TheLATTICE2GTW™

L2GTW-5T6

LED Matrix Lighting System for Sign Cabinets

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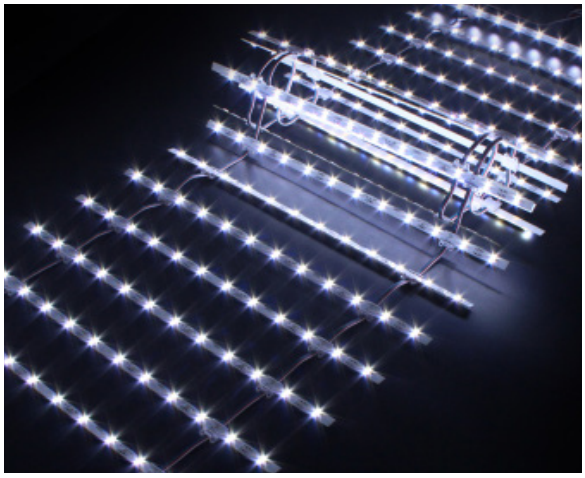


overview

The Lattice2G Tunable White (L2GTW) is Bitro's first matrix lighting solution that transforms the extremely reliable Lattice2G into a specialized, but elegant solution for rectangular cabinets and ceiling lighting. With both 3000K and 6500K LEDs on a single bar, the Lattice2G TW can be controlled using Bitro's DMX or Dimming systems so that the user can fine-tune everything from cools whites to warm whites and produce a beautiful dynamic ambience. Whatever the application may be, the L2GTW will always provide the unique benefits of a scalable, lightweight, matrix lighting solution with uniform illumination that only the Lattice family of products can provide.

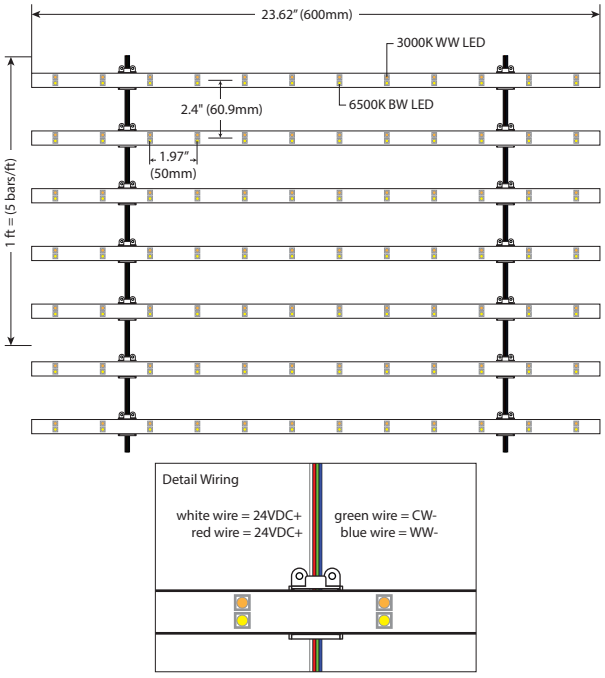
Consult with your Bitro representative to see if the Lattice2G Tunable White is right for you and your project needs.

L2GTW-5T6

ORIENTATION	LED-TO-LED	BAR-TO-BAR
SINGLE SIDED	50mm(1.97")	60.9mm(2.4")

POWER CONSUMPTION	LED TO FACE DISTANCE	BRIGHTNESS
12w/sqft	>3.5"	1158lm/sqft (BW65+WW30)

configuration dimension

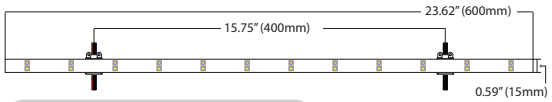


features

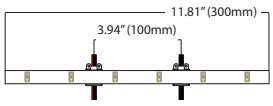
- Versatile lighting solution for Light Boxes, Sign Cabinets, Storefront Glass Displays and Ceiling Illumination
- Perfectly Uniform Illumination of Tunable Color Temperatures ranging from 3000K to 6500K
- Control with Bitro's DMX Control Systems or Dimming Solutions to achieve the desired look and feel
- Constant Current Technology for Optimal Color Consistency
- Easy Labor-saving Installation
- For Dry and Damp Applications
- UL Recognized
- 2 Year Warranty

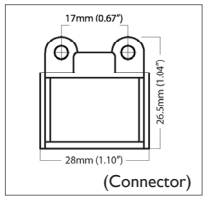
dimension & sku

L2GTW-5T6-24VBW65WW30-600



L2GTW-5T6-24VBW65WW30-300





*Connector's position may change

c UL us | 5-YEAR WARRANTY | IP66 | Constant Current Technology

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application specs

Model	L2GTW-5T6
Single-sided / Double-sided	Single Sided
Brightness Level	Standard Brightness
Brightness (lm/sqft)	600 lm/sqft (BW65) 558 lm/sqft (WW30) 1158 lm/sqft (Overall)
Min. Cabinet Depth*	>3.5"
Default Color	Bright White, 6500K (BW65) and Warm White, 3000K (WW30)
Other Colors	Special Order. Consult with Bitro Reps and Distributors
Waterproof Rating	Conformal Coated, IP66
Application Environment	Dry & Damp Locations
Operating Temperature	-22°F ~ 158°F
UL File # / Model #	E341583 / BT-L2G

* Minimum distance required from LATTICE product to face. Calculated with 2447 milky white acrylic with no graphics.
Depth on faces with graphics can have thinner cabinet depths.
Consult with Bitro for samples and depth demonstrations.

configuration specs

Part Number		L2GTW-5T6-24VB65WW30-600	L2GTW-5T6-24VB65WW30-300
LED Pitch		50mm (1.97")	
Bar-to-Bar Pitch		60.9mm (2.4")	
Bar Length (Roll width)		600mm (23.6")	300mm (11.8")
# Lamps (RGB)	# Lamps / bar	12 lamps/bar	6 lamps/bar
	# Lamps / sqft	30 lamps/sqft	
# Lamps (White)	# Lamps / bar	12 lamps/bar	6 lamps/bar
	# Lamps / sqft	30 lamps/sqft	
# Bars	# bars / sqft	2.5 bars/sqft	5 bars/sqft
	# bars / linear ft on roll	5 bars/ft	

electrical specs

Part Number		L2GTW-5T6-24VB65WW30-600	L2GTW-5T6-24VB65WW30-300
Operating Voltage		24 VDC	
Power Consumption	W / bar	4.8 W/bar	2.4 W/bar
	W / sqft	12 W/sqft	
	W / linear ft on roll	24 W/ft	12 W/ft
Lumen Efficiency (on White LEDs, lm/w)		100 lm/W (BW65) 93 lm/W (WW30) 96.5 lm/W (Overall)	

power load recommendations

Part Number		L2GTW-5T6-24VBW65WW30-600	L2GTW-5T6-24VBW-65WW30-300
Recommended Max. Load on Bitro's ASU Series 100W-24V power supply	ASU-100-24U (# Bars)	18 bars	36 bars
	ASU-100-24U (linear ft)	3.6 ft	7.2 ft
	ASU-100-24U (sqft)	7.2 sqft	
Recommended Control System		RGB Control Systems & Standard Dimming Controllers*	

* Contact bitro for compatible control systems

packaging

Packaging Unit	10 ft roll
# of Bars / roll	50 bars/10 ft

layout service

Please email estimate@bitrogroup.com
with drawings for prompt layout services.

contact bitro

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