

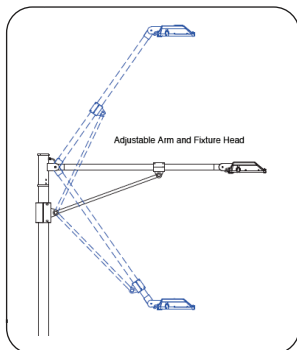
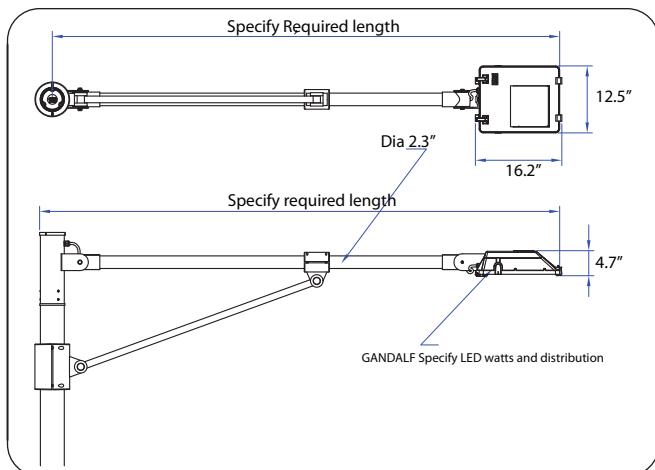
FS-UGA-90013/1

Gandalf Single Out Reach LED

LED



A small size pole mount area floodlight with a variety of different optics that include; Type II, III, IV & V with medium, wide, very wide & extra wide variations. This pole mounted outreach luminaire is adjustable and can be set at various heights to suit designer's requirements. Added to this, the Gandalf can be tilted to suit specific light patterns with the adjustable arm. Asymmetrical type II, III, IV and symmetrical lens optics are suitable for most applications and comply to dark sky requirements. Designed for lighting private roadways, car parks, exhibition areas, service stations, truck stops, streets and sports grounds.



Aluminum Casting

Less than 0.1% copper content – Marine Grade 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.

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.

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.

High Impact Acrylic Glass

Manufactured with Ultra High Impact, Naturally UV Stabilized Injection Molded Acrylic.

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)

Standard Options

Lamp

39w LED 4248lm

58w LED 5515lm

Beam

T2 • Type II Distribution

T3 • Type III Distribution

T4 • Type IV Distribution

Type V Distribution

M • Medium 30°

W • Wide 52°

VW • Very Wide 64°

EW • Extra Wide 108°

LED Color

W27 • 2700K

W30 • 3000K

W40 • 4000K

Finish Color

01 - Black - RAL 9011

02 - Dark Grey - RAL 7043

03 - White - RAL 9003

04 - Metallic Silver - RAL 9006

05 - Matte Silver - RAL 9006

06 - Bronze - RAL 6014

07 - Custom RAL



Ordering Example : FS-UGA - 90013/1 - 39w - T2 - W30 - 02 - 120/277v

| FS-UGA | 90013/1 | Lamp | Beam | LED Color | Color | Voltage |
|--------|---------|--------------------|---|-------------------------|--|-----------------------------|
| | | 39w 58w | M W VW EW | W27 W30 W40 | 01 02 03 04 05 06 07 | 120/277v Other (Specify) |
| | | 39w LED 58w LED | Medium Wide Very Wide Extra Wide | 2700K 3000K 4000K | Black Dark Grey White Metallic Silver Matte Silver Bronze Custom RAL | |
| | | | T2 T3 T4 | | | |
| | | | Type II Distribution Type III Distribution Type IV Distribution | | | |

PROJECT: DATE: QUANTITY:

TYPE: NOTE:

Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information. Due to the continual improvements in LED technology data and components may change without notice.

Head Office:

7144 NW Progress Ct
Hillsboro, Oregon 97124

Tel: 503-645-0500

Fax: 503-645-8100

www.ligmanlightingusa.com



Intertek

