USE-90002-A30160
Steamer Medium Rectangular Surface

microVos TECHNOLOGY

LIGMAN LIGHTING USA

ida DARK SKY APPROVED 2016

TURTLE FRIENDLY

105w LED 14374 Lumens | 80w LED 10751 Lumens
50w LED 6844 Lumens | 29w LED 3969 Lumens
IP66 • Suitable For Wet Locations
IK08 • Impact Resistant (Vandal Resistant)
Weight 22.2 lbs

19.6"
13.7"
30.3"
60°
6.5"
3"
4"
4"
Ø.23"
5.4"

Mounting Detail

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Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.

Type I
Type II
Type III
Type IV
Type V

The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.

**HYBRID
TYPE I & TYPE IV**

Construction

Aluminum
Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint
8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B3 - U0 - G3

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Inspired by Nature Finishes
The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

The Coating Process
After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

Added Benefits
• Resistance to salt-acid room, accelerated aging
• Boiling water, lime and condensed water resistant
• Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
• Super durable (UV resistant)
• TGIC free (non-toxic)

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light.
LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Surface wall-mounted contemporary area lighting family. Modern and powerful high-end, optimum-quality area lighting projectors.

A slim wedge shaped, high pressure die-cast pole mounted area light with a variety of different light distributions to suit all lighting designer's requirements. This luminaire has been designed to provide excellent light distribution patterns using highly efficient LED packages and optics. The result is excellent spacing to mounting height ratios, with a uniform lighting layout that meets code requirements using less energy.

The Steamer can be utilized to suit specific light patterns using the asymmetrical type II, III, IV and ME optics, as well as variations of these for precise light distribution requirements. An example of this is using a combination of Type II & Type IV distribution optics inside the same fixture.
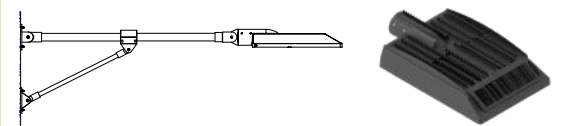
Type V distributions in medium, wide, very wide & extra wide are also available, please contact factory.

This luminaire complies to dark sky requirements when mounted in the horizontal position. Designed for lighting private roadways, car parks, exhibition areas, service stations and truck stops. Internal house side shields are available as an option.

Available with a selection of integral electronic and dimmable electronic drivers as well as a provision to install occcupancy sensors, as well as wireless lighting controls to integrate with building management systems. (WATT-ADJUST) This luminaire is provided with a program-mable driver so that specific wattage requirements can be achieved. These settings are done at the factory during assembly.

To meet International Dark Sky criteria, 3000k or warmer LEDs must be selected and luminaire fix mounted (+/- 15° allowable to permit leveling).
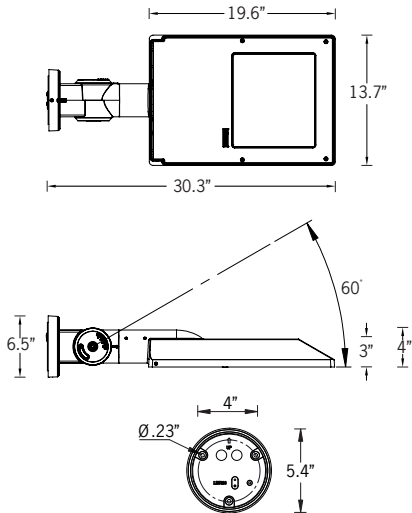
Additional Options (Consult Factory For Pricing)

**A31291
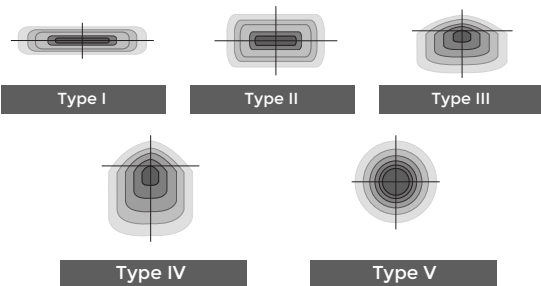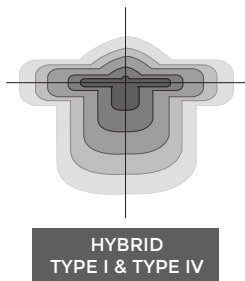Gantry Arm Wall Mount**

**BD
Bird Deterrent Spikes**

**A90991
Zhaga Book 18**

**A90891
NEMA 7**

USE-90002-A30160
Steamer Medium Rectangular Surface

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LiGMAN LIGHTING USA

PROJECT		DATE	
QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || USE - 90002 - 105w - T2 - W30 - 02 - 120/277v - A30160 - Options

USE-90002

LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE
105w LED - 14374lm	M - Medium 30°	W27 - 2700K	01 - BLACK RAL 9011	120/277v
80w LED - 10751lm	W - Wide 57°	W30 - 3000K	02 - DARK GREY RAL 7043	Other - Specify
50w LED - 6844lm	EW - Extra Wide 105°x115°	W35 - 3500K	03 - WHITE RAL 9003	
29w LED - 3969lm	T1 - Type I Distribution	W40 - 4000K	04 - METALLIC SILVER RAL 9006	
WATT-ADJUST (Factory programmed to specific wattage)	T2 - Type II Distribution		05 - MATTE SILVER RAL 9006	
	T3 - Type III Distribution		06 - LIGMAN BRONZE	
	T4 - Type IV Distribution		07 - CUSTOM RAL	
	ME - Type ME Distribution			

INSPIRED BY NATURE FINISHES

SW01 - OAK FINISH	
SW02 - WALNUT FINISH	
SW03- PINE FINISH	
DF - DOUGLAS FIR FINISH	
CW - CHERRY WOOD FINISH	
NW - NATIONAL WALNUT FINISH	
SU01 - CONCRETE FINISH	
SU02 - SOFTSCAPE FINISH	
SU03 - STONE FINISH	
SU04 - CORTEN FINISH	

THERE IS AN ADDITIONAL COST FOR THESE FINISHES

ADDITIONAL OPTIONS

NAT - Natatorium Rated
DIM - 0-10v Dimming
OS - Occupancy Sensor
A31291 - Gantry Arm Wall Mount

AMB - Turtle Friendly Amber LED
BD - Bird Detterent Spikes
A90991 - Zhaga Book 18
A90891 - NEMA 7

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram
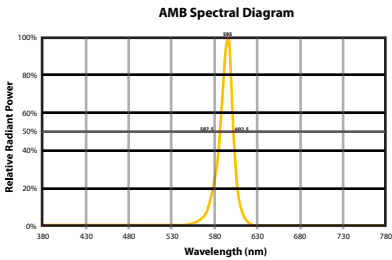
Narrow-Spectrum Amber LEDs
Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.

More Custom Finishes Available Upon Request
Consult factory for pricing and lead times

Oak

Cherry

Beech

Carbon

Walnut

Chestnut

Bamboo

Galvanized

Pine

Mahogany

Birch

Steel

Example: Inspired by Nature Finish

ETL Intertek

Steamer Product Family

Steamer 1

- USE-90002-SU-105w-14374lm
- USE-90002-SU-80w-10751lm
- USE-90002-SU-50w-6844lm
- USE-90002-SU-29w-3969lm

Steamer 1

- USE-90002-105w-14374lm
- USE-90002-80w-10751lm
- USE-90002-50w-6844lm
- USE-90002-29w-3969lm

Steamer 2

- USE-90012-SU-209w-28297lm
- USE-90012-SU-157w-21256lm
- USE-90012-SU-120w-16247lm
- USE-90012-SU-80w-10831lm
- USE-90012-SU-29w-3926lm

Steamer 2

- USE-90012-209w-28297lm
- USE-90012-157w-21256lm
- USE-90012-120w-16247lm
- USE-90012-80w-10831lm
- USE-90012-29w-3926lm

Steamer 11

- USE-90022-SU-105w-14374lm
- USE-90022-SU-80w-10751lm
- USE-90022-SU-50w-6844lm
- USE-90022-SU-29w-3969lm

Steamer 11

- USE-90022-105w-14374lm
- USE-90022-80w-10751lm
- USE-90022-50w-6844lm
- USE-90022-29w-3969lm

Steamer 12

- USE-90032-SU-209w-28297lm
- USE-90032-SU-157w-21256lm
- USE-90032-SU-120w-16247lm
- USE-90032-SU-80w-10831lm
- USE-90032-SU-29w-3926lm

Steamer 12

- USE-90032-209w-28297lm
- USE-90032-157w-21256lm
- USE-90032-120w-16247lm
- USE-90032-80w-10831lm
- USE-90032-29w-3926lm

Pole Configurations

A91060	A91160	A91260	A91360

A91260	A91360	A91460	A91560