



Figure 1. The 60° Light



Figure 2. The 120° Light



Figure 3. Back View of the Light



Figure 4. Integrated LED Light Source

**FEATURES**

- Corrosion Resistant
- Dust-proof and Water-proof level: IP65\*
- High Reliability and Stability
- Use Powerful and Reliable Integrated LEDs
- High luminous output: >15,000 lumens
- Wide Input Voltage Range: 85VAC to 265VAC
- High-purity Aluminum Reflector and Heat-sink
- 5mm High Intensity Tempered Glass Window
- High Efficiency LED Driver
- Available in Narrow or Wide Beam Angles: 60° or 120°
- Long Life Time: 50,000 hours
- Easy Installation
- Certificates: CE and ROHS

\* Dust tight: complete protection against contact.  
 Water-proof: water projected by a 6.3mm nozzle against the enclosure from any direction shall have no harmful effects.

**APPLICATIONS**

Outdoor applications where resistances to water, corrosion, shock, dust are required and strong natural lighting is needed, such as marine lighting, tunnel lighting and other outdoor applications, etc.



Figure 5. Lighting Effect

**DESCRIPTIONS**

The ATMO-160W is an LED based lamp designed for outdoor applications where strong light and corrosion water resistance are required. This lamp has 2 beam emitting angles: 60° and 120°. It comes with the control and driving circuitries.

Mounting the lamp is easy and durable, due to the design of the mounting brackets and the stainless materials used.

The strong beam, equivalent to 500W high pressure sodium light, the natural white color, the long life time, making it the best choice for rough weather applications.

**SPECIFICATIONS**

Table 1. Characteristics:

Parameter		Value
Input Voltage		AC85V~265V
Frequency Range		50Hz~60Hz
Total Harmonic Distortion		≤ 9%
Power Factor		>0.98
Power Efficiency		>87%
LED Working Voltage		DC30~36V
LED Consumption		160 W
System Consumption		178 W
LED Luminous Efficiency		90-100LM/W
Luminous Flux		15220 Lm
Efficiency of the Lamps		>90%
Average Illuminance	Height 6M	405 Lux
	Height 8M	270 Lux
	Height 10M	170 Lux



Illuminance Area	Height 6M	∅ 3M circle spot
	Height 8M	∅ 4M circle spot
	Height 10M	∅ 6M circle spot
Illuminance Uniformity		> 0.7
Color Temperature		5000K~6000K
Color Rendering Index		Ra>85
LED Junction Temperature		≤80℃
Working Temperature		-40℃~+55℃
Storage Temperature		-40℃~+50℃
IP Grade		IP65
Working Life-span		50,000H
Connect wire	Brown	L
	Blue	N
	Yellow/Green	G
The color of the lamp shell		black
Certificate		CE, ROHS
GW		14KG
Package Size (MM)		660*255*335

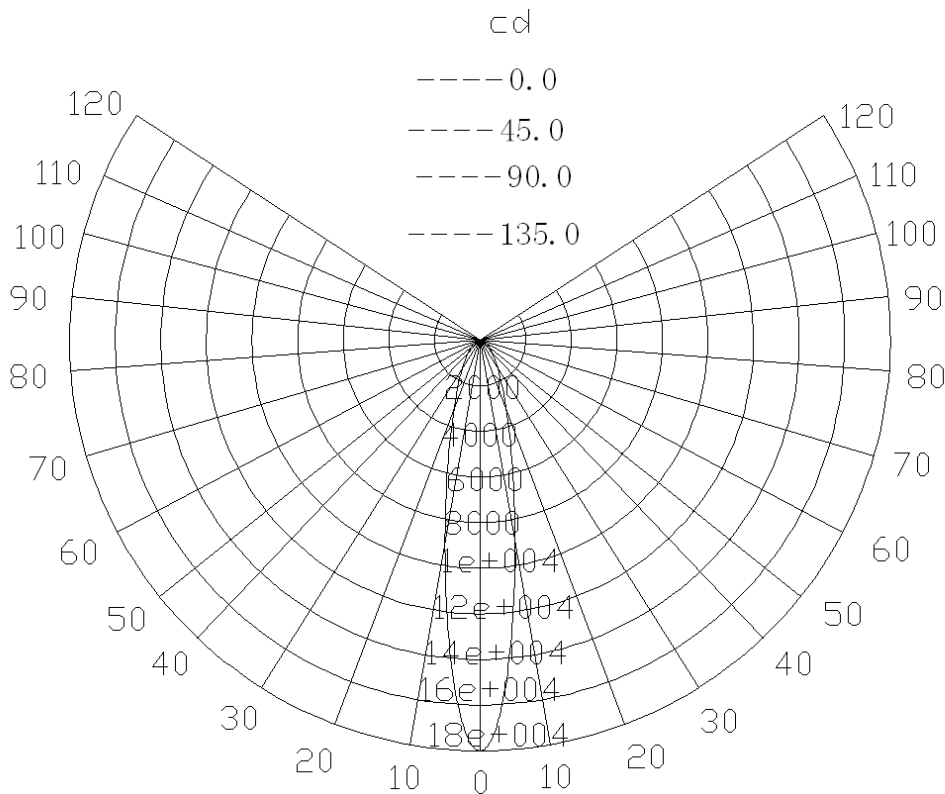


Table 2. Distribution curve



MECHANICAL DIMENSIONS

Figure 6 shows the dimensions of the light

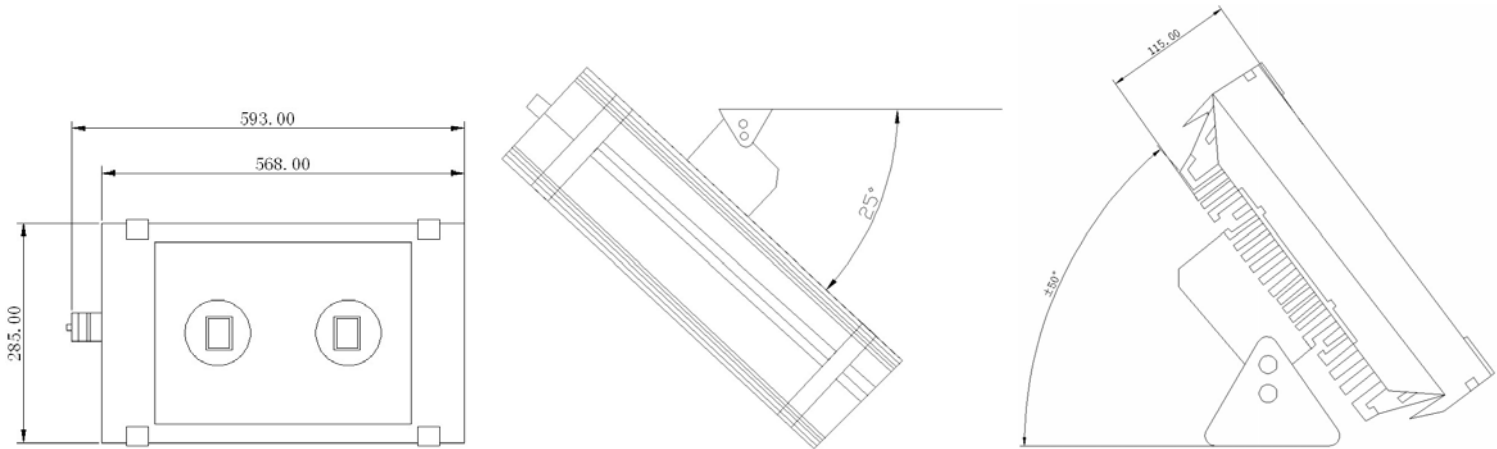


Figure 6. Mechanical Dimensions

ORDERING INFORMATION

Part #	Basic specification	1 to 99 Pcs.	100 to 499 Pcs.	500 to 999 Pcs.	> 1000 Pcs.
ATMO-160W60V1	160W 60°	\$400	\$385	\$360	\$350
ATMO-160W120V1	160W 120°	\$400	\$385	\$360	\$350