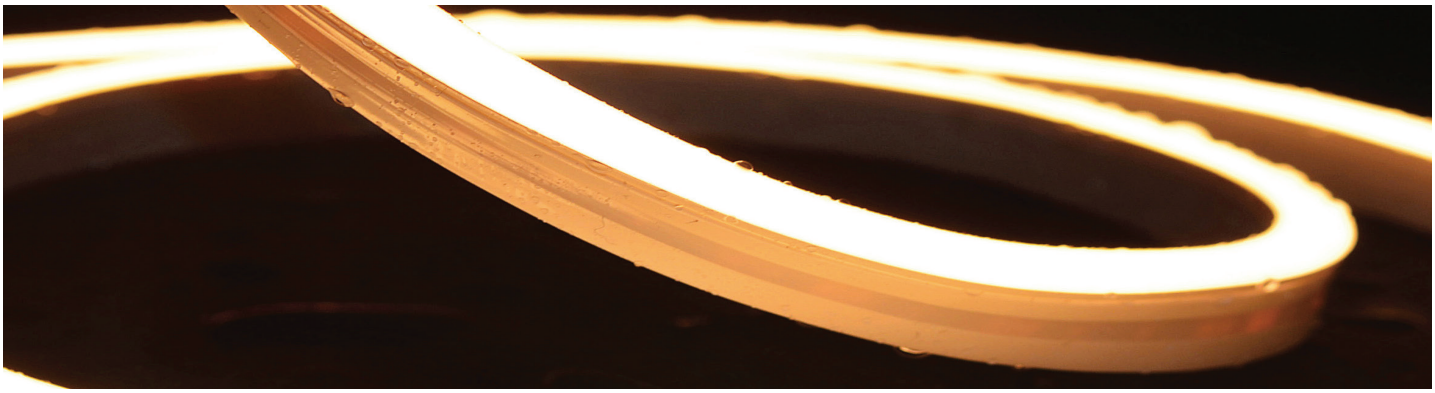
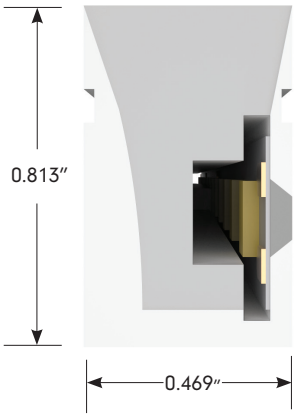


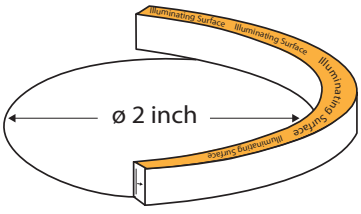
Project: _____ Type: _____

- Constructed using flexible SMD LEDs with zero voltage drop for reliability and uniformity of light
- Factory molded power lead and end cap
- Used to outline structures or where traditional glass neon is used
- Low Voltage 24V DC
- Available in Non-Dimming or Dimming version
- Long-life LEDs with tight cutting increments for precise field installation
- UV Stabilized for exterior use with silicone housing (no yellowing or cracking)
- IP67 Rating
- IK07 Rating - protected against 2 joules impact
- 1 Bin, 1.5 step color consistency

Dimensions



TRACE Horizontal Bending Direction



Lateral Bending

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Order Specification Guide

NOTE: Lengths and quantity of each run must be submitted at time of order.

PRODUCT CODE		INTENSITY		PROFILE		LED COLOR		VOLTAGE
TRCE	-		-	**H**	-		-	**24**
TRCE = Trace Flexible Light		**L** = Low Output **S** = Standard Output **H** = High Output		**H** = Horizontal		**24** = 2400K **27** = 2700K **30** = 3000K **35** = 3500K* **40** = 4000K **50** = 5000K* **GR** = Green* **BL** = Blue **RD** = Red **AM** = Amber*		**24** = 24V DC

*Special Order Option. Consult factory for lead time and MOQ.

Specifications

Output (Based on 2700K)	Low Output	Standard Output	High Output
Lumens (lm/ft)	48	96	144
Power Consumption (W/ft)	1.5	3	4.5
Maximum Run	58′	29′	19′

Output (Based on 2700K)	
Beam Angle	124.4°
Efficacy (lm/W)	32
LEDs	2835
CRI	>80
R9	67.6
Electrical	
Dimming	TRIAC, ELV, MLV, 0-10V, DMX
Input Voltage	24V DC
Physical	
Dimensions	0.469″ X 0.813″
Cutting Increments	1.97″
Material	UV, Solvent, Saltwater resistant silicone
Wire Exit Options	Front, Side, Bottom
LED PIN Temperature	65°C / 149°F
Storage Temperature	-25°C / -13°F - 60°C / 140°F
Ambient Temperature	Ta_{min} = 33°C / 90°F, Ta_{max}
Certification and Testing	
Certification	UL
Rated Life L70/hrs	54,000
Environment	Wet Location
IP Rating	IP67
IK Rating	IK07
Warranty	5 Years

- Maximum Run length refers to single side feed in serial connection
- The given color temperature is the strip (after coating) color temperature
- The given data are typical values due to the tolerances of the production process and electrical components; values for the light output and electrical power can vary up to 10%

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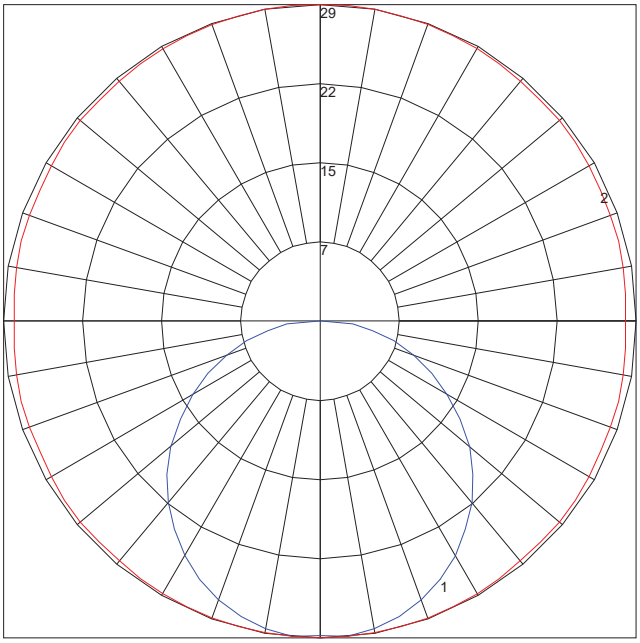
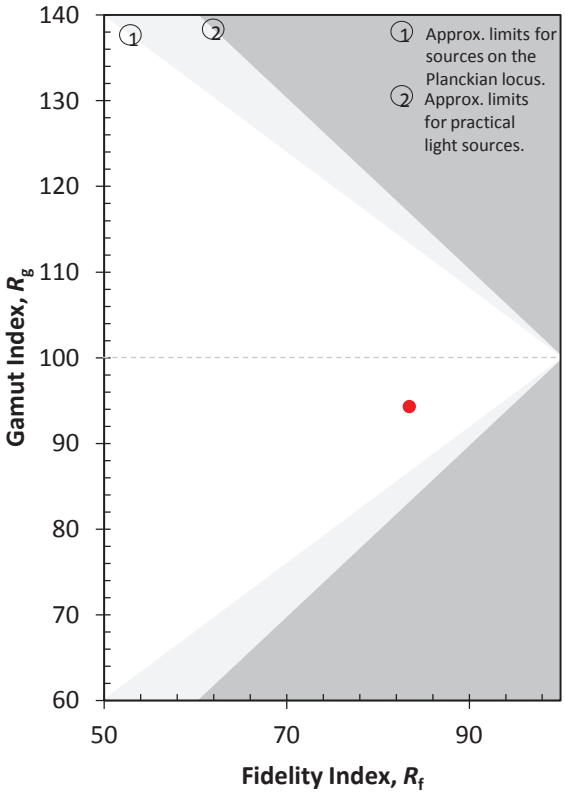
Photometrics

TRACE Horizontal: Based on 2700K



Maximum Candela = 29.44
Located At Horizontal Angle = 85
Vertical Angle = 5
#1 Vertical Plane Through Horizontal Angles (85-265) (Through Max. Cd.)
#2 Vertical Cone Through Vertical Angle (5) (Through Max. Cd.)

TM-30



		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	78	-11%	1%
2	81	-7%	6%
3	80	-4%	9%
4	89	-3%	3%
5	93	-1%	3%
6	95	0%	0%
7	89	-5%	-3%
8	91	-5%	2%
9	84	-5%	6%
10	79	-3%	12%
11	81	2%	13%
12	84	7%	1%
13	85	3%	-9%
14	78	4%	-16%
15	83	-5%	-7%
16	74	-9%	-15%

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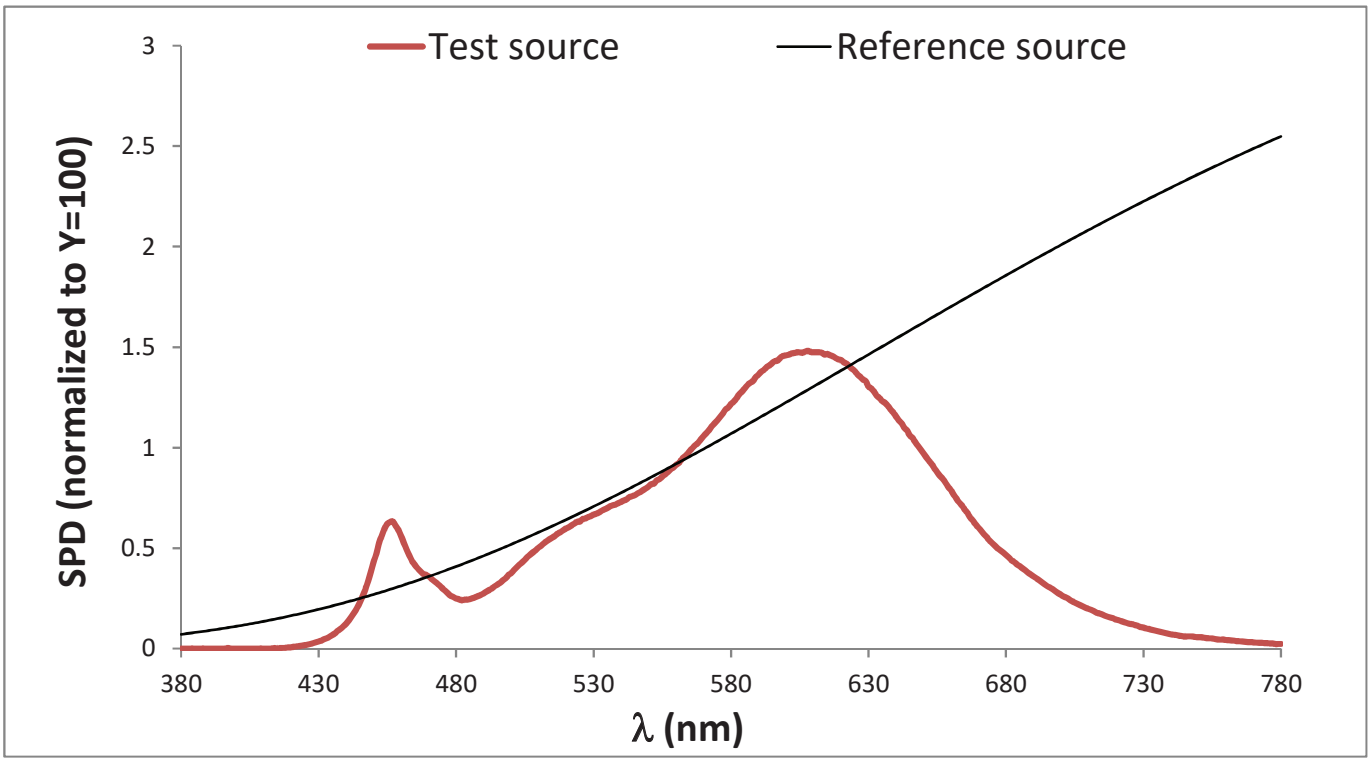
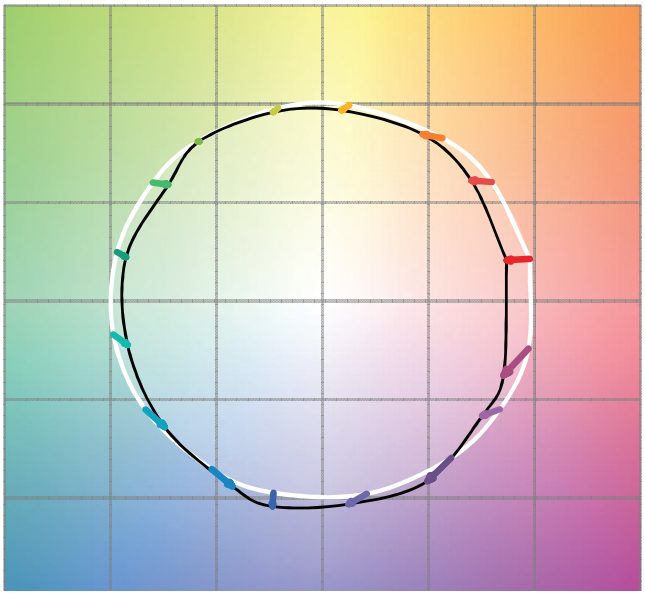
TM-30

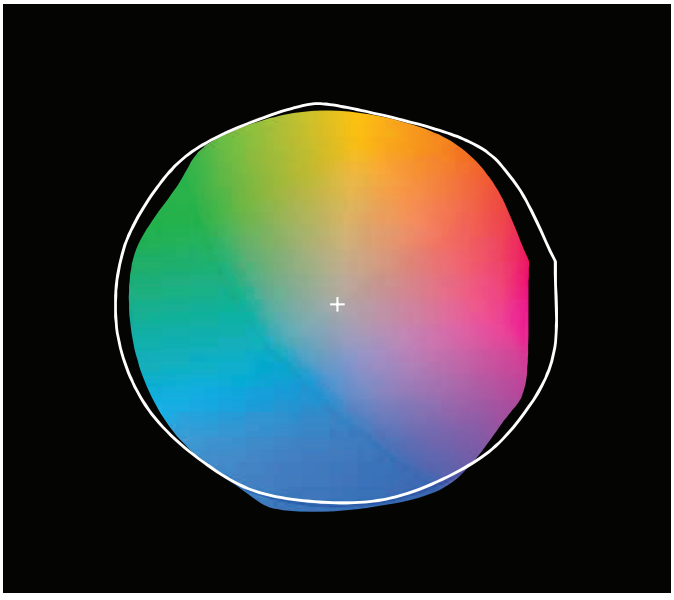
TRACE Horizontal: Based on 2700K



Color Vector Graphic



Color Distortion Graphic



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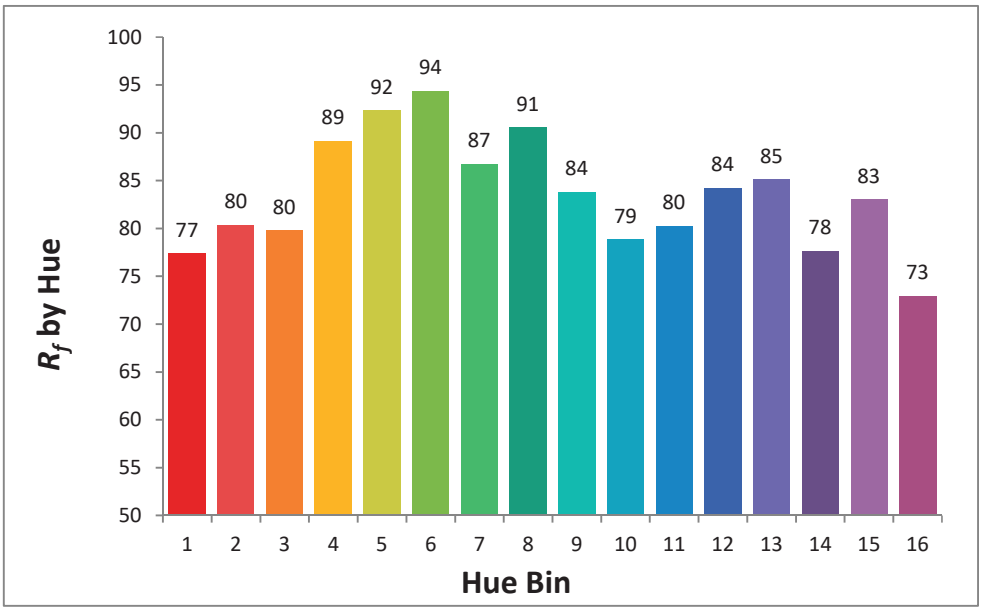
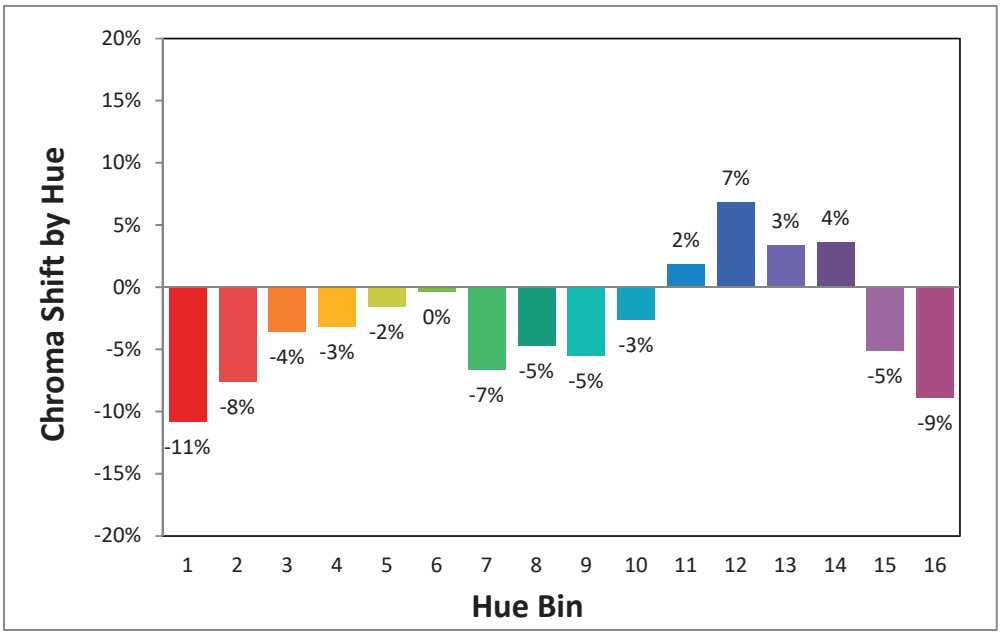
TM-30

TRACE Horizontal: Based on 2700K

Hue Angle Bin vs. Fidelity Index



Hue Angle Bin vs. Change of Chroma



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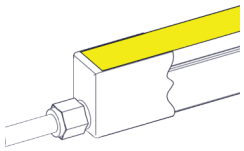
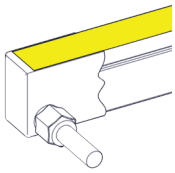
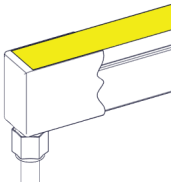
Factory Molded Power Lead and End Caps



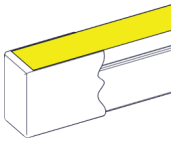
FRONT
Horizontal Front Lead Entry
10' Power Lead Cable with End Cap



SIDE
Horizontal Side Lead Entry
10' Power Lead Cable with End Cap



BOTTOM
Horizontal Bottom Lead Entry
10' Power Lead Cable with End Cap

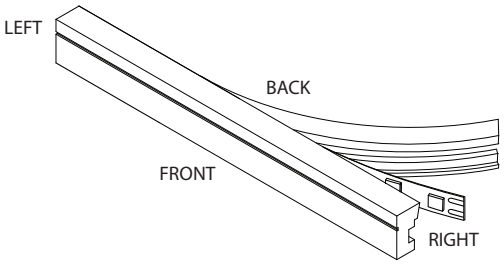


END CAP
Horizontal End Cap (No Lead)

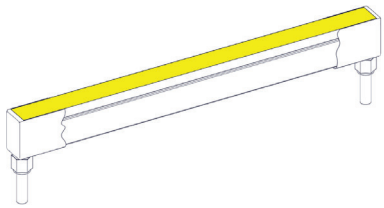
Power Leads - How to Configure

It is important to note the orientation of TRACE and what is considered Left Facing and Right Facing. TRACE is polarity specific and proper submission of power leads for each run is necessary for factory prep standards.

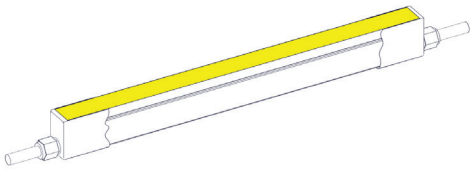
HORIZONTAL TRACE - The cut window will always indicate as Back



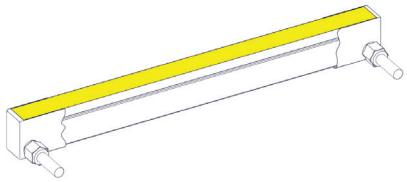
Molded Power Lead Configurations



TRCE-H-MLEAD-B-B
Left Facing Bottom Lead with 10' Power Cable to Right Facing Bottom Lead with 10' Power Cable



TRCE-H-MLEAD-F-F
Left Facing Front Lead with 10' Power Cable to Right Facing Front Lead with 10' Power Cable



TRCE-H-MLEAD-S-S
Left Facing Side Lead with 10' Power Cable to Right Facing Side Lead with 10' Power Cable

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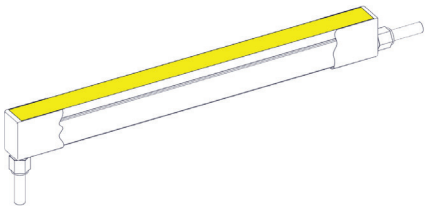
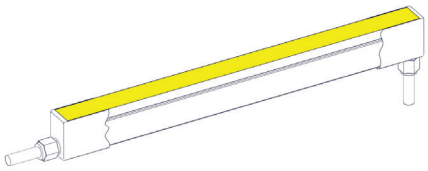
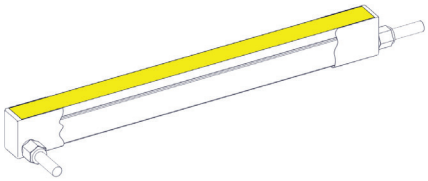
Power Lead Configurations



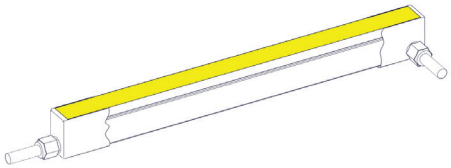
TRCE-H-MLEAD-B-F
Left Facing Bottom Lead with 10′ Power Cable to
Right Facing Front Lead with 10′ Power Cable



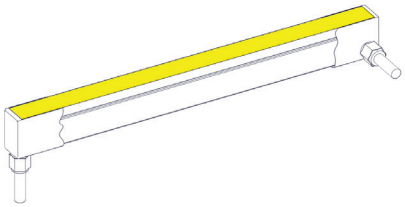
TRCE-H-MLEAD-F-B
Left Facing Front Lead with 10′ Power Cable to
Right Facing Bottom Lead with 10′ Power Cable



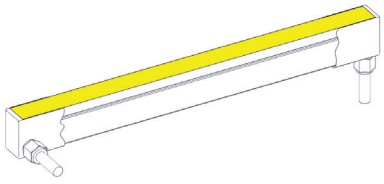
TRCE-H-MLEAD-S-F
Left Facing Side Lead with 10′ Power Cable to
Right Facing Front Lead with 10′ Power Cable



TRCE-H-MLEAD-F-S
Left Facing Front Lead with 10′ Power Cable to
Right Facing Side Lead with 10′ Power Cable



TRCE-H-MLEAD-B-S
Left Facing Bottom Lead with 10′ Power Cable to
Right Facing Side Lead with 10′ Power Cable



TRCE-H-MLEAD-S-B
Left Facing Side Lead with 10′ Power Cable to
Right Facing Bottom Lead with 10′ Power Cable

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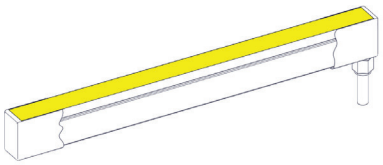
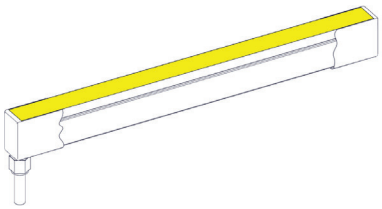
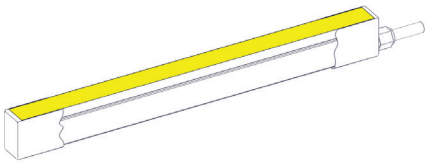
Molded Power Lead Configurations



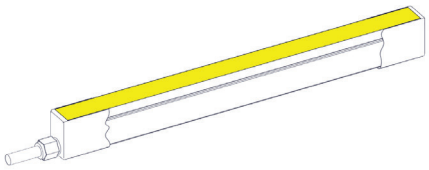
TRCE-H-MLEAD-E-B
Left End Cap Lead to Right Facing Bottom Lead with 10' Power Cable



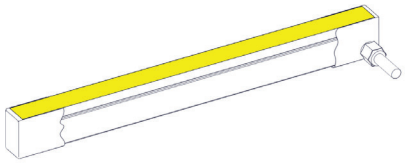
TRCE-H-MLEAD-B-E
Left Facing Bottom Lead with 10' Power Cable to Right End Cap



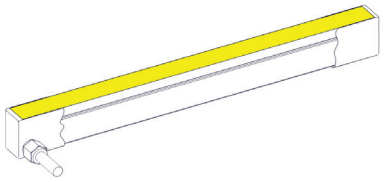
TRCE-H-MLEAD-E-F
Left End Cap Lead to Right Facing Front Lead with 10' Power Cable



TRCE-H-MLEAD-F-E
Left Facing Front Lead with 10' Power Cable to Right End Cap



TRCE-H-MLEAD-E-S
Left Facing End Cap Lead to Right Facing Side Lead with 10' Power Cable



TRCE-H-MLEAD-S-E
Left Facing Side Lead with 10' Power Cable to Right Facing End Cap

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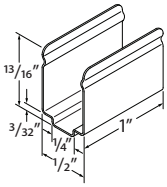
Junction Box

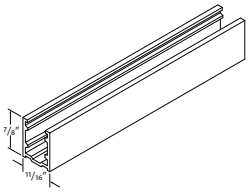
GELJB-3-01-BK
1/2/3 Wire IP67 Small Gel Filled Junction Box

GELJB-3-02-BK
1/2/3 Wire IP67 Medium Gel Filled Junction Box

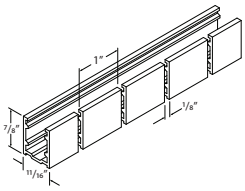
Mounting Options



TRCE-H-SLS-MTCLIPS
Mounting Clips Horizontal Profile, 2 Stainless Steel Clips, 2 Screws

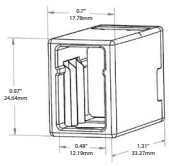


TRCE-H-SLV-SCHAN-6.5
Straight Channel Horizontal Profile
6.56' Length, Aluminum



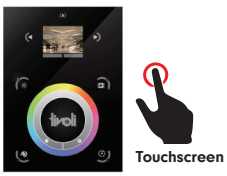
TRCE-H-SLV-NCHAN-6.5
Notched Channel Horizontal Profile
Radius Bend: 11"
6.56' Length, Aluminum

FLXD-SIL-GE-10
GE Silicone 10oz Tube
Use to adhere TRACE into entire run length of channel
10oz tube/25' bead length



TRCE-NS-H-EC
No-Screw End Cap, matte white
For in-field end of run

In-Wall Controls



TVOQ-10-XX-7
XX = **BK** (black), **WH** (white)
1024 DMX channel, 500 scene, 10 zone, glass touch screen

TVOQ-2-BK
Black, 512 DMX channel, 99 scene, 1 zone, glass touch screen

TVOQ-1-WHT
512 DMX channel, 16 scene, 4 zone, glass touch screen

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Power Supplies - Indoor

ADUL - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-120-1-4-24-D	Indoor / Damp	100-277V AC 50/60 HZ	24V DC	1	96W	4A
	ADUL-240-2-4-24-D				2	2x96W	2x4A
	ADUL-320-3-4-24-D				3	3x96W	3x4A

ADUL - 0-10V DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-120-1-4-24-DOT	Indoor / Damp	100-277V AC 50/60 HZ	24V DC	1	96W	4A
	ADUL-240-2-4-24-DOT				2	2x96W	2x4A
	ADUL-320-3-4-24-DOT				3	3x96W	3x4A

ADUL - DMX SINGLE ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-120-1-4-24-DIN	Indoor / Damp	100-277V AC 50/60 HZ	24V DC	1	96W	4A
	ADUL-240-2-4-24-DIN				2	2x96W	2x4A
	ADUL-320-3-4-24-DIN				3	3x96W	3x4A

ADUL - DMX MULTI ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-240-2-4-24-DIN-2	Indoor / Damp	100-277V AC 5o/60 Hz	24V DC	2	2x96W	2x4A
	ADUL-320-3-4-24-DIN-3				3	3x96W	3x4A

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Power Supplies - Indoor/Outdoor

INFINITY DIRECT- MLV / ELV / 0-10V / PWM / TRIAC

Note: For TRACE product select internal switch to Voltage Regulated option

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	MIN LOAD	CIRCUIT CAPACITY
Infinity Direct Series Class 2 Transformer	INF-DR-J-96-1-4-24	Indoor / Outdoor	100 - 277V AC	24V DC	1	96W	9W	4A
	INF-DR-J-192-2-4-24				2	2x96W	2x9W	2x4A
	INF-DR-J-288-3-4-24				3	3x96W	3X9W	3x4A

ADNM - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-90-1-4-24-D	Indoor / Outdoor	100-277V AC 50/60 HZ	24V DC	1	90W	3.75A
	ADNM-120-1-4-24-D				1	96W	4A
	ADNM-240-2-4-24-D				2	2x96W	2x4A
	ADNM-320-3-4-24-D				3	3x96W	3x4A

ADNM - 0-10V DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-90-1-4-24-DOT	Indoor / Outdoor	100-277V AC 50/60 HZ	24V DC	1	90W	3.75A
	ADNM-120-1-4-24-DOT				1	96W	4A
	ADNM-240-2-4-24-DOT				2	2x96W	2x4A
	ADNM-320-3-4-24-DOT				3	3x96W	3x4A

ADNM - DMX SINGLE ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-90-1-4-24-DIN	Indoor / Outdoor	100-277V AC 5o/60 Hz	24V DC	1	90W	3.75A
	ADNM-120-1-4-24-DIN				1	96W	4A
	ADNM-240-2-4-24-DIN				2	2x96W	2x4A
	ADNM-320-3-4-24-DIN				3	3x96W	3x4A

ADNM - DMX MULTI ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-240-2-4-24-DIN-2	Indoor / Outdoor	100-277V AC 5o/60 Hz	24V DC	2	2x96W	2x4A
	ADNM-320-3-4-24-DIN-3				3	3x96W	3x4A

ADNM - DMX/DALI FLICKER-FREE FOR TV STUDIO

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-120-1-4-24-DTV	Indoor / Outdoor	100-277V AC 50/60 HZ	24V DC	1	1x96W	1x4A
	ADNM-240-2-4-24-DTV				2	2x96W	2x4A
	ADNM-320-3-4-24-DTV				3	3x96W	3x4A

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Dimmers

DIMMING - 0-10V

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
0-10V Dimmer	DIM-LD-010	Indoor	12V/24V DC	12V/24V DC	30 mA max. output (sink only)

DIMMING - MLV

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
MLV Dimmer	N-600	Indoor	120V AC	120V AC	450W
	N-1000				800W
	N-1500				1200W
	D-600				450W
	M-600				450W
	M-1000				800W

DIMMING - ELV

DESCRIPTION	CAT NO	APPLICATION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD
ELV Dimmer	ME-600	Indoor	120V AC	120V AC	450W
	DE-300				300W

Dimmer + Driver

STANDARD STATIC DRIVER + DIMMER 2 IN 1

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
Standard Driver + Dimmer Static 2 in 1 Class 2	TDD-1-XXX-24	Indoor	120V AC 60Hz	24V DC	1	96W	4A

WIRELESS STATIC DRIVER + DIMMER 2 IN 1

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
Wireless Driver + Dimmer Static 2 in 1 Class 2	TDD-1-XXX-24-KIT	Indoor	120V AC 60Hz	24V DC	1	96W	4A

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