

# EcoStar® 5

## Refrigerated Display LED Lighting



### 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.

### 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)

### Mounting

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

### 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.

### Optics

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

### Warranty

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

Project	Date
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Catalog Number	Type
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### 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.

### Product Applications

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

### Product Certifications/Approvals

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



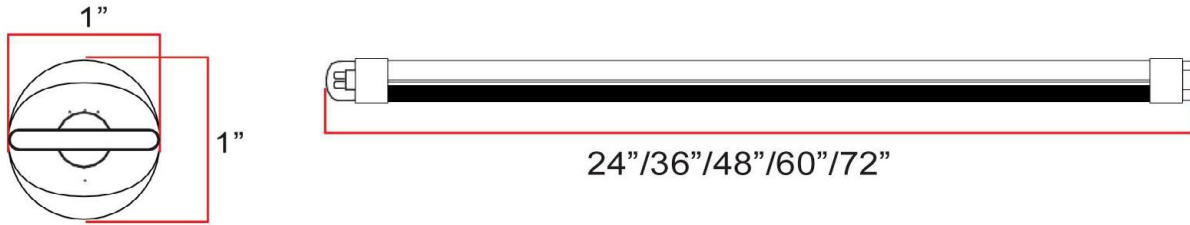
### Ordering Information

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.	

Example: ESRP5-08-1-2-30

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.

### 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