

GENERAL DESCRIPTION

LED luminaire for **recessed** installation, replaces a 9/16" or 15/16" t-bar. The integrated design allows to create seamless continuous or discontinuous linear lighting arrangements that perfectly blend with the ceiling, consult factory. Snap-in frosted acrylic lens and aluminum extrusion t-grid bracket. Ideal for architecture and commercial environments.

CERTIFICATION

Approved to UL1598 and CSA C22.2 No. 250 standards**

Suitable for damp locations.



*LED Five (5) year limited warranty.

**Operating temperature: -20°C to +35°C / -4°F to +95 °F, consult factory for operating temperatures outside the listed range.

***Not all available products are DLC qualified. View DLC Qualified Products List at designlights.org to confirm which versions are qualified.

Specifications are subject to change. Please confirm latest specifications prior to placing order.

CONTROLS

[Click here for suggested control options](#)

PERFORMANCE SUMMARY 2FT AT 4000K

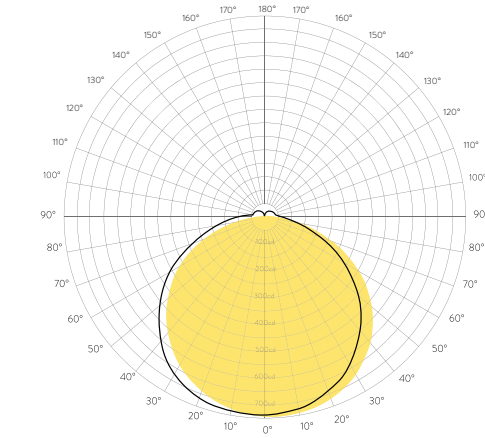
LUMENS(lm)	WATTAGE(W)	EFFICACY(lm/W)
1300	10	130

PERFORMANCE SUMMARY 4FT AT 4000K

LUMENS(lm)	WATTAGE(W)	EFFICACY(lm/W)
2600	20	130



PHOTOMETRIC DATA



TB-4-20W-35K

0°-180°
90°-270°

DIMENSIONS

STANDARD T-GRID CEILING

SIZE	L	W	H
2FT	24.00"	0.95"	0.51"
4FT	48.00"	0.95"	0.51"

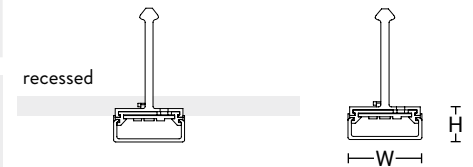
SLOT GRID CEILING

SIZE	L	W	H
2FT	24.00"	0.93"	0.48"
4FT	48.00"	0.93"	0.48"

FINE LINE CEILING

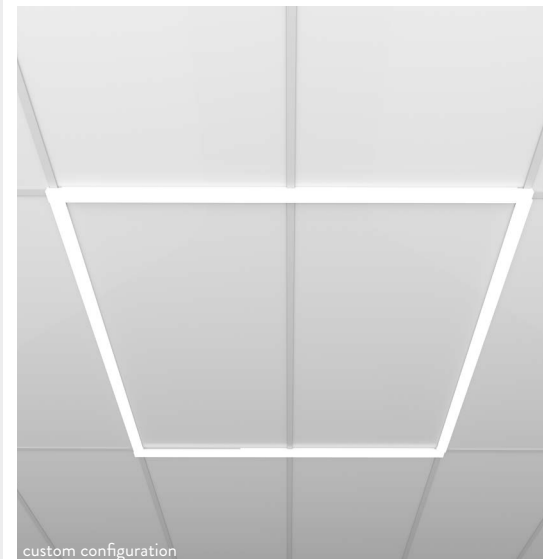
SIZE	L	W	H
2FT	24.00"	0.56"	0.48"
4FT	48.00"	0.56"	0.48"

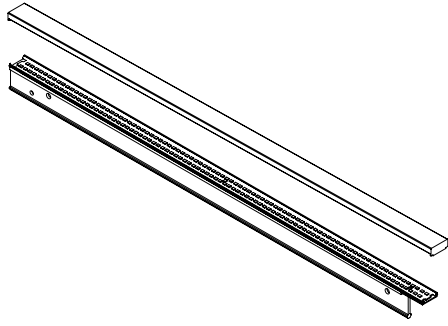
MOUNTING / CROSS SECTION



ORDERING INFORMATION

TB						MV
FIXTURE	LENGTH	WATTAGE	CCT	T-GRID SIZE	STYLE	DRIVER
TB = T-Bar	2 = 2ft	10W = 10 Watts	35K = 3500K 40K = 4000K	ST = Standard T-Grid Ceiling (15/16") SL = Slot Ceiling (9/16") FL = Fine Line Ceiling (9/16")	B = Custom Pattern	MV = Standard 120V-277V, 10% Dimming (0-10V)
	4 = 4ft	20W = 20 Watts				



**SHIELDING**

Snap-in frosted acrylic lens.

CONSTRUCTION

Aluminum extrusion t-grid bracket.

FINISH

High gloss white polyester baked powder coat enamel.

**LED LIGHT ENGINE**

Mounted on internal high reflectance white painted reflector.

LED DRIVER

10% Dimming (0-10V).

*DALI (Digital Addressable Lighting Interface), Lutron EcoSystem LED, and other drivers available, consult factory.

ELECTRICAL

3500K 4000K

120V - 277V

L80 performance at 60,000 hours minimum.

80 CRI Standard. Other dimming options, lumen options, 90CRI and lengths available, consult factory.

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DIMENSIONS**STANDARD T-GRID CEILING**

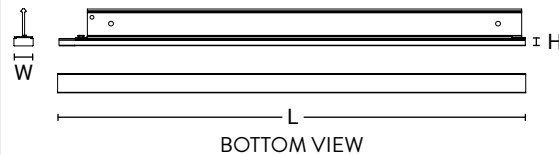
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FINE LINE CEILING

SIZE	L	W	H
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SLOT GRID CEILING

SIZE	L	W	H
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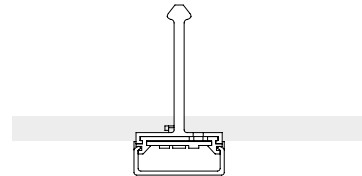
BOTTOM VIEW



TOP VIEW

MOUNTING / CROSS SECTION

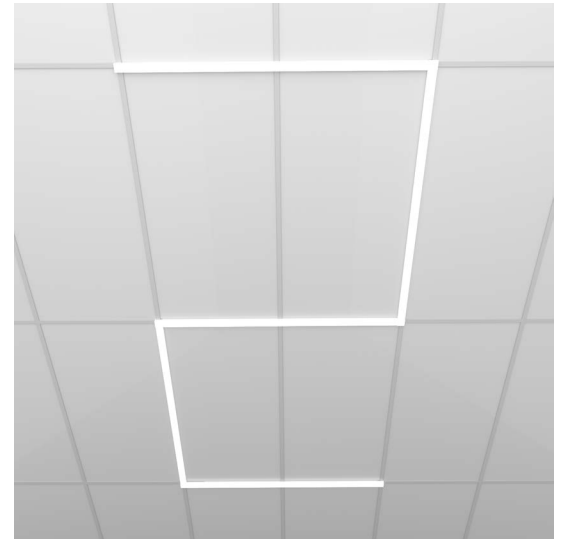
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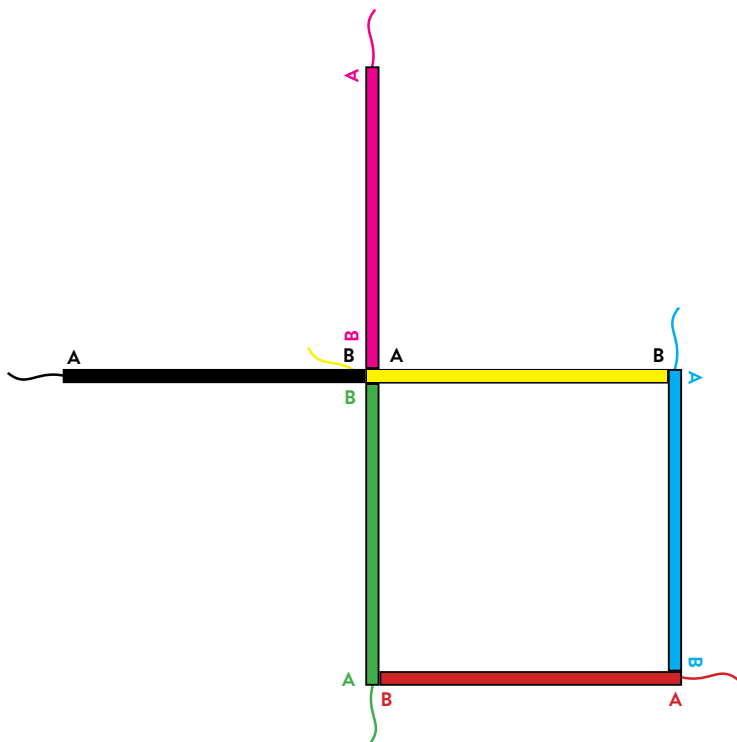
RECESSED

CUSTOM CONFIGURATIONS

The integrated design allows to create seamless continuous or discontinuous linear lighting arrangements that perfectly blend with the ceiling.

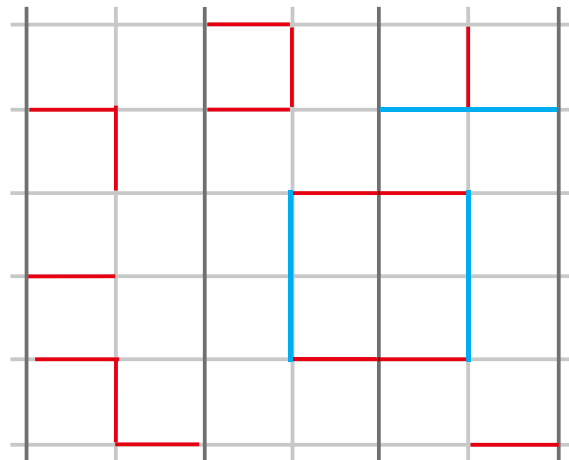


STYLE B = Custom Pattern



CUSTOM CONFIGURATIONS EXAMPLES

*Only one(1) A-END with wire in joint needed



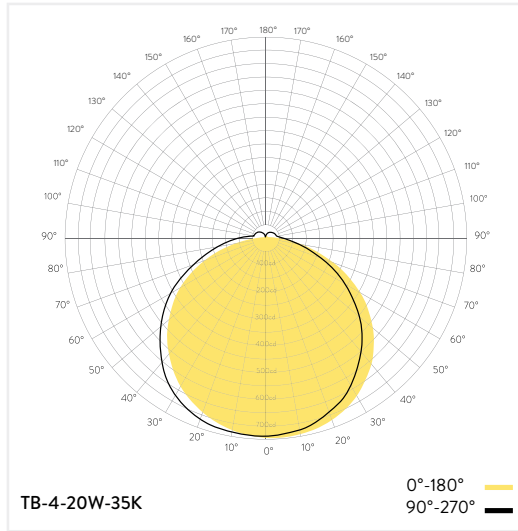
- 2FT fixture
- 4FT fixture
- Possible positions for T-grid LED light modules
- One-piece main runner cannot be replaced

INSTALLATION

TB linear lighting fixtures can be parallel connected 3pcs per power supply. Distance from fixtures to power supply is 8 feet with 24 AWG wire and RJ45 terminal, making for easy installation and safe wiring.



RECESSED



ZONAL LUMEN SUMMARY

Zone	Lumens
0.00°-10.00°	70.08
10.00°-20.00	202.72
20.00°-30.00	314.09
30.00°-40.00	389.15
40.00°-50.00	416.78
50.00°-60.00	391.71
60.00°-70.00	315.15
70.00°-80.00	200.05
80.00°-90.00	89.49
90.00°-100.00	37.42
100.00°-110.00	29.45
110.00°-120.00	25.79
120.00°-130.00	21.23
130.00°-140.00	16.21
140.00°-150.00	11.18
150.00°-160.00	6.59
160.00°-170.00	2.85
170.00°-180.00	0.67
0.00°-90.00	2389.22
90.00°-180.00	151.39
0.00°-180.00	2540.61

CONE OF LIGHT

Mtg Height	Light Level	Beam Diameter
6.0 ft	20.5 fc	20.7 ft
8.0 ft	11.5 fc	27.6 ft
10.0 ft	7.4 fc	34.5 ft
12.0 ft	5.1 fc	41.4 ft
15.0 ft	3.3 fc	51.8 ft

AVERAGE LUMINAIRE LUMINANCE (CD/M2)

	0.00°	45.00°	90.00°
0.00°	49132	49132	49132
45.00°	52719	51131	47937
55.00°	52860	50553	46645
65.00°	51241	48644	44734
75.00°	45218	45231	43755
85.00°	26810	57124	67557

WATTAGE & EFFICACY 2FT

TB-2-10W-35K	1300lm	3500K	10W	128lm/W
TB-2-10W-40K	1300lm	4000K	10W	130lm/W

WATTAGE & EFFICACY 4FT

TB-4-20W-35K	2500lm	3500K	20W	127lm/W
TB-4-20W-40K	2600lm	4000K	20W	130lm/W