



TheLATTICE2G™

4H15

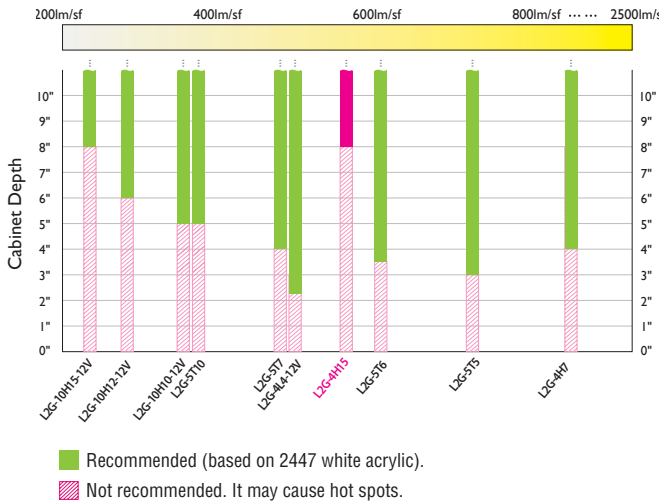
LED Matrix Lighting System for Backlighting Applications



L2G-4H15

ORIENTATION	LED-TO-LED	BAR-TO-BAR	OP.VOLT
SINGLE SIDED	42.9mm(1.69")	152.4mm(6")	24V
POWER CONSUMPTION	LED TO FACE DISTANCE	BRIGHTNESS	
4.8w/sqft	>8"	567lm/sqft	

brightness level



features

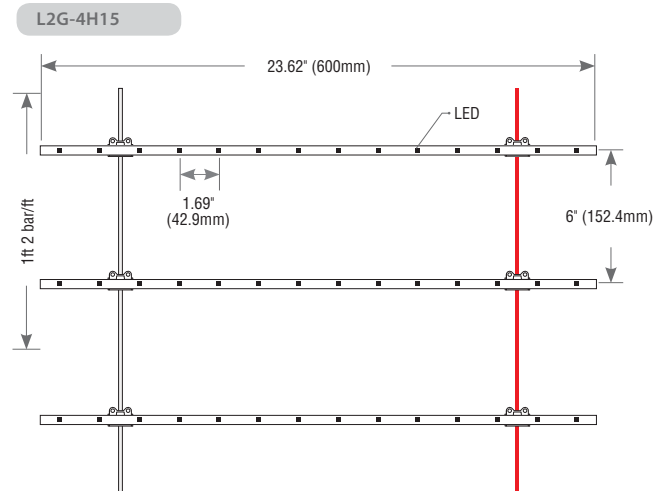
- New and Improved Version of the Original Lattice
- Extreme Uniform Illumination
- Reliable and Predictable Lighting Results
- Powered by top-tier LED chipset with LM80 data
- Highly Efficient Light Output
- Easy Labor-saving Installation
- Added Reliability, Longevity, and Uniformity with Bitro's Constant Current Technology
- Bitro's Thru-wire Interconnect Technology for Minimized Voltage Drop
- Dry and Damp Location
- Backed by 5-year Warranty

overview

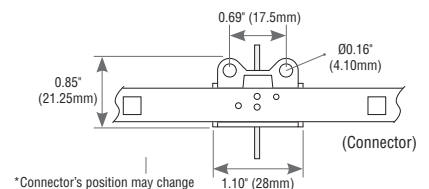
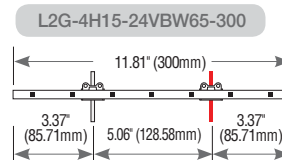
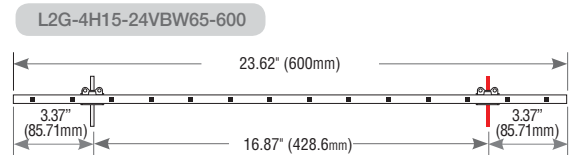
Lattice2G (L2G) is Bitro's latest version of the original industry-leading Lattice. Built upon all the great features of its predecessor, Lattice2G is now more powerful, more efficient and more affordable. With added intuitive mounting systems, it is truly the most comprehensive and versatile lighting solution for illuminated sign cabinets and general back-lighting applications.

Lattice2G comes in various configuration; colors, brightness and cost offerings to fit your exact needs. Consult with us to find out which Lattice is right for your project.

configuration dimension



dimension & part numbers





application specs

Family & Series	L2G Family, 4HX Series
Model	L2G-4H15 or 4H15
Single-sided / Double-sided	Single Sided
Brightness Level	High Brightness
Brightness (lm/sqft)	567 lm/sqft
Min. Cabinet Depth*	>8"
Default Color	Bright White, 6500K (BW65)
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, "LED Bars"

* 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 Numbers		L2G-4H15-24VBW65-600	L2G-4H15-24VBW65-300
LED Pitch (mm)		1.69" (42.9mm)	
Bar-to-Bar Pitch (mm)		6" (152.4mm)	
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	14.0 lamps/sqft	
# Bars	# bars / sqft	1.00 bars/sqft	2.00 bars/sqft
	# bars / linear ft on roll	2.0 bar/ft	2.0 bars/ft

layout service

Please email estimate@bitrogroup.com
For prompt layout services, providing scaled & detail drawings.

electrical & optical specs

Part Numbers		L2G-4H15-24VBW65-600	L2G-4H15-24VBW65-300
Operating Voltage		24 VDC	
Power Consumption	W / bar	4.80 W/bar	2.40 W/bar
	W / sqft	4.8 W/sqft	4.8 W/sqft
	W / linear ft on roll	9.6 W/ft	4.8 W/ft
Optical Specifications	lm / bar	567.0 lm/bar	283.5 lm/bar
	lm / sqft	567.0 lm/sqft	
	Beam Angle	120°	
	Lumen Efficiency	118.1 lm/W	118.1 lm/W

power load recommendations

Part Numbers		L2G-4H15-24VBW65-600	L2G-4H15-24VBW65-300
Recommended Power Supply		Alpha Slimline Power Supply (ASU-100-24U)**	
Recommended Load	# bars / power supply**	18 bars	36 bars
	linear ft / power supply**	9.0 ft	18.0 ft
	sqft / power supply**	18.0 sqft	18.0 sqft
Dimming Function		Yes, See Bitro's LED Dimming Solutions	

**Recommended load based on the recommended power supply. If using other power supplies, we recommend loading no more than 85% of the rated maximum power supply capacity.

packaging

Part Numbers		L2G-4H15-24VBW65-600	L2G-4H15-24VBW65-300
Packaging Unit Specs	Packing Unit (1roll)	10 ft/roll	
	# bars / roll	20 bars/roll	20 bars/roll
	sqft covered /roll	20.0 sqft/roll	10.0 sqft/roll

contact bitro

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