



## LED Lighting Module

### Features

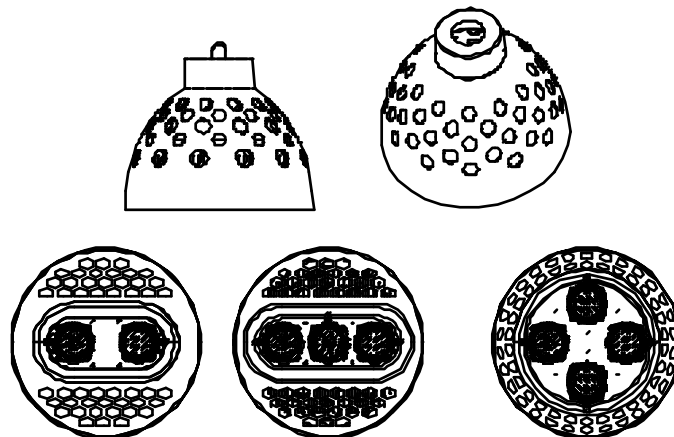
- Light source: Nichia high power LED
- 80lm/W luminaire efficacy
- No UV or IR light radiation
- Special batwing and asymmetrical light patterns
- $R_a > 68$
- Optimized heat management system
- 90V-264V AC input
- LED Power Consumptions of 120, 150, 200W
- Power factor  $> 95\%$  @110VAC,
- Power eff.  $> 90\%$  @220VAC
- Long LED lifetime  $> 30,000$  hours ( $L_{70}$ ); 3-year warranty
- IP67 for light engine & power supply unit
- Operation temperature:  $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$
- Easily upgradeable to higher performance light engine



### Typical Applications

- Warehouse
- Shopping mall
- Factory

### Housing Picture





## Product Specification

Parameter	Description
Light Source	Nichia high power LED
Optical Lens	PC Optical Lens <sup>1</sup>
Optical Design	Special Batwing and Asymmetrical Light Patterns
Color Temperature (CCT)	Typical 5000K ~ 6000K
Color Rendering Index	>68
Housing	Aluminum with Anti-corrosive Metallic Lacquer
Weight	~ 5.9Kg with power supply unit
Anti-static electricity	50KV
IP Rating	IP65

Note:

1. PC optical Lens can not be cleaned by organic or acidic solvent. Lens damage caused by organic or acidic solvent may lead to decrease of light output.
2. OD: Outer diameter

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<http://www.kinglighting.com.tw>

Date: Dec. 1, 2010



## Electro –Optical-Thermal Characteristics ( $T_{\text{Ambient}}=25^{\circ}\text{C}$ )

Parameter	Symbol	Property Unit			Unit
LED Power Consumption	W	~120	~150	~200	Watt
<sup>1</sup> Total Power Consumption	W	~132	~165	~218	Watt
<sup>2</sup> Initial Luminaire Light Output (Typical 5000K~6000K)	$\Phi_v$	+/-5% 10,000	+/-5% 12,500	+/-5% 16,800	lm
Input Voltage (AC)	VAC	90~264			V
Operating Temperature	$T_a$	-30 ~+70			$^{\circ}\text{C}$
Storage Temperature	$T_{\text{stg}}$	-40 ~ +100			$^{\circ}\text{C}$

Note:

1. The luminaire power consumption is the maximum value measured at 110VAC operating.
2. Luminaire light output is measured at  $T_a=25^{\circ}\text{C}$  by following LM-79 standard.

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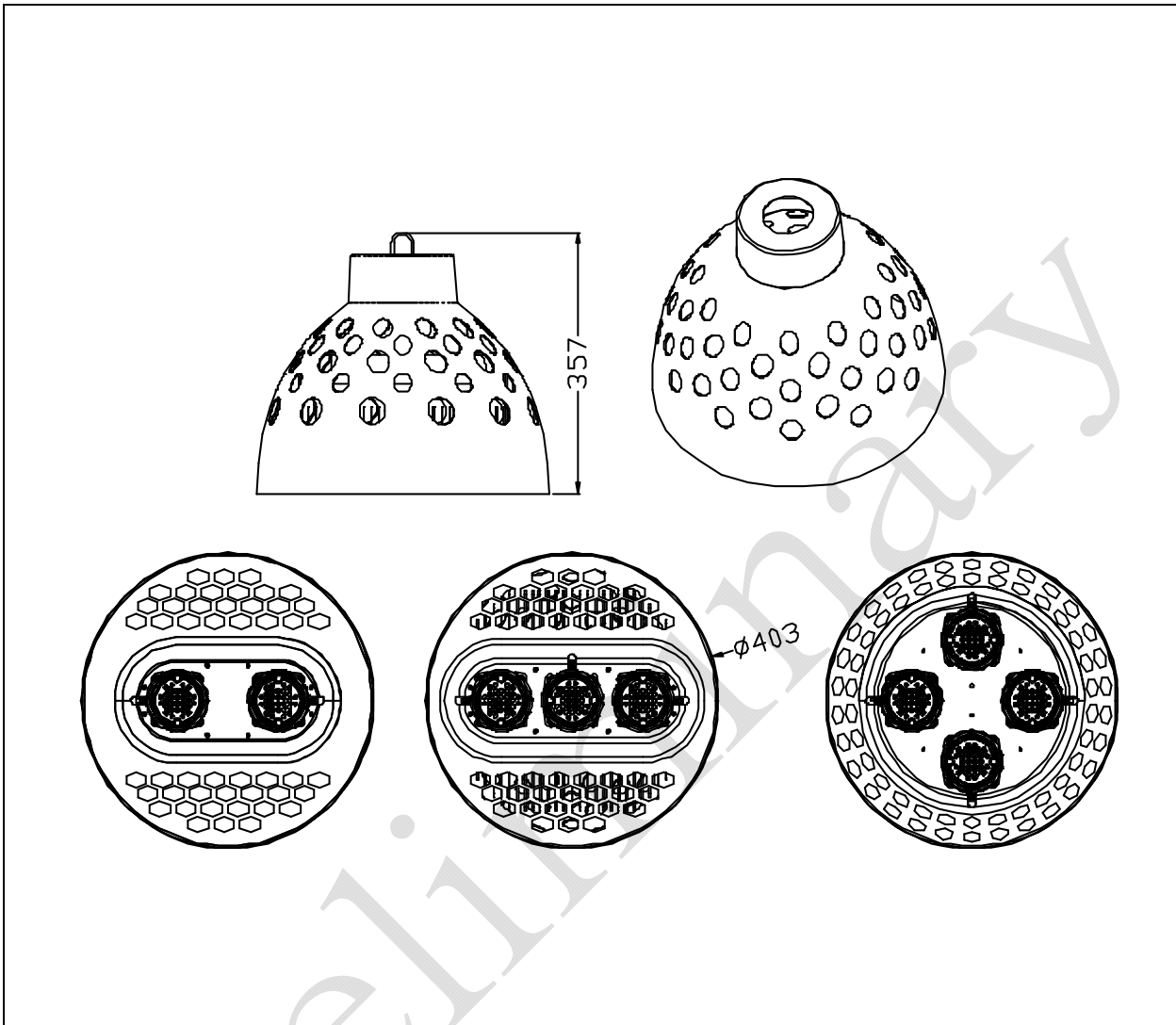
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**KWO GER METAL TECHNOLOGY, INC.**

**Product Dimension:  $\phi 403 \times 357(H)$  mm**



Note:

1. Dimensions are in millimeters.
2. Tolerances unless otherwise mentioned is +/-2mm.

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# LED Lighting Module Characteristics

Intensity Distribution Curve Choice	
Light Engine Type	KG70A (@120W)
Intensity Distribution Curve	
Height of Pole	10m
Width of Road	<20m
Light Pattern @10m Height	

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