techoLED®
BROOKLYN • NY

BX-3L-R SERIES

Rev. Date: 09/08/2026

Project:	Type:
	Comments:



Highlights

The TechoLED BX series features specification-grade linear LED fixtures made from high-grade aluminum extrusions. Available in standard sizes from 2 to 8 feet, as well as custom lengths, recessed installation in variety of ceiling and materials. With virtually limitless options for creating patterns and shapes, the BX series provides a versatile, cost-effective, and modern lighting solution.

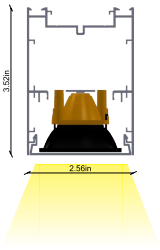
LED: Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

Optical: Direct illumination, multiple beam angles available (110° beam angle on solid lens), UGR<19

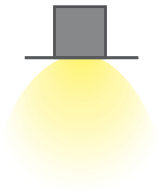
Construction: Damp location listed, high grade aluminum extrusion, die cast end caps, PMMA diffuser, powder coat finish. X, T, L lit corners, wall to ceiling transitions, for smooth seamless patterns.

5-year limited warranty

Cross Section



Installation



Reccessed
(R)

techoLED®
BROOKLYN • NY

BX-3L-R SERIES

Rev. Date: 09/08/2026

Project:	Type:
	Comments:

Configuration Example

Model #	Distribution	Length	Lumen Output	Color Temp.	Beam Angle	Voltage
TECHOLED-BX-3L-R-D-2-ME-27-15-U	Direct	2'	Medium	2700K	15°	110-270V

Ordering Guide:

Select one option from each group below. For a custom preference please contact sales@techoled.com

1-FIXTURE ID	2-DISTRIBUTION	3-LENGTH	4-LUMEN OUTPUT
BX-3L-R	**D** Direct	**2** 2´	**ME** Medium
		4 4´	
		6 6´	
		8 8´	
		C Custom	

5-COLOR TEMP.	6-BEAM ANGLE	7-VOLTAGE	8-FINISH
27 2700K	**15** 15°	**U** 110-277V	**B** Black
30 3000K	**30** 30°	**HV** 347V	**C** Custom (RAL#)
35 3500K	**45** 45°		**S** Silver
40 4000K			**W** White
50 5000K			
DT Lutron T-series			
RGB RGB			
D Tunable White			

9-MOUNTING	10-DRIVER OPTIONS	11-OPTIONS
R Recessed	**DM** 0-10V Dimming	**RF-D** Remote Tunable (RF only)
RP Recessed (mud-in)	**2C** 2 Channel	**RF-R** Remote RGB/W (RF only)
TG9 TG9	**DM1%** 1% Dimming	**M** Motion Sensor (remote)
TG15 TG15	**LT1** LDE1 Lutron 1%	**BM** BubblyNet BT Mesh
	DA Dali	**CS** Casambi
	DMX DMX	**AWNR** Lutron Athena Node
	TR Triac Dimming	**AWNS** Lutron Athena Node sensor
	RF RF Wireless	**NL-ES7** nLight - Wired
	X None	**NL-AIR** nLight - AIR
		NL-M nLight - Module only
		X None

Project:	Type:
	Comments:

Lumen Output Details

Model #	Size	Color Temp.	Wattage	Lumen Output	Lumens / ft	Light Source
TECHOLED-BX-3L-R-D-2-ME-30	2'	3000K	20W	1900Lm	950	10 spots
TECHOLED-BX-3L-R-D-4-ME-30	4'	3000K	20W	1900Lm	475	10 spots
TECHOLED-BX-3L-R-D-6-ME-30	6'	3000K	30W	2850Lm	475	15 spots
TECHOLED-BX-3L-R-D-8-ME-30	8'	3000K	60W	5700Lm	713	30 spots

Performance above applies to 90 CRI, 3000K. Calculate 96% for 2700K, 104% for 3500K and 109% for 4000K

Performance

Output	Lumens / W	W / spot
Medium	95	2

Driver Option Details

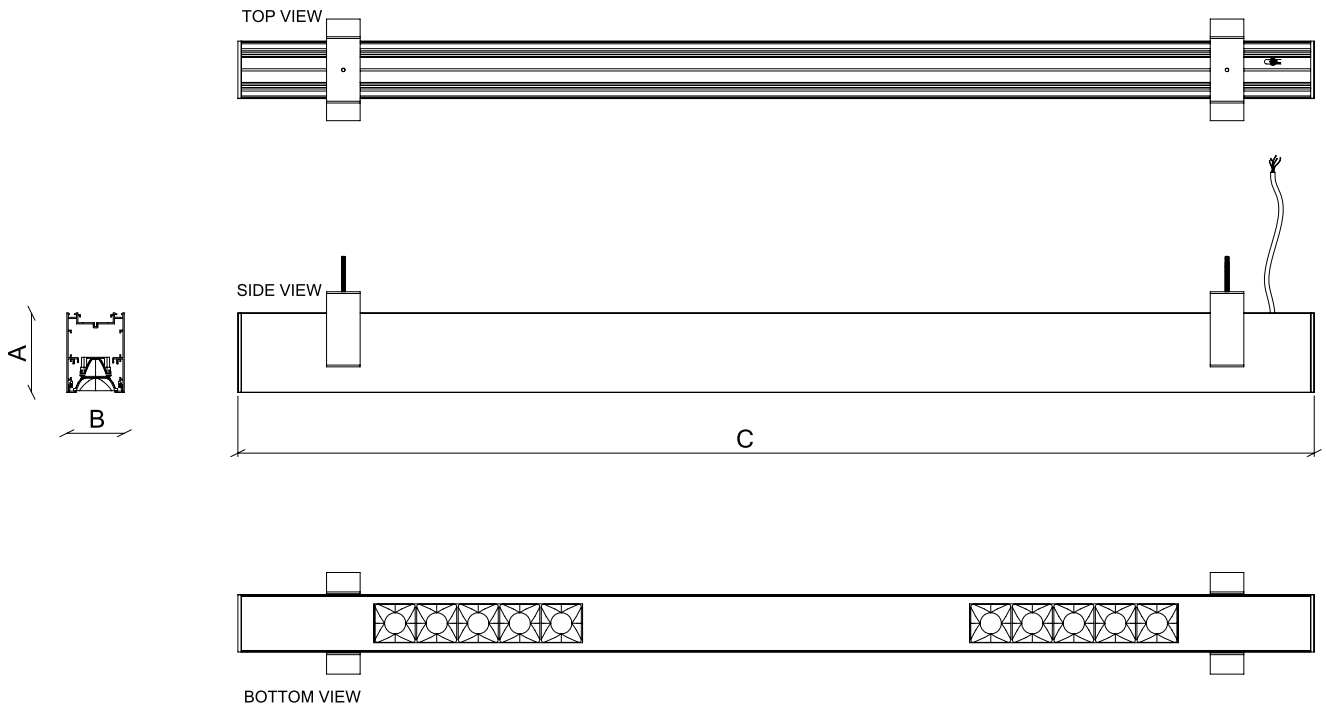
Code	Description
LT1	**LDE1** -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
DA	**DALI**
DMX	**DMX** - Decoder provided by TechoLED, controller by others

Controls Details

Code	Description
RF-D	**RF Wireless** remote controller for tunable white. **Default for tunable white.**
RF-R	**RF Wireless** remote controller for RGB & RGBW. **Default for RGB & RGBW.**
M	**Motion Sensor** - remote, for integral sensor consult factory
BM	**Bluetooth Mesh** Smart Wireless Control by BubblyNet
CS	**Bluetooth Mesh** Smart Wireless Control by Casambi
AWNR	**Lutron Athena** wireless node
AWNS	**Lutron Athena** wireless node with sensor
NL-ES7	**Acuity nLight** – Wired nES7 sensor
NL-AIR	**Acuity nLight** – AIR wireless rES7 sensor
NL-M	**Acuity nLight** - ready, sensor by others

Project:	Type:
	Comments:

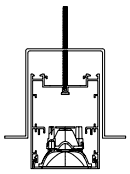
Dimension and Mounting - Direct Distribution (D)

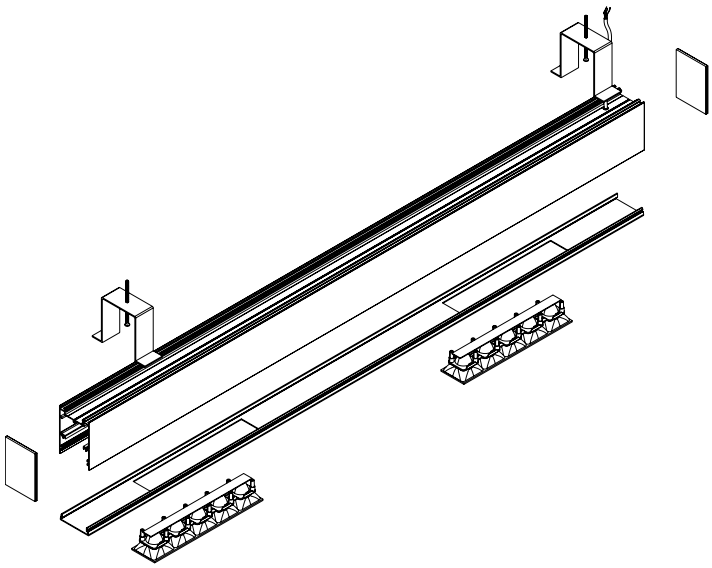


FIXTURE ID	A	B	C
BX-3L-R-D-2	3.5"	2.6"	24"
BX-3L-R-D-4	3.5"	2.6"	48"
BX-3L-R-D-6	3.5"	2.6"	72"
BX-3L-R-D-8	3.5"	2.6"	96"

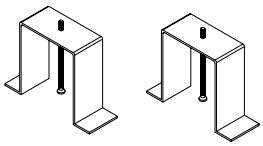
Project:	Type:
	Comments:

Recessed (D)

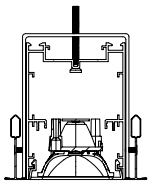


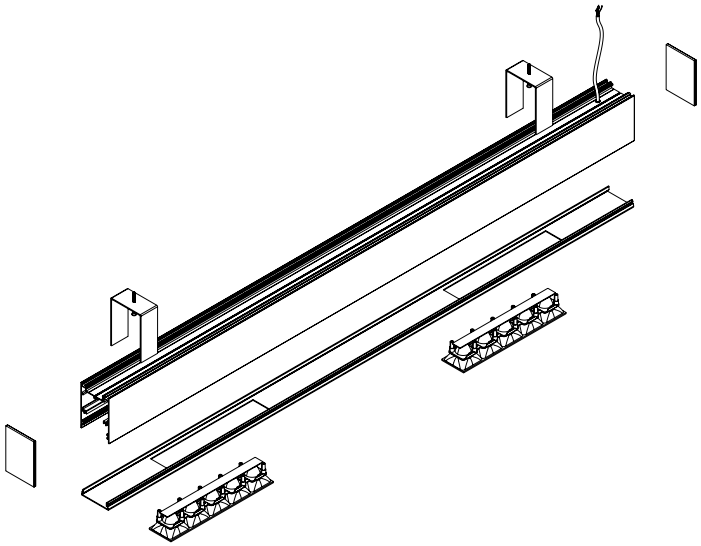


Recessed Kit

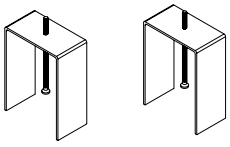


Recessed in T Grid Ceiling (D)



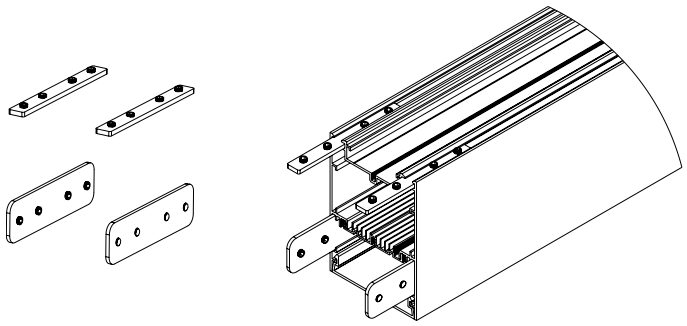


Recessed in T Grid Ceiling Kit

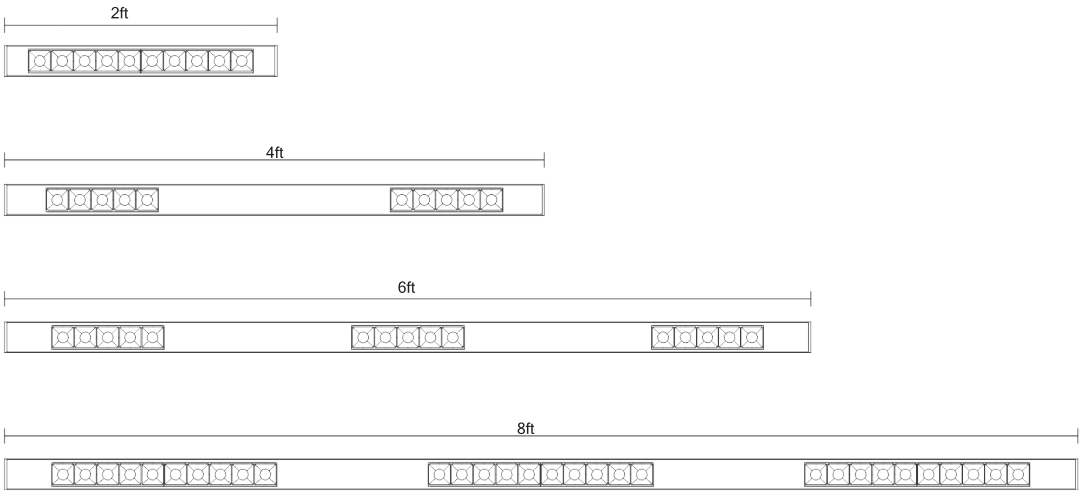


Project:	Type:
	Comments:

Connectors

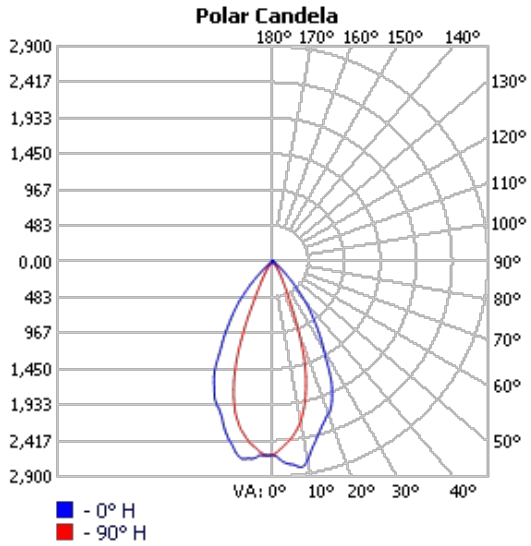


Configurations

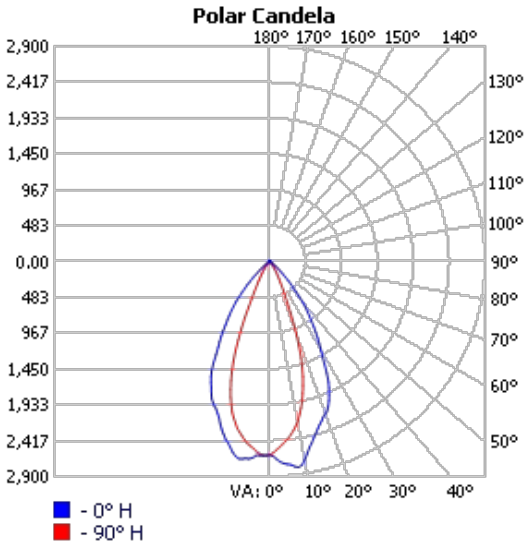


Project:	Type:
	Comments:

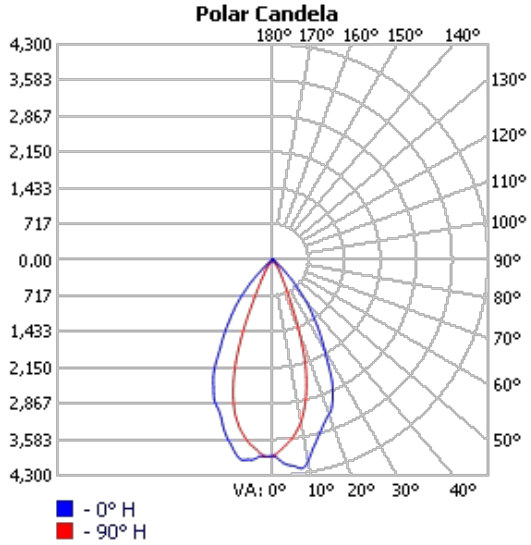
Photometrics



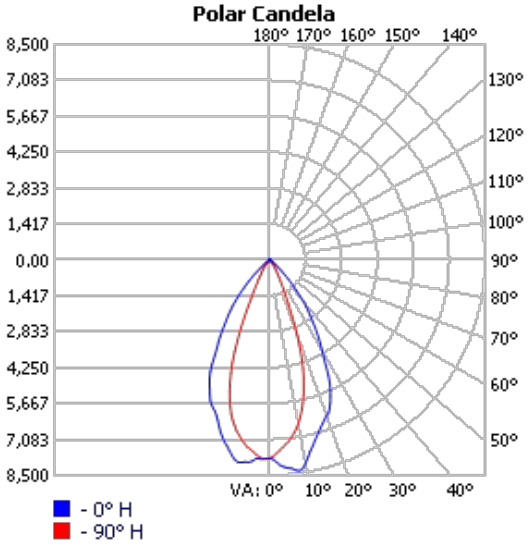
TECHOLED-BX-3L-R-D-2-ME-30



TECHOLED-BX-3L-R-D-4-ME-30



TECHOLED-BX-3L-R-D-6-ME-30



TECHOLED-BX-3L-R-D-8-ME-30

techoLED®
BROOKLYN • NY

BX-3L-R SERIES

Rev. Date: 09/08/2026

Project:	Type:
	Comments:

Finish Details (powder coat finish)

Standard Colors

W – White


S – Silver


B – Black

Custom Colors


RAL 1003


RAL 2004


RAL 3000


RAL 4001


RAL 5002


RAL 6000


RAL 6038


RAL 7001


RAL 1036


RAL 8029

Any RAL color available, please refer to ralcolorchart.com

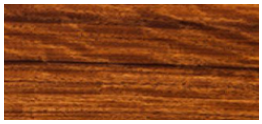
Custom Wooden Colors


American Walnut


Cherry


Maple

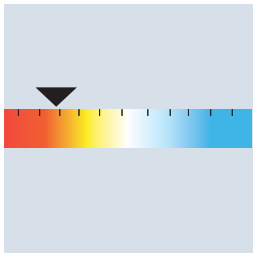

Light Oak


Palisander Santos

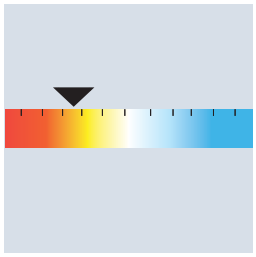
Project:	Type:
	Comments:

Color Temperature

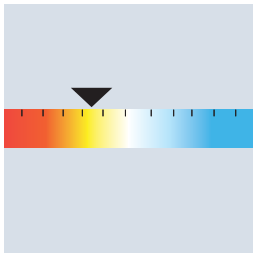
Color Temperature



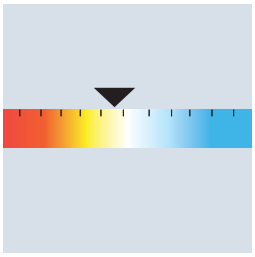
2700K



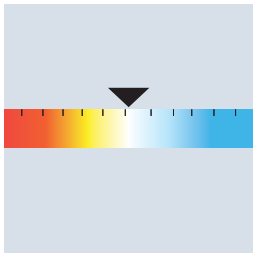
3000K



3500K

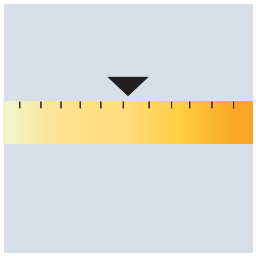


4000K

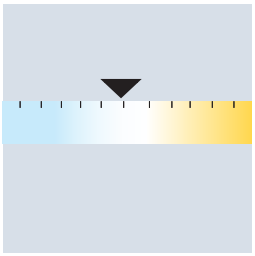


5000K

Tunable White



Dim To Warm



Tunable White