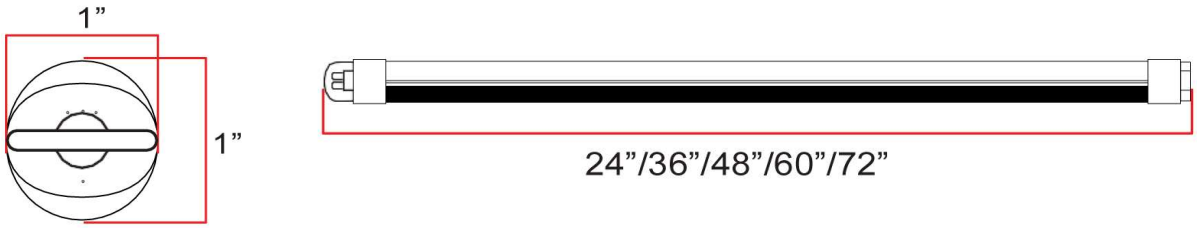
Dimensions

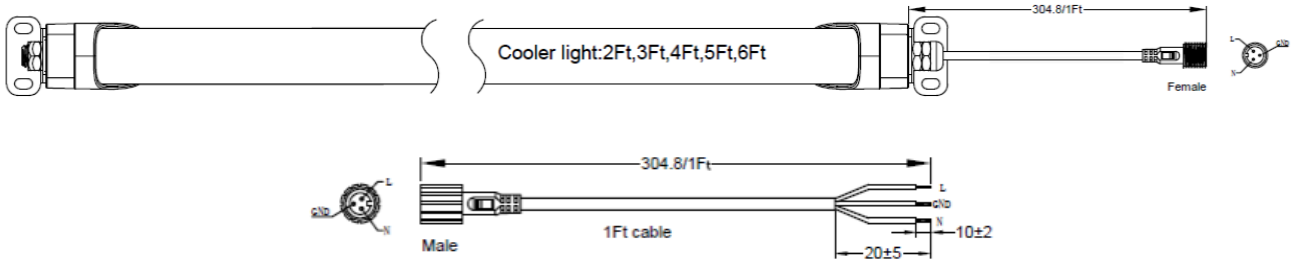


Nominal Length	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.
Actual Length	24.4 in. (620mm)	34.3 in. (870mm)	44.9 in. (1140mm)	58.1 in. (1477mm)	67.3 in. (1710mm)

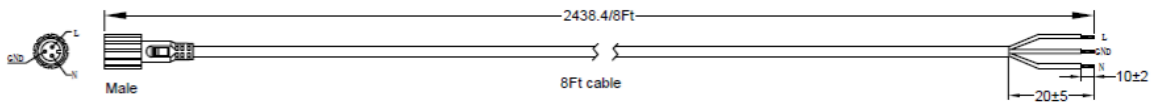
Performance Data

Unit Nominal Length	Input Power	Lumens	Efficacy	CCT	CRI	L70 Calculate Life
2 ft.	8.0W	1,040	130 LPW	3000K-5000K	≥80 CRI	≥50,000 Hours
3 ft.	15.0W	1,800	120 LPW	3000K-5000K	≥80 CRI	≥50,000 Hours
4 ft.	18.0W	2,340	130 LPW	3000K-5000K	≥80 CRI	≥50,000 Hours
5 ft.	22.0W	2,860	130 LPW	3000K-5000K	≥80 CRI	≥50,000 Hours
6 ft.	30.0W	3,800	127 LPW	3000K-5000K	≥80 CRI	≥50,000 Hours

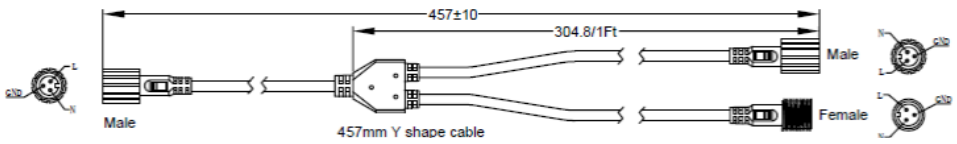
Accessories



ESRP5-PT **Pigtail Connector - To Use For Daisy Chaining EcoStar5 Refrigeration LED Lamps | 1 FT Length**



ESRP5-PT-8 **Pigtail Male Connector - Wire 18AWG | Wire Length 8 FT**



ESRP5-PT-Y4DC **Y Splitter Pigtail Connector - Wire 18AWG | Wire Length 2 FT**

www.usled.com | 866-972-9191 | customerservice@usled.com

Due to continued product improvements, product specifications are subject to change without notice. Please visit www.usled.com for the most updated product specifications.