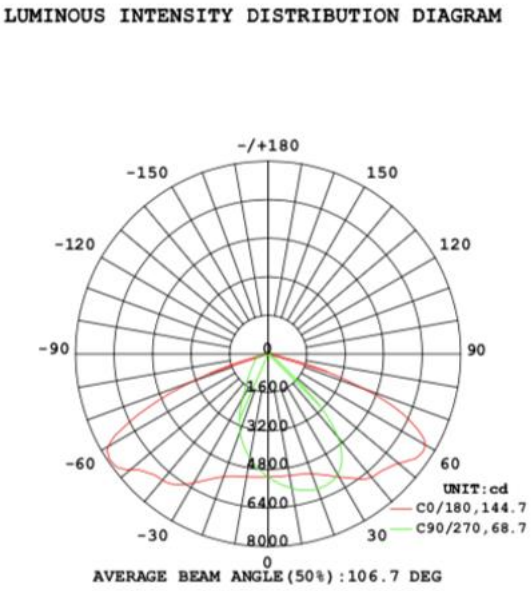
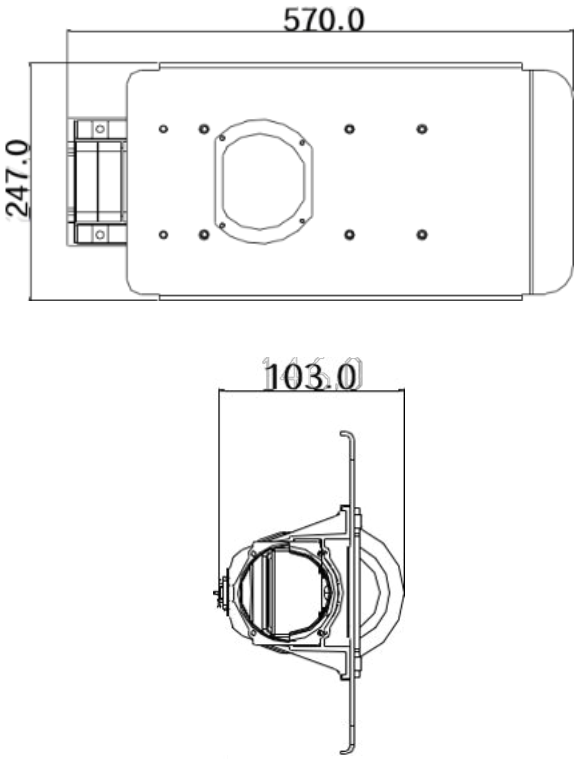
PCI Green LED Flat Street Lamp
Data Sheet

JML100W**K 2700-4000K Range

General Information	
Patented Technology	Thermal Resonance Heat Transfer LED Cooling
Housing Material	Aluminum
Driver/Power Unit/Transformer	Power supply unit
Electrical Protection	Safety class I
CQC Certification	CQC
SAA Certification	SAA
IP Rating	IP67
IK Rating	IK10
Mount	Post Top
Operating Ambient Temperature Range	-40 to +55 °C
Operating Ambient Humidity Range	0-95%
Light Source	COB
Electrical Data	
Power	100W
Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Power Factor (Nom)	0.98
Power Efficiency	≥ 95%
Lifespan L70B50	100,000
Warranty	5 years
Optical Data	
Luminaire Efficacy (Lm/W) **2700K** **4000K**	 160 174
Luminous Flux (Lm) **2700K** **4000K**	 16,206 17,654
CRI (Ra)	70
Average illumination (Lx) **EAVG** **EMAX**	 H:8M > 58 H:10M > 37 H:8M > 84 H:10M > 54
Annual Light Decay	≤ 2%
Distribution Type	Road Lighting
Physical Data	
Product Dimensions (Mm)	570(L) x 247(W) x 103(H)
Maximum Wind Area (M2)	0.11
Product Net Weight (Kg)	3.02
Packaging Data	
Packaging Dimensions (Mm)	610(L) x 340(W) x 260(H)
Units Per Packaging	2

Diagrams





AAI Figures

AAI Figure

Test:U:230.1V I:0.4472A P:101.1W PF:0.9823 Freq:50.00Hz Lamp Flux:17638.3x1 lm		
NAME: LED street lamp	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Karming Technologies Co.Ltd	SUR.:	Shielding Angle:N/A

Flux out:5786 lm

Height	Eavg,Emax	Diameter
1m	3756,5414lx	136.69cm
2m	939.1,1353lx	273.38cm
3m	417.4,601.5lx	410.07cm
4m	234.8,338.4lx	546.76cm
5m	150.3,216.6lx	683.45cm
6m	104.3,150.4lx	820.14cm
7m	76.66,110.5lx	956.83cm
8m	58.69,84.59lx	1093.52cm
9m	46.37,66.84lx	1230.22cm
10m	37.56,54.14lx	1366.91cm

Angle:68.70deg

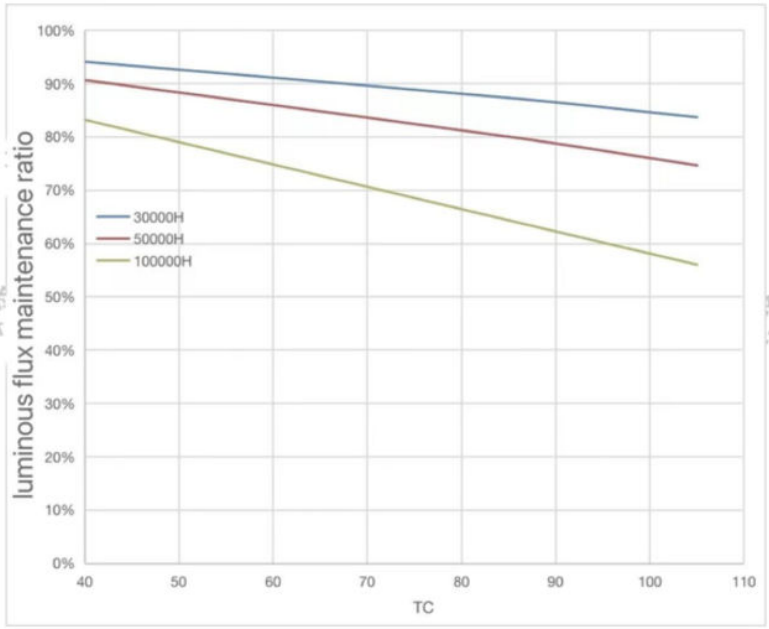
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Test Report (by LCS Testing Lab)

3.2 Lumen Maintenance Projection for luminaires

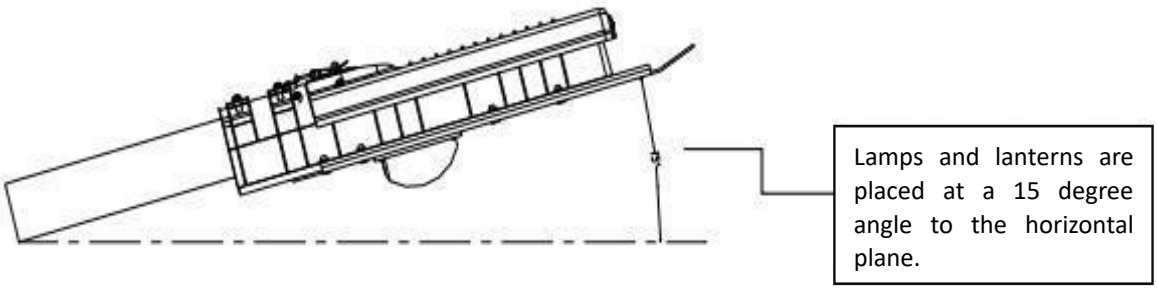
Criteria Item	Result
Drive current on each LED light source	1818mA
Reported L_{70} lumen maintenance life	>50000

Criteria Item(According to the figure below)	Result
30000h at which to estimate lumen maintenance	90.10%
50000h at which to estimate lumen maintenance	84.60%
100000h at which to estimate lumen maintenance	72.50%



Installation method

Luminaires should be placed at a 15 degree inclination angle with the horizontal plane to avoid uneven distribution of light. As shown in the figure below:



Safety Instructions

1. Warning! All power must be disconnected at power source before any installation and service procedure is performed.

Maintenance of lamps and lanterns must be performed by professional technician, non-professional do not remove lamps and lanterns;

2. This appliance is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as drapes and other furnishings, away from appliance.

3. Extreme caution is necessary when any appliance is used by or near children and whenever the appliance is left unattended.

4. Always disconnect appliance before cleaning, adjusting or maintaining this machine.

5. To prevent a possible fire, it is recommended that the unit is placed on a non-combustible surface.

6. This appliance has electrical parts. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.