

L10H10

ORIENTATION

LED-TO-LED

BAR-TO-BAR

OP.VOLT

SINGLE SIDED 100.0mm(3.94") 101.6mm(4") 24V

POWER CONSUMPTION

LED TO FACE DISTANCE

BRIGHTNESS

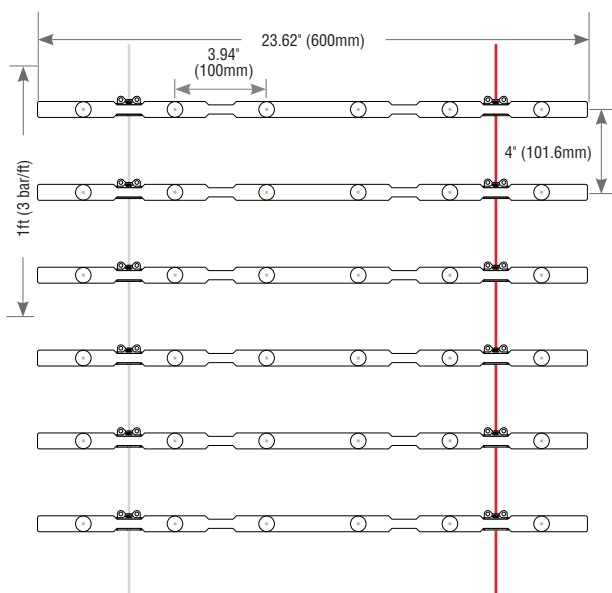
6.12w/sqft

>3.5"

596.7lm/sqft

configuration dimension

L10H10



overview

L3G Optics (Lattice3G Optics) is Bitro's next generation LATTICE Product Series for rectangular sign illumination. Built upon all the great features of its predecessors, L3G Optics employs effective extra-wide batwing optics that allow for better uniformity, lower box profiles and easy installation.

L3G Optics Signage models are offered in simple 4-model offerings. L3G Optics Series shares the connectors and accessories with the L2G series, allowing for variety of convenient methods of installation and mounting.

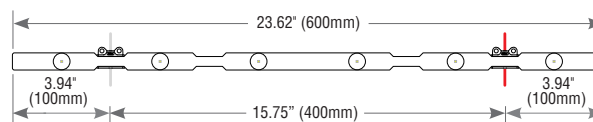
Consult with us to find out which Lattice is right for your project.

features

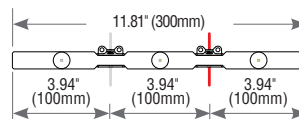
- Optics-enhanced Version of the Original Lattice
- Uniform Illumination at low profile depths
- Eliminates shadowing from complicated cabinet structures
- Optimized for flex-face tapered frames
- Reliable and Predictable Lighting Results
- Powered by top-tier LED chipset with LM80 data
- Highly Efficient 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
- UL Recognized Component under Sign Component Manual (SAM / SCM)

dimension & part numbers

L3G-L10H10-24VBW65-600



L3G-L10H10-24VBW65-300





application specs

Family & Series	L3G Family, L10HX Series
Model	L10H10
Single-sided / Double-sided	Single Sided
Brightness Level	High Brightness
Brightness (lm/sqft)	596.7 lm/sqft
Min. Cabinet Depth*	>3.5"
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 # / Ref. #	E341583, BT-LAT, "LED Bars"
CSA File # / Ref. #	258485, "BT-LAT"
CE Ref. #	"BT-LAT"

* 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	L3G-L10H10-24VBW65-600	L3G-L10H10-24VBW65-300	
LED Pitch (mm)	3.94" (100mm)		
Bar-to-Bar Pitch (mm)	4" (101.6mm)		
Bar Length (Roll Width)	Bar Length (mm)	600mm	300mm
	Bar Length (inches)	23.6 in	11.8 in
# Lamps	# Lamps / bar	6 lamps/bar	3 lamps/bar
	# Lamps / sqft	9.0 lamps/sqft	
# Bars	# bars / sqft	1.5 bars/sqft	3.0 bars/sqft
	# bars / linear ft on roll	3.0 bars/ft	3.0 bars/ft

layout service

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

electrical & optical specs

Part Numbers	L3G-L10H10-24VBW65-600	L3G-L10H10-24VBW65-300	
Operating Voltage	24 VDC		
Power Consumption	W / bar	4.08 W/bar	2.04 W/bar
	W / sqft	6.12 W/sqft	6.12 W/sqft
	W / linear ft on roll	12.24 W/ft	6.12 W/ft
Optical Specifications	lm / bar	397.8 lm/bar	198.9 lm/bar
	lm / sqft	596.7 lm/sqft	
	Beam Angle	165°	
	Lumen Efficiency (modular)	97.5 lm/W	97.5 lm/W

power load recommendations

Part Numbers	L3G-L10H10-24VBW65-600	L3G-L10H10-24VBW65-300	
Recommended Power Supply	Alpha Slimline Power Supply (ASU-100-24U)**		
Recommended Load	# bars / power supply**	21 bars	42 bars
	linear ft / power supply**	7.0 ft	14.0 ft
	sqft / power supply**	14.0 sqft	14.0 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	L3G-L10H10-24VBW65-600	L3G-L10H10-24VBW65-300	
Packaging Unit Specs	Packing Unit(1roll)	10 ft/roll	
	# bars / roll	30 bars/roll	30 bars/roll
	sqft covered /roll	20.0 sqft/roll	10.0 sqft/roll

contact bitro

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