

T-BAR FLEX | Order Specification Guide

T-BAR FLEX®

Product Name	LED/K Color	Light Output	Grid Size	Grid Type	Optic	Mounting Clips	Color	Driver	Options
TBFL = T-BAR FLEX	HW = 3000K	LO = Low	16 = 75° 24" MBS	15 = 9/16"	D = Diffusing Lens	A = Armstrong® DesignFlex® Ceilings	W = White B = Black C = Custom	UNV = Universal 120–277V 0–10V dimming POE = Power over Ethernet*	CP = Chicago Plenum  Optional EM Battery Kit available (sold separately).
	MW = 3500K	MO = Medium	22 = 60° 24" MBS		DW = Diffused White Lens				
	MN = 4000K	HO = High	30 = 45° 24" MBS		B = Block Clear Diffusing Lens				
	HN = 4500K		41 = 75° 48" MBS		B2 = Block Frosted Diffusing Lens				
	CN = 5000K		49 = 60° 48" MBS						
	90 CRI available, on request.	Custom lumen outputs available, consult factory.	64 = 45° 48" MBS (MBS = Main Beam Spacing)						

www.jlc-tech.com/patents

\*For PoE, consult factory

Optional Accessory	Grid Size	Color
TBFL-PA = T-BAR FLEX Perimeter Accessory**	15 = 9/16"	W = White B = Black C = Custom

\*\*See page 4 for additional info

Diffusing Lens (D)



Diffused White Lens (DW)



Block Clear Diffusing Lens (B)



Block Frosted Diffusing Lens (B2)



NOTES:

T-BAR FLEX is designed for seamless integration into DESIGNFlex® Ceiling Systems by Armstrong® Ceilings. Create unique shapes and patterns beyond the traditional ceiling layout. Armstrong Ceiling clips allow for easy installation, just as you would install a typical XM cross tee.

APPLICATIONS:

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

MOUNTING:

Integrates with Armstrong Ceilings DESIGNFlex 9/16" Suprafine® Suspension Systems. Compatible with Tegular and Lay-in tiles.

MATERIALS:

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

ELECTRIC:

Universal input voltage of 120V – 277VAC. Junction box installed on fixture with integral driver and wire nuts inside for connection to line voltage and 0-10VDC dimming system. Fixture must be installed in accordance with local electrical codes. For EM Battery Kit order separately. PoE options available, consult factory.

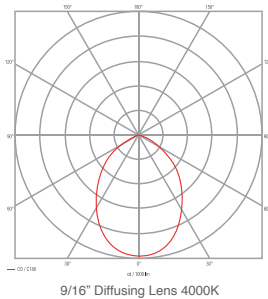
WARRANTY:

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

LISTINGS:

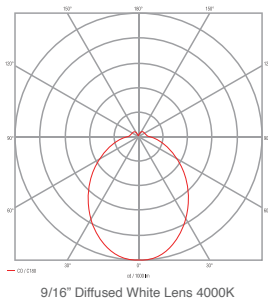
ETL/cETLus CE RoHS Indoor use only.

Photometrics CRI = &gt;82

 $L_{80} > 60K$  hrs

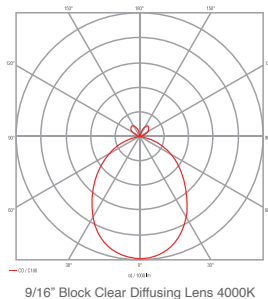
## Diffusing Lens – Grid Type: 15

Code Selection	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	354	4.2	84
<b>MO</b> = Medium	472	5.5	86
<b>HO</b> = High	902	10.6	85



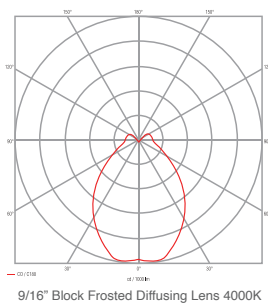
## Diffused White Lens – Grid Type: 15

Code Selection	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	255	4.2	61
<b>MO</b> = Medium	340	5.5	62
<b>HO</b> = High	650	10.6	61



## Block Clear Diffusing Lens – Grid Type: 15

Code Selection	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	351	4.2	84
<b>MO</b> = Medium	468	5.5	85
<b>HO</b> = High	893	10.6	84

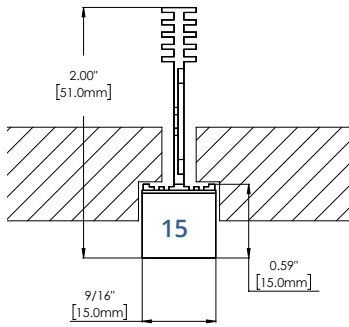


## Block Frosted Diffusing Lens – Grid Type: 15

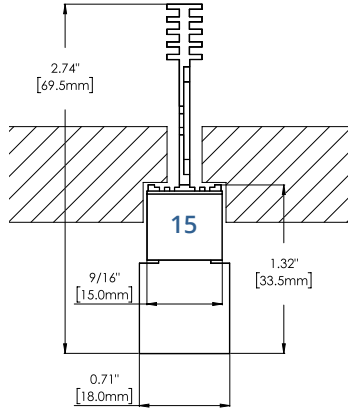
Code Selection	Output (lm/ft)	Power (watts/ft)	Efficacy (lm/W)
<b>LO</b> = Low	358	4.2	85
<b>MO</b> = Medium	477	5.5	87
<b>HO</b> = High	911	10.6	86

Above photometric data based on 30" T-BAR FLEX model, refer to IES files for more specific information.

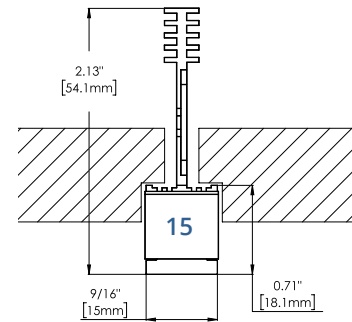
## Profile Dimensions (Compatible with DESIGNFlex Ceiling Tiles)



9/16" Diffusing Lens  
TBFL-XX-X-15-D-A-X-X



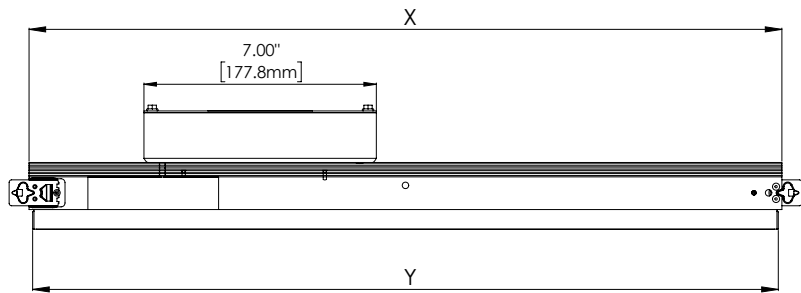
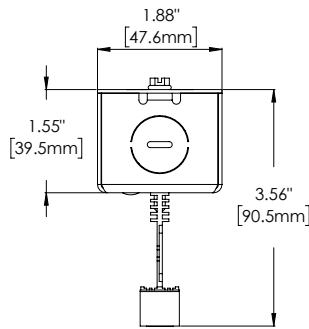
9/16" Block Lens  
TBFL-XX-X-15-B/B2-A-X-X



9/16" Diffuse White  
TBFL-XX-X-15-DW-A-X-X

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

## Length Dimensions



Grid Size	Description	Grid Type	Replaces DESIGNFlex® ceiling T code	X	Y
16	75° 24" MBS	9/16"	XM757524	16.92"	16.67"
22	60° 24" MBS	9/16"	XM756024	22.68"	22.42"
30	45° 24" MBS	9/16"	XM754524	30.43"	30.17"
41	75° 48" MBS	9/16"	XM757548	41.66"	41.41"
49	60° 48" MBS	9/16"	XM756048	49.51"	49.25"
64	45° 48" MBS	9/16"	XM754548	64.37"	64.11"

\* Diffusing Lens 4000K

MBS = Main Beam Spacing

For DESIGNFlex square and rectangle patterns please refer to T-BAR LED® product line at [www.jlc-tech.com](http://www.jlc-tech.com)

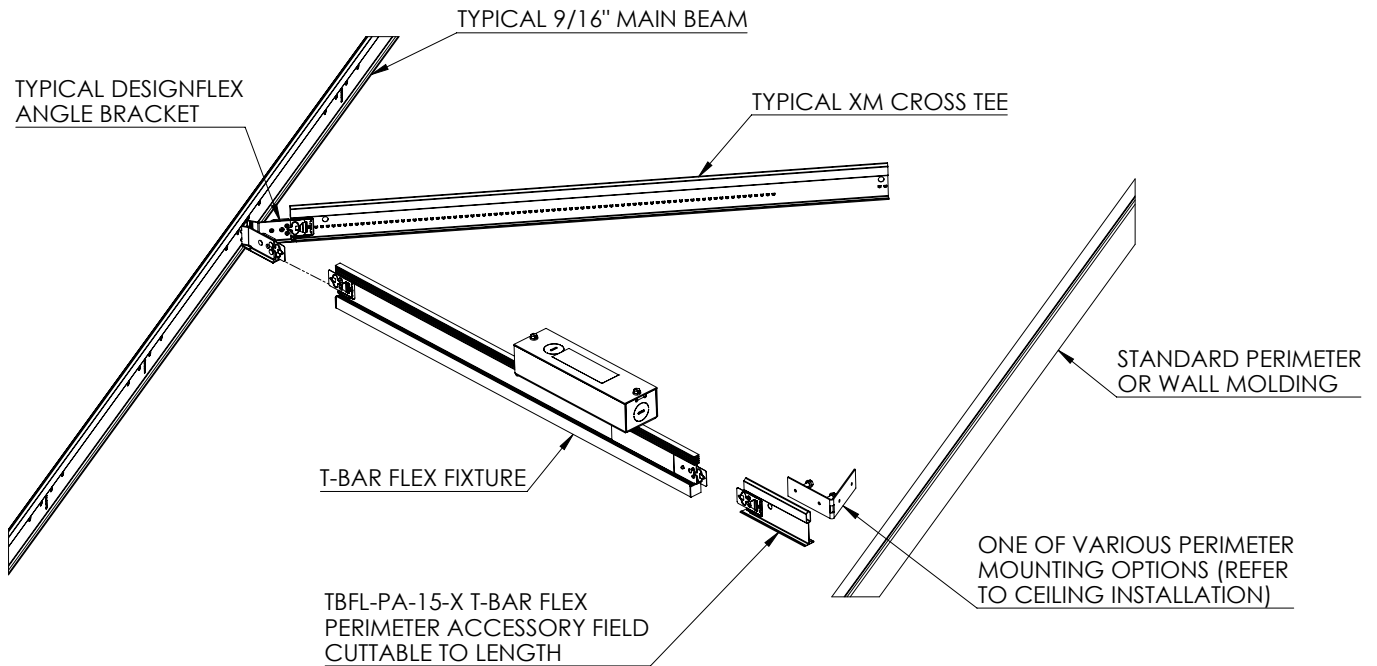
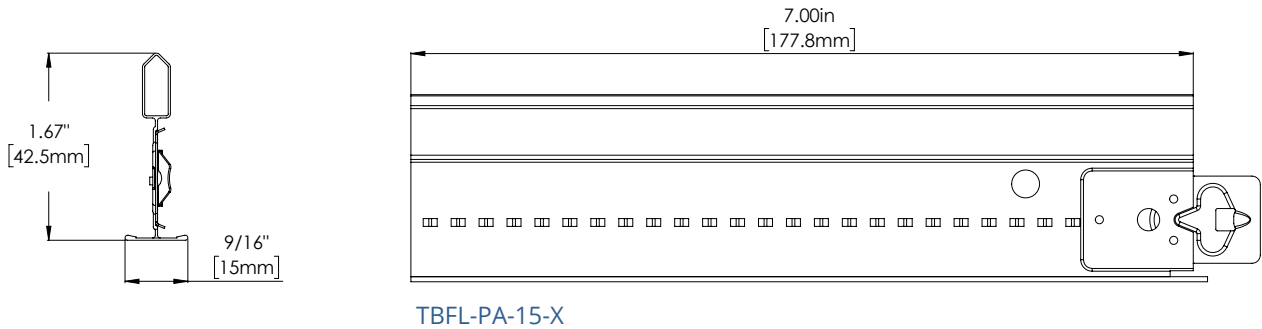
**Armstrong®**  
World Industries



The T-BAR FLEX® is specifically designed for DESIGNFlex® Ceilings Systems by Armstrong® Ceilings Solutions. To learn more about this ceiling system visit [www.armstrongceilings.com/designflex](http://www.armstrongceilings.com/designflex)

## Perimeter Kit Accessory Dimensions

A T-BAR FLEX Perimeter Accessory is only necessary in DESIGNFlex ceilings when the T-BAR FLEX fixture is abutting the perimeter trim of a ceiling cloud or the wall molding.



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