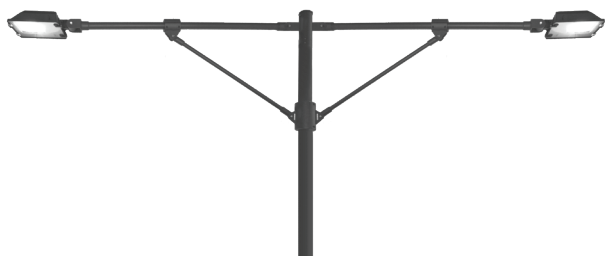


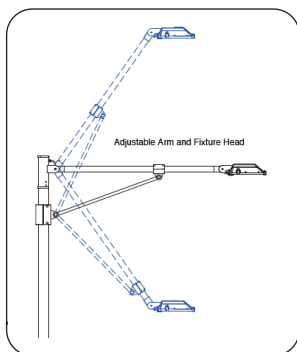
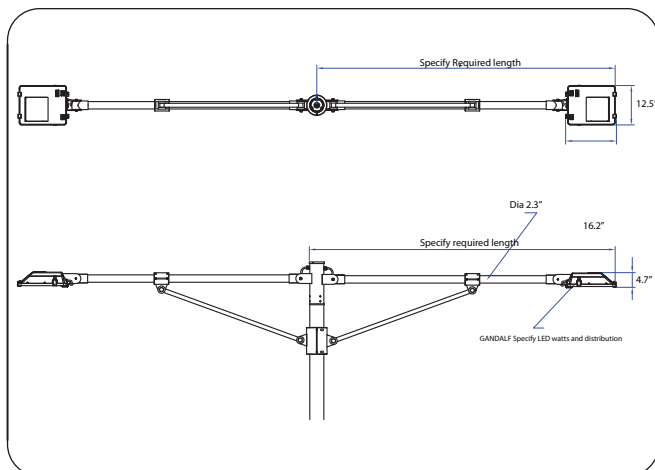
FS-UGA-90013/2

Gandalf Double Out Reach LED



A small size adjustable pole mount area and street luminaire 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 height and tilt 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 V 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

2x39w LED 2x4248lm

2x58w LED 2x5515lm

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 - 90013/2 - 2x39w - T2 - W30 - 02 - 120/277v

Lamp		Beam		LED Color		Color		Voltage	
FS-UGA	90013/2								
39w	2x39w LED	M	Medium	W27	2700K	01	Black	120/277v	
58w	2x58w LED	W	Wide	W30	3000K	02	Dark Grey	Other (Specify)	
		VW	Very Wide	W40	4000K	03	White		
		EW	Extra Wide			04	Metallic Silver		
		T2	Type II Distribution			05	Matte Silver		
		T3	Type III Distribution			06	Bronze		
		T4	Type IV Distribution			07	Custom RAL		

PROJECT: DATE: QUANTITY:

TYPE: NOTE: