

T-line track linear is a custom design that perfectly matches European 4-wires and North American 3-wires track rails.

This new track linear is a continuous seamless lighting with option in-between to install track spotlights, with various lens options according to projects requirements. This new track linear is totally tool-less and easy-to-install, saving time, cost and labor.

The T-LINE is an energy-efficient, low maintenance and easy to install alternative in track rails where traditional spotlights are the norm.



## Benefits

- Connector matches different famous rail brands and standards used worldwide.
- Compared to trunking linear fixtures, the luminaire of the T-line does not need to match the length neither the position of rail unit, in fact it can move flexibly sliding through the rail.
- Luminaire with movable driver to avoid rail joints.
- T-line and traditional track spotlights can be combined.
- 160lm/W for greater energy saving.
- Flexible wide range of selectable powers in a single LED driver.

## Applications

- Shopping mall stores.
- Boutiques.
- Showrooms.
- Supermarkets.
- Any indoor application where track rails are installed or in new projects using track rails and linear lighting is needed.

## Track linear luminaire

- Phase pre-selection via adaptor, track linear can be adjusted by moving right or left.
- 4-wires version (Europe): Maximum current of 10A, allowing 60pcs of 1500mm 35W in one consecutive row (220VAC power supply).
- 3-wires version (North America): Maximum current of 10A, allowing 30pcs of 1500mm 35W in one consecutive row (110VAC power supply).
- Flexible change of installation position, by sliding the luminaire.
- Installed in existing track rail.

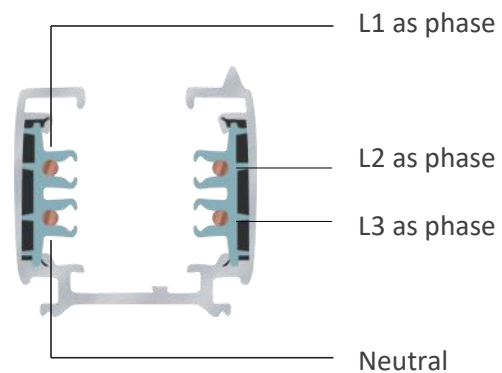


### Advantages

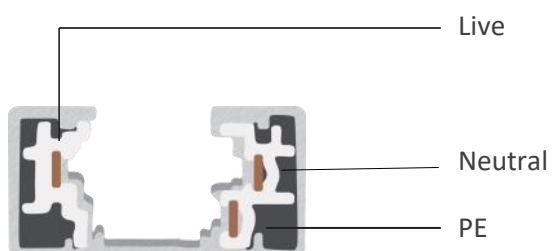
- Track spotlight can be installed in between.
- Track Linear can be used in existing track rails.

## Track rail: 4-wires/3 phases, European Standard

- 3 separated switchable circuits.
- The design of the adapter track box ensures an easy and intuitive fitting in the 3-phase rail.



## Track rail: 3-wires/1 phases, N. American Standard



- There is only 1 circuit the N. American standard track rail.

## Flexible solution



Flexible combination of spotlight and linear track.

The position of the track linear can move freely through the rail, by adjusting the lock position.

## Length Options

Different lengths with various powers are available.

Length	LxWxH	Power
600mm	600x60x11mm	14W/16W/18W/20W
1500mm	1493x60x11mm	35W/40W/45W/50W



### Specification

Lighting efficiency	160lm/W
CRI	>80Ra (Also available in CRI>90Ra)
CCT	2700/3000/3500/4000/5000/5700/6500K
Driver	Flicker/Non-flicker

# Beam Angle



Different diffuser lenses for different lighting distributions



Narrow  
60°  
UGR<19

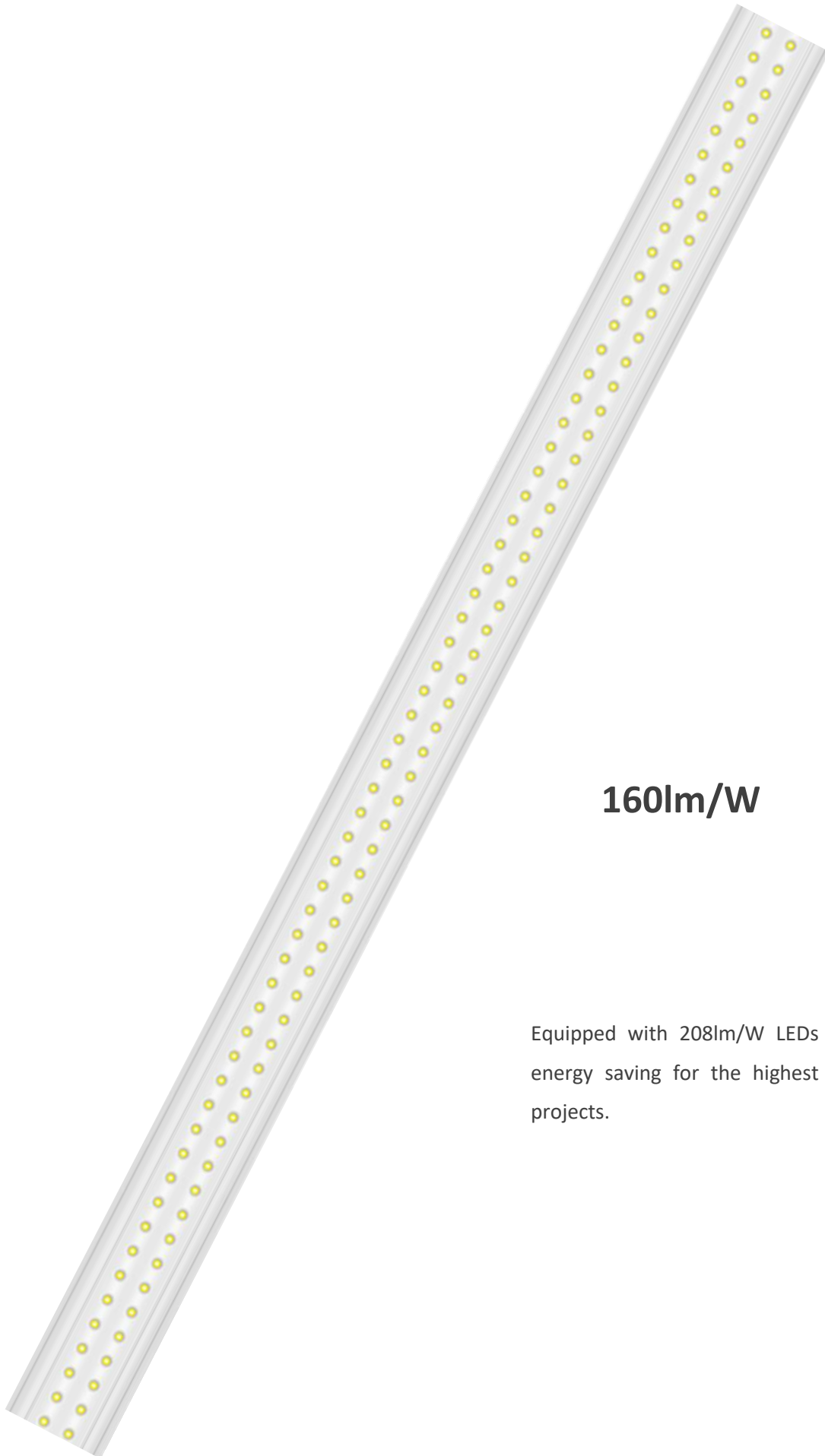


Wide  
90°



Flat  
120°

## Optics



**160lm/W**

Equipped with 208lm/W LEDs ensure the highest energy saving for the highest demanding lighting projects.

## Electrical Characteristics | Output Selectable Driver |

### Europe Standard | 20W/50W

#### Features

- Output selectable by DIP switch.
- Constant current LED driver.
- Universal voltage input range.
- Steel casing driver, encapsulated.
- Life time: 50,000 h.
- 5 year warranty.



#### Properties

- High efficiency  $\geq 90\%$
- Over voltage protection with automatic restart.
- Overload protection.
- Short-circuit protection with automatic restart.
- Surge voltage: 2.5KV.

Model No.	CSD2T-20	CSDTS-50
Power	20W max	50W max
Lumens	3200lm max	8000lm max
Input voltage	220-240VAC	220-240VAC
Input current	0.15A max	0.35A max
Output voltage	55-80V	55-80V
Output current	0.28A max	0.71A max
Inrush current	20A	20A
Mains frequency	50/60Hz	50/60Hz
Efficiency (Full load)	90%	92%
THD (Full load)	15%	15%
Surge voltage (L-N)	2.5KV	2.5KV
Turn on time (output)	$\leq 1s$	$\leq 1s$
Turn off time (output)	$\leq 1s$	$\leq 1s$
Hold on time at power failure	10ms	10ms
Operating humidity	10%---80%	10%---80%
Storage humidity	10%---80%	10%---80%
Ambient temperature $t_a$ (at life-time 50,000 h)	-25---60°C	-25---60°C
Max. Casing temperate	75°C	75°C
Storage temperature $t_s$	-40---85°C	-40---85°C

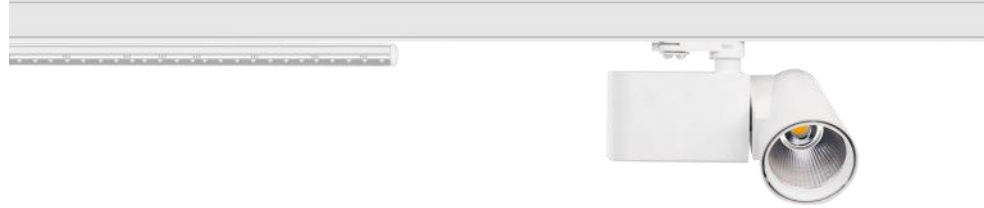


## Electrical Characteristics | Output Selectable Driver |

### N. American Standard | 20W/50W

#### Features

- Output selectable by DIP switch.
- Constant current LED driver.
- Universal voltage input range.
- Steel casing driver, encapsulated.
- Life time: 50,000 h.
- 5 year warranty.



#### Properties

- High efficiency  $\geq 87\%$
- Over voltage protection with auto-matic restart.
- Overload protection.
- Short-circuit protection with auto-matic restart.
- Surge voltage: 2.5KV.

Model No.	CSD1T-20	CSD1T-50
Power	20W max	50W max
Lumens	3000lm max	7500lm max
Input voltage	100-277VAC	100-277VAC
Input current	0.30A max	0.75A max
Output voltage	30-42V	30-42V
Output current	0.54A max	1.35A max
Inrush current	20A	20A
Insulation Resistance	$>100M\Omega@500VDC$	$>100M\Omega@500VDC$
Mains frequency	50/60Hz	50/60Hz
Efficiency (Full load)	87%	88%
PF (Full load)	0.90	0.90
THD (Full load)	15%	15%
Surge voltage (L-N)	2.5KV	2.5KV
Turn on time (output)	$\leq 1s$	$\leq 1s$
Turn off time (output)	$\leq 1s$	$\leq 1s$
Hold on time at power failure	10ms	10ms
Operating humidity	10%---80%	10%---80%
Storage humidity	10%---80%	10%---80%
Ambient temperature $t_a$ (at life-time 50,000 h)	-25---60°C	-25---60°C
Max. Casing temperate	75°C	75°C
Storage temperature $t_s$	-40---85°C	-40---85°C