



PROJECT:	PRODUCT #:
TYPE:	DATE:
PREPARED BY:	AUTHORIZED BY*:
COMMENTS:	

OVERVIEW

The 8T Series of Commercial Grade LED Tape Light is designed to integrate with our patent-pending connector accessory system to simplify and speed up the installation of even the most complicated tape light design configurations. The tape features a flexible 2-layer circuit board that supports increased run lengths with less voltage drop. It then offers a push-in connector base every four inches with cut marks to either side. Eight unique connector accessories can install straight on (0-degrees) or rotated (180-degrees) – regardless of tape direction or polarity – and simply push into place.

FEATURES

- Available in Standard, High, and Ultra High output in 5 color temperatures: 2200K, 2700K, 3000K, 4000K, and 5000K
- An assortment of strips and rolls, ranging from 4" to 100'
- Compatible with 8 unique connector accessories that can decrease installation time in any design configuration
- Flexible 2-layer circuit board for extended run length: 67' Standard, 33' High, 10' Ultra High
- Field-cuttable on marked cut lines on either side of the connector
- Edge-to-edge 3M™ adhesive

SPECIFICATIONS

ELECTRICAL

Input Voltage	24VDC
Input Current	4A (Max)
Power	See Data Table
Connector	Patent Pending and Polarity Independent 8T Connector

PHOTOMETRICS

Light Source	2835 LED
LEDs per Foot	18
Color Temperature(s)	2200K/2700K/3000K/4000K/5000K
Color Rendering Index (CRI)	90 (Min), R9>50
Dimmable	Yes (With Compatible Low Voltage 24V Power Supplies)
Lumen Packages	See Data Table

RATINGS & CERTIFICATIONS

Location Rating	Dry
Operating Ambient Temperature	0°C – 50°C
Storage Ambient Temperature	-30°C – 85°C
Lumen Maintenance	L70 at >50,000 Hrs calculated per TM-21/LM-80
Safety Certification	cULus Listed, Class 2 Standard Output rated for closet use, U.S. only

MECHANICAL

Length	See ordering information table
Cut Length	4 inches on marked lines
Max Run Length	See Data Table
Width	10mm
Height	3.1mm (Tape with connector base; connector accessory will add height)

MOUNTING

Adhesive: 3M™ VHB

OPTICS

Beam Angle: 115° Avg.

WARRANTY

5yr 24/7 Operation

ACCESSORIES

See 8T Connector Accessories

DATA TABLE

Output	Max Run Legth	Watts/Foot	Lumens/Foot				
			2200K	2700K	3000K	4000K	5000K
Standard	67ft	1.5	95	120	125	130	135
High	33ft	3	175	205	210	220	220
Ultra High	10ft	7.2	410	520	565	575	575

8T TAPE LIGHT ORDERING MATRIX

Series		Product Type		Location Rating		Length		Output		CCT		Finish	
8	Commercial Grade	T	Tape Light	1	Dry	000	4"	S	Standard	22	2200K	WH	White
						001	12"			27	2700K		
						010	10'	H	High	30	3000K		
						033	33' *			40	4000K		
						067	67' **	U	Ultra High†	50	5000K		
						100	100'						

†High Output Only | ** Standard Output Only | †10ft Length Only

To form a complete product number, combine:

Series + Product Type + Location Rating + 3-Digit Length + Output + 2-Digit CCT + Finish = **8 T 1 001 H 27 WH**

8T Series Connector Accessories (Patent Pending)

FEATURES

- Push in, reliable connection
- Universal polarity at the connector for ease of installation (only wired connections need to maintain polarity)
- Provides 0 and 180 degree connection
- Tape-to-wire connectors allow the installer to utilize their preferred 20-22AWG wire to make custom length supply leads and jumpers
- Flexible connectors allow connections to bend around corners for new unique installation solutions
- Designed to carry the full load of Standard, High and Ultra High tape light outputs



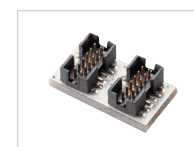
8T1TWR1WH
Tape-to-Wire



8T1TWF1WH
Tape-to-Wire, Flex



8T1TWR5WH
Tape-to-Supply Lead
72" - 18 AWG



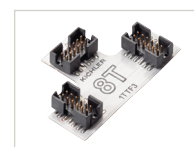
8T1TTR1WH
Tape-to-Tape



8T1TTF1WH
Tape-to-Tape, Flex



8T1TTF2WH
90° Tape-to-Tape, Flex



8T1TTF3WH
3-Way Tape-to-Tape, Flex



8T1TTF4WH
4-Way Tape-to-Tape, Flex

8T CONNECTOR ACCESSORIES ORDERING MATRIX

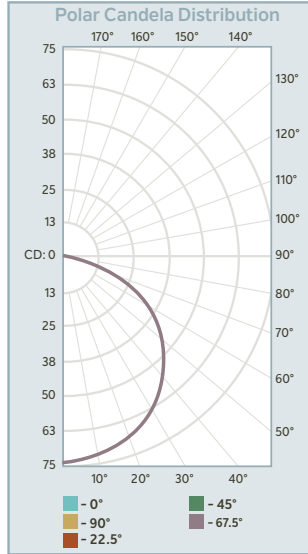
Series		Product Type		Location Rating		Connection Type		Material		Assembly		Finish	
8	Commercial Grade	T	Tape Light	1	Dry	TT	Tape-to-Tape	F	Flexible	1	Straight	WH	White
										2	90 Degree*		
										3	3-way "T" Connection*		
						TW	Tape-to-Wire	R	Rigid	4	4-way "X" Connection*		
						S	Supply Lead**						

*Flexible Only | ** Rigid Only

To form a complete product number, combine:

Series + Product Type + Location Rating + 2-Digit Connection Type + Material + Assembly + Finish = **8 T 1 TT F 3 WH**

Photometric Diagrams



	Illuminance at a Distance	
	Center Beam fc	Beam Width
17ft	.25 fc	53.7 ft
34ft	.06 fc	107.3 ft
51ft	.03 fc	161.0 ft
68ft	.02 fc	214.7 ft
85ft	.01 fc	268.4 ft
102ft	.01 fc	322.0 ft

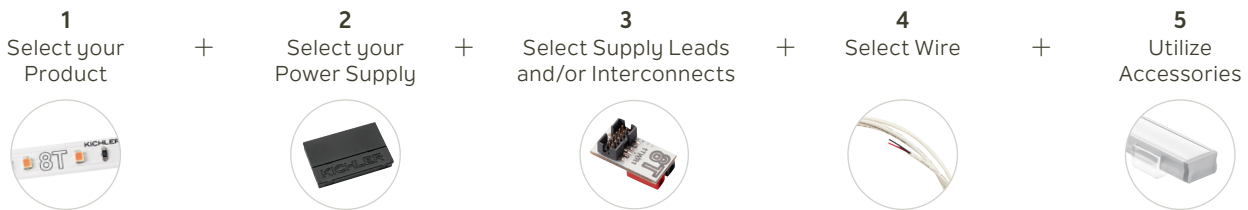
■ Vert. Spread: 115.3°
■ Horiz. Spread: 115.3°

3000K, High Output shown here.
 For more IES file information visit kichler.com/8t

Additional Components

The ability to build a lighting system is one of the many things that makes low-voltage LED tape and accent lighting so versatile. With the right components, you can install lighting just about anywhere your supply wire can take you, including TE-Series installations in commercial spaces, extensive coves in entertainment venues, and display lighting in retail locations. To build your system, you'll need:

Product + Power Supply + Supply Wire, Leads and Interconnects + Accessories = Light



Below are components frequently purchased together to create an accent lighting system. Utilize this guide to draft a quick spec, or refer to [Tape and Channels assortment](#) for additional sizes or models available.

LED Light Source						Connectors & Leads	Power Supplies	Accessories
8T LED Tape Light – 100' Roll						8T Tape Light Connector Accessories 8T1TWR1WH - Tape-to-Wire 8T1TTR1WH - Tape-to-Tape 8T1TWR5WH - Tape-to-Supply Lead	Driver + Dimmer All-in-one Driver and Dimmer Switch 6DD24V100WH – 100W 6DD24V060WH – 60W Direct Wire Dimmable Drivers 6TD24V96BKT – 96W 6TD24V60BKT – 60W 6TD24V40BKT – 40W 6TD24V10BKT – 10W	TE-Series Extruded Channels for Tape Light Standard Depth Surface Mount Kits 1TEK1STSF2SIL – 2' 1TEK1STSF4SIL – 4' 1TEK1STSF8SIL – 8' Standard Depth Recessed Mount Kits 1TEK1STRC2SIL – 2' 1TEK1STRC4SIL – 4' 1TEK1STRC8SIL – 8' 45-Degree Surface Mount Kits 1TEK145SF2SIL – 2' 1TEK145SF4SIL – 4' 1TEK145SF8SIL – 8'
Standard Output	2200K 8T1100S22WH	2700K 8T1100S27WH	3000K 8T1100S30WH	4000K 8T1100S40WH	5000K 8T1100S50WH			
High Output	2200K 8T1100H22WH	2700K 8T1100H27WH	3000K 8T1100H30WH	4000K 8T1100H40WH	5000K 8T1100H50WH			