

## T-BAR LED X-SERIES | Order Specification Guide

T-BAR LED® X-SERIES

Product Name	LED/K Color	Light Output	Grid Size	Grid Type	Optic	Mounting	Color	Driver	Options
TBLX = T-BAR LED X-SERIES	HW = 3000K	LO = Low	2 = 2 ft	24 = 15/16"	D = Diffusing Lens	U = Universal	W = White	UNV = 120-277 VAC 0-10V dimming	CP = Chicago Plenum
	MW = 3500K	MO = Medium	4 = 4 ft	15 = 9/16"	DW = Diffused White Lens	A = Armstrong	B = Black	DAL = 120-277 VAC DALI 2 dimming	IP = IP65
	MN = 4000K	HO = High	5 = 5 ft	15B = 9/16" Bolt Slot	B = Block Clear Diffusing Lens	C = Custom	C = Custom	DC = Acuity DC2DC 57V <sup>2</sup>	LA = Lutron Athena Wireless Node
	CN = 5000K		4L	15H = 9/16" High Efficiency <sup>1</sup>	B2 = Block Frosted Diffusing Lens			347 = 347 VAC 0-10V dimming <sup>3</sup>	NW = nLight® Wired
	TU = 2700K-6500K		Metric	15HB = 9/16" High Efficiency Bolt Slot <sup>1</sup>				POE = Power over Ethernet <sup>2</sup>	NA = nLight® Air <sup>2</sup>
	90 CRI available on request.	Custom lumen outputs available, consult factory.	6 = 60 cm 12 = 120 cm 12L	24C = 15/16" Partially Concealed Grid <sup>1</sup>					Optional EM Battery Kit available (sold separately).

www.jlc-tech.com/patents

<sup>1</sup> Cannot be used for geometric shapes<sup>2</sup> Consult factory<sup>3</sup> Not available with tunable white*Diffusing Lens (D)***NOTES:**

T-BAR LED X-SERIES is a 120-277VAC input, high efficiency LED fixture designed specifically for integration into suspension ceiling systems by directly replacing cross tees. On-board junction box includes driver and dimming connection.

**APPLICATIONS:**

Executive, Medical, Health, Educational, Retail, Hotels, Airport, Hospitality and any open space areas that require a unique and energy efficient 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.

**MATERIALS:**

Anodized and painted aluminum extruded body, steel junction box and mounting clips, PC end caps, high transmitting acrylic PMMA lens.

**ELECTRIC:**

Universal input voltage of 120-277VAC. Junction box installed on fixture with integral driver for connection to branch circuit and dimming system, (dimming to 1%). Fixture must be installed in accordance with local electrical codes.

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

For more information on integrated controls options, [refer to controls guide on website.](#)

**WARRANTY:**

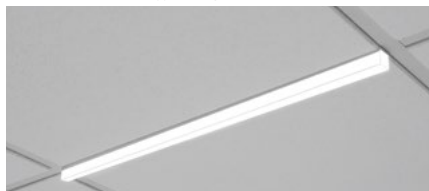
5 years limited warranty. For complete warranty terms, please visit our website.

**LISTINGS:**

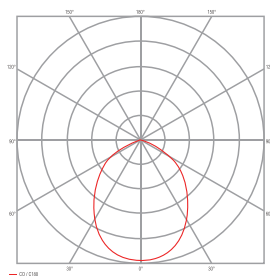
ETL/cETLus CE RoHS. Indoor use only. IC rated. IP 40.

IP65 rated option

IP ratings are intended below finished ceiling

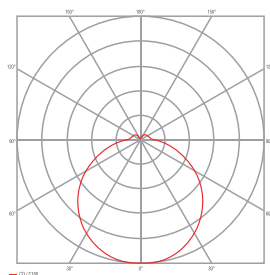
*Diffused White Lens (DW)**Block Clear Diffusing Lens (B)**Block Frosted Diffusing Lens (B2)*

Photometrics CRI = &gt;82

L<sub>80</sub> > 60K hrs15/16" & 9/16" High Efficiency  
Diffusing Lens 4000K

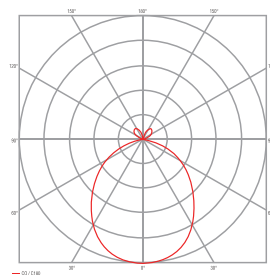
## Diffusing Lens – Grid Type: 24 and 15H/15HB

Light Output	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	389	3.3	118
<b>MO</b> = Medium	595	5.2	114
<b>HO</b> = High	1038	9.5	109

15/16" & 9/16" High Efficiency  
Diffused White Lens 4000K

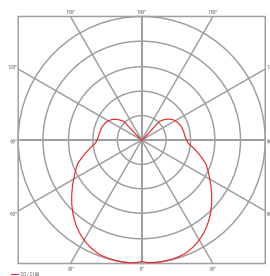
## Diffused White Lens – Grid Type: 24 and 15H/15HB

Light Output	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	337	3.3	102
<b>MO</b> = Medium	515	5.2	99
<b>HO</b> = High	900	9.5	95

15/16" & 9/16" High Efficiency  
Block Clear Diffusing Lens 4000K

## Block Clear Diffusing Lens – Grid Type: 24 and 15H/15HB

Light Output	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	370	3.3	112
<b>MO</b> = Medium	564	5.2	109
<b>HO</b> = High	995	9.5	105

15/16" & 9/16" High Efficiency  
Block Frosted Diffusing Lens 4000K

## Block Frosted Diffusing Lens – Grid Type: 24 and 15H/15HB

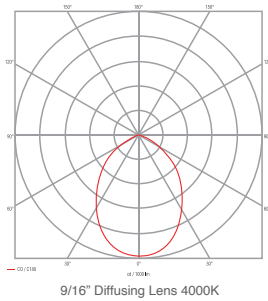
Light Output	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	389	3.3	118
<b>MO</b> = Medium	595	5.2	114
<b>HO</b> = High	1038	9.5	109

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

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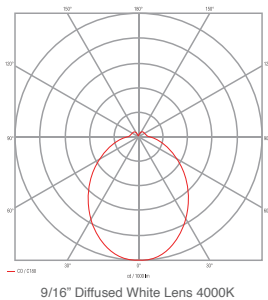


Photometrics CRI = &gt;82

L<sub>80</sub> > 60K hrs

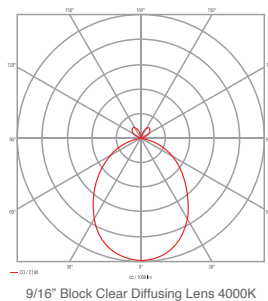
## Diffusing Lens – Grid Type: 15/15B

Light Output	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	282	3.3	85
<b>MO</b> = Medium	440	5.2	84
<b>HO</b> = High	806	9.5	85



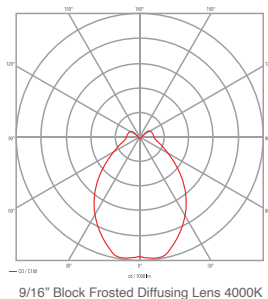
## Diffused White Lens – Grid Type: 15/15B

Light Output	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	196	3.3	60
<b>MO</b> = Medium	311	5.2	60
<b>HO</b> = High	560	9.5	59



## Block Clear Diffusing Lens – Grid Type: 15/15B

Light Output	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	274	3.3	83
<b>MO</b> = Medium	436	5.2	84
<b>HO</b> = High	797	9.5	84



## Block Frosted Diffusing Lens – Grid Type: 15/15B

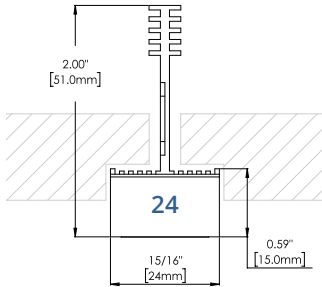
Light Output	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	280	3.3	85
<b>MO</b> = Medium	445	5.2	86
<b>HO</b> = High	813	9.5	86

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

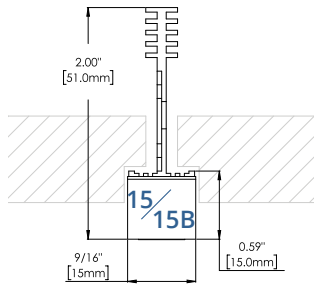
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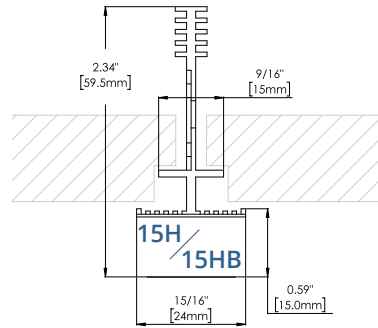
## Profile Dimensions (Compatible with Tegular, Lay-in and Partially Concealed tiles)



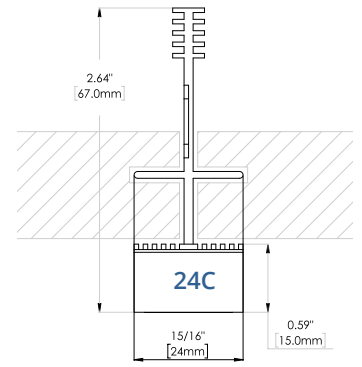
15/16" Diffusing Lens  
TB LX-XX-XX-X-24-D-X-X-UNV



9/16" Diffusing Lens  
TB LX-XX-XX-X-15/15B-D-X-X-UNV

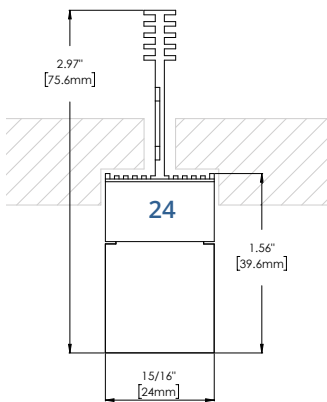


9/16" High Efficiency Diffusing Lens  
TB LX-XX-XX-X-15H/15HB-D-X-X-UNV

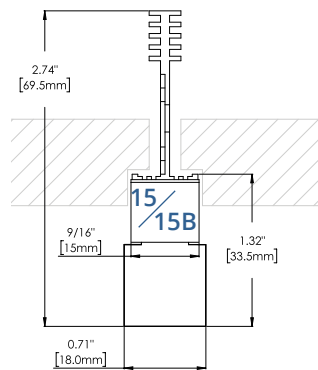


15/16" Concealed Diffusing Lens  
TB LX-XX-XX-X-24C-D-X-X-UNV

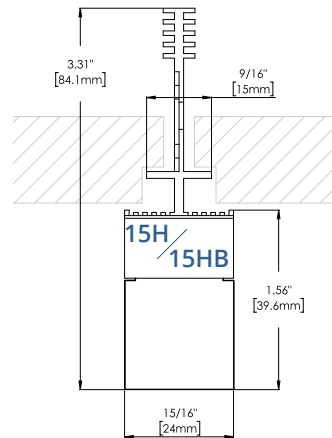
Clear block and frosted block variable heights 1/2" – 4" available, consult factory.



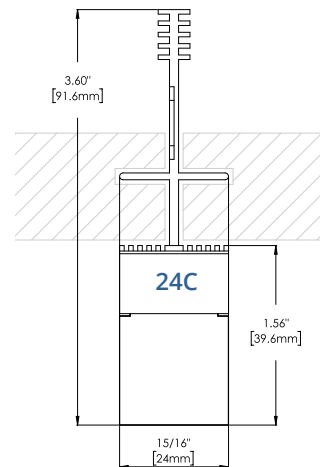
15/16" Block Lens  
TB LX-XX-XX-X-24-B/B2-X-X-UNV



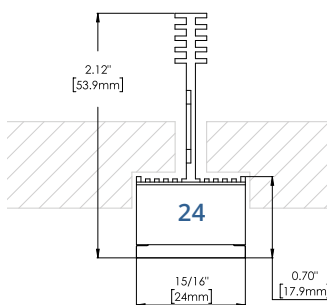
9/16" Block Lens  
TB LX-XX-XX-X-15/15B-B/B2-X-X-UNV



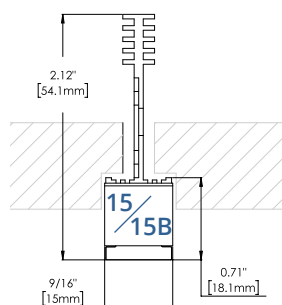
9/16" High Efficiency Block Lens  
TB LX-XX-XX-X-15H/15HB-B/B2-X-X-UNV



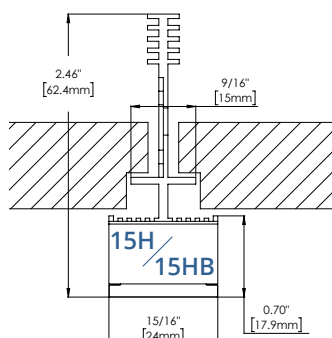
15/16" Concealed Block Lens  
TB LX-XX-XX-X-24C-B/B2-X-X-UNV



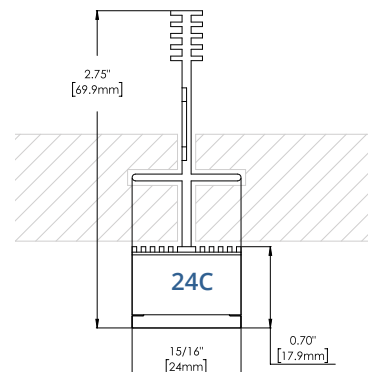
15/16" Diffused White Lens  
TB LX-XX-XX-X-24-DW-X-X-UNV



9/16" Diffused White Lens  
TB LX-XX-XX-X-15/15B-DW-X-X-UNV

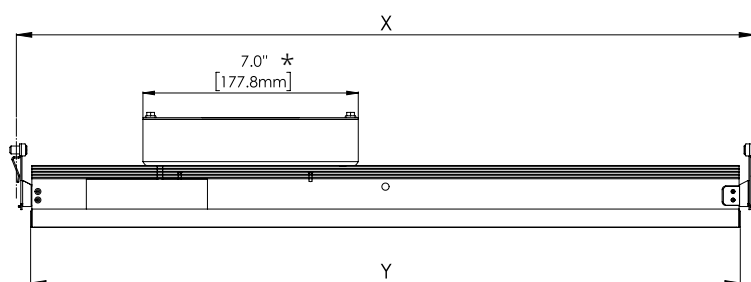
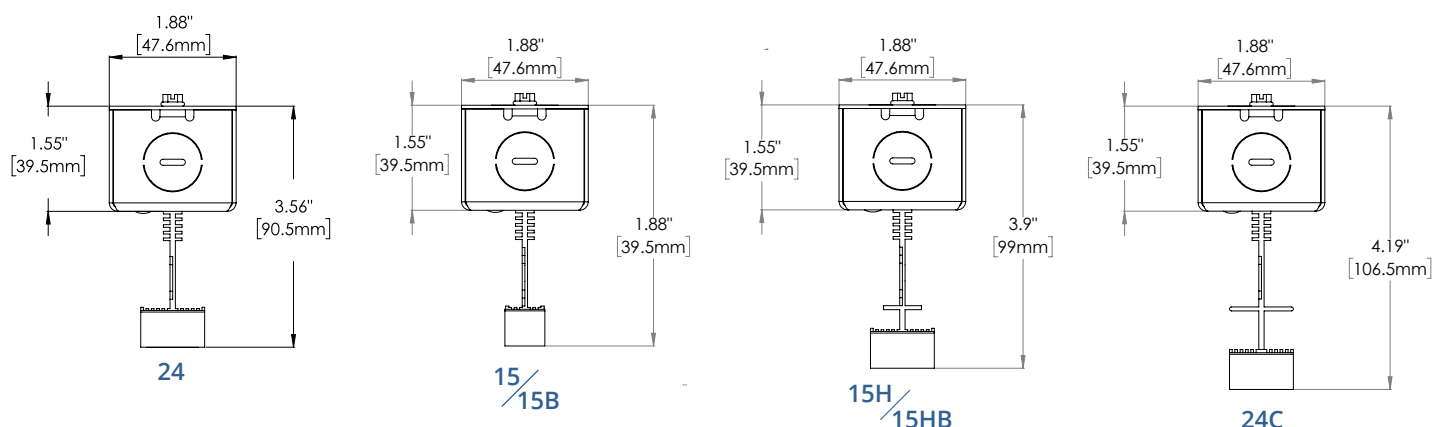


9/16" High Efficiency  
Diffused White Lens  
TB LX-XX-XX-X-15H/15HB-DW-X-X-UNV



15/16" Concealed Diffused White Lens  
TB LX-XX-XX-X-24C-DW-X-X-UNV

## Length Dimensions



\* Junction box length may be different for options other than standard universal input 0-10V dimming driver. For tunable white or other drivers/controls options, [refer to the controls guides on website for more information.](#)

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	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	15H/15HB = 9/16"	24"	23.4"
4 = 4ft	15H/15HB = 9/16"	48"	47.4"
5 = 5ft	15H/15HB = 9/16"	60"	59.4"
4L	15H/15HB = 9/16"	48"	23.4"

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