

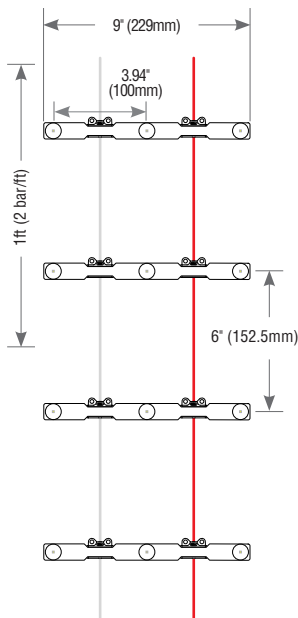
LD10U15

ORIENTATION	LED-TO-LED	BAR-TO-BAR	OP.VOLT
DOUBLE SIDED	100.0mm(3.94")	152.4mm(6")	24V
POWER CONSUMPTION	FACE TO FACE DISTANCE	BRIGHTNESS	
6.7w/sqft ***	>8"	655lm/sqft ***	

*** Specification is total for both sides of double-sided L3G. For per-side specifications, divide by two*

configuration dimension

LD10U15



overview

L3GOptics (Lattice3G Optics) is Bitro's next generation LATTICE Product Series for rectangular sign illumination. Built upon all the great features of its predecessors, L3GOptics employs effective extra-wide batwing optics that allow for better uniformity, lower box profiles and easy installation.

L3GOptics Signage models are offered in simple 4-model offerings. L3GOptics Series shares the connectors and accessories with the L2G series, allowing for variety of convenient methods of installation and mounting.

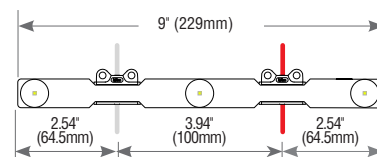
Consult with us to find out which Lattice is right for your project.

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-LD10U15-24VBW65-230





application specs

Family & Series	L3G Family, LD10UX Series
Model	L3G-LD10U15 or LD10U15
Single-sided / Double-sided	Double Sided
Brightness Level	Ultra-High Brightness
Brightness (lm/sqft)	655.2 lm/sqft ***
Min. Cabinet Depth*	>8" (Face-to-Face)
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"

* 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.

*** Specification is total for both sides of double-sided L3G. For per-side specifications, divide by two'

configuration specs

Part Numbers	L3G-LD10U15-24VBW65-230	
LED Pitch (mm)	3.94" (100mm)	
Bar-to-Bar Pitch (mm)	6" (152.4mm)	
Bar Length (Roll Width)	Bar Length (mm)	229mm
	Bar Length (inches)	9 in
# Lamps	# Lamps / bar	6 lamps/bar ***
	# Lamps / sqft	12.0 lamps/sqft ***
# Bars	# bars / sqft	2.0 bars/sqft
	# bars / linear ft on roll	2.0 bars/ft

*** Specification is total for both sides of double-sided L3G. For per-side specifications, divide by two'

layout service

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

electrical & optical specs

Part Numbers	L3G-LD10U15-24VBW65-230	
Operating Voltage	24 VDC	
Power Consumption	W / bar	3.36 W/bar ***
	W / sqft	6.7 W/sqft ***
	W / linear ft on roll	6.7 W/ft ***
Optical Specifications	lm / bar	327.6 lm/bar ***
	lm / sqft	655.2 lm/sqft ***
	Beam Angle	165°
	Lumen Efficiency (modular)	97.5 lm/W

*** Specification is total for both sides of double-sided L3G. For per-side specifications, divide by two'

power load recommendations

Part Numbers	L3G-LD10U15-24VBW65-230	
Recommended Power Supply	Alpha Slimline Power Supply (ASU-100-24U)**	
Recommended Load	# bars / power supply**	26 bars
	linear ft / power supply**	13 ft
	sqft / power supply**	13.0 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-LD10U15-24VBW65-230	
Packaging Unit Specs	Packing Unit(1roll)	10 ft/roll
	# bars / roll	20 bars/roll
	sqft covered /roll	10.0 sqft/roll

contact bitro

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