



POWER + LIGHT™

# TWT Series

## High Efficacy Tunable White LED Reel



### Dimensions:

Reel Length: 200 ft, 50 ft

Cut length: 2 in

Connector pattern: 12.08 in repeating segments

### ORDERING INFORMATION

Part Number	Cut Length (in)	Connector Spacing (in)	Nominal Lumen Output (lm/ft)	Nominal Efficacy (lm/W)	Reel Length (ft)	CRI
TWT-A14-0390-200	2	12	1400	150	200	90+
TWT-A14-0390-050	2	12	1400	150	50	90+

### FEATURES

- 3 channels of LEDs for precise BBL tuning
- Poke-In style connector for 22-24 AWG solid wire
- High Bond 3M 300LSE Adhesive
- Designed for use with ERP MLS series
- 8 ft maximum recommended run length
- 1800-6500K Tunable CCT Range
- UL2108 Listed

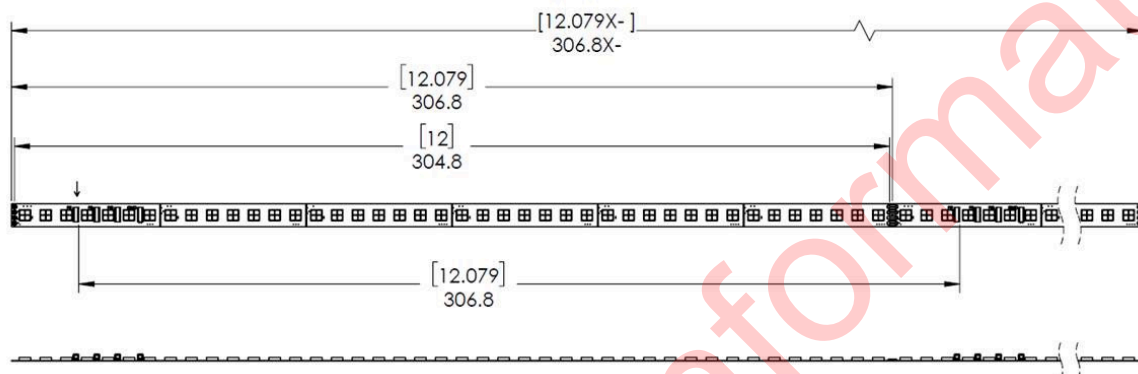
### APPLICATIONS

- Commercial & residential lighting
- Architectural lighting
- Indoor Lighting

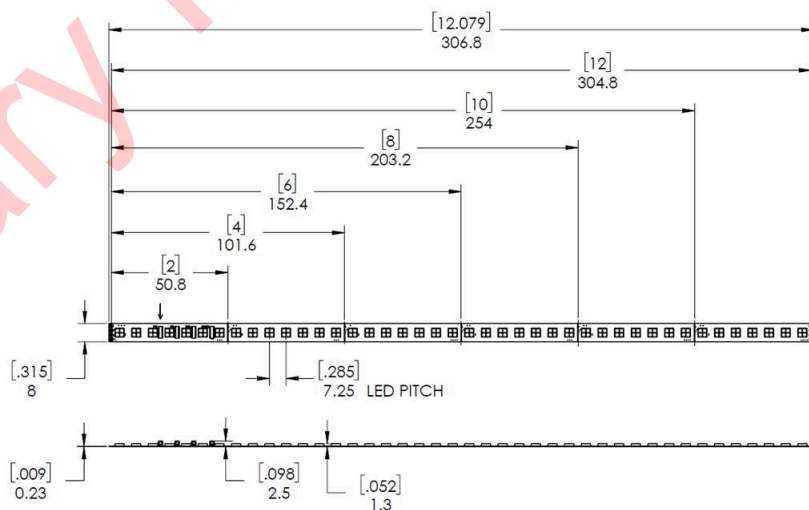


## High Efficacy Tunable White LED Reel

### 1 – MECHANICAL DETAILS



Parameter	Specification
Width	0.315"
Reel Length	200', 50'
Connector Pattern	12.08"
Solder Pad Spacing	12.08"
Cut Length	2"
Thickness, to Connector Top	0.1"
PCB Thickness	0.009"
Wire Size	22-24 AWG (Solid Wire)
Wire Strip Length	~0.12-0.18"



Dimensions: [in]  
mm



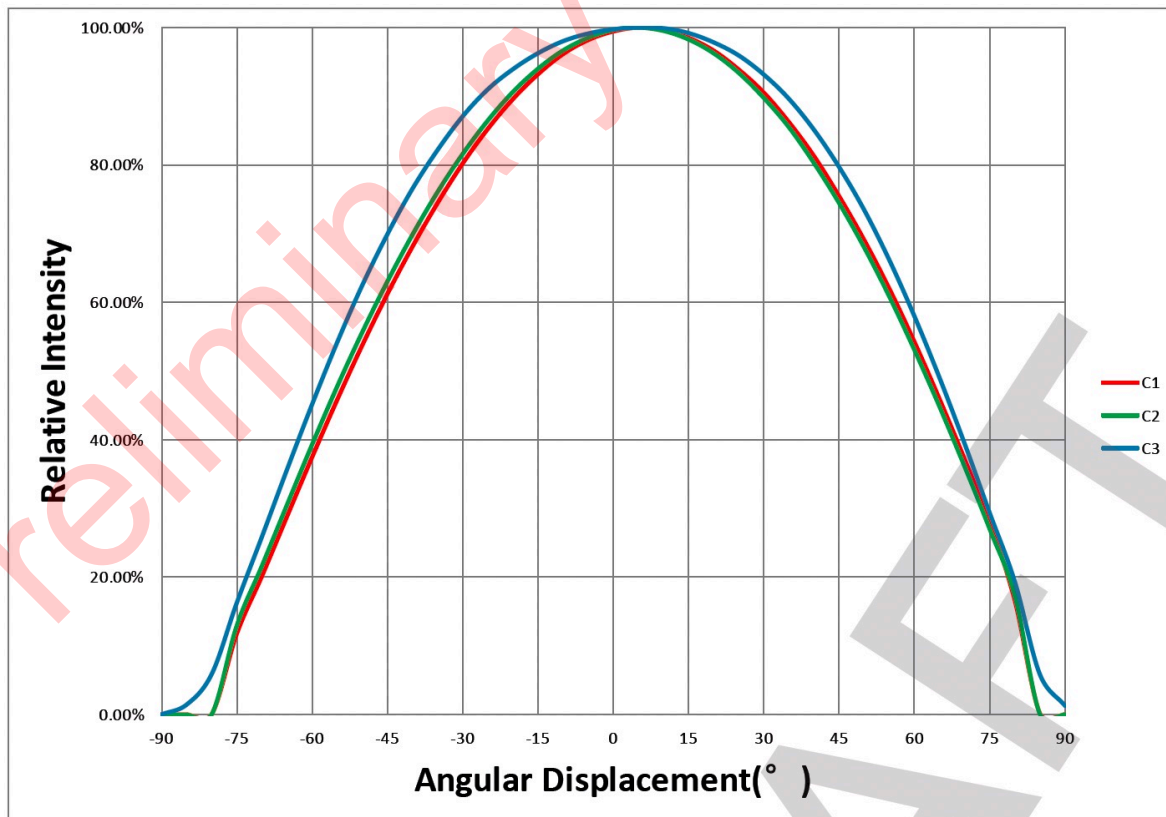
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### 2 – PHOTOMETRIC SPECIFICATIONS

Specification	Range	Notes
Lumen Output	1400 lm/ft	
Efficacy (LPW)	150 lm/W	
CCT (Tunable Range)	1800-6500K	
CCT (Warm Dim Range)	3050-1800K (MR16 Halogen Profile) 2700-1800K (Incandescent Profile)	
CRI (Ra)	90+	2700-6000K
CRI (R9)	50+	2700-6000K
Nominal Color Consistency (Duv)	± 0.0033	
Lumen Maintenance	L70 (70% of initial lumens) = 50,000 hours at Tc ≤ 85°C	
Flicker	Compliant with IEEE 1789-2015	



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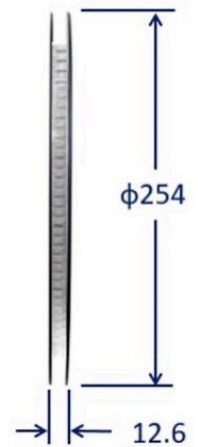
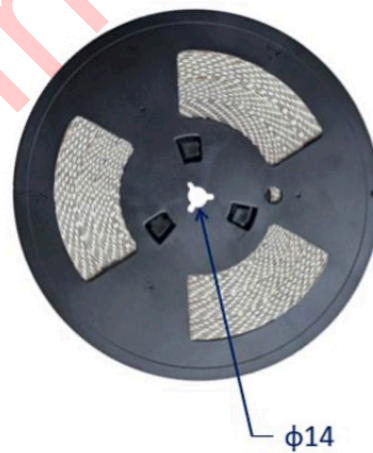
### 3 - ENVIRONMENTAL CONDITIONS

	Units	Minimum	Typical	Maximum	Notes
Operating Ambient Temperature (Ta)	°C	-20		50	50°C is the non-derated temperature
Maximum Case Temperature (Tc)	°C			+90	Case temperature measured at XXXX
Storage Temperature	°C	-40		+85	
Humidity	%	5	-	95	Non-condensing

### 4 - MECHANICAL PACKAGING DETAILS

TWT-A14-0390-200

TWT-A14-0390-050



All Dimensions are in mm



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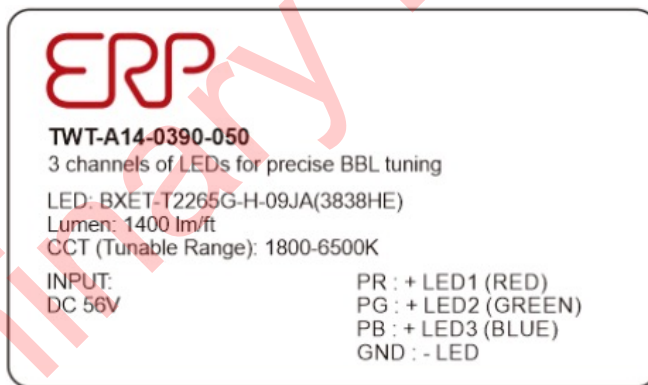
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### 4 - LABELING

The TWT-A14-0390-050 is used as an example to illustrate a typical label.



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### Revision History

Date	Comments
10APR2025	<ul style="list-style-type: none"><li>• Preliminary Release</li></ul>
12MAY2025	<ul style="list-style-type: none"><li>• Updated Mechanicals, placeholders</li></ul>
14MAY2025	<ul style="list-style-type: none"><li>• Various grammar changes</li></ul>
23JUN2025	<ul style="list-style-type: none"><li>• Updated length of small reel to 50 ft</li></ul>
19AUG2025	<ul style="list-style-type: none"><li>• Updated length of long reel to 200 ft</li><li>• Added label</li><li>• Added reel dimensions</li></ul>