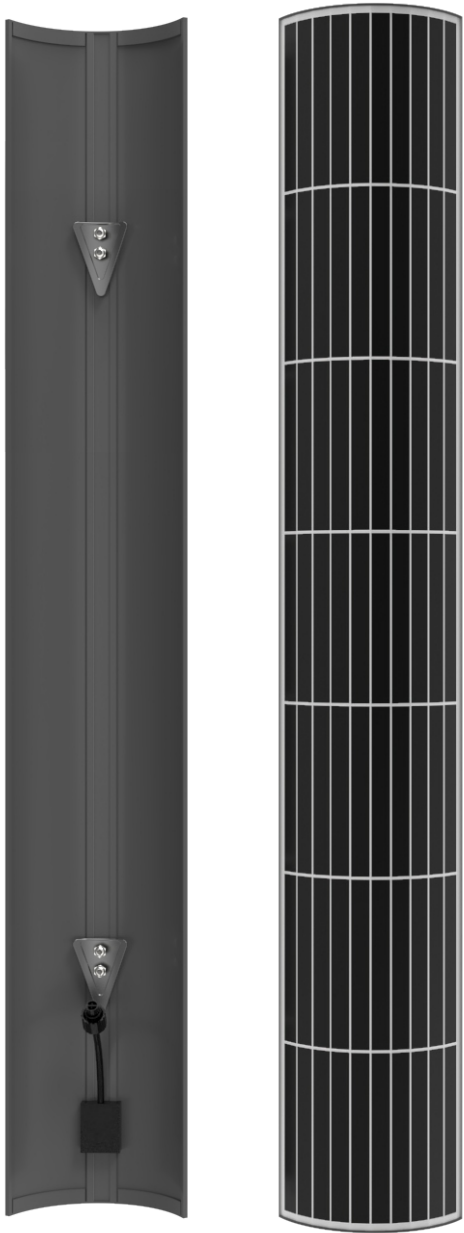


200-45W Curved solar panel

GB2301H-45W/18V-A



Solar panel series

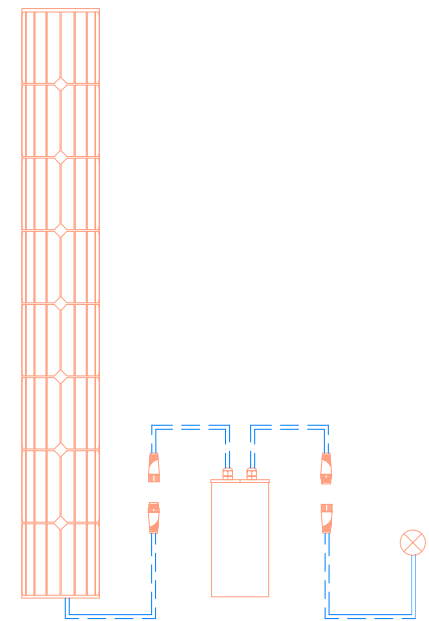
PRODUCT PARAMETER

Product model	.GB2301H-45W/18V-A
Solar panel power	45W
The output voltage	18V
The output current	2. 2A
Summon efficiency	24%
The material	Monocrystalline silicon cells
interface	M15 two conductor
Protection grade	IP65
Case pack	3

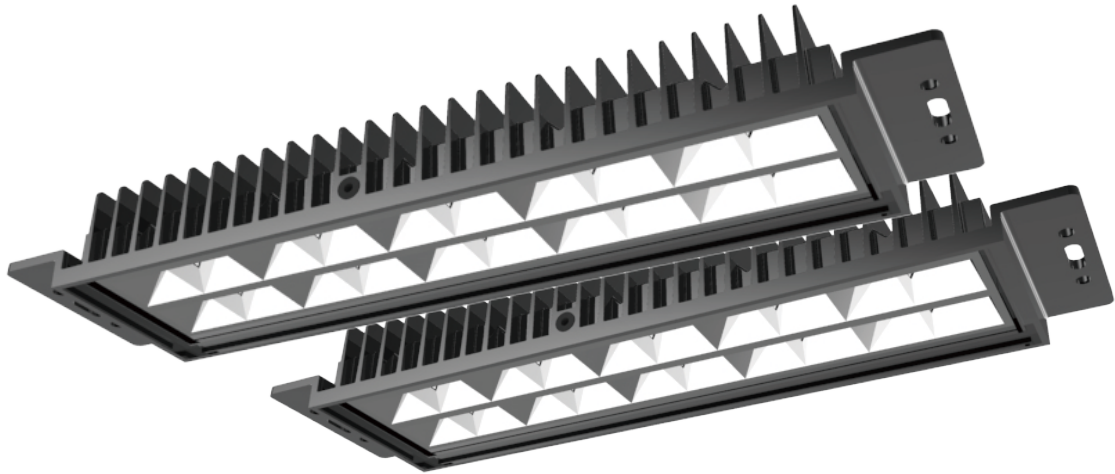
PRODUCT FEATURES

- * High conversion rate monocrystalline silicon solar cells, conversion rate up to 22%, good weak light, low light decay, stable performance.
- * The surface ETFE film has the characteristics of high pollution resistance and easy cleaning, can withstand high impact force, effectively resist hail, rain and snow, etc., and the light transmittance is as high as 93%;
- * Solar panel lamination, surrounded by high-performance adhesive sealant, comparable to welding.
- * High performance adhesive sealant used for 10 years without aging, not falling off, high temperature insulation, waterproof performance is strong.
- * According to the load demand, flexibly configure the number of solar panel cells and the serial mode.
- * Corrosion resistance, long service life.
- * Solar power generation, no electricity, energy saving and environmental protection, suitable for all kinds of solar street lamps and lamp poles.
- * Adopt the hook embedded installation, simple and convenient, easy maintenance.

CIRCUIT DIAGRAM



M400



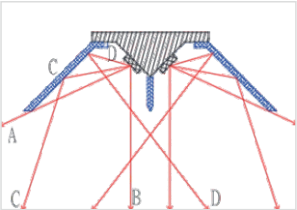
IP65 CCC CE

Sunflower series	PRODUCT PARAMETER	
	Product model	MDZ1-40
	Lamp bead power	20W/30W/40W
	Color Temperature	3000K/4000K/5700K
	Lighting effect	145lm/W、130lm/W、125lm/W
	Input voltage	DC29-33V
	Input current	6600mA/1000mA/1300mA
	Number of light beads	40PCS
	Color rendering index	Ra > 70
	Beam angle	110° × 70°
	Product size	256*70mm
	Protection level	IP65
	Waterproof fitting standard	M15

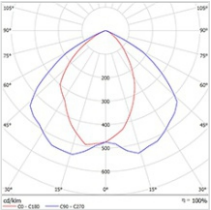
PRODUCT FEATURES

- * Anti glare patented technology design
- * Long lifespan of up to 10 years
- * Using a light source **OSRAM** / **LUMILEDS**
- * Tempered panel, anti-aging, durable and clean free

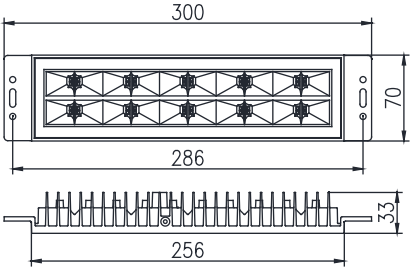
LIGHT DISTRIBUTION DIAGRAM



Schematic diagram of anti glare
light distribution of invention patent

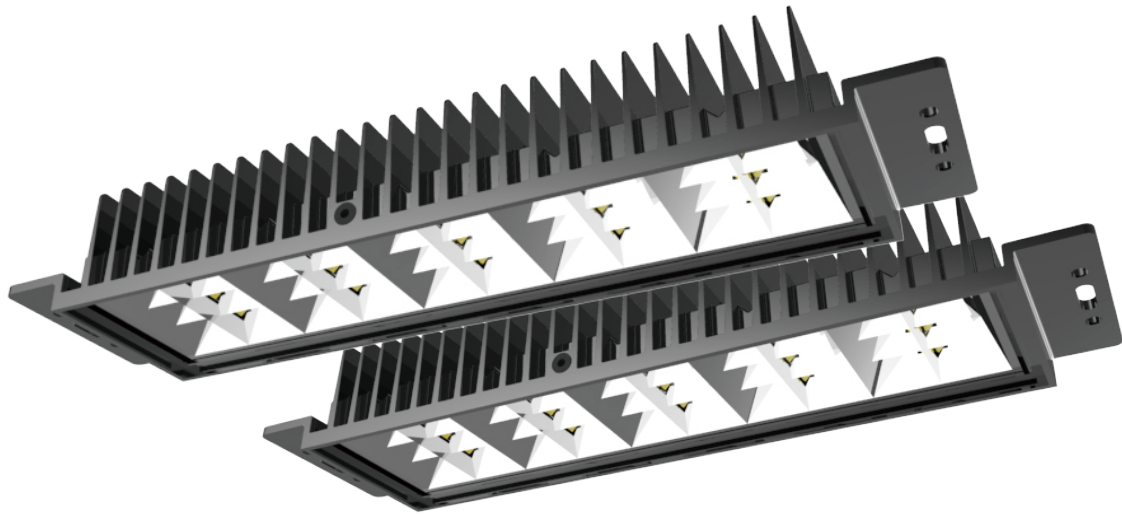


Light distribution curve



M600

IP65 CCC CE

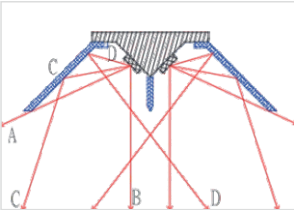


Sunflower series	PRODUCT PARAMETER	
	Product model	MDZ1-60
	Lamp bead power	30W/40W/50W
	Color Temperature	3000K/4000K/5700K
	Lighting effect	145lm/W、140lm/W、135lm/W
	Input voltage	DC33-39V
	Input current	6600mA/1000mA/1300mA
	Number of light beads	60PCS
	Color rendering index	Ra > 75
	Beam angle	110° × 70°
	Product size	256*70mm
	Protection level	IP65
	Waterproof fitting standard	M15

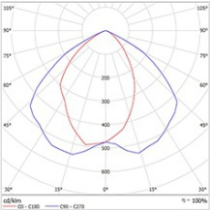
PRODUCT FEATURES

- * Anti glare patented technology design
- * Long lifespan of up to 10 years
- * Using a light source **OSRAM** / **LUMILEDS**
- * Tempered panel, anti-aging, durable and clean free

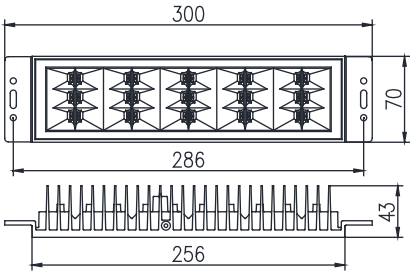
LIGHT DISTRIBUTION DIAGRAM



Schematic diagram of anti glare
light distribution of invention patent



Light distribution curve



Phoenix series

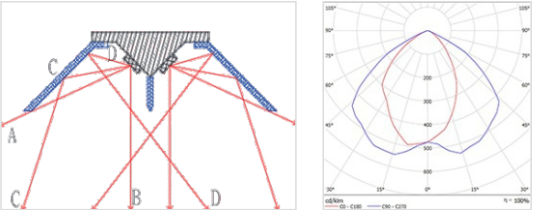
PRODUCT PARAMETER

Product model	DD2001G
Lamp bead power	20W/30W/40W/60W/80W/100W/120W
Color Temperature	3000K/4000K/5700K
Luminous flux	3600 lm/5400lm/7200lm/10200lm/13600lm/16000lm/19200lm
Input voltage	DC24V
Solar panel power	80W/18V
Number of light beads	192PCS
Protection level	IP65
Beam angle	110°×70°
Applicable rod diameter	Φ60mm
Pole height	4m/6m/7m/8m/10m/12m
Light body color	RAL9007

PRODUCT FEATURES

- * Anti glare patented technology design
- * Long lifespan of up to 10 years
- * Using a light source **OSRAM** / **LUMILEDS**
- * Tempered panel, anti-aging, durable and clean free

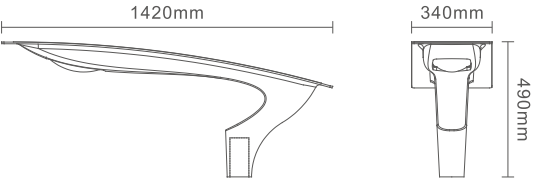
LIGHT DISTRIBUTION DIAGRAM



Schematic diagram of anti glare
light distribution of invention patent

Light distribution curve

PRODUCT DIMENSION DRAWING





Phoenix series

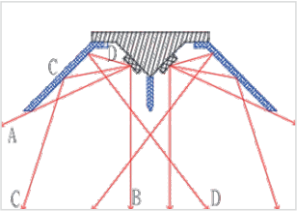
PRODUCT PARAMETER

Product model	DD2002G
Lamp bead power	20W/30W/40W/60W/80W/100W/120W
Color Temperature	3000K/4000K/5700K
Luminous flux	3600 lm/5400lm/7200lm/10200lm/13600lm/16000lm/19200lm
Input voltage	DC24V
Solar panel power	80W/18V
Number of light beads	192PCS
Protection level	IP65
Beam angle	110°×70°
Applicable rod diameter	Φ60mm
Pole height	4m/6m/7m/8m/10m/12m
Light body color	RAL9007

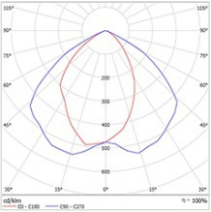
PRODUCT FEATURES

- * Anti glare patented technology design
- * Long lifespan of up to 10 years
- * Using a light source **OSRAM** / **LUMILEDS**
- * Tempered panel, anti-aging, durable and clean free

LIGHT DISTRIBUTION DIAGRAM

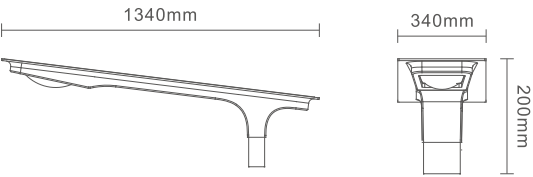


Schematic diagram of anti glare
light distribution of invention patent



Light distribution curve

PRODUCT DIMENSION DRAWING



Grille

Phoenix series

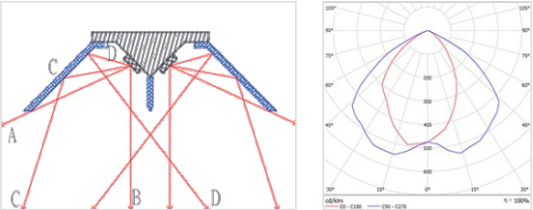
PRODUCT PARAMETER

Product model	DD2003G
Lamp bead power	20W/30W/40W/60W/80W/100W/120W
Color Temperature	3000K/4000K/5700K
Luminous flux	3600 lm/5400lm/7200lm/10200lm/13600lm/16000lm/19200lm
Input voltage	DC24V
Solar panel power	80W/18V
Number of light beads	192PCS
Protection level	IP65
Beam angle	110°×70°
Applicable rod diameter	Φ60mm
Pole height	4m/6m/7m/8m/10m/12m
Light body color	RAL9007

PRODUCT FEATURES

- * Anti glare patented technology design
- * Long lifespan of up to 10 years
- * Using a light source **OSRAM** / **LUMILEDS**
- * Tempered panel, anti-aging, durable and clean free

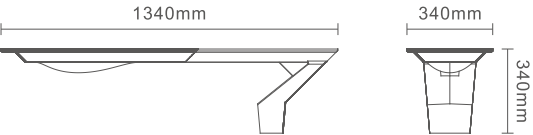
LIGHT DISTRIBUTION DIAGRAM



Schematic diagram of anti glare
light distribution of invention patent

Light distribution curve

灯具尺寸 PRODUCT DIMENSION DRAWING



Grille

