techoLED®
BROOKLYN • NY

BX-3RG-R SERIES

Rev. Date: 10/20/2026

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.

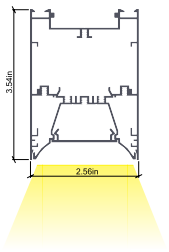
LED: Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

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.

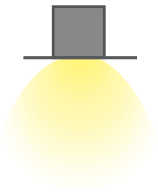
5-year limited warranty

Cross Section



Direct

Installation



Reccessed
(R)

techoLED®
BROOKLYN • NY

BX-3RG-R SERIES

Rev. Date: 10/20/2026

Project:	Type:
	Comments:

Configuration Example

Model #	Distribution	Length	Lumen Output	Color Temp.	Voltage	Color
TECHOLED-BX-3RG-R-D-2-LO-27-U-W	Direct	2'	Low	2700K	110-277V	White

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-3RG-R	**D** Direct	**2** 2´	**LO** Low
		4 4´	**ME** Medium
		6 6´	**HI** High
		8 8´	
		C Custom	

5-COLOR TEMP.	6-VOLTAGE	7-FINISH	8-MOUNTING
27 2700K	**U** 110-277V	**S** Silver	**R** Recessed
30 3000K	**HV** 347V	**W** White	**RP** Recessed (mud-in)
35 3500K		**B** Black	**TG9** TG9
40 4000K		**C** Custom (RAL#)	**TG15** TG15
50 5000K			
DT Lutron T-series			
RGB RGB			
RGBW RGBW			
D Tunable White			

9-DRIVER OPTIONS	10-OPTIONS	11-OPTIONS (CONT.)
DM 0-10V Dimming	**RF-D** Remote Tunable (RF only)	**EM** EM Battery (remote)
2C 2 Channel	**RF-R** Remote RGB/W (RF only)	**X** None
DM1% 1% Dimming	**M** Motion Sensor (remote)	
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	

techoLED®
BROOKLYN • NY

BX-3RG-R SERIES

Rev. Date: 10/20/2026

Project:	Type:
	Comments:

Lumen Output Details

Model #	Size	Output	Color Temp.	Wattage	Lumen Output
TECHOLED-BX-3RG-R-D-2-LO-30	2'	Low	3000K	12W	1200Lm
TECHOLED-BX-3RG-R-D-2-ME-30	2'	Medium	3000K	18W	1800Lm
TECHOLED-BX-3RG-R-D-2-HI-30	2'	High	3000K	23W	2300Lm
TECHOLED-BX-3RG-R-D-4-LO-30	4'	Low	3000K	23W	2300Lm
TECHOLED-BX-3RG-R-D-4-ME-30	4'	Medium	3000K	36W	3600Lm
TECHOLED-BX-3RG-R-D-4-HI-30	4'	High	3000K	46W	4600Lm
TECHOLED-BX-3RG-R-D-6-LO-30	6'	Low	3000K	35W	3500Lm
TECHOLED-BX-3RG-R-D-6-ME-30	6'	Medium	3000K	54W	5400Lm
TECHOLED-BX-3RG-R-D-6-HI-30	6'	High	3000K	69W	6900Lm
TECHOLED-BX-3RG-R-D-8-LO-30	8'	Low	3000K	46W	4600Lm
TECHOLED-BX-3RG-R-D-8-ME-30	8'	Medium	3000K	72W	7200Lm
TECHOLED-BX-3RG-R-D-8-HI-30	8'	High	3000K	92W	9200Lm

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

Performance

		Direct	
Output	Lumens / W	W / ft	Lumens / ft
Low	100	5.8	580
Medium	100	9.0	900
High	100	11.5	1150

Project:	Type:
	Comments:

Driver Option Details

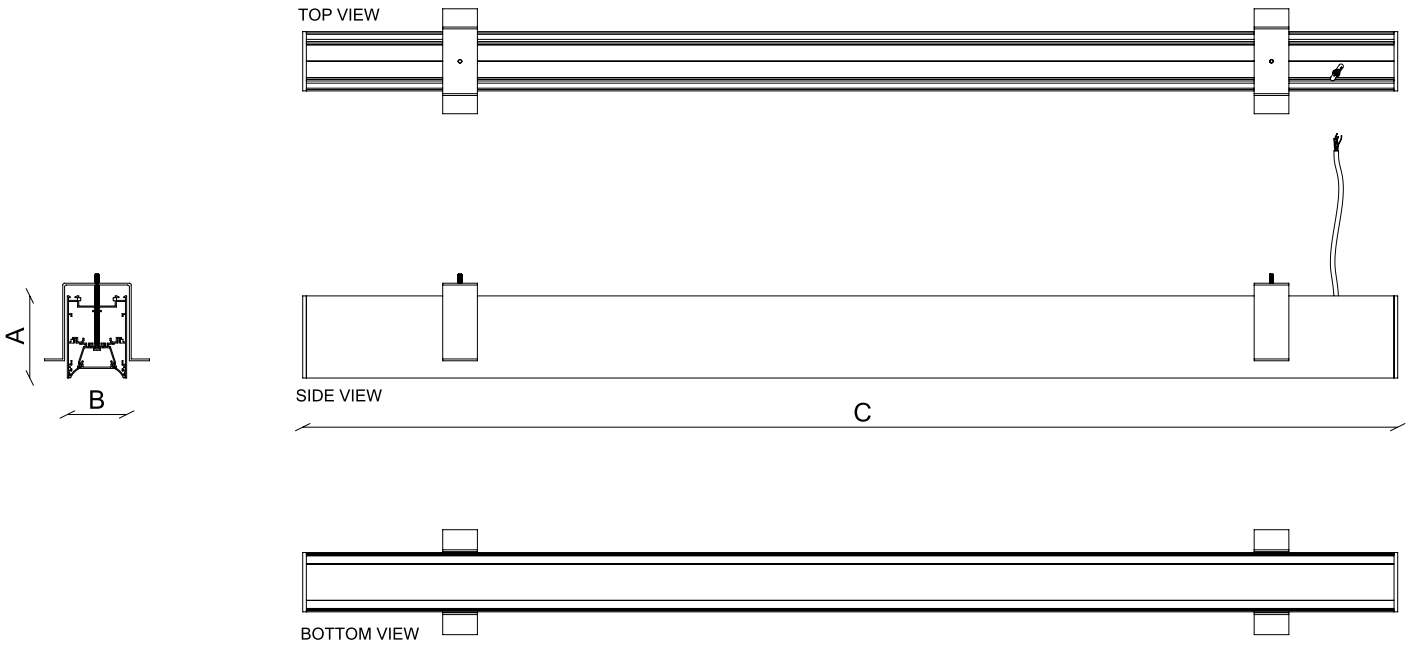
Code	Description
LT1	**LDE1** - Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
DA	**DALI**
DMX	**DMX** - Decoder provided by TechoLED, controller by others

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	D	E
BX-3RG-R-D-2	3.5"	2.6"	24.17"	4.33"	0.98"
BX-3RG-R-D-4	3.5"	2.6"	48"	4.33"	0.98"
BX-3RG-R-D-6	3.5"	2.6"	71.7"	4.33"	0.98"
BX-3RG-R-D-8	3.5"	2.6"	95.5"	4.33"	0.98"

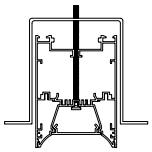
techoLED®
BROOKLYN • NY

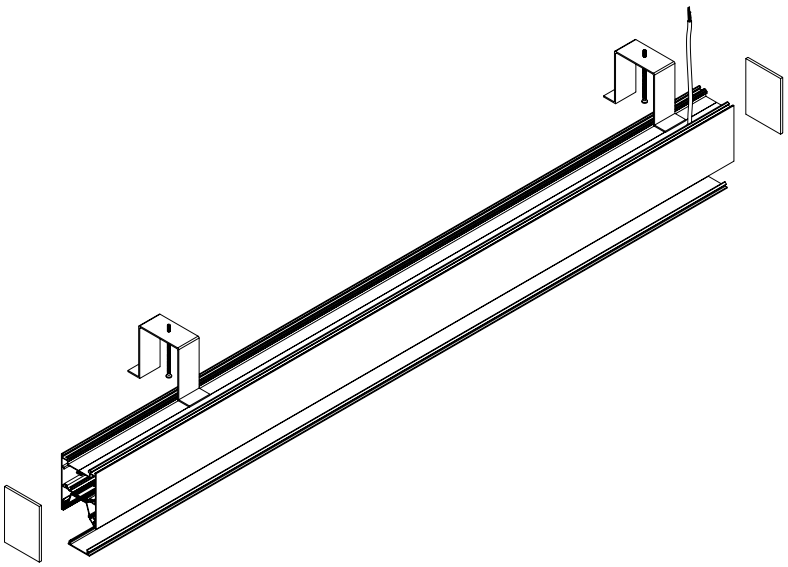
BX-3RG-R SERIES

Rev. Date: 10/20/2026

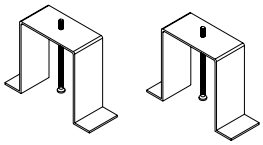
Project:	Type:
	Comments:

Recessed (D)

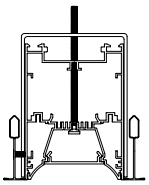


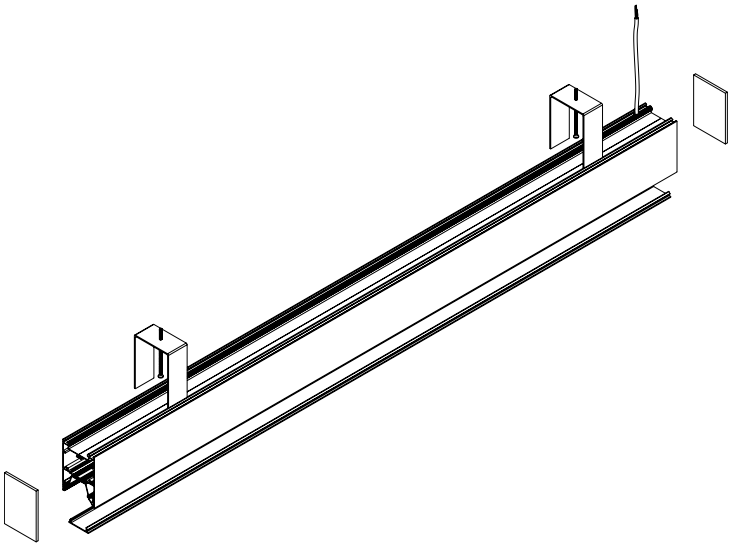


Recessed Kit

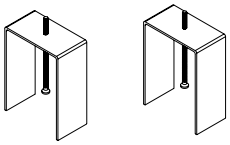


Recessed in T Grid Ceiling (D)



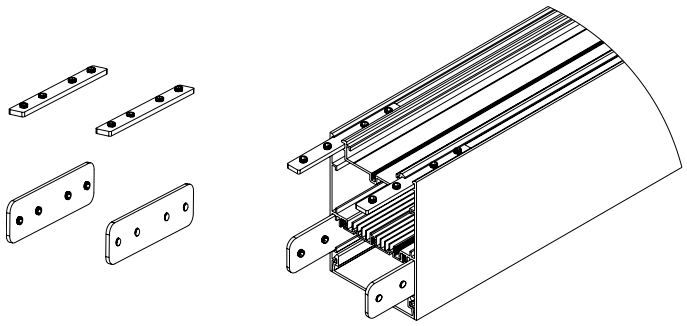


Recessed in T Grid Ceiling Kit



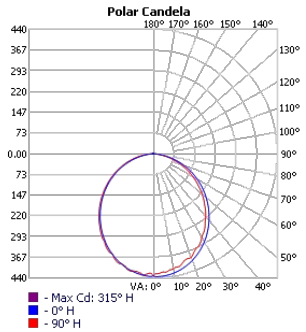
Project:	Type:
	Comments:

Connectors

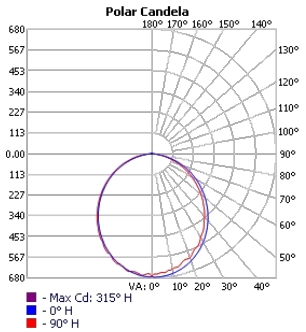


Project:	Type:
	Comments:

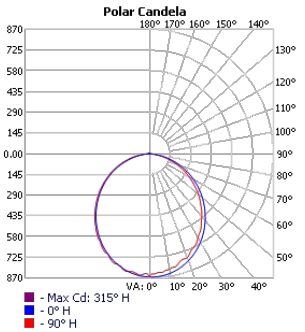
Photometrics



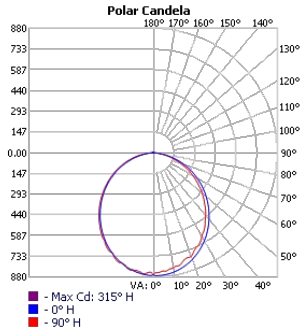
TECHOLED-BX-3RG-R-D-2-LO-30



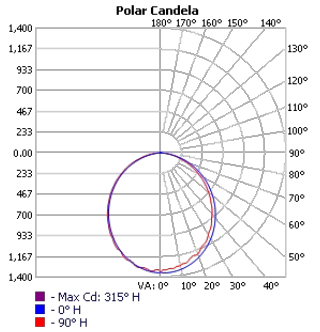
TECHOLED-BX-3RG-R-D-2-ME-30



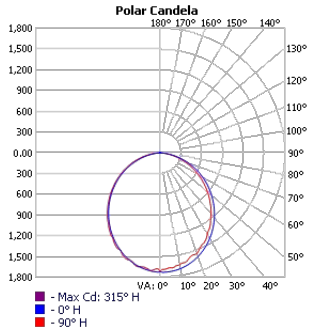
TECHOLED-BX-3RG-R-D-2-HI-30



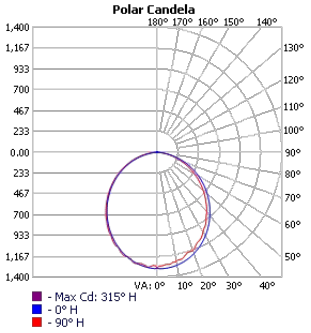
TECHOLED-BX-3RG-R-D-4-LO-30



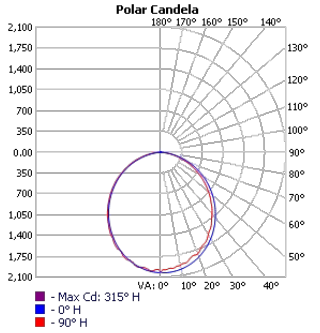
TECHOLED-BX-3RG-R-D-4-ME-30



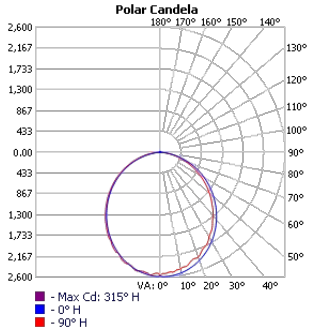
TECHOLED-BX-3RG-R-D-4-HI-30



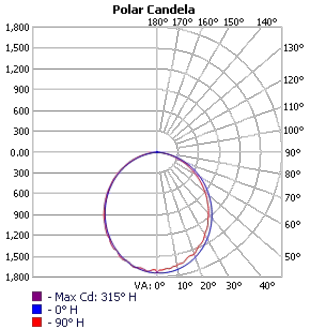
TECHOLED-BX-3RG-R-D-6-LO-30



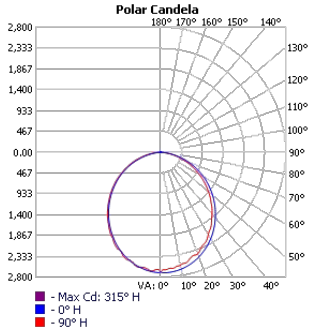
TECHOLED-BX-3RG-R-D-6-ME-30



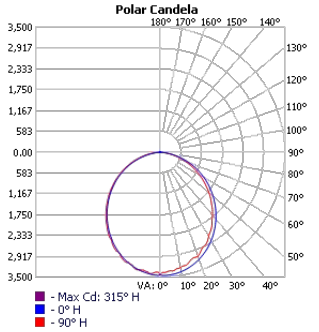
TECHOLED-BX-3RG-R-D-6-HI-30



TECHOLED-BX-3RG-R-D-8-LO-30



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



TECHOLED-BX-3RG-R-D-8-HI-30

techoLED®
BROOKLYN • NY

BX-3RG-R SERIES

Rev. Date: 10/20/2026

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

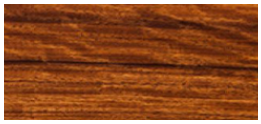
Custom Wooden Colors


American Walnut


Cherry


Maple

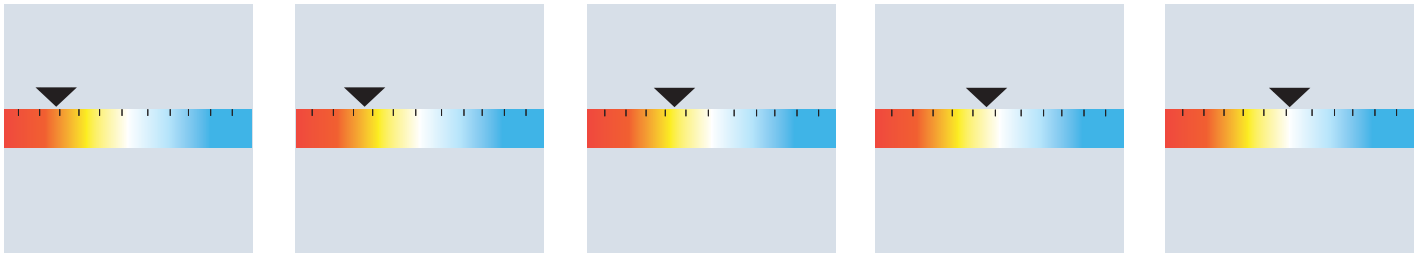

Light Oak


Palisander Santos

Project:	Type:
	Comments:

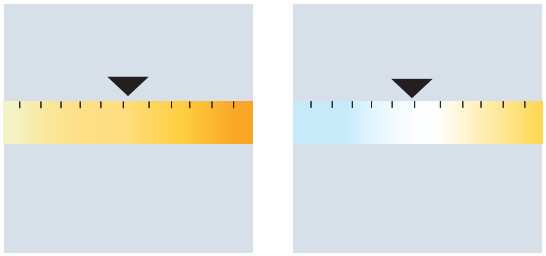
Color Temperature

Color Temperature



2700K | 3000K | 3500K | 4000K | 5000K

Tunable White



Dim To Warm | Tunable White