



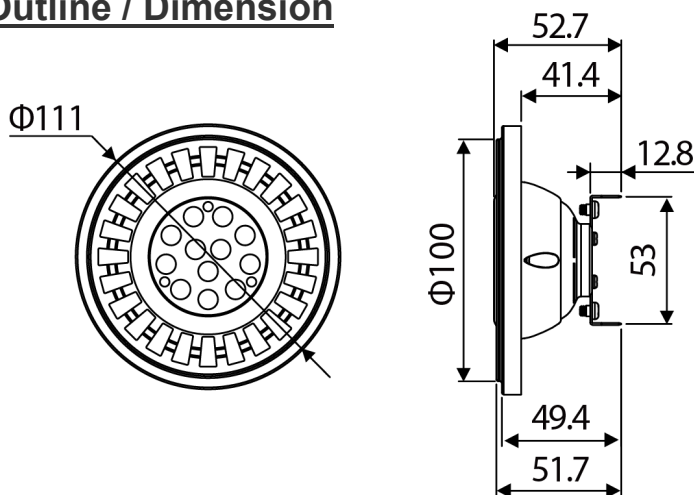
**Vega Series**  
**GL-AR111-V2-12 Series**  
**GL-AR111-V2AD-12 Series**

*Dimming function*

**Features**

- Attractive, patented thermal design
- An easy replacement for older AR111/G53 halogen lamps
- Bright, power saving, eco-friendly LEDs
- Luminous Efficacy of up to 86 lumens/watt
- Efficiency and patented thermal design reduces heat
- Very long 30,000 hour life
- RoHS compliant, No Mercury, No IR or UV light radiation
- Extremely durable and robust
- 2 year manufacturer's warranty

**Outline / Dimension**



UNIT : mm



## Specifications

### AR111-V2-12

Type	GL-AR111-V2-12-WW	GL-AR111-V2-12-CW
Energy Used	12.5 W	
Rated Life	30,000 Hours	
Input Voltage	12V AC/DC	
CCT (Color)	2700K	5700K
Luminous Flux	800 lm	1080 lm
System Efficacy	64 lm/W	86 lm/W
CRI (Typ.)	80	70
Base	G53	
Beam Angle	28°	
Dimension	Ø 111 x 52.7 mm	
IP Rating	IP20	
Operation Temperature	-20°C ~ +40°C	
Net Weight	145 g	
Package	36 Box / Carton	

### AR111-V2AN-12 (non-Dimmable)

Type	GL-AR111-V2AN-12-WW	GL-AR111-V2AN-12-CW
Energy Used	12.2W	
Rated Life	30,000 Hours	
Input Voltage	100-240V AC	
Power Factor (PF)	0.88 at 120V AC, 0.80 at 240V AC	
CCT (Color)	2700K	5700K
Luminous Flux	970 lm	1080 lm
System Efficacy	77 lm/W	86 lm/W
CRI (Typ.)	80	70
Base	G53	
Beam Angle	28°	
Dimension	Ø 111 x 52.7mm	
IP Rating	IP20	
Operation Temperature	-20°C ~ +40°C	
Net Weight	200 g (with driver)	
Package	36 Box / Carton	
Bundled Driver	GP-HS10P-48C1 (Driver Output : Constant Current 270mA, 48V)	

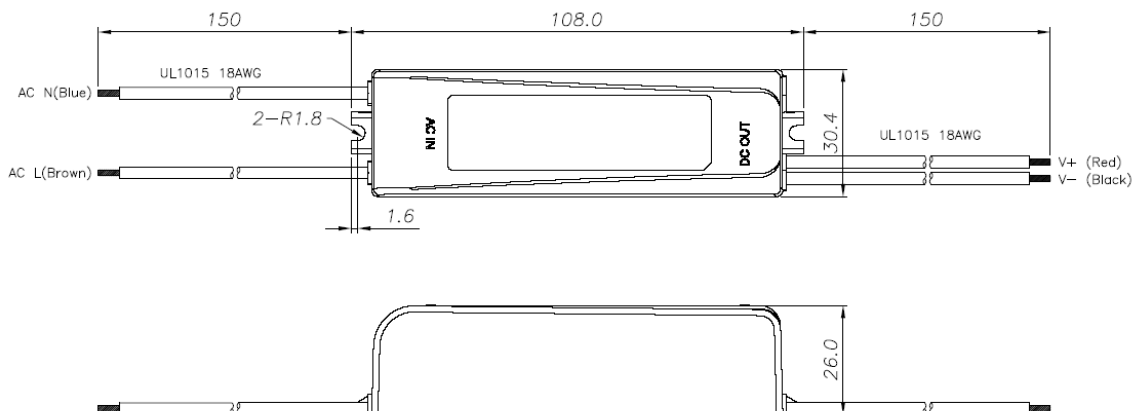
### AR111-V2ADx -12 (AC-TRIAC Dimmable)

Type	GL-AR111-V2ADL -12-WW GL-AR111-V2ADH -12-WW	GL-AR111-V2ADL-12-CW GL-AR111-V2ADH-12-CW
Energy Used	12.5W	
Rated Life	30,000 Hours	
Input Voltage	100-120V AC (GL-AR111-V2ADL-12) 200-240V AC (GL-AR111-V2ADH-12)	
Power Factor (PF)	0.92 at 120V AC, 0.8 at 240V AC	
CCT (Color)	2700K	5700K
Luminous Flux	940 lm	1080 lm
System Efficacy	75 lm/W	86 lm/W
CRI (Typ.)	80	70
Base	G53	
Beam Angle	28°	
Dimension	Ø 111 x 52.7 mm	
IP Rating	IP20	
Operation Temperature	-20°C ~ +40°C	
Net Weight	200 g(with driver)	
Package	36 Box / Carton	
Bundled Driver	GP-TS10P-42L (for AC-TRIAC 100-120V AC) GP-TS10P-42H (for AC-TRIAC 200-240V AC)	

### LED Driver Dimensions

Non-Dimmable: **GP-HS10P-48C1**

Dimmable: **GP-TS10P-48L or GP-TS10P-48H**

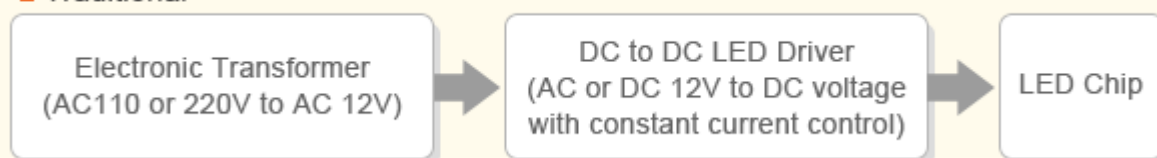


### The advantages of the DC-to-DC LED driver in the traditional approach

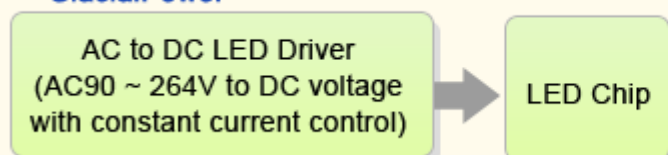
1. Having high compatibility with more than 90% of AC electronic transformers available in the market.
2. Allowing an input voltage 12VAC/DC from an AC electronic transformer, an AC source or a DC source.
3. Keeping the output current nearly constant.
4. Using Japanese capacitors to prolong lifespan.

### The advantages of bundling AR111 LED luminaries with the GlacialPower AC-to-DC LED driver

#### Traditional

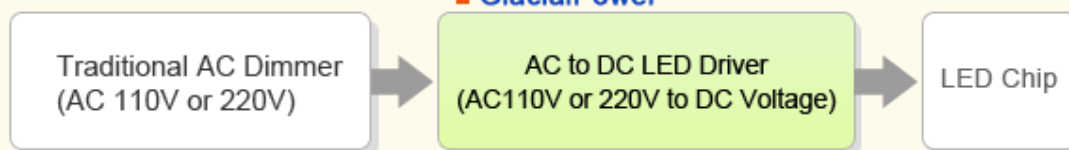


#### GlacialPower



1. The AC-to-DC LED driver can accommodate a universal AC input voltage range 90~264Vac.
2. High efficiency and high reliability benefit from the one-stage power conversion.
3. No compatibility issue is caused and the LED lifetime prolonged by eliminating the need for the AC electronic transformer and the DC-to-DC LED driver in the lighting system.
4. Accredited with the IP67 ingress protection against dust and water, the HS10P and TS10P series can put up with harsh environments.
5. The AC-to-DC LED drivers also comply with the IEC61347 safety standard, go with Power Factor Correction (PFC) function and can work with traditional AC dimmers.

#### GlacialPower

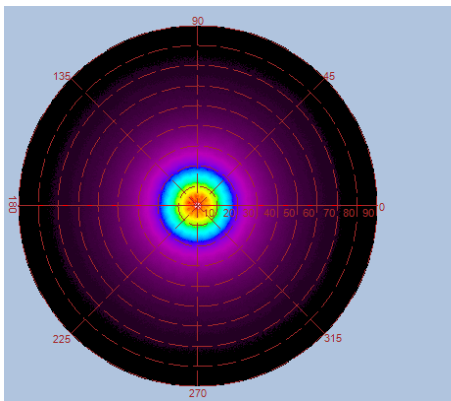
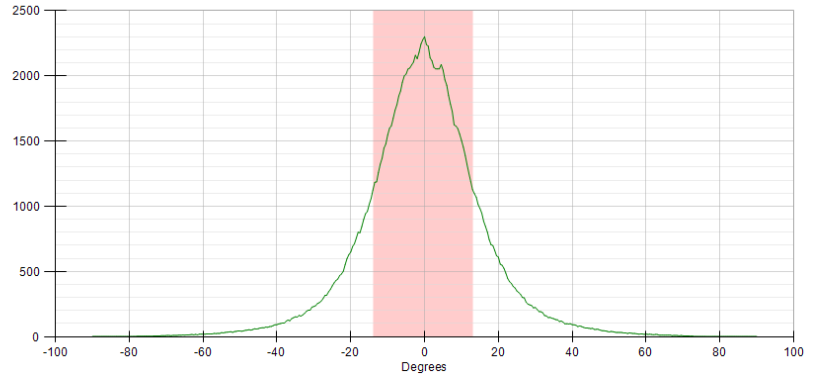
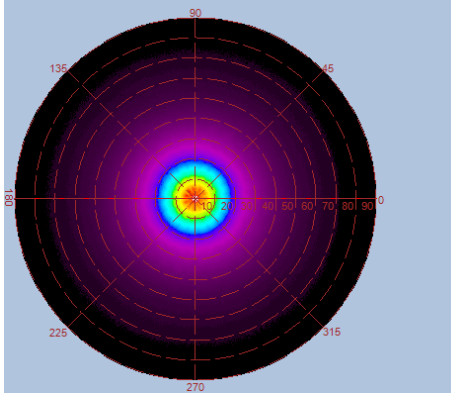


6. Having no drivers in the LED luminaire can reduce the temperature, improve the brightness and prolong the lifetime.

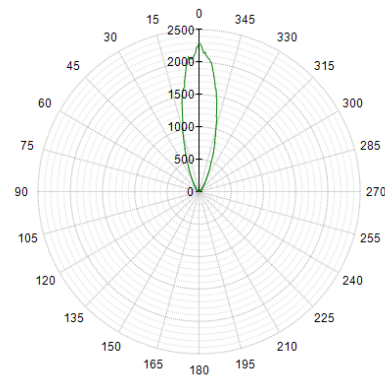
LED	DRIVER
AR111-V2AN-12 with no driver in built	GP-HS10P-48C1
AR111-V2AD-12 with no driver in built	GP-TS10P-42L or GP-TS10P-42H( AC-TRIAC Dimmable )

## Luminous Intensity Distribution Diagram

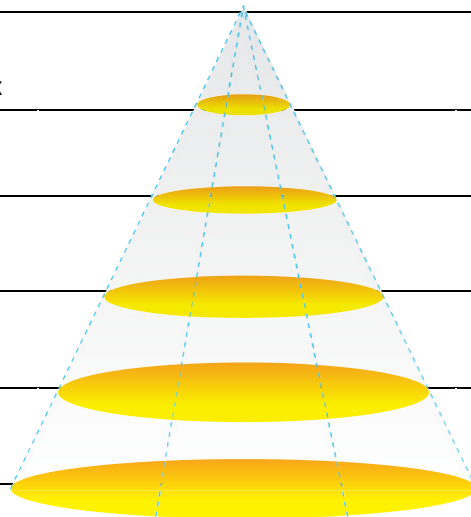
GL-AR111-V2-12-WW / CCT : 2700K



光强度 (Candela)

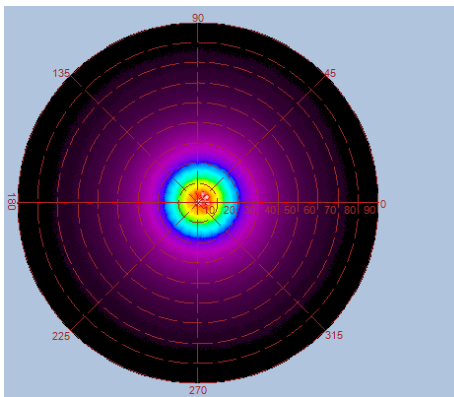
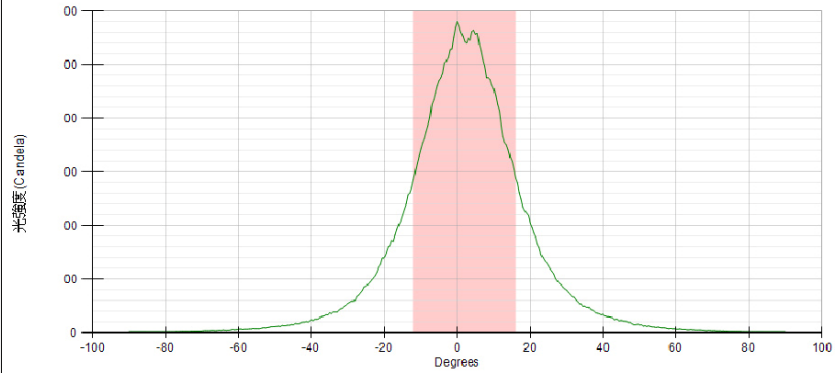
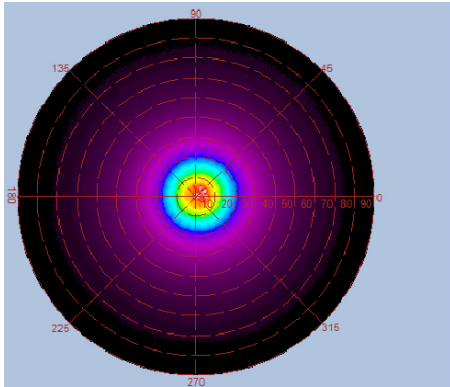


Height	E Max.	Diameter
1.0M	2559 Lx	53cm
2.0M	640 Lx	106cm
3.0M	284 Lx	159cm
4.0M	160 Lx	212cm
5.0M	102 Lx	265cm

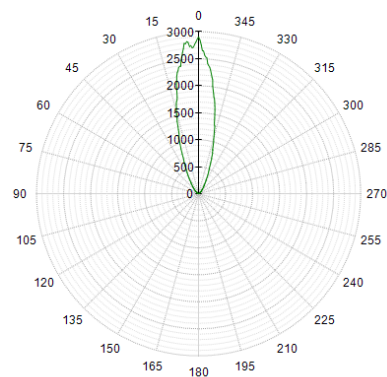


## Luminous Intensity Distribution Diagram

GL-AR111-V2-12-CW / CCT : 5700K



光強度 (Candela)



Height	E Max.	Diameter
1.0M	3260 Lx	53cm
2.0M	815 Lx	106cm
3.0M	363 Lx	159cm
4.0M	204 Lx	212cm
5.0M	130 Lx	265cm

