

Date:Project:Part:

VPX

VAPORSEALED LINEAR

G&G

INDUSTRIAL LIGHTING

UL LISTED

NSF

IP66

IP67

IMPACT CERTIFIED

IK07

IMPACT CERTIFIED

NEMA 4X

DIRECT DRIVERLESS

EMI SILENT

BAA COMPLIANT

BABAA COMPLIANT

Proudly made in America

Low-Profile Driverless Vaporsealed LED Linear Luminaire

Zero-Maintenance Driverless Design

Connects directly to AC line voltage without an LED driver or electrolytic capacitors, for extreme reliability and lifetime.

Superior Waterproof, Chemical & UV Resistance

Seamless co-polyester housing provides IP66 and IP67 ingress protection and effectively prevents debris intrusion and build up. Specialized for superior chemical resistance to withstand prolonged exposure to harsh environments. An additional protective coating is available which integrates a UV inhibitor and UV blocker for outdoor applications.

Permanently Sealed, Assembly Free Housing

Unlike its traditional vaportight counterparts, our patented process combines co-polyester and aluminum together, with no seals, gaskets or clips. The result is a chemically welded, single piece enclosure with no removable parts for a simple, assembly free installation.

Compact, High Output LEDs

Remarkably slim, low-profile 1" design, that packs a punch at up to 10,000 lumens, 20 times the lumen density of a standard vaportight.

PERFORMANCE SUMMARY

Delivered Light Output: VPX2 = 2,000 lumens
VPX4 = 5,000 lumens
VPX8 = 10,000 lumens

Efficacy: Up to 120 LPW
CRI: Typical 85 CRI
CCT: 5000K & 4000K (Contact factory for custom CCT)
Lifetime: 100,000 Hours at 25°C
Warranty: 5 Years
Mounting: Ceiling or wall
Lens: Diffused (standard)
IP Protection Class: IP66, IP67
Temperature Ratings: Operable in temperatures -40°C to 60°C
Voltage: 120 or 277 VAC Input
Power Factor: 0.9 nominal
Surge Protection: Built-in 4KV
Total Harmonic Distortion: < 20%

FIXTURE SPECIFICATIONS

Construction & Materials

- Proudly engineered and manufactured in America:
- Buy American Act (BAA) compliant.
- Build America, Buy America Act (BABAA) compliant
- All models come with 6' SJT/OOW power cord
- Patented coextruded copolyester and aluminum housing
 - Seamless polymeric outer shell
 - Integrated aluminum heat spreader
 - Double insulated (cabling and fixture)

Regulatory Qualifications

- cULus Listed
- UL Listed for wet locations
- IP66/67 Certified
- IK07 Impact Certified
- Rated for use in natatoriums
- NSF Rated
- NEMA 4X Rated
- NFPA 130 & 502

Unique Lighting Solutions for Harsh Environments | 1

LSI

Catalog #:
Prepared By:Project:
Type:
Date:

V-Locity® Small (VALS)
Outdoor LED Area Light

OVERVIEW

Lumen Package	6,000 - 27,000
Wattage Range	36 - 178
Efficacy Range (LPW)	96 - 171
Weight lbs(kg)	20 (9.1)
Control Options	IMS8T, ALB, ALS, 7-Fm, PGI

QUICK LINKS

Ordering Guide

Performance

Photometrics

Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical units. Cast aluminum wiring access door located underneath.
- Self-contained optic, board and heat sink assembly can be rotated or replaced in the field.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: TBD lbs in carton.

Electrical

- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (10% - 100%) standard, must specify EXT option for dimming leads to be extended to fixture exterior.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- Power factor: > .90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Installation

- REDIMount pole mount arm allows for a true one person installation.
- Side arm pole mount designed to mount to square or round poles.
- Pole mount arms can accommodate pole drill patterns from 2.4 to 5" on center and utilize LSI's reduced B3 or traditional B5 drill patterns.
- Additional mounting options are available including a mast arm or adjustable slip fitter that allow for luminaire attachment to a 2 3/8" tenon or mast arm.
- Adjustable arms allow for 65° of tilt (-5° below horizontal to +60° above horizontal) in 5° increments.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- DarkSky approved with 3000K or warmer color temperature selection (side arm pole and mast arm mounting only).
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
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SPEC-TS1-A-0324

SITE PHOTOMETRIC PLAN
1"=20'-0" NORTH

Luminaire Schedule									
Symbol	Label	[MANUFAC]	Description	Qty	Arrangement	Total Lamp Lumens	LLF	Lum. Watts	Total Watts
	P4S	LSI LIGHTING	VALS-18L-4W-30K8-IS	3	Single POLE MOUNTED AT 20'-0"	N.A.	0.900	111	333
	P5	LSI LIGHTING	VALS-21L-5QW-30K7	2	Single POLE MOUNTED AT 20'-0"	N.A.	0.900	130	260
	VP1	G&G INDUSTRIAL LIGHTING	VPX2-SO	6	Single MOUNTED UNDER CANOPY	2007	0.900	21	126
	W1	LSI LIGHTING	VALS-06L-4W-30K7	2	Single WALL MOUNTED AT 12'-0"	N.A.	0.900	36	72
	W2	LSI LIGHTING	VALS-09L-4W-30K7	2	Single WALL MOUNTED AT 12'-0"	N.A.	0.900	54	108

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	
PROPERTY EAST	Illuminance	Fc	0.35	1.1	0.0	N.A.	N.A.	
PROPERTY NORTH	Illuminance	Fc	0.52	0.9	0.4	1.30	2.25	
PROPERTY SOUTH	Illuminance	Fc	0.68	1.0	0.0	N.A.	N.A.	
PROPERTY WEST	Illuminance	Fc	0.12	0.2	0.0	N.A.	N.A.	
SITE_Planar	Illuminance	Fc	2.70	11.2	1.0	2.70	11.20	

CONCRETE POLE DETAIL
NOT TO SCALE

PERMIT ISSUED
CONSTRUCTION ISSUED

DRC

date	
revision	

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KAMM

Consulting

4-16-2025

date

signed

EDGE EXPRESS
5391 N. FEDERAL HWY
POMPAHO BEACH, FLORIDA

project title:

sheet title:

SITE PHOTOMETRIC PLAN

projt. no.: 2025-0196

project manager: GK

checked by: RAK

scale: AS NOTED

date: 04/07/2025

sheet

E1.1

project

PZ25-12000011

06/04/2025