

# LED LIGHTSTAR REELS

Warm White energy efficient LEDs save 75% in running costs over incandescent look alikes, while significantly reducing maintenance costs. Use for tree lighting, festival/tent lighting, accent lighting, decorative lighting, building outlines, architectural details, patios, decks and gazebos.

### Performance

- 3mm LEDs with 5.9" LED spacing creates festive point or Warm White LED light
- IP44 rated for outdoor use for damp locations
- Inverted cone shaped lenses glow and sparkle from side and top viewing angles (180° beam angle)

### Construction

- Durable PVC sockets molded onto 18AWG SPT-1 wire
- 3mm LEDs are spaced every 5.9" and wired in series (cuttable anywhere)
- Injection molding process seals sockets to wire providing wet location protection and strain relief

### Installation

- Requires 12V DC input (power supply sold separately) see various accessory options, including dimmable constant voltage power supplies
- No mounting hardware is included with the LightStar Reels - this product is not recommended for use in spans that are unsupported
- Consider using baling wire or nylon line to anchor beginning and end of tree wraps
- For installations involving span distances, LightStar Reel needs to be supported with a guy wire or catenary cable
- Be sure to seal all outdoor connections with dielectric grease and shrink tube

\*Photos are for representational purposes and do not display actual socket spacing



### Specifications

Series	LLR
Input voltage	12V DC only
Color temperature	3000K
CRI or nm	63+ CRI
Wattage	0.16W per LED
Lumens	8Lm per LED
Maximum run	200ft (406 LEDs x 0.16W/LED = 65W)
Beam angle	180°
Dimming	Requires ELV driver (at right)
Material	PVC sockets, 18AWG SPT-1 wire
Lens	5mm Inverted cone
Rating	IP44 for indoor/outdoor use
Dimensions	5/8"W x 9/32"H (socket/lens)
Switching	Branch circuit to power supply
Mounting	Tree wrap, zip ties, catenary
LED type	3mm LEDs (700 per reel)
Rated life	50,000 hrs

## LED Lightstar Reels



### LLR-6-BK-WW

344.5ft LED Lightstar Reel  
5.9" LED Spacing / 0.16W per LED  
Max Run 200ft

## LED Lightstar Accessories



### ELV-60J-12 36-60W output, 2.5A maximum

**ELV-80J-12** 48-80W output, 3.33A maximum  
12V DC Constant voltage hardwire driver w/Jbox;  
Class 2; 100-130V AC, 50/60Hz input; Forward/  
Reverse phase; TRIAC compatible; 60% minimum  
load,; Dimmable; c/ETL/us Listed; Suitable for  
wet locations; Junction box for wiring included;  
Mount higher than 1ft off the ground  
13-3/4"L x 3-1/16"W x 2-5/16"H



### LED-DR60-12 1-60W output

12V DC Constant voltage hardwire driver; Class 2  
Use with 14AWG (min) supply wire;  
Copper conductors only; c/UR/us Recognized;  
Enclosure (ENCL-11) sold separately  
7-13/16"L x 1-3/4"W x 1-5/8"H



### LED-DR100-12 1-100W output

12V DC Constant voltage hardwire driver  
15" 3C 18AWG input leads and 15" 2C  
16AWG output leads; Use with 14AWG  
(min) supply wire, copper conductors only  
c/UR/us Recognized;  
9"L x 2-9/16"W x 1-5/8"H



### LLR-CHAN-4

4ft aluminum mounting channel  
and light shield for architectural  
applications