



TheLATTICE2G™

BT-L2G-GM-60

LED Matrix Lighting System for Backlighting Applications



BT-L2G-GM-60

ORIENTATION	LED-TO-LED	BAR-TO-BAR	OP.VOLT
SINGLE SIDE D	42mm(1.65")	61mm(2.4")	24V
POWER CONSUMPTION	LED TO FACE DISTANCE	BRIGHTNESS	
13.6w/sqft	>3.5"	745lm/sqft	

features

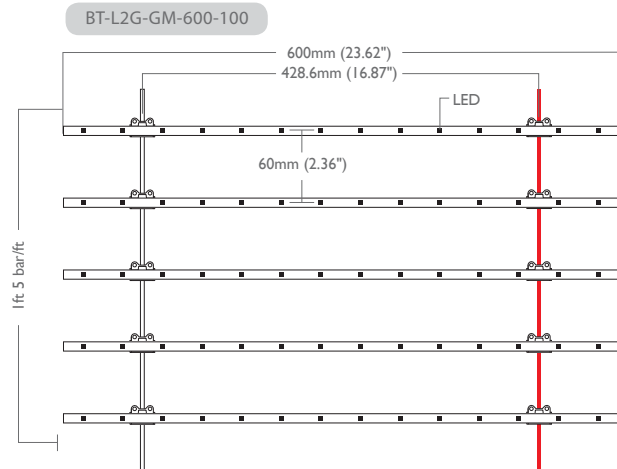
- New and Improved Version of the Original Lattice
- Extremely Uniform Illumination
- Reliable and Predictable Lighting Results
- Powered by top-tier LED chipset with LM80 data
- Optimal Light Efficiency at 120 lm/w
- Easy Labor-saving Installation
- Added Reliability, Longevity, and Uniformity with Bitro's Constant Current Technology
- Bitro's Thru-wire Interconnect Technology for Minimized Voltage Drop
- Dry and Damp Location
- Backed by 5-year warranty

overview

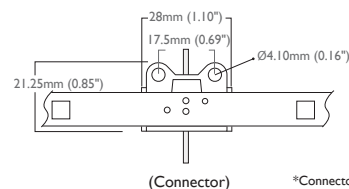
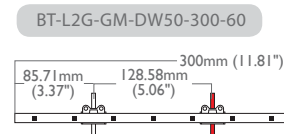
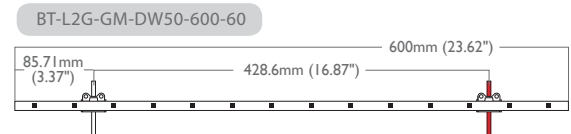
Lattice2G (L2G) is Bitro's latest version of the original Lattice product family. Lattice2G is now more powerful and more efficient than ever, being built upon all the great features of the industry-leading predecessor. With added intuitive mounting systems and implementation of up-to-date technology and top quality components, Lattice2G is truly the most comprehensive and versatile lighting solution for illumination of sign cabinets and general backlighting applications.

Lattice2G is offered in various configurations, colors, brightness levels, and cost offerings to fit your exact need. Consult with us to find out which of the Lattice model is right for your illumination project.

configuration dimension



dimension & part numbers



5-YEAR WARRANTY

Constant Current Technology



application specs

Model	BT-L2G-GM-60	
Single-sided / Double-sided	Single Sided	
Brightness Level	Standard Brightness	
Brightness (lm/sqft)	745 lm/sqft	
Min. Cabinet Depth*	>3.5"	
Default Color	Day White 5000K (DW50) CRI: 80+	
Other Colors	Special Order. Consult with Bitro Reps and Distributors	
Waterproof Rating	Indoor Only	
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

Model	BT-L2G-GM-60		
Part Numbers	BT-L2G-GM-DW50-600-60	BT-L2G-GM-DW50-300-100	
LED Pitch (mm)	42mm (1.65")		
Bar-to-Bar Pitch (mm)	61mm (2.4")		
Bar Length (Roll width)	Bar Length (mm)	600mm	300mm
	Bar Length (inches)	23.6 in	11.8 in
# Lamps	# Lamps / bar	14 lamps/bar	7 lamps/bar
	# Lamps / sqft	35 lamps/sqft	
# Bars	# bars / sqft	2.5 bars/sqft	5.0 bars/sqft
	# bars / linear ft on roll	5.0 bars/ft	5.0 bars/ft
	# bars / 10ft Roll	50 bars/10ft roll	

layout service

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

contact bitro

Bitro Group, Inc. (Headquarter)
300 Lodi St. Hackensack, NJ 07601
201-641-1004 sales@bitrogroup.com

electrical specs

Model	BT-L2G-GM-60		
Part numbers	BT-L2G-GM-DW50-600-60	BT-L2G-GM-DW50-300-100	
Operating Voltage	24VDC		
Power Consumption	W / bar	2.5 W/bar	1.3 W/bar
	W / sqft	6.25 W/sqft	6.25 W/sqft
	W / linear ft on roll	12.5 W/ft	6.25 W/ft
Lumen Efficiency (on LEDs, lm/w)	119.3 lm/w		

power load recommendations

Model	BT-L2G-GM-60		
Part numbers	BT-L2G-GM-DW50-600-60	BT-L2G-GM-DW50-300-100	
Recommended Max. Load on Bitro's ASU Series 96W-24V power supply	ASU-100-24U (# Bars)	34 bars	68 bars
	ASU-100-24U (linear ft)	6.8 ft	13.6 ft
	ASU-100-24U (sqft)	13.6 sqft	13.6 sqft
Recommended Dimming System	BT-SDM Dimming System		

packaging

Packaging Unit	BT-L2G-GM-60	
Part Numbers	BT-L2G-GM-DW50-600-60	BT-L2G-GM-DW50-300-100
Packing Unit	10ft roll	
# of Bars / roll	50 bars/10ft	

distributed by