

T-BAR LED | Order Specification Guide



Product Name	LED/K Color	Grid Size	Grid Type	Optic	Mounting Clips	Color	Options
TBSL = T-BAR LED	HW = 3000K	2 = 2 ft	24 = 15/16"	D = Diffusing Lens	U = Universal	W = White	CP = Chicago Plenum
	MW = 3500K	4 = 4 ft	15 = 9/16"	DW = Diffused White	A = Armstrong	B = Black	IP65 = IP65 <sup>2</sup>
	MN = 4000K	5 = 5 ft	15B = 9/16" Bolt Slot	B = Block Clear Diffusing Lens	W = Specialty Wood	C = Custom	POE = Power over Ethernet <sup>3</sup>
	CN = 5000K	4L	24C = 15/16" Partially Concealed Grid	B2 = Block Frosted Diffusing Lens	C = Custom		Optional EM Battery/Driver Kit available (sold separately).
		Metric		C2 = Multi-Reflector			
		6 = 60 cm		C2WH = White Multi-Reflector			
		12 = 120 cm		C2BL = Black Multi-Reflector			
	For tunable white, consult factory.	12L		A2 = Asymmetric <sup>1</sup>			
				S = Signage			

www.jlc-tech.com/patents

Power supply ordered separately.

<sup>1</sup>Not available in 24C

<sup>2</sup>Not available with C2

<sup>3</sup>Consult factory

Diffusing Lens (D)



Diffused White (DW)



Block Clear Diffusing Lens (B)



Block Frosted Diffusing Lens (B2)



Multi-Reflector (C2)



Asymmetric Lens (A2)



Signage (S)



**NOTES:**

T-BAR LED modules can be parallel connected up to 12 linear feet max per power supply. Remote power supply includes JB compartment for AC input direct wiring with metal conduit. Max distance from power supply to fixtures is 30 feet with 18 AWG wire. Longer distance achievable if using higher gauge wire. IP65 and Chicago Plenum optional ratings available.

[\\*Power supply ordered separately \(refer to website\).](#)

**APPLICATIONS:**

Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and elegant architectural lighting design.

**MOUNTING:**

Universal mounting brackets are for easy installation to standard 15/16" or 9/16" T-Bars of most manufacturers' ceiling suspension systems. Armstrong compatible mounting clips for installation with Armstrong Ceiling 15/16" Prelude® and Clean Room™, 9/16" Suprafine®, Silhouette®, Sonata® and Interlude® suspension systems. Compatible with Tegular, Lay-in, and Partially Concealed tiles. Mounting Clips "W" for grille and plank specialty wood ceilings, consult factory for ceiling specific shop drawings details.

**MATERIALS:**

Anodized and painted aluminum extruded body, steel mounting clips, white PC end caps, high transmitting acrylic PMMA lens, (D, DW, B/B2 Models), high reflectance 98% aluminum coated or white or black PC reflectors on each LED for a dark light effect, (C2 Models).

**ELECTRIC:**

Fixture consumes 16W total (2 foot) or 32W total (4 foot) or 40W total (5 foot). Power supply consumption not included. Input voltage 24VDC. Fixtures are 0-10V dimmable to 1% or DALI with remote power supply (sold separately). Class 2 plenum rated cables at each end equipped with quick connectors to allow multiple modules to be easily connected together (max 12 linear feet of product). Use solid copper wire or wire ferrules to fit into quick connectors.

[For EM Battery/Driver Kit, order separately.](#)

**WARRANTY:**

5 years

**LISTINGS:**

ETL/cETLus CE RoHS. Indoor use only. IC Rated. IP 40, IP 20 (C2 Models).

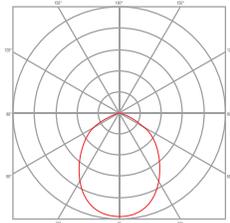
IP65 rated option

IP ratings are intended below finished ceiling



Photometrics CRI = >82

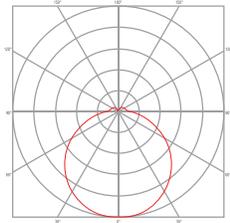
$L_{80} > 60K$  hrs



15/16" Diffusing Lens 4000K

D = Diffusing Lens

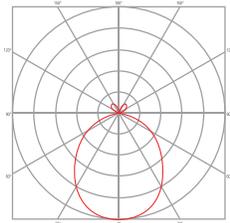
Grid Type	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
24 = 15/16"	584	8	75
15 = 9/16"	445	8	54



15/16" Diffused White Lens 4000K

DW = Diffused White

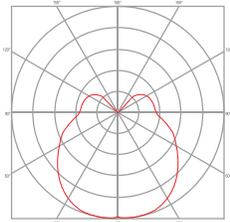
Grid Type	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
24 = 15/16"	532	8	73
15 = 9/16"	377	8	51



15/16" Block Clear Diffusing Lens 4000K

B = Block Clear Diffusing Lens

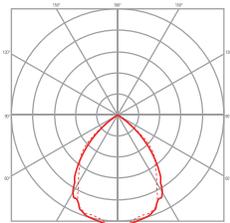
Grid Type	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
24 = 15/16"	564	8	72
15 = 9/16"	438	8	56



15/16" Block Frosted Diffusing Lens 4000K

B2 = Block Frosted Diffusing Lens

Grid Type	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
24 = 15/16"	586	8	75
15 = 9/16"	460	8	59

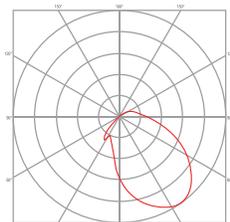


15/16" Multi-Reflector 4000K

C2 = Multi-Reflector (Metalized finish)

Grid Type	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
24 = 15/16"	784	8	100
15 = 9/16"	769	8	98

\*C2WH and C2BL IES files available on [www.jlc-tech.com](http://www.jlc-tech.com)



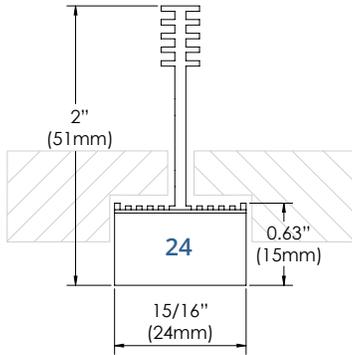
15/16" Asymmetric 4000K

A2 = Asymmetric

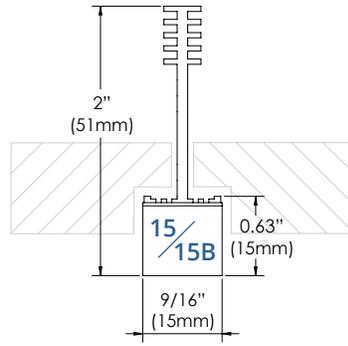
Grid Type	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
24 = 15/16"	582	8	75
15 = 9/16"	484	8	62

\*Complete photometric info and IES files are available for download at [www.jlc-tech.com](http://www.jlc-tech.com)

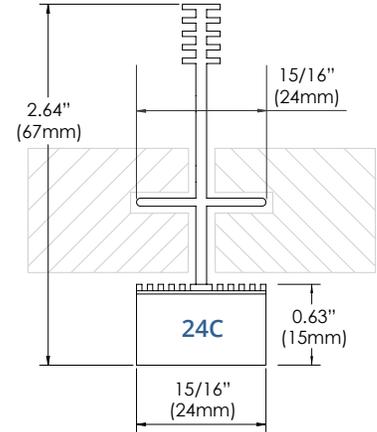
Profile Dimensions (Compatible with Tegular, Lay-in and Partially Concealed tiles)



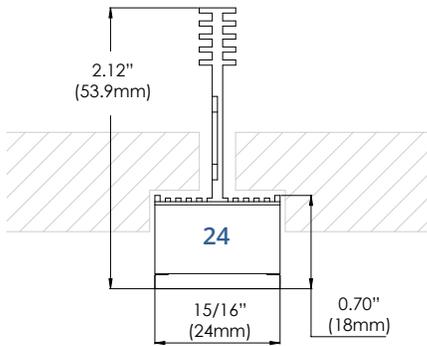
15/16" Diffusing Lens/Multi-Reflector  
TBSL-XX-X-24-D/C2-X-X



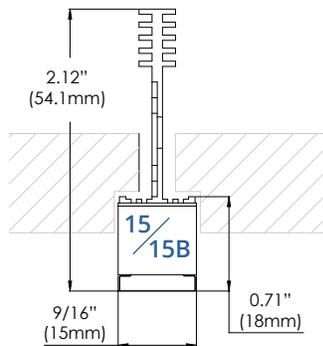
9/16" Diffusing Lens/Multi-Reflector  
TBSL-XX-X-15/15B-D/C2-X-X



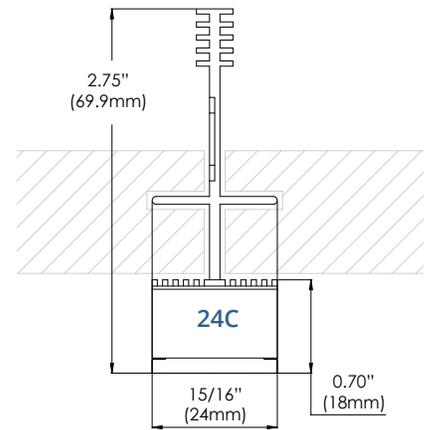
15/16" Concealed Diffusing Lens/Multi-Reflector  
TBSL-XX-X-24C-D/C2-X-X



15/16" Diffused White Lens  
TBSL-XX-X-24-DW-X-X

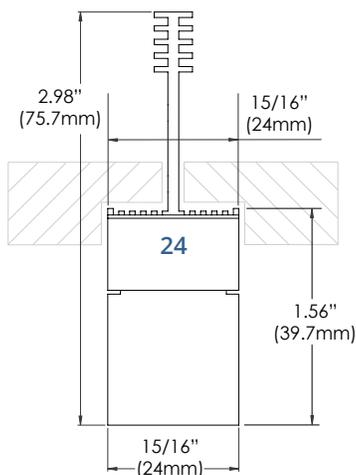


9/16" Diffused White Lens  
TBSL-XX-X-15/15B-DW-X-X

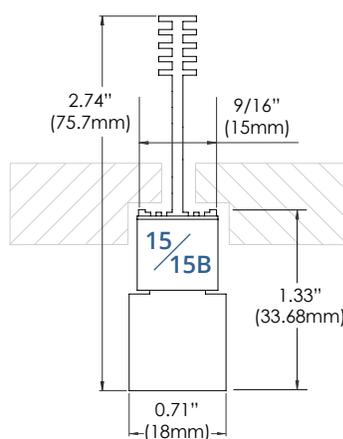


15/16" Concealed Diffused White Lens  
TBSL-XX-X-24C-DW-X-X

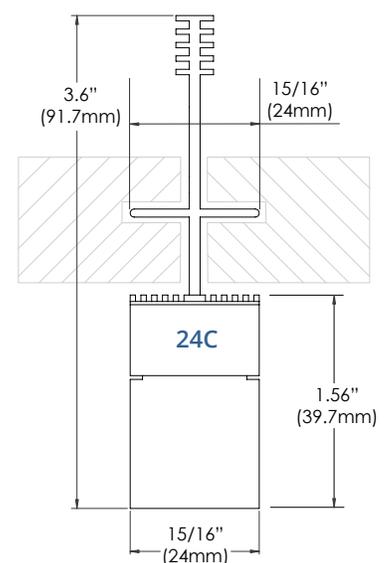
Clear block and frosted block variable heights 1/2" - 4" available, consult factory.



15/16" Block Lens  
TBSL-XX-X-24-B/B2-X-X

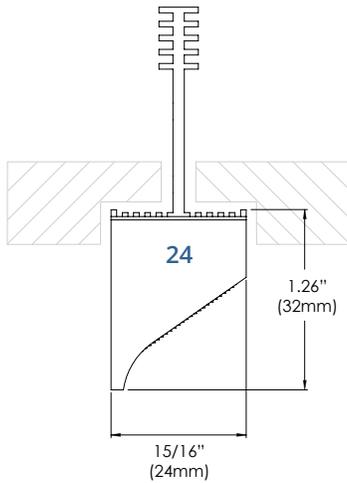


9/16" Block Lens  
TBSL-XX-X-15/15B-B/B2-X-X

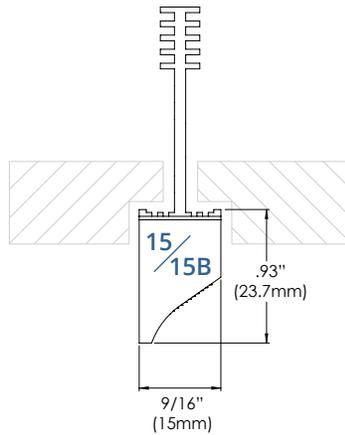


15/16" Concealed Block Lens  
TBSL-XX-X-24C-B/B2-X-X

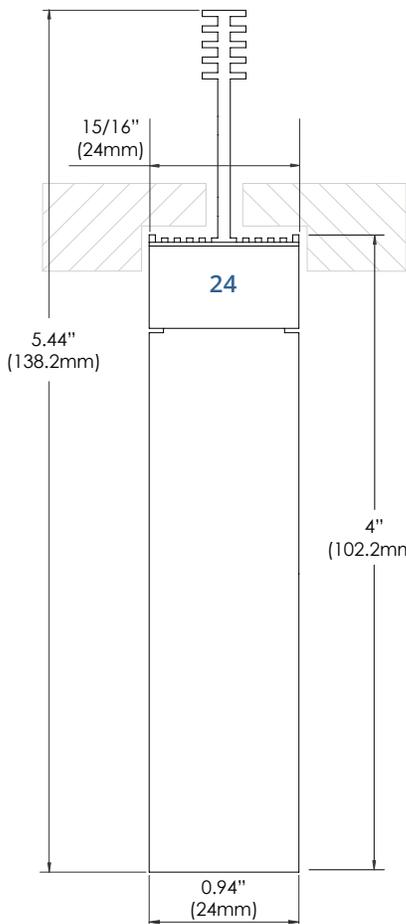
Profile Dimensions (Compatible with Tegular, Lay-in and Partially Concealed tiles)



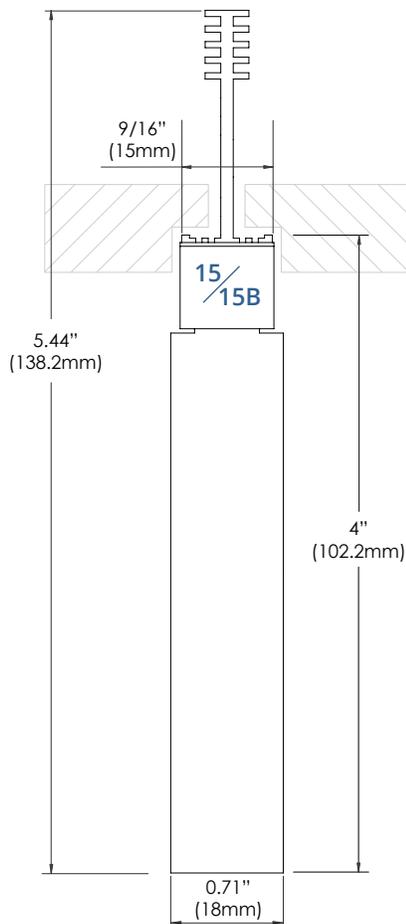
15/16" Asymmetric Lens  
TBSL-XX-X-24-A2-X-X



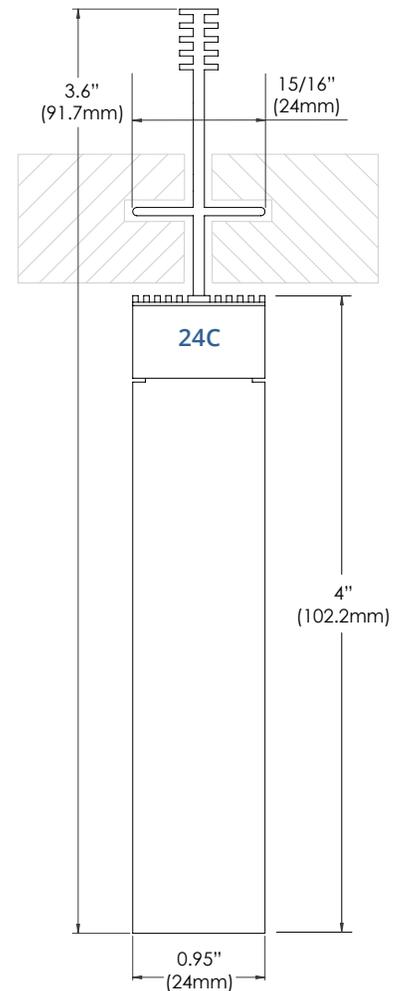
9/16" Asymmetric Lens  
TBSL-XX-X-15/15B-A2-X-X



15/16" Signage  
TBSL-XX-X-24-S-X-X

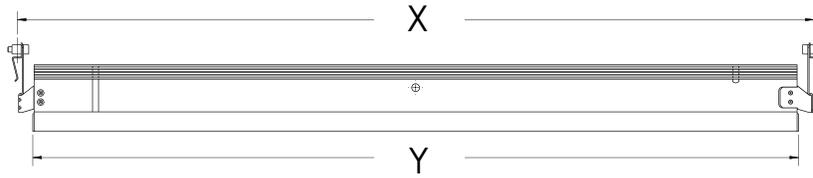


9/16" Signage  
TBSL-XX-X-15-S-X-X



15/16" Concealed Signage  
TBSL-XX-X-24C-S-X-X

Length Dimensions



Size	Grid Type	X	Y
2 = 2ft	15/15B = 9/16"	24"	23.4"
4 = 4ft	15/15B = 9/16"	48"	47.4"
5 = 5ft	15/15B = 9/16"	60"	59.4"
4L	15/15B = 9/16"	48"	24"

Size	Grid Type	X	Y
2 = 2ft	24 = 15/16"	24"	23"
4 = 4ft	24 = 15/16"	48"	47"
5 = 5ft	24 = 15/16"	60"	59"
4L	24 = 15/16"	48"	24"

Size	Grid Type	X	Y
2 = 2ft	24C = 15/16"	24"	23.7"
4 = 4ft	24C = 15/16"	48"	47.8"