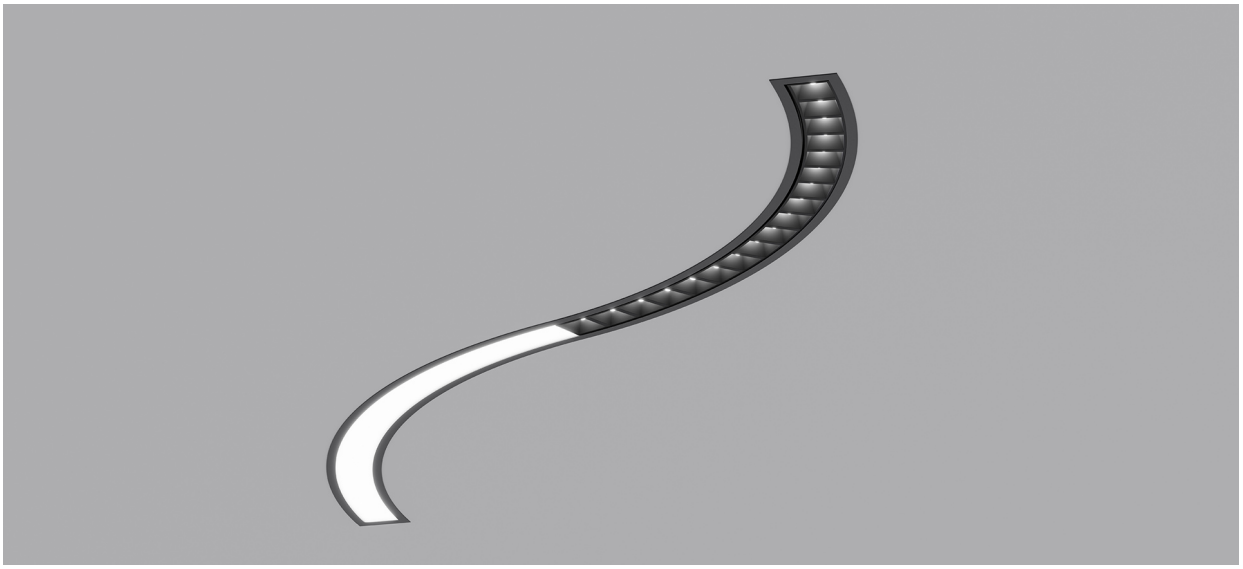
techoLED®
BROOKLYN • NY

BX-CURV FUSION-R

Rev. Date: 09/07/2026

Project:	Type:
	Comments:



Highlights

The TechoLED BX-CURV FUSION series features specification-grade curved linear LED fixtures constructed from high-grade aluminum extrusions. Designed with the flexibility to incorporate both continuous diffused lenses and precision louvered optics, BX-CURV FUSION allows multiple lighting effects to be integrated within a single architectural form. With virtually limitless options for creating flowing patterns and custom configurations, the series provides a versatile, visually distinctive, and modern lighting solution.

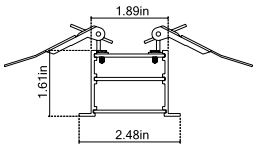
LED: Bridgelux LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 100,000 hour rated lifespan. Custom lumen packages available.

Optical: Direct illumination, 110° beam angle, UGR<19 on lensed section, 50° beam angle and UGR<16 on louvered sections

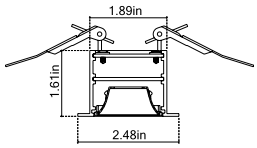
Construction: Damp location listed, high grade aluminum extrusion, die cast end caps, PMMA diffuser, powder coat finish. Patterns and wall to ceiling transitions.

5-year limited warranty

Cross Section

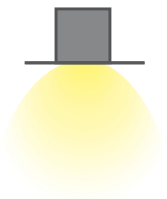


LED Light Section



Louver Section

Installation



Recessed
(R)

techoLED®
BROOKLYN • NY

BX-CURV FUSION-R

Rev. Date: 09/07/2026

Project:	Type:
	Comments:

Configuration Example

Model #	Length	Output	Color Temp.	Voltage	Color
TECHOLED-BX-CURV-F-R-C-ME-30-U-W	Custom	Medium	3000K	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-CURV-F-R	D Direct	C Custom	LO Low ME Medium HI High

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

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

Project:	Type:
	Comments:

Lumen Output Details

Louver Section

Model #	Length	Output	Color Temp.	W / Cluster	Lumens / Cluster	Cluster
TECHOLED-BX-CURV-F-R-C-LO-30	Custom	Low	3000K	5.4	562	6 spots
TECHOLED-BX-CURV-F-R-C-ME-30	Custom	Medium	3000K	7.2	738	6 spots
TECHOLED-BX-CURV-F-R-C-HI-30	Custom	High	3000K	9	915	6 spots

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

Diffuser Section (Direct)

Model #	Length	Output	Color Temp.	W / Ft	Lumens / Ft
TECHOLED-BX-CURV-F-R-C-LO-30	Custom	Low	3000K	3	238
TECHOLED-BX-CURV-F-R-C-ME-30	Custom	Medium	3000K	6.25	460
TECHOLED-BX-CURV-F-R-C-HI-30	Custom	High	3000K	9	647

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

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

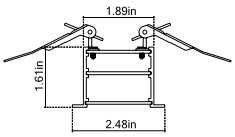
Code	Description
RF-D	**RF Wireless** remote controller for tunable white. **Default for tunable white.**
RF-R	**RF Wireless** remote controller for RGB & RGBW. **Default for RGB & RGBW.**
M	**Motion Sensor** - remote, for integral sensor consult factory
BM	**Bluetooth Mesh** Smart Wireless Control by 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

Options (cont.) Details

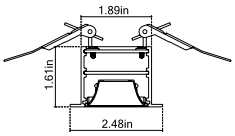
Code	Description
EM	Emergency Battery Backup (remote)

Project:	Type:
	Comments:

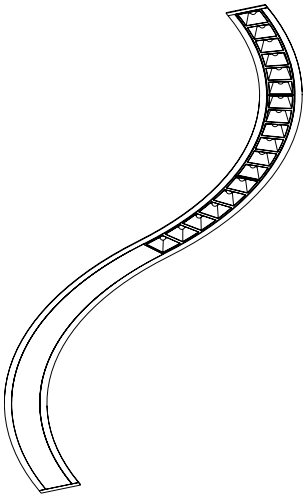
Dimension and Mounting

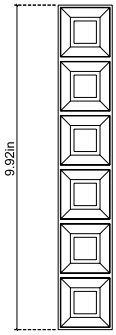


LED Light Cross Section

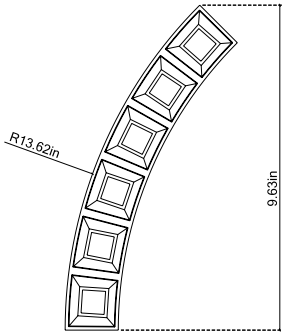


Louver Cross Section

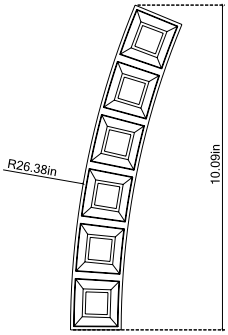




Straight



45°

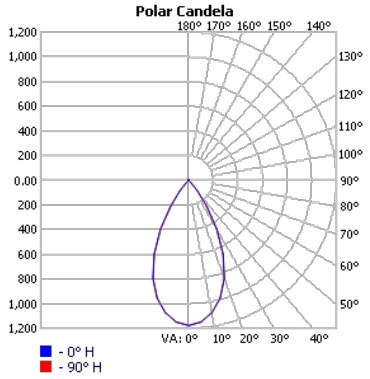


22.5°

Project:	Type:
	Comments:

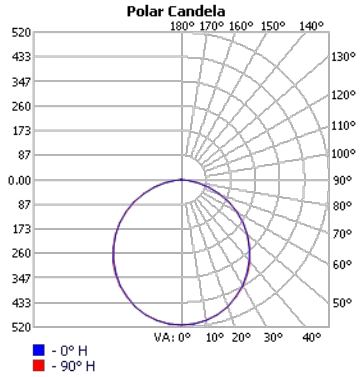
Photometrics

Louver Section



TECHOLED-BX-CURV-F-R-D

Diffuser Section



TECHOLED-BX-CURV-F-R-D

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

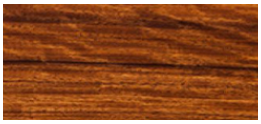
Custom Wooden Colors


American Walnut


Cherry


Maple

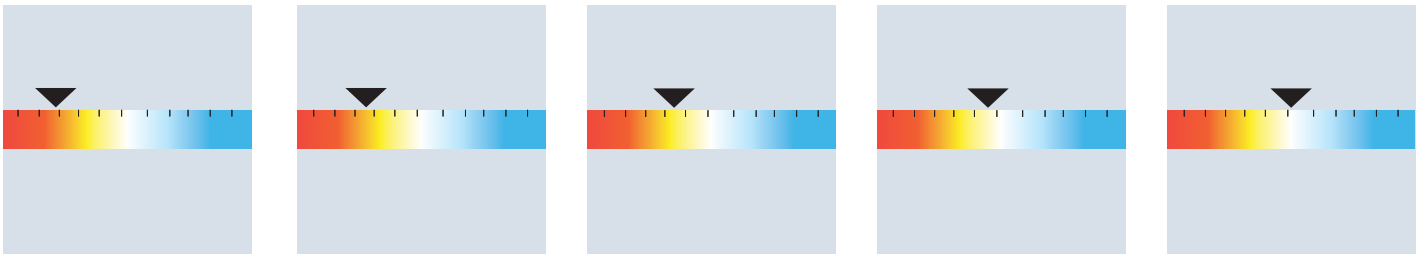

Light Oak


Palisander Santos

Project:	Type:
	Comments:

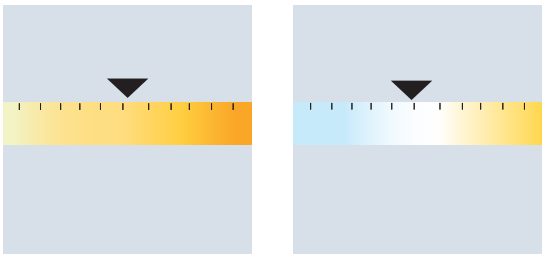
Color Temperature

Color Temperature



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

Tunable White



Dim To Warm | Tunable White