



787 Series

- “Side-fire” LED for very shallow reverse/halo lighting
- Compact, low-profile and flexible lighting system
- Weather resistant conformal coating
- Simple “peel & stick” installation
- Safe, energy efficient alternative to neon
- Available in blue and white

Twister HALO is specifically designed for shallow channel letters for reverse/halo lighting. The low-profile, compact size and flexible design fits into small channel letters. Permlight’s patented thermal management technology uses the metal letter to dissipate heat away from the LED, resulting in useable life of 10 years. *Twister HALO* is conformal coated to resist moisture and harsh exterior conditions. *Twister HALO*’s side-fire LED and close module spacing of 3” on center makes it perfect for mounting inside the back of the channel letter. The side-firing LED bounces the light back-and-forth on the returns and creates a soft, even illumination without “hots spots” or “points of light”.

MOUNTING: Modules must be mounted on metal surface with the supplied double stick (peel & stick) VHB tape on module back. Use of other mounting methods including foam tape will void the warranty.

REMOTE POWER SUPPLY AND DIMMING: *Twister HALO* requires constant voltage of 12 vDC for optimum operation. Modules can be dimmed using Permlight dimmable power supplies and commercially available 3-wire, electronic low-voltage dimmers. See Permlight website for list of tested/compatible dimmers.

WARRANTY: 5 years, see Permlight website for conditions. Warranty is applicable only if product is used with Permlight approved remote power supplies, consult factory or website for complete list. Consult Permlight website or installation instructions for additional information.

HALO/REVERSE LIT

Coming soon!!!

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PERMLIGHT

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Tel: (714) 508-0729 Fax: (714) 508-0920
www.permlight.com

Revised: 5/2007
<http://www.permlight.com/cutsheets/787.pdf>



TYPICAL RATINGS:

Estimated Life:	See chart
Power Consumption:	See chart
Input:	12 vDC nominal, 12.3vDC maximum
Operating Limits:	-40°C to +50°C 90% relative humidity
Dimensions:	0.5" x 1.0" x 0.13" (not including wires)
Board :	aluminum, isolated substrate
Wires:	20 awg insulated
Spacing:	4 modules per foot, 3" on centers
Polarity:	White wire +DC (positive), grey wire -DC (negative)
Coating:	conformal coated solder joints
Shipping Method:	50 modules per reel
Weight:	0.6 lbs. per reel
Mounting:	Supplied VHB tape on back of module only Built-in notch can be used to attach with screw or rivet Silicone or epoxy can be used on wires for additional support
UL File and Listing:	E213411, cURus (UL Recognized Component), wet location

CATALOG NUMBER:

Catalog Number	Color	Estimated Life (hours) 70% light output	Power Per Module (Watts)	Permlight Approved 12 Volt Power Supply				
				12 Watt	25 Watt	60 Watt	240 Watt	480 Watt
				# of Modules	# of Modules	# of Modules	# of Modules	# of Modules
787-WHT	Neon white - 6500K	40,000	0.45	27	55	133	532	1064
787-BLUE	Blue - 470nm	40,000	0.45	27	55	133	532	1064
787-GREEN	Green - 525nm	40,000	0.45	27	55	133	532	1064

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Featuring LED by  NICHIA

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