

LED CHANNEL RAYS

Bright, easy to use LED modules for backlighting and silhouettes

LED CHANNEL RAYS

Long life modules save in maintenance. Great for use with sign lighting, channel letters, backlighting, silhouettes, displays, and a variety of fluorescent retrofits where cold temperatures exist.

FEATURES

- Bright - operates cool and saves energy!
- 8500K White LED light with a wide viewing angle for even light distribution (also available in Red)
- 120° viewing angle creates more uniform backlighting effects and better silhouettes
- Long life LEDs last for years (up to 50,000 hours)
- No lamps to replace - no heat build up inside enclosures
- Sleek, low profile module – only 9/32" (7mm) high - fits inside smaller letters and housings
- Durable epoxy resin fill for waterproof (IP68) rating each module
- 12V DC operation requires a constant voltage 12V power supply (sold separately, see pages 52-53)

CUSTOM CUT / REELS

LED-CR3	—	
LED Channel Rays		WH = White RE = Red

TECHNICAL SPECIFICATIONS

Voltage	12V DC, 60mA operation
Construction	PC board in ABS plastic housing, clear epoxy resin fill, 6.5" spacing on 18AWG, SPT1 wire
Mounting	Each module has 3M® adhesive tape (allow 24 hours to cure before lighting)
Dimensions	L = 2-5/8", W = 5/8", H = 9/32"; (66mm x 15mm x 7mm)
Cuttability	Every module
Light output	47 lumens per 3-chip module
Wattage	0.72 watt per module (36 watts per set)
Maximum run	50 modules (approximately 27 feet)
LED Specs	50,000 hour rated life, 8500K for White, 625nm for Red; 120° viewing angle
Dimming	Dimmable with most standard incandescent dimmers when used in conjunction with LED-TR drivers
Packaging	White box, sold by the set (50 modules per set) only



BILL OF MATERIALS

- Determine number of LED modules needed for the area to be lighted (approximately 6-7 modules per square foot is ideal).
- Order in sets (50 modules per set); specify White or Red.
- Calculate total wattage (0.72 watt/module) and specify 12V DC power supplies with appropriate load capacities for layout.

Example above uses (1) LED-CR3-WH and (1) LED-DR-12.



P/H

