

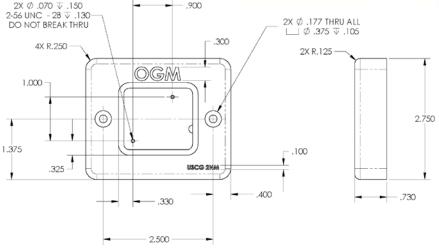
OGM LED Bridge and Pier Lighting

Product Brief: LX2-Pier (ST)

Product Description

LX2-Pier light was originally designed for the Military as a navigation light series (LX2-ST = stern nav light), however the simplicity of the design and the rugged construction lends well to other harsh environment applications like Piers, Bridges and outdoor structures. LED color options include warm white, blue, green, amber and others. Standard is cool white. 2nm visibility per USCG testing as navigation light.





Tech Specs:

- Operating Voltage: 10V to 24V DC or 120-240 AC (using AC/DC Converter)
- Current Draw: 0.17 Amp (at 12V DC operation)
- Power Consumption: 2W at maximum brightness
- ✓ Light Output: 100 Lumens per LED (USCG 2nm visibllity)
- √ Viewing Angle: Vertical =120 Deg; Horizontal =135 Deg
- Module Dimensions: Complete set unit in 6x6x6 non-metallic enclosure
- Materials: Light is hard anodized aluminum with acrylic lens; enclosure is hot compression molded fiberglass reinforced polyester (thermoset)
- Standard bright white, warm white and blue with custom colors available with minimum order

Fixture Type:	
Catalog #:	
Project:	
Location:	

ORDER INFO

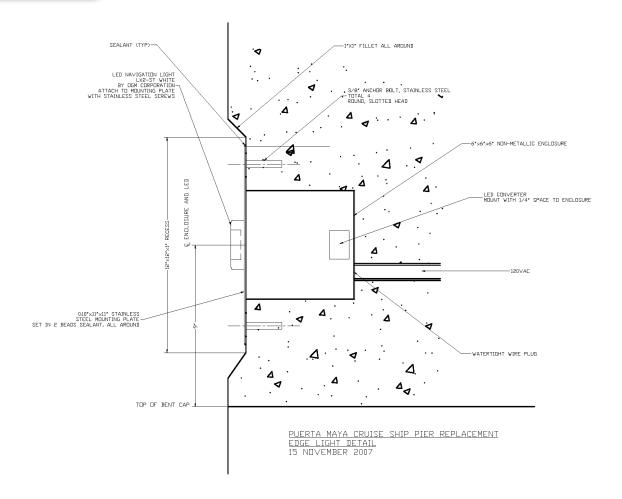
Model #		LED Color		Housing Finish		
		White/W		Alum/BLK		
LX2-Pier/ST		Blue/B		Alum/Nat		
		Custom/[Color]		Alum/Clear		

Features:

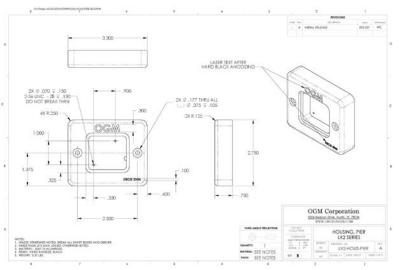
- ✓ Simple 2 wire installation
- Wide operating voltage range: 10V to 24V DC or 120-240 AC (using AC/DC converter)
- 50,000 hour operational life span
- Rugged industrial enclosure for harsh, aggressive environments
- Non-corrosive materials stands up to an exceptionally broad range of environmental exposures
- Watertight (submersible rating pending)
- UV resistant minimizes the affects of sunlight
- Easy maintenance, Low cost of operations no bulbs to replace
- Low profile, pleasing aesthetics easily blends into piers and bridge designs
- 3 year warranty







LX2-Pier (ST) LED Light

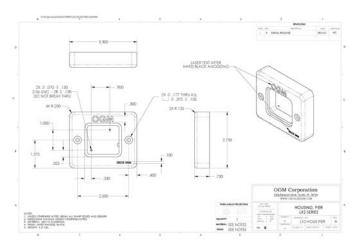


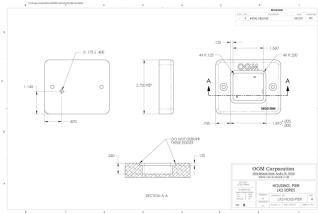
Installation Options:

- ✓ OGM LX2 SS-Plate 11"x11"x0.104 316L marine grade stainless steel plate with LX2-Pier mounting holes and 4 Pier mounting holes.
- OGM LX2 APV12-24 Transformers: 24VDC 108-132VAC input to power 1 LX2-Pier light
- OGM LX2 Pier HW LX2-Pier Silicone Gaskets, Screws, Nuts, Washers, Lock washers
- OGM LX2 NMENCL Enclosure non-metallic for transformer with front cover



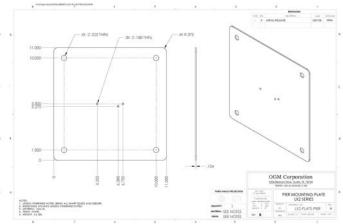
Light Specifications





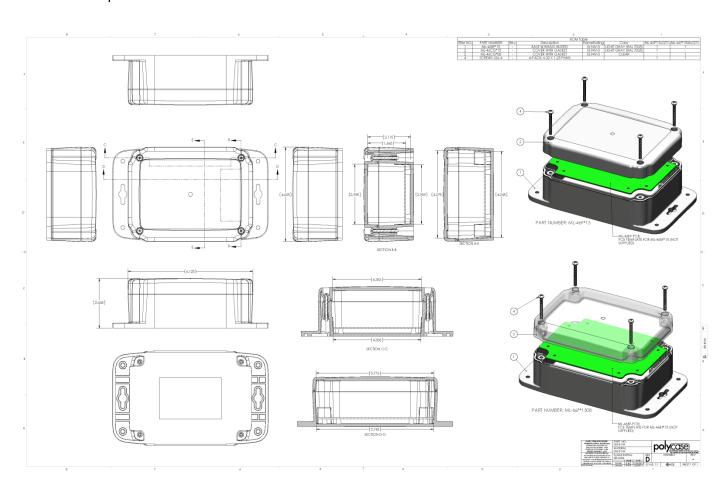
Gasket Specifications

Stainless Steel Plate Specifications





Enclosure Specifications



💖 SELV 🗖 LPS 🛼 (E

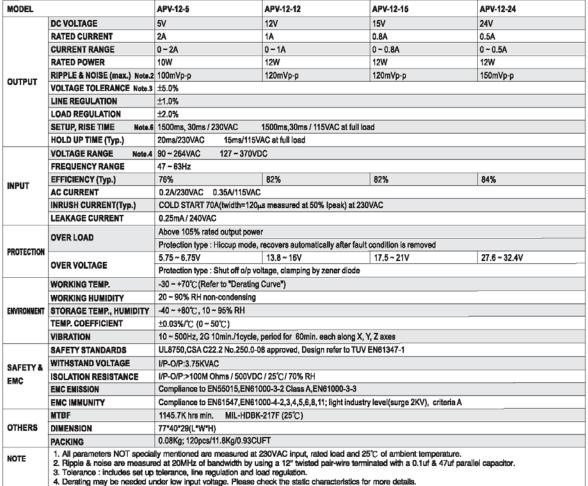




Features:

- Constant voltage design
- Universal AC input / Full range
- · Protections: Short circuit / Over load / Over voltage
- · Fully isolated plastic case
- Cooling by free air convection
- Small and compact size
- · Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- IP30 design
- · Suitable for LED lighting and moving sign applications
- . 100% full load burn-in test
- · Low cost, high reliability
- 2 years warranty

SP	EC	IF	CA	TI	0	N



File Name: APV-12-SPEC 2013-09-07



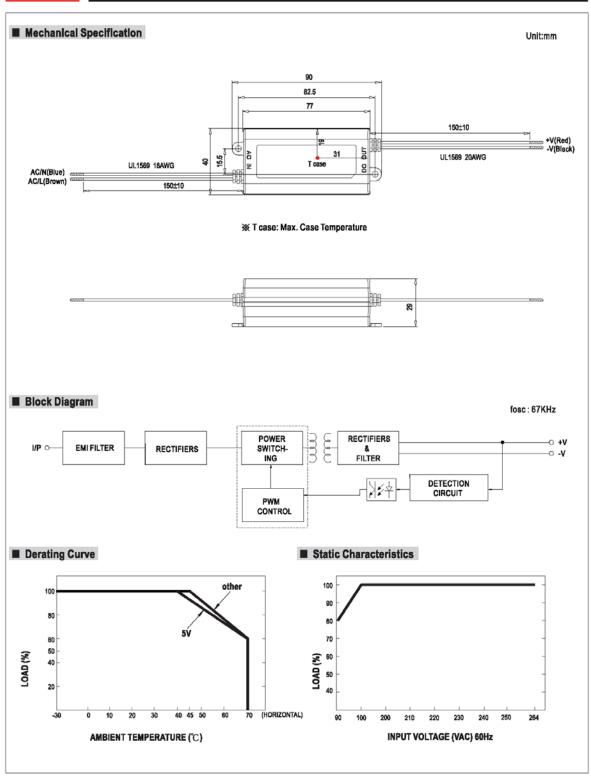
complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.

7. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.

5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the





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Product Brief



OGM has been working with a collection of small US businesses since 2002 to provide innovative products and solutions to our Maritime Customers. The LX2-Pier light is an OGM design and manufactured with OGM's long-standing manufacturing partner in San Marcos, Texas. Ember Industries, Inc. is a full service ISO 9001:2000 certified contract manufacturing organization with extensive experience in the electronic assembly industry for military and medical.

As an environmentally conscientious company, Ember is fully compliant to the requirements of the RoHS initiatives and recycles much of the waste materials and byproducts resulting from the assembly process.

> **Ember Industries:** ISO 9001:2000





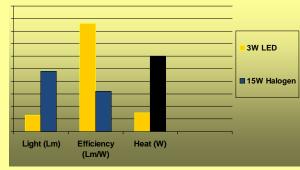


Why use LEDs?

- Efficiency –up to 5 times less power than conventional bulbs for lighting
- Reliability -- LEDs are semiconductors which are immune to shock and vibration
- Long Life -- Last 25 to 50 times longer than conventional bulbs
- Lower Maintenance Cost -- No replacement bulbs need to be stocked or routine bulb replacements. LEDs will last 17 years with daily operation.
- Low Heat

LED & Halogen Comparisons for Light Output and Efficiency*

LED & Halogen Comparison Chart



*Based on 2006 technology

OGM continues to bring leading edge LED & Renewable technology to the Marine Industry.









www.OrcaGreenMarine.com



Orca Green Marine, LLC Industrial/Bridges/Piers 7040 Bembe Beach Road, Ste 1 Annapolis, MD 21403 Pending ED/WOSB Certification