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PHISAIL | 品航
Deliver light and love



Founder & CEO

Shi Chen

Some will write things here that no one will even read. Because they are eager to show off their products. A lot of times I think about the fact that people in our line of work are more or less attached to the light. Light gives us life and a colourful life. That's why our slogan is deliver light and love, and I hope you feel the same as I do.



Founder & CEO

Xiang Li

This is my favourite poem:
“I want to be a beam of light.
Illuminate oneself confidence magnanimous bloom light.
Incidentally warm those who need light.”

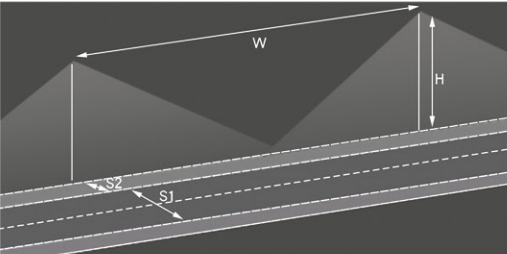


LED luminaires

JINYE ROAD LAMP



Lighting examples

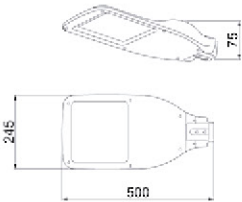


Single carriageway with two lanes+pavement

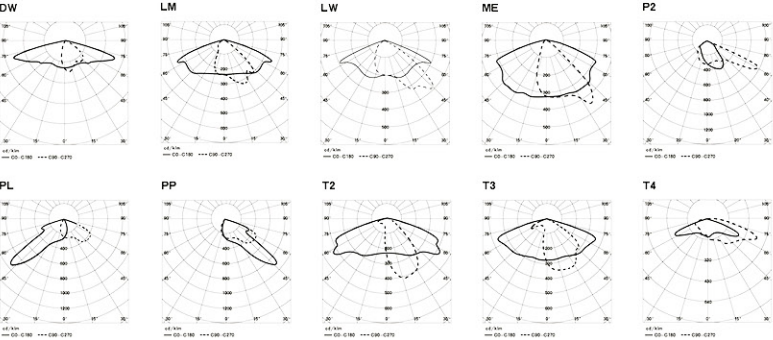
CUDDLE MINI LED 48W, LN optics

Parameters

- H-luminaire mounting heigh:8m
- W-column spacing:42m
- S1-road width:7m
- S2-pavement width:2m



Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Installation:directly on extension arm with $\varnothing 60\times 100\text{mm}$ ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



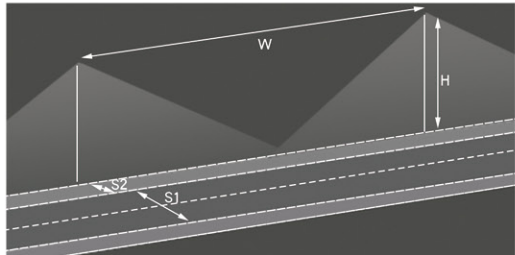
Rating	50W	100W	150W	200W
Rated voltage	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2
Lamp size	500*245*75mm	500*245*75mm	600*295*90mm	600*295*90mm
Outer box size	620*260*120mm	620*260*120mm	720*310*130mm	720*310*130mm
Number of cases	1pc/pc	1pc/pc	1pc/pc	1pc/pc
Lamp bead brands	San'an	San'an	San'an	San'an
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	5000LM	10000LM	15000LM	20000LM
Net weight	3.0kg	3.1kg	4.4kg	4.5kg



LED luminaires
ROAD LAMP



Lighting examples



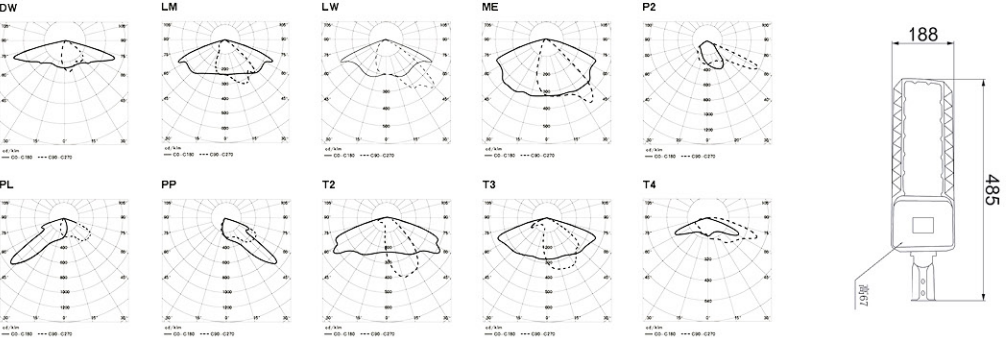
Single carriageway with two lanes+pavement

CUDDLE MINI LED 48W, LN optics

Parameters

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W-column spacing:42m
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Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
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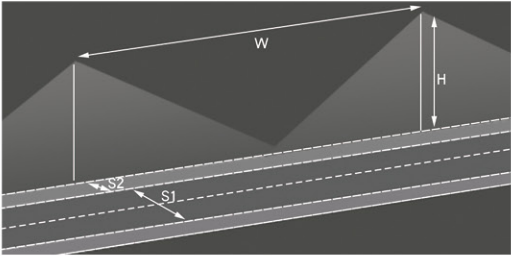


Rating	30W-50W	50W-80W	100W-120W	150W-180W	200W-240W
Rated voltage	AC220V	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2	WF2
Lamp size	392*160*82mm	482*188*67mm	565*220*67mm	660*240*67mm	760*276*67mm
Number of cases	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc
Lamp bead model	5050/21pcs	5050/40pcs	5050/78pcs	5050/120pcs	5050/170pcs
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	6000LM	10000LM	20000LM	30000LM	40000LM
Lenticular	T2M full cut-off	T2M full cut-off	T2M full cut-off	T2M full cut-off	T2M full cut-off
Net weight	1.4g	2.0kg	2.6kg	3.2kg	3.9kg

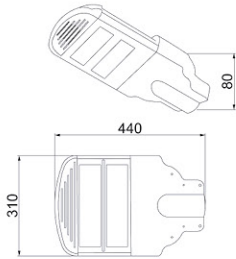
LED luminaires
ROAD LAMP



Lighting examples



Single carriageway with two lanes+pavement



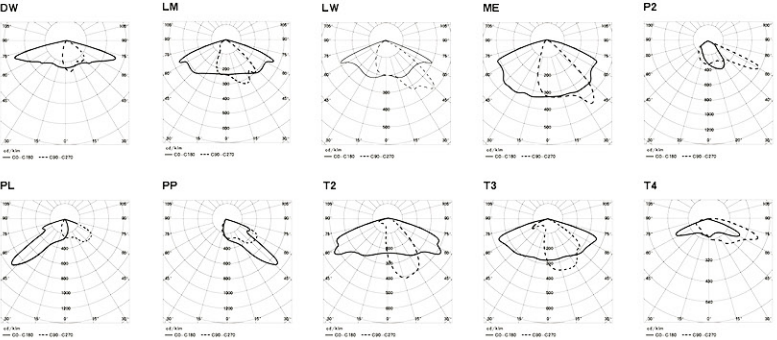
CUDDLE MINI LED 48W,LN optics

Parameters

H-luminaire mounting heigh:8m
W-column spacing:42m
S1-road width:7m
S2-pavement width:2m

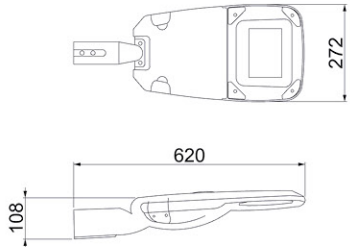
Lighting class
M5-Carriageway | P4-Pavement

Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Installation:directly on extension arm with $\varnothing 60\times 100\text{mm}$ ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)

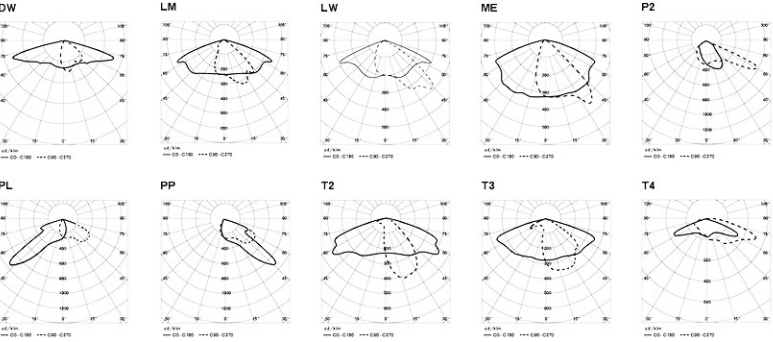


Rating	50W	100W	150W	200W	250W	300W
Rated voltage	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2	WF2	WF2
Lamp size	360*310*80mm	440*310*80mm	520*310*80mm	595*310*80mm	675*310*80mm	750*310*80mm
Outer box size	370*320*100mm	460*320*100mm	540*320*100mm	640*320*100mm	700*320*100mm	760*320*100mm
Number of cases	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc
Lamp bead brands	San'an	San'an	San'an	San'an	San'an	San'an
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	5000LM	10000LM	15000LM	20000LM	25000LM	20000LM
Net weight	1.6g	2.15kg	2.65kg	3.2kg	3.75kg	4.3kg

LED luminaires
ROAD LAMP



Application:motorways and expressways,urban roads,(internal)residential roads,pedestrian routes,car parks.
Installation:directly on extension arm with $\varnothing 60 \times 100$ mm ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



Rating	50W	100W	150W	200W	250W/300W
Rated voltage	AC220V	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2	WF2
Lamp size	520*200*100mm	620*272*108mm	720*272*108mm	750*333*115mm	850*333*115mm
Outer box size	640*310*185mm	640*310*185mm	750*310*185mm	755*385*165mm	885*390*190mm
Number of cases	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc
Lamp bead brands	San'an	San'an	San'an	San'an	San'an
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	5000LM	10000LM	15000LM	20000LM	25000LM/30000LM
Net weight	2.8g	3.9kg	5.8kg	7.2kg	8.2kg

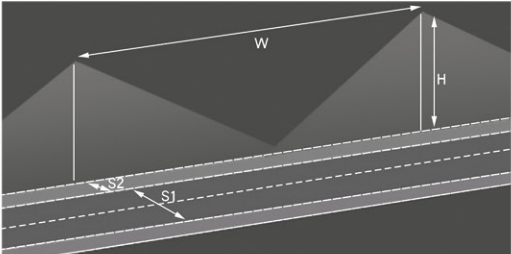


LED luminaires

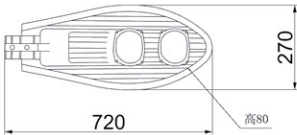
ROAD LAMP



Lighting examples



Single carriageway with two lanes+pavement



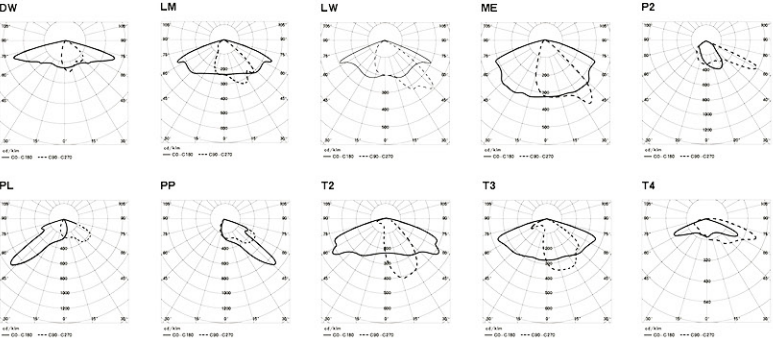
CUDDLE MINI LED 48W,LN optics

Parameters

H-luminaire mounting heigh:8m
W-column spacing:42m
S1-road width:7m
S2-pavement width:2m

Lighting class
M5-Carriageway | P4-Pavement

Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Installation:directly on extension arm with $\varnothing 60\times 100\text{mm}$ ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



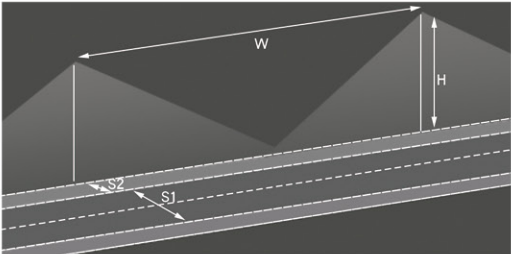
Rating	50W	100W	150W	200W	250W
Rated voltage	AC220V	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2	WF2
Lamp size	620*235*80mm	720*270*80mm	860*330*80mm	950*330*80mm	1100*320*80mm
Outer box size	630*240*95mm	730*290*113mm	870*330*113mm	960*330*113mm	1115*345*115mm
Number of cases	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc
Lamp bead brands	San'an	San'an	San'an	San'an	San'an
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	5000LM	10000LM	15000LM	20000LM	25000LM
Net weight	1.5g	2.2kg	3.15kg	3.9kg	4.7kg



LED luminaires
ROAD LAMP



Lighting examples

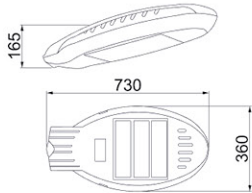


Single carriageway with two lanes+pavement

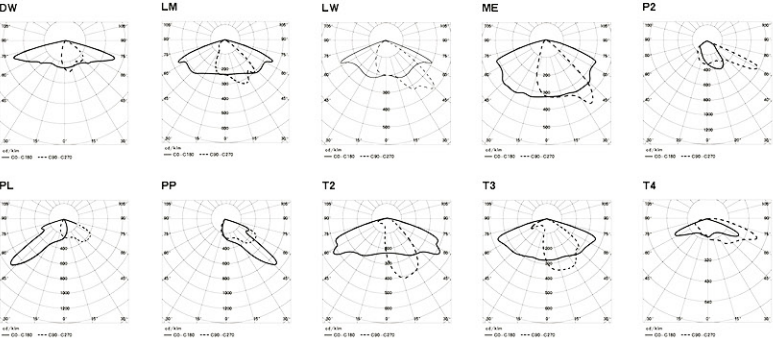
CUDDLE MINI LED 48W,LN optics

Parameters

- H-luminaire mounting heigh:8m
- W-column spacing:42m
- S1-road width:7m
- S2-pavement width:2m



Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Installation:directly on extension arm with $\varnothing 60 \times 100$ mm ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



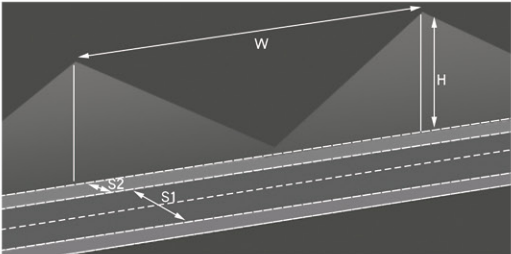
Rating	50W	100W	150W	200W	250W
Rated voltage	AC220V	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2	WF2
Lamp size	730*360*165mm	730*360*165mm	730*360*165mm	860*410*180mm	860*410*180mm
Outer box size	730*370*170mm	730*370*170mm	730*370*170mm	860*410*180mm	860*410*180mm
Number of cases	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc
Lamp bead brands	San'an	San'an	San'an	San'an	San'an
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	5000LM	10000LM	15000LM	20000LM	25000LM
Net weight	2.9g	3.8kg	4.5kg	7.1kg	7.6kg



LED luminaires
ROAD LAMP



Lighting examples

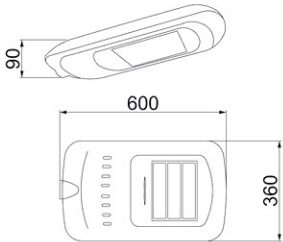


Single carriageway with two lanes+pavement

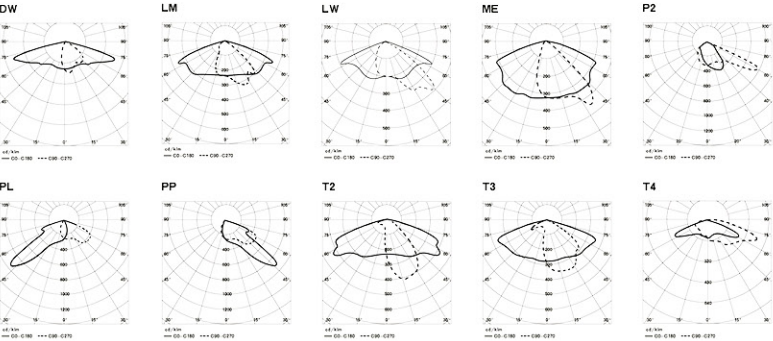
CUDDLE MINI LED 48W, LN optics

Parameters

- H-luminaire mounting heigh:8m
- W-column spacing:42m
- S1-road width:7m
- S2-pavement width:2m



Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Installation:directly on extension arm with $\varnothing 60\times 100\text{mm}$ ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor: ≥ 0.95
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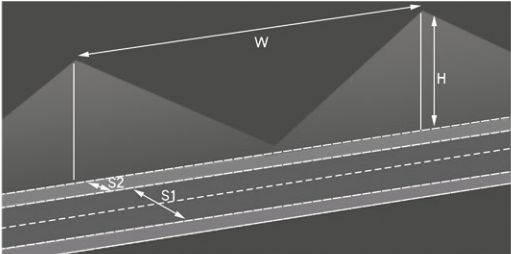


Rating	50W	100W	150W	200W	250W/300W
Rated voltage	AC220V	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2	WF2
Lamp size	600*360*90mm	600*360*90mm	600*360*90mm	700*360*90mm	860*360*90mm
Outer box size	630*380*200mm	630*380*200mm	710*380*200mm	710*380*200mm	880*365*115mm
Number of cases	2pcs/pc	2pcs/pc	2pcs/pc	2pcs/pc	2pcs/pc
Lamp bead brands	San'an	San'an	San'an	San'an	San'an
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	5000LM	10000LM	15000LM	20000LM	25000LM/30000LM
Net weight	2.7kg	3.2kg	3.8kg	4.2kg	6.5kg



LED luminaires
ROAD LAMP

Lighting examples

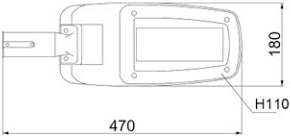


Single carriageway with two lanes+pavement

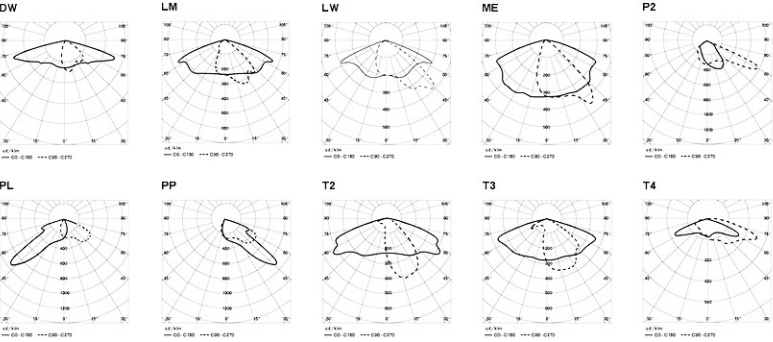
CUDDLE MINI LED 48W,LN optics

Parameters

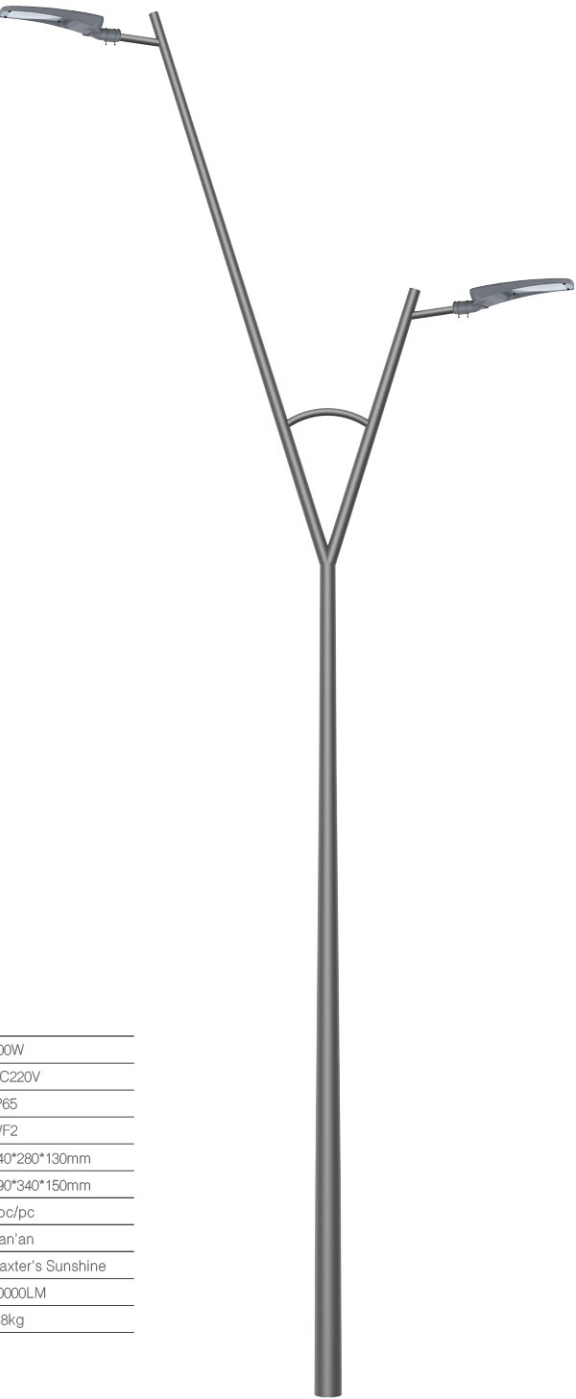
H-luminaire mounting heigh:8m
W-column spacing:42m
S1-road width:7m
S2-pavement width:2m



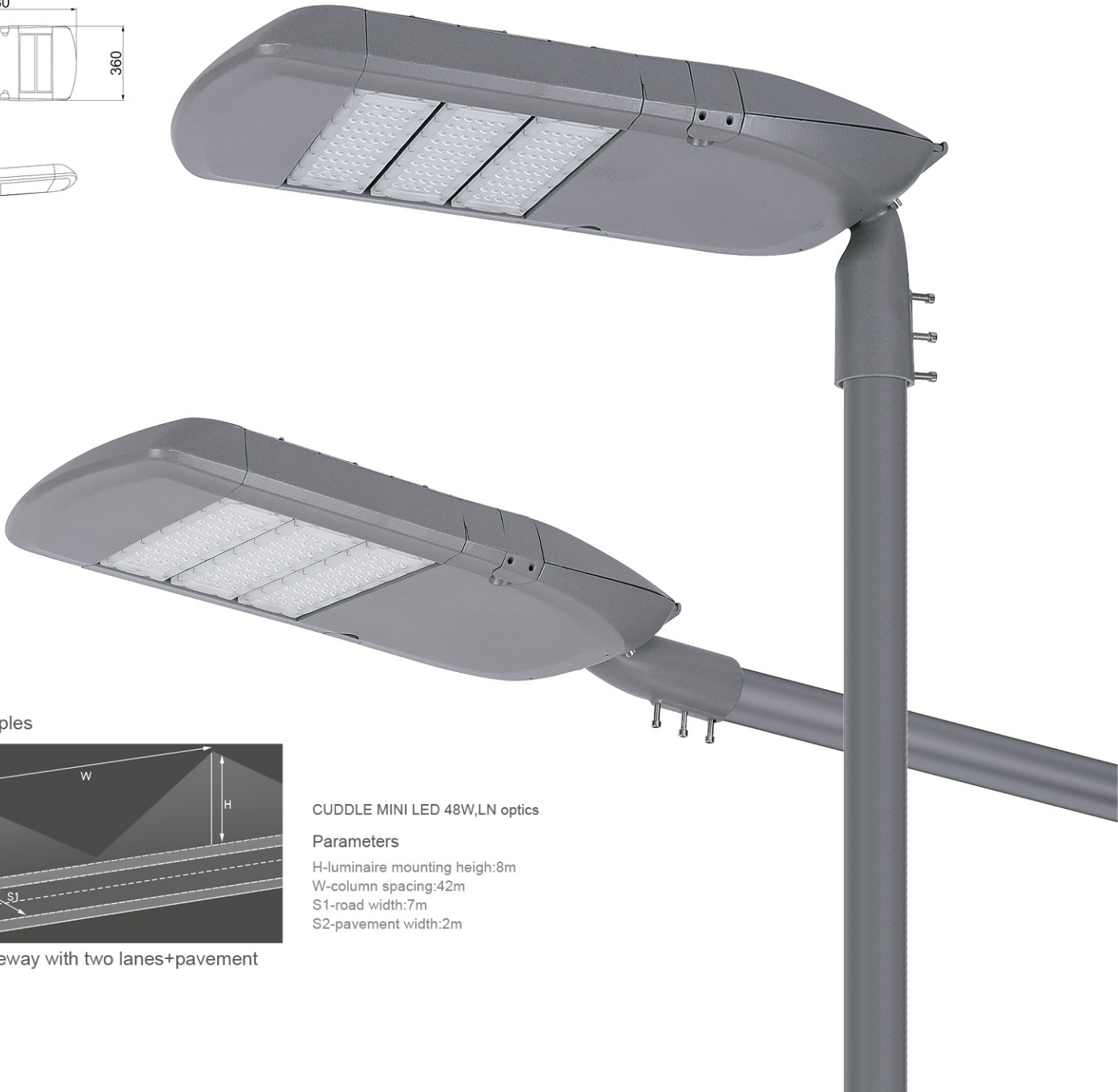
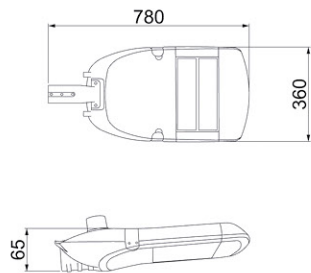
Application:motorways and expressways,urban roads,(internal)residential roads,pedestrian routes,car parks.
Installation:directly on extension arm with $\varnothing 60 \times 100$ mm ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



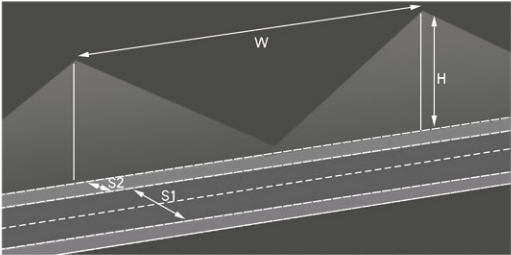
Rating	40W	60W	100W	150W	200W
Rated voltage	AC220V	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2	WF2
Lamp size	420*180*100mm	470*180*110mm	560*240*115mm	690*280*130mm	740*280*130mm
Outer box size	485*240*120mm	530*240*120mm	620*290*150mm	740*340*150mm	790*340*150mm
Number of cases	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc
Lamp bead brands	San'an	San'an	San'an	San'an	San'an
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	4000LM	6000LM	10000LM	15000LM	20000LM
Net weight	1.65kg	1.7kg	3.0kg	5.0kg	5.8kg



LED luminaires
ROAD LAMP



Lighting examples



CUDDLE MINI LED 48W, LN optics

Parameters

H-luminaire mounting high:8m

W-column spacing:42m

S1-road width:7m

S2-pavement width:2m

Single carriageway with two lanes+pavement

Application:motorways and expressways,urban roads,(internal)residential roads,pedestrian routes,car parks.

Installation:directly on extension arm with $\varnothing 60 \times 100$ mm ending

Protection class:IP66

Material:anodised aluminum alloy

Color:inox/black

Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser

Number of LEDs:16

Expeted useful lifetime:100000h

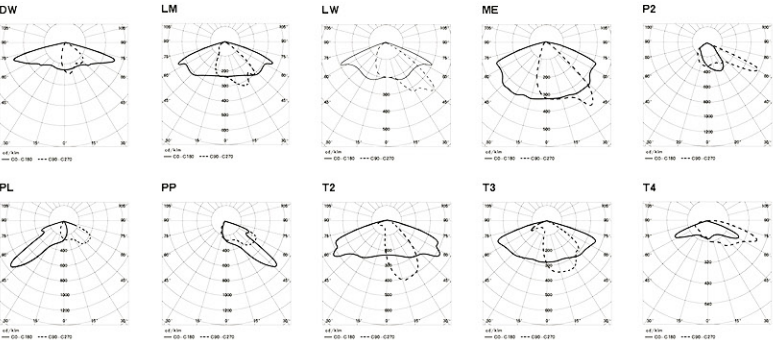
CRI: > 70

Unit volume:0.01m³

Input voltage frequency:50/60Hz

Power factor:≥0.95

Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



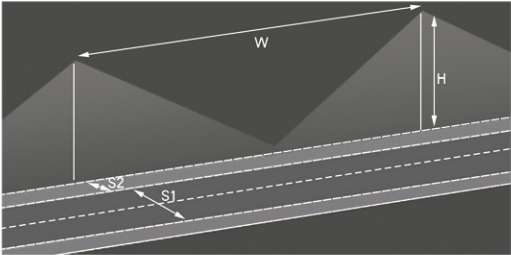
Rating	50W	100W	150W	200W	250W	300W
Rated voltage	AC220V	AC220V	AC220V	AC220V	AC220V	AC220V
Protection class	IP65	IP65	IP65	IP65	IP65	IP65
Anti-corrosion grade	WF2	WF2	WF2	WF2	WF2	WF2
Lamp size	700*360*65mm	780*360*65mm	860*360*65mm	940*360*65mm	1020*360*65mm	1100*360*65mm
Outer box size	570*370*150mm	650*370*150mm	730*370*150mm	810*370*150mm	890*370*150mm	970*370*150mm
Number of cases	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc	1pc/pc
Lamp bead brands	San'an	San'an	San'an	San'an	San'an	San'an
Drive brands	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine	Baxter's Sunshine
Photosynthetic efficiency	5000LM	10000LM	15000LM	20000LM	25000LM	30000LM
Net weight	4.9kg	6.2kg	7.4kg	8.7kg	9.9kg	11.2kg



LED luminaires
ROAD LAMP



Lighting examples



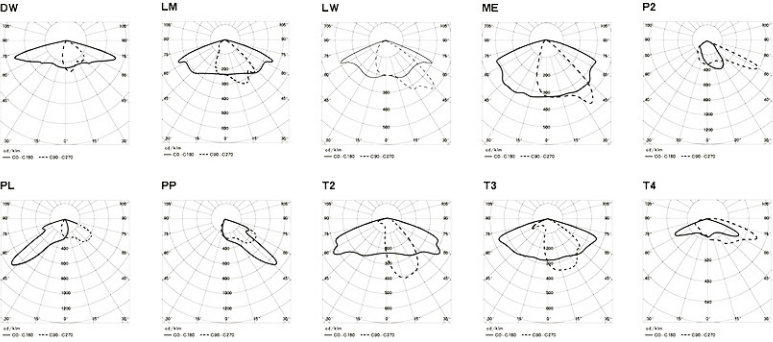
Single carriageway with two lanes+pavement

CUDDLE MINI LED 48W, LN optics

Parameters

H-luminaire mounting heigh:8m
W-column spacing:42m
S1-road width:7m
S2-pavement width:2m

Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Installation:directly on extension arm with $\varnothing 60\times 100$ mm ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



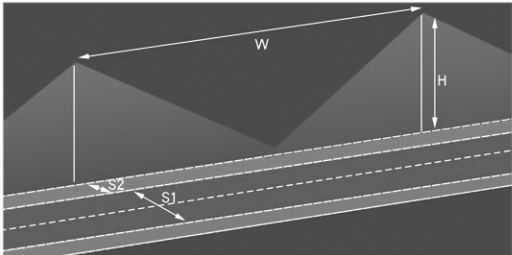
Rating	200W	300W
Lamp size	590*256*75mm	740*256*75mm
Microchip	3030 LED Chips 40pcs	3030 LED Chips 84pcs
Photovoltaic panel	5V 18W single crystal silicon	5V 28W single crystal silicon
Photovoltaic Panel Size	500*251.5mm	650*251.5mm
Batteries	3.2V 15000MAH lithium iron phosphate	3.2V 25000MAH lithium iron phosphate
Color Temperature	6000-6500K	6000-6500K
Operating mode	Light control + time control + remote control	Light control + time control + remote control
Housing Material	Die-cast aluminum	Die-cast aluminum
Warranty	3 Years	3 Years
Longevity	50,000 hours	50,000 hours
Beam angle	70° *140°	70° *140°
Protection class	IP65	IP65



LED luminaires
ROAD LAMP



Lighting examples



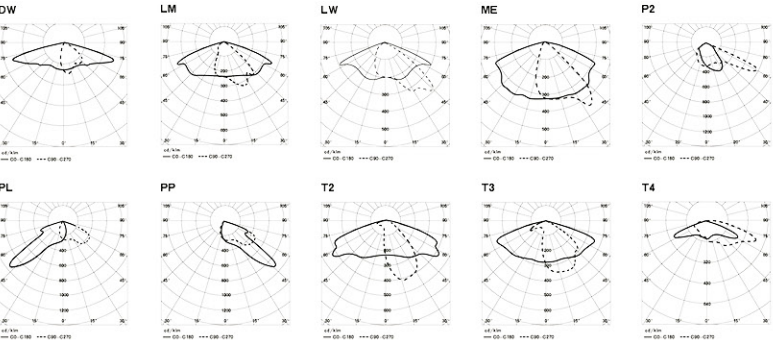
Single carriageway with two lanes+pavement

CUDDLE MINI LED 48W, LN optics

Parameters

- H-luminaire mounting heigh:8m
- W-column spacing:42m
- S1-road width:7m
- S2-pavement width:2m

Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Installation:directly on extension arm with $\varnothing 60\times 100$ mm ending
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime:100000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



Rating	200W	400W
Lamp size	446*225*81mm	466*240*82mm
Microchip	5050 30pcs	5050 60pcs
Photovoltaic panel	6V 25W single crystal silicon	6V 45W single crystal silicon
Photovoltaic Panel Size	350*450*16	680*390*16
Batteries	3.2V 20000MAH lithium iron phosphate	3.2V 40000MAH lithium iron phosphate
Color Temperature	6500-7000K	6500-7000K
Housing Material	Die-cast aluminum+PC	Die-cast aluminum+PC
Warranty	3 Years	3 Years
Longevity	50,000 hours	50,000 hours
Beam angle	70° *140°	70° *140°
Protection class	IP65	IP65

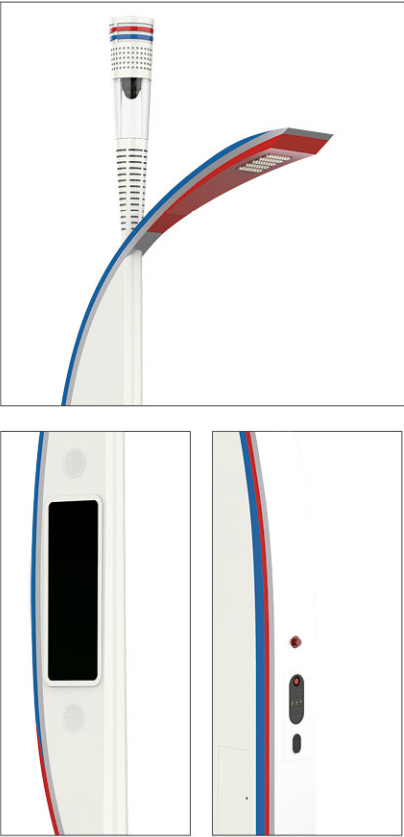


RHYTHM
(NORMAL/INTELLIGENT/SINGLE/DOUBLE ARM)
LED SMART STREET LIGHT

Product description

The appearance is simple and generous, with stretching lines and active paint matching.

Carrying functional modules fully built-in, in order to achieve functional configuration at the same time, to ensure the overall unity of the installation effect.



CRISS-CROSSED
(NORMAL/INTELLIGENT/SINGLE/DOUBLE ARM)
LED SMART STREET LIGHT

Product description

Vertical and Horizontal' landscape intelligent control lighting system, modern and simple modelling, style in the dynamic. The overall modelling design revolves around firm geometric lines and forms, and on top of achieving the basic functions of intelligent control, emission reduction and light effect, the use of different materials, combined with the characteristics of the application environment, cleverly gives the lamps and lanterns a modern appearance and a layered lighting effect.

Rendering





SCINTILLATION (NORMAL/INTELLIGENT/SINGLE/DOUBLE ARM) LED SMART STREET LIGHT

Product description

Scintillating' intelligent lamps, the modelling creativity comes from the mine shaft and tunnel in the mining, smelting and casting process of the furnace and Fan casting process. The design of the lamp arm and the lamp band slot of the pole body not only makes the modelling have a sense of hierarchy, but also the fire-red lamp band symbolises the hot copper and iron, the red-hot mining business. The overall modelling of the sense of science and technology implies that we adhere to the deep industrial cultural heritage, embrace modern technology and take the forward route of carbon reduction and environmental protection, high-tech development.

Rendering

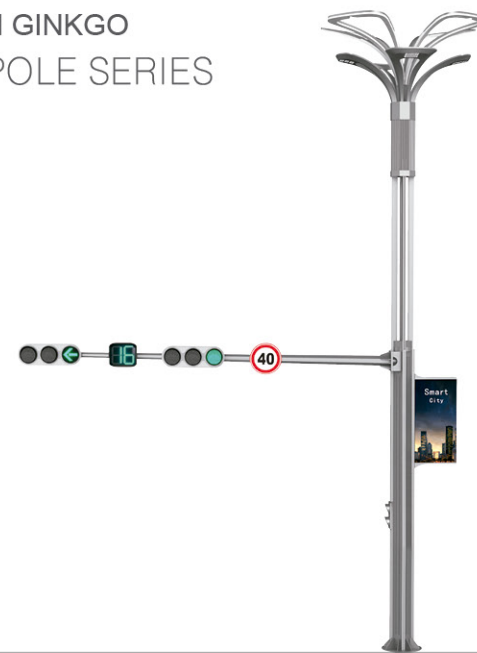


NEW LEAF (NORMAL/INTELLIGENT/SINGLE/DOUBLE ARM) LED STREET LIGHT

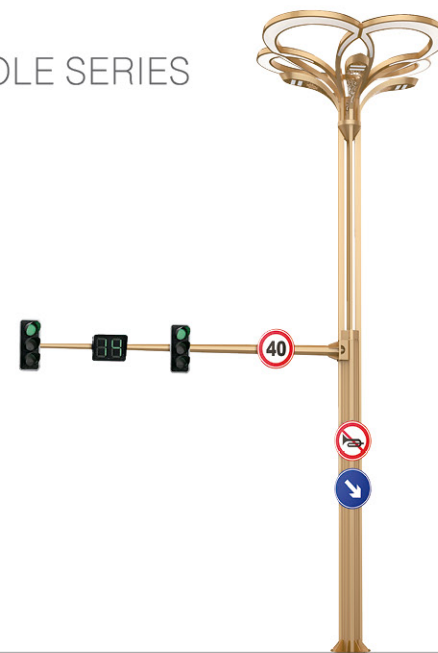




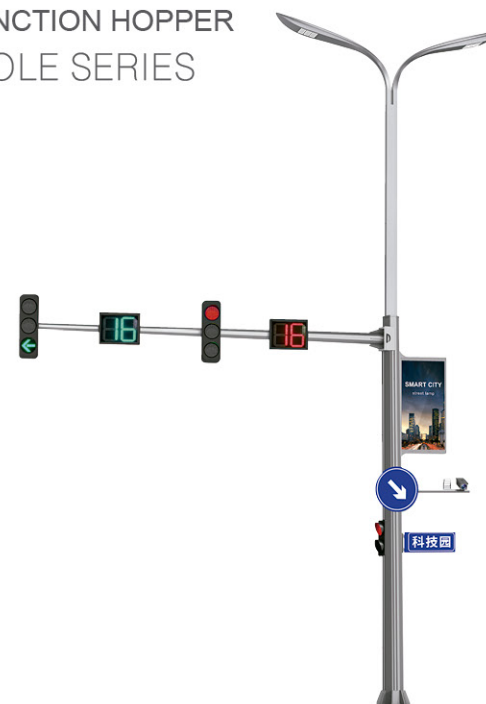
MODERN GINKGO
MULTIPOLE SERIES



LAURELS
MULTIPOLE SERIES



MULTI-FUNCTION HOPPER
MULTIPOLE SERIES



Product description

At present, there are many poles laid on the domestic roads, and the multifunctional combined pole is an excellent solution for saving social resources and optimising urban space.

Strengthen the city's fine management, to achieve multi-functional poles, based on road lighting poles, integrated public security monitoring poles, traffic signal poles, communication poles, traffic signage, etc. as a comprehensive pole. At the same time, according to the need to expand the WIF base station, video monitoring, advertising screen broadcasting, environmental monitoring, emergency call, charging pile and other applications.

WXH-110AG-G 4GCATI

INTELLIGENT LIGHTING MANAGEMENT SYSTEM

SINGLE LAMP CONTROLLER

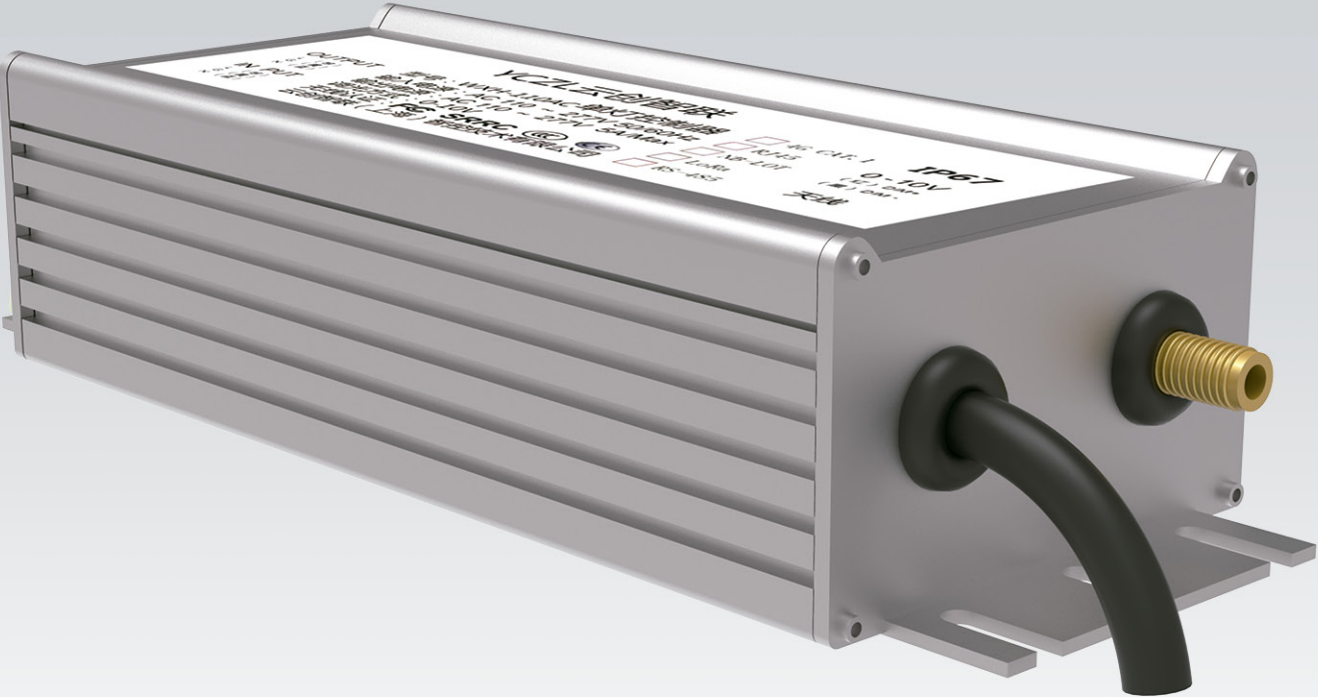
Product description

- WXH-110AC-G series dual-colour temperature single lamp controller is based on DC control technology to achieve dual output to the lamps and lanterns, which can achieve remote on/off, dimming control, colour temperature adjustment and other functions for LED lamps and lanterns to achieve intelligent control of lighting fixtures.

It can achieve remote switching, dimming control, colour temperature adjustment and other functions for LED lamps and lanterns, and realise intelligent control of lighting fixtures. The equipment has overload and short circuit protection and other comprehensive electronic protection measures. Rainproof and dustproof grade IP67, adapt to all kinds of harsh environments. The controllers all adopt industrial-grade chips, which can run freely in cold, high temperature and humid environment. With the characteristics of safety, energy saving, comfort and high efficiency, it is widely used in domestic and foreign markets.

-Main application scenes: street lighting, tunnel lighting, industrial lighting, park lighting, etc.

Specification	WXH-110AC-G	WXH-120AC-G(双路)
Appearance and structure	Device size:140mm*65mm*40mm Weight:0.55~0.65kg Shell: aluminium, internal potting sealing Dustproof and waterproof:IP67	
Equipment power supply	Input Voltage:110~285VAC Active Power Consumption<1W,Apparent Power Consumption<3W	
key function	Data monitoring: control lamps and lanterns input voltage, current, power, power factor and temperature. Data statistics: energy consumption statistics, work status Dimming output: single and double channel PWM or 0-10V dimming output Light pole tilt and vehicle sensing function (optional) Data communication: 4G CATI	
Fall	With load lamps and lanterns overcurrent, overload protection alarm function With load lamps and lanterns status monitoring alarm function	
remote control	Through the supporting WEB system software, you can read the monitoring parameters of the equipment. Manual remote control of lamps and lanterns switching and dimming. Can send and read the switching and dimming strategy, automatic operation according to the strategy Issue and read equipment parameters	
Firmware Upgrade	Remote firmware upgrade of the device is possible through the accompanying software	



WXH-110AG-N NB-IOT

INTELLIGENT LIGHTING MANAGEMENT SYSTEM

SINGLE LAMP CONTROLLER

Product description

- WXH-110AC-N series dual-colour temperature single-lamp controller is based on DC control technology to achieve dual output to the lamps and lanterns, which can achieve remote on/off, dimming control, colour temperature adjustment and other functions for LED lamps and lanterns to achieve intelligent control of lighting fixtures and lanterns.

It can achieve remote switching, dimming control, colour temperature adjustment and other functions for LED lamps to achieve intelligent control of lighting fixtures. The equipment has overload and short circuit protection and other comprehensive electronic protection measures. Rainproof and dustproof grade IP67, adapt to all kinds of harsh environments. The controllers all adopt industrial-grade chips, which can run freely in cold, high temperature and humid environment. With the characteristics of safety, energy saving, comfort and high efficiency, it is widely used in domestic and foreign markets.

-Main application scenes: street lighting, tunnel lighting, industrial lighting, park lighting, etc.

Specification	WXH-110AC-N	WXH-120AC-N
Appearance and structure	Device size:140mm*65mm*40mm Weight:0.55~0.65kg Shell: aluminium, internal potting sealing Dustproof and waterproof:IP67	
Equipment power supply	Input Voltage:110~285VAC Active Power Consumption<1W,Apparent Power Consumption<3W	
key function	Data monitoring: control lamps and lanterns input voltage, current, power, power factor and temperature. Data statistics: energy consumption statistics, work status Dimming output: single and double channel PWM or 0-10V dimming output Light pole tilt and vehicle sensing function (optional) Data communication: NO-IOT	
Fall	With load lamps and lanterns overcurrent, overload protection alarm function With load lamps and lanterns status monitoring alarm function	
remote control	Through the supporting WEB system software, you can read the monitoring parameters of the equipment. Manual remote control of lamps and lanterns switching and dimming. Can send and read the switching and dimming strategy, automatic operation according to the strategy Issue and read equipment parameters	
Firmware Upgrade	Remote firmware upgrade of the device is possible through the accompanying software	



WXH-110DC-R RS-485

INTELLIGENT LIGHTING MANAGEMENT SYSTEM

SINGLE LAMP CONTROLLER

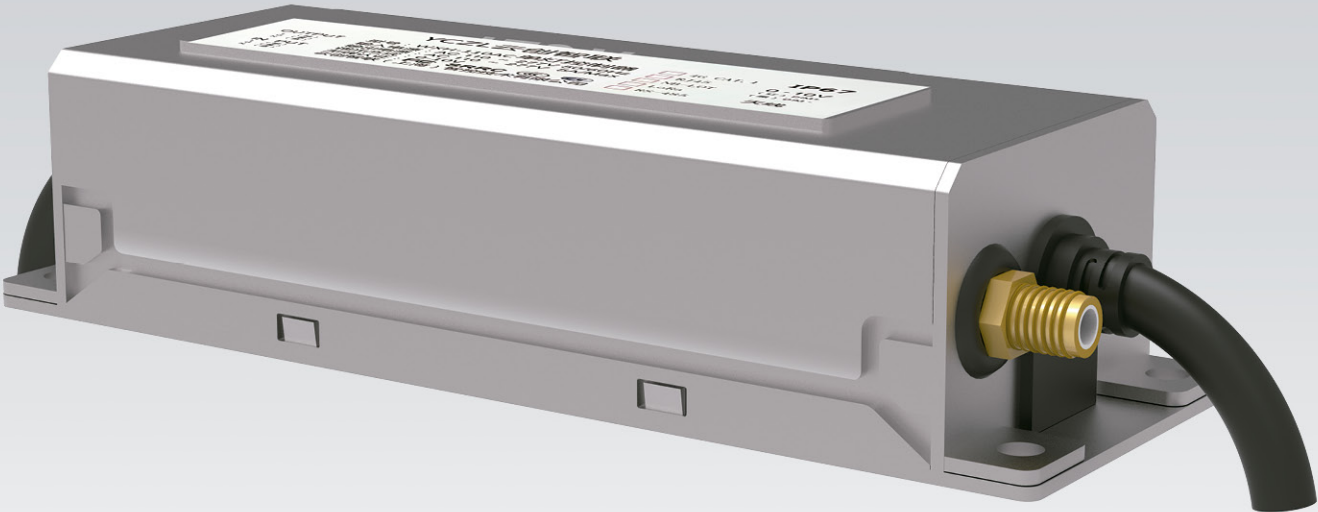
Product description

- WXH-110DC-R series dual-colour temperature single-lamp controller is based on DC control technology to achieve dual output to the lamps and lanterns, which can achieve remote on/off, dimming control, adjusting colour temperature and other functions for LED lamps and lanterns to achieve intelligent control of lighting fixtures.

It can achieve remote switching, dimming control, colour temperature adjustment and other functions for LED lamps to achieve intelligent control of lighting fixtures. The equipment has overload and short circuit protection and other comprehensive electronic protection measures. Rainproof and dustproof grade IP67, adapt to all kinds of harsh environments. The controllers all adopt industrial-grade chips, which can run freely in cold, high temperature and humid environments. With the characteristics of safety, energy saving, comfort and high efficiency, it is widely used in domestic and foreign markets.

-Main application scenes: street lighting, tunnel lighting, industrial lighting, park lighting, etc.

Specification	WXH-110DC-R	WXH-110DC-L(LORA/NB-IOT/4G CAT1)
Appearance and structure	Device size:110mm*65mm*35mm Weight:0.55~0.65kg Shell: aluminium, internal potting sealing Dustproof and waterproof:IP67	
Equipment power supply	Input Voltage:DC12V~85V Rated Power Consumption:Active Power Consumption<1W,Apparent Power Consumption<3W	
key function	Data monitoring: DC wide voltage measurement, high-precision current measurement Data statistics: can count the length of time the light is on. Control output: dual PWM 0%-100% DC output Dimming output: single PWM or 0-10V dimming output Data communication: integrated 485 bus LORA communication mode (need to use with centralised manager) NB-iot 4G CAT1	
Fall	With load lamps and lanterns overcurrent, overload protection alarm function With load lamps and lanterns status monitoring alarm function	
remote control	Through the supporting WEB system software, you can read the monitoring parameters of the equipment. Manual remote control of lamps and lanterns switching and dimming. Can send and read the switching and dimming strategy, automatic operation according to the strategy Issue and read equipment parameters	
Firmware Upgrade	Remote firmware upgrade of the device is possible through the accompanying software	



LORAWAN Centralised Manager WXHLR-GW

INTELLIGENT LIGHTING MANAGEMENT SYSTEM

SINGLE LAMP CONTROLLER

Product features

- Wired and wireless backup each other to ensure normal and stable data transmission.
- Multi-network online at the same time, support WiFi, 4G, network port access to interconnection
- Powerful WiFi function, support AP, STA, Repeater multiple modes of interface rich, can meet the different needs and applications of customers
- Rich interfaces to meet the different needs and applications of customers 4-way WAN port, 232 serial port, 485 serial port.
- Multiple wireless extensions, optional LoRaWAN, Zigbee.
- Multi-network intelligent switching backup, data out of network storage and retransmission
- Rich protocols, support transparent transmission, MODBUS, RTU to TCP, MQTT and so on.

Main parameters

- LoRa data transmission rate 300bps~5.4Kbps.
- Operating Frequency:CN433MHz-510MHz.
- EU863MHz-870MHz. US902MHz~928MHz.
- Maximum Transmit Power:25dBm;Receive Sensitivity:-143dBm
- Operating Temperature:-20°C-70°C



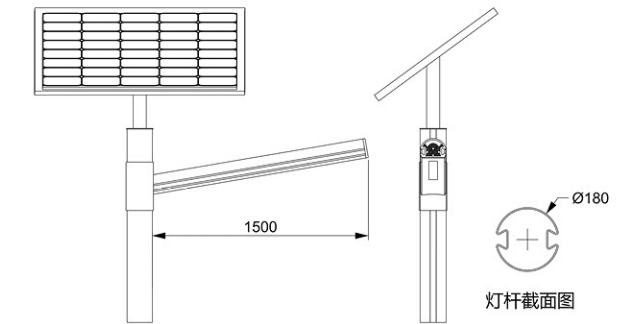


Product description

This lamp arm modelling rely on the lamp post round elements combined with water patterns, intermingled with each other, staggered, simple and clean contour lines, flashy but not extravagant, simple but extraordinary, with a dynamic sense of flow. Presenting a new era of urban modern lighting style, ingenious hollow design, making this lamp more design sense, showing the rhythm of modern aesthetics.

Parameters

-Height: 6~12 metres (optional)
 -Lamps: LED80W~200W
 -Ultra-high brightness 5050 four-core encapsulated light source, luminous efficacy of 180LM/W, integrated module lens, average life expectancy of more than 50,000 hours, light decay is less than 3%, the shell corrosion-resistant performance of a class.
 Solar panels: 6V/60 a 360W monocrystalline panels, conversion efficiency $\geq 25.8\%$, by the anti-aging EVA resin, weathering excellent TPT composite film laminate surface moulding, light transmittance $\geq 91\%$, service life ≥ 20 years.
 -Lithium battery pack (including control and protection): comes with EMS system 3.2V a 25.6V 60-300AH (ningde era lithium iron phosphate core), cycle more than 3,000 times, 2 a 5 rainy days, all year round light.



12M

10M

8M

6M

4M

2M

0M

A

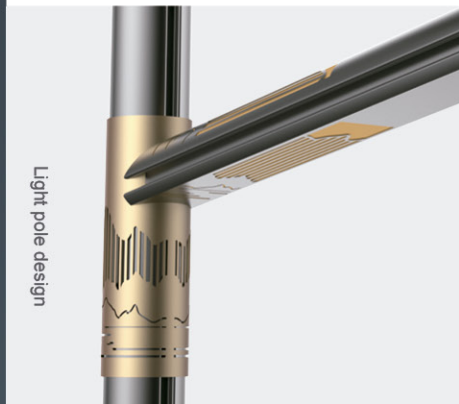
B

C



The Pi

Personalisation



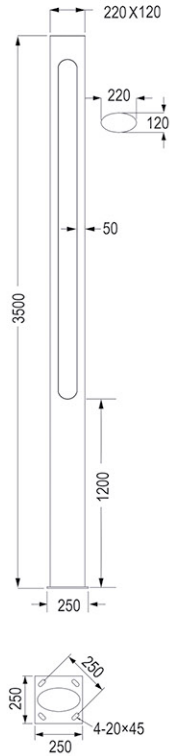
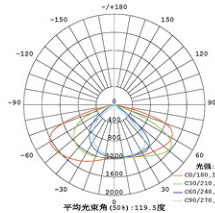
New countryside monitoring solar lights

The new rural surveillance system is of great significance and usefulness in enhancing security, promoting neighbourhood harmony, helping agricultural development, environmental protection, improving the efficiency of public security management, monitoring public facilities and environmental hygiene, preventing children and the elderly from getting lost, preventing drowning and recording rural life.



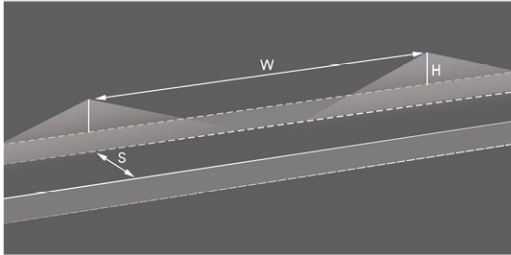


Application:motorways and expressways,urban roads,(internal)residential roads,pedestrian routes,car parks.
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime: > 80000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



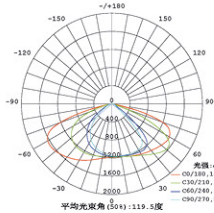
Product Name	ELLIPSES
Product Size (mm)	220 X 120 X 3500
Power	30W / 60W
Efficiency	120-160lm/W
Supply Voltage Range	100-277VAC
Driver	Mean well / Inventronic / Moso / Done
Led Chips	Philips / Cree / Osram
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
CRI	≥ 70Ra
SPD	5KV
Housing Material	Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	Module
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	5 Years
Net Weight	12 ± 0.5kgs(3.2m)

Lighting examples

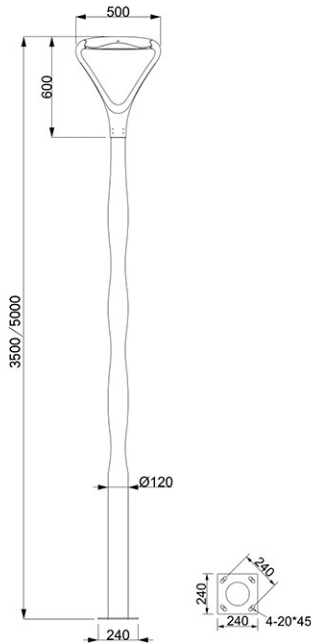


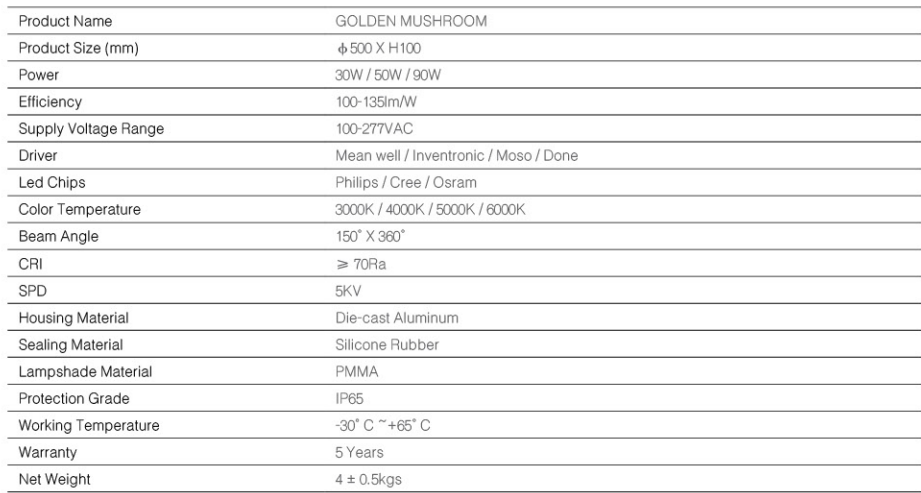
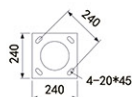
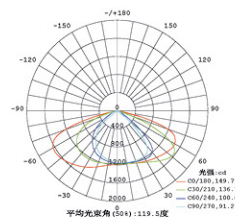
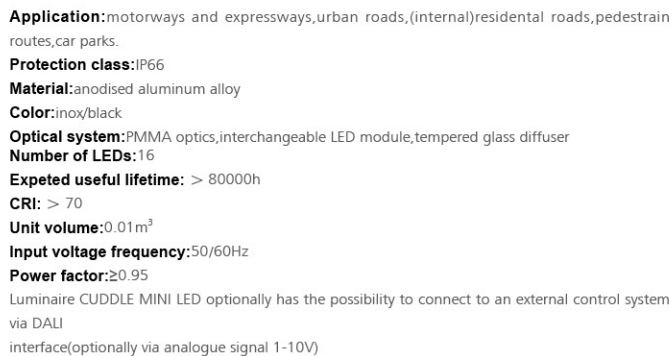
Parameters

H-luminaire mounting heigh:2.4m
W-lighting column spacing:18m
S-pavement width:5m

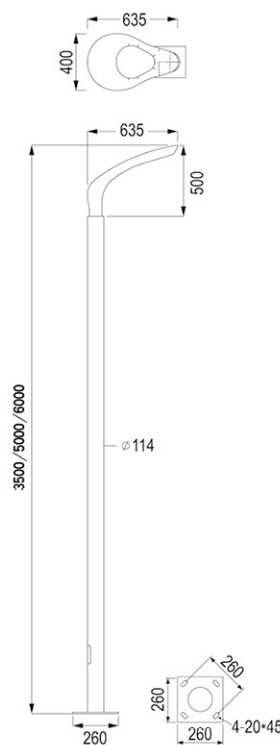
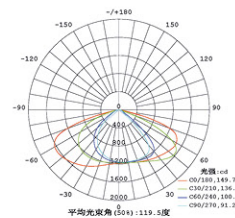


Product Name	ROMANCE
Product Size (mm)	φ500 X H600
Power	30W / 60W / 90W
Efficiency	100-135lm/W
Supply Voltage Range	100-277VAC
Driver	Mean well / Inventronic / Moso / Done
Led Chips	Philips / Cree / Osram
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
CRI	≥ 70Ra
SPD	5KV
Housing Material	Die-cast Aluminum + Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	PC
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	5 Years
Net Weight	6.5 ± 0.5kgs



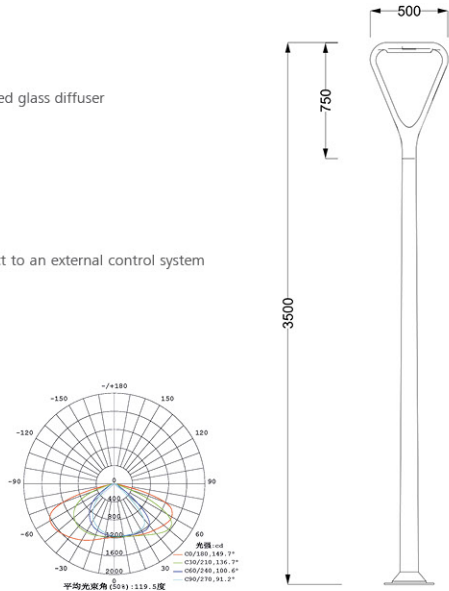


H-luminaire mounting height:2.4m
W-lighting column spacing:18m
S-pavement width:5m



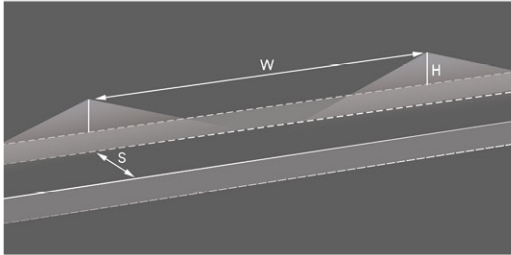


Application:motorways and expressways,urban roads,(internal)residential roads,pedestrian routes,car parks.
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime: > 80000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



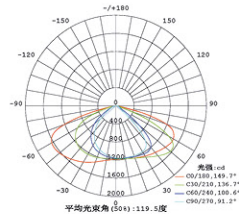
Product Name	NEW SPACE
Product Size (mm)	500 X 170 X 750
Power	30W / 60W
Efficiency	100-135lm/W
Supply Voltage Range	100-277VAC
Driver	Mean well / Inventronic / Moso / Done
Led Chips	Philips / Cree / Osram
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
CRI	≥ 70Ra
SPD	5KV
Housing Material	Die-cast Aluminum + Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	Tempered Glass
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Net Weight	4 ± 0.5kgs

Lighting examples

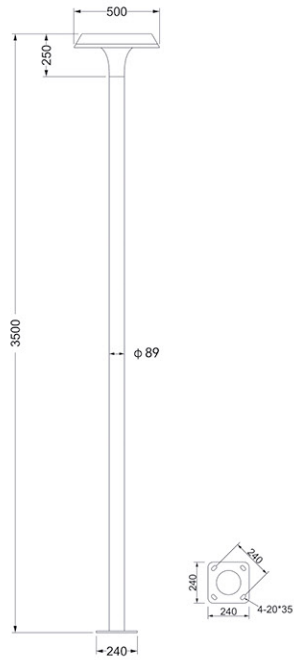


Parameters

H-luminaire mounting heigh:2.4m
W-lighting column spacing:18m
S-pavement width:5m

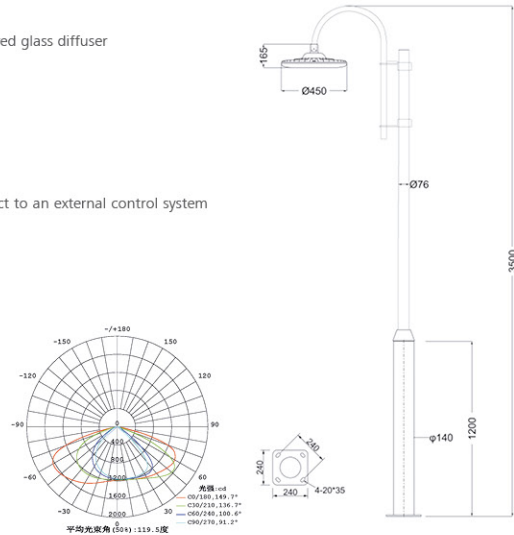


Product Name	FAIRY
Product Size (mm)	φ500 X H250
Power	30W / 60W / 90W
Efficiency	120-150lm/W
Supply Voltage Range	100-277VAC
Driver	Mean well / Inventronic / Moso / Done
Led Chips	Philips / Cree / Osram
Color Temperature	3000K / 4000K / 5000K
Beam Angle	150° X 360°
CRI	≥ 70Ra
SPD	5KV
Housing Material	Die-cast Aluminum + Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	PC
Protection Grade	IP65
Working Temperature	-25° C ~ +55° C
Warranty	5 Years



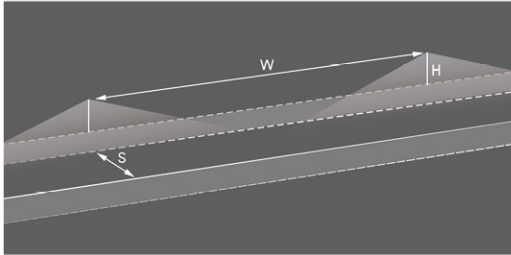


Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime: > 80000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



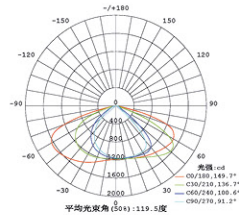
Product Name	UFO
Product Size (mm)	ϕ 450 X H165
Power	30W / 60W / 90W
Efficiency	100-135lm/W
Supply Voltage Range	100-277VAC
Driver	Mean well / Inventronic / Moso / Done
Led Chips	Philips / Cree / Osram
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
CRI	≥ 70Ra
SPD	5KV
Housing Material	Die-cast Aluminum
Sealing Material	Silicone Rubber
Lampshade Material	Tempered Glass
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	5 Years
Net Weight	4.8 ± 0.5kgs

Lighting examples

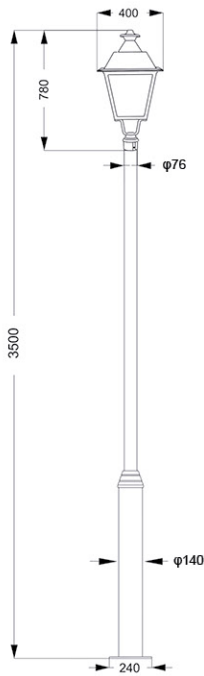


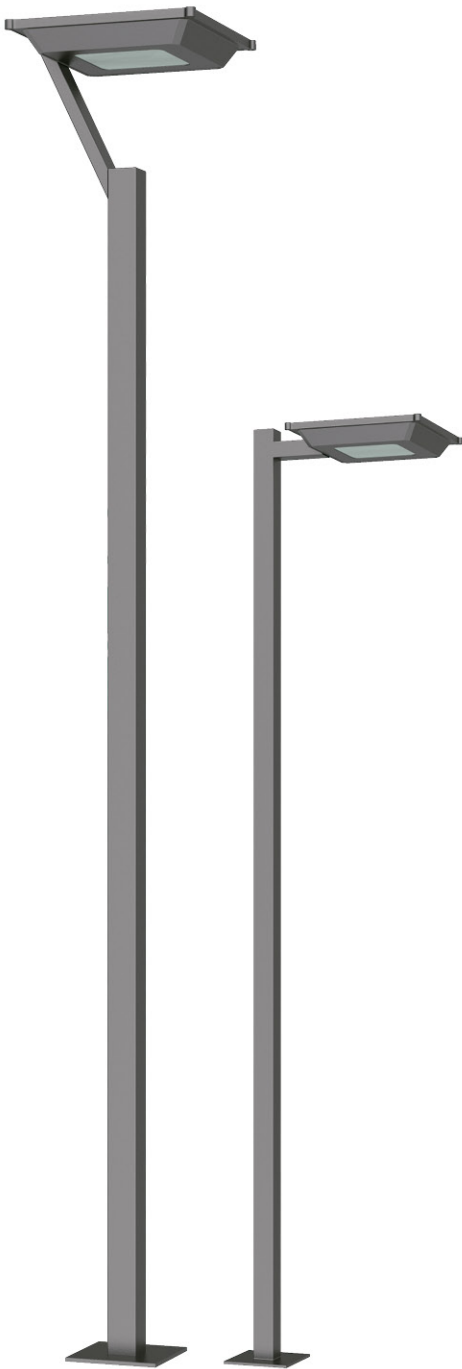
Parameters

H-luminaire mounting heigh:2.4m
W-lighting column spacing:18m
S-pavement width:5m

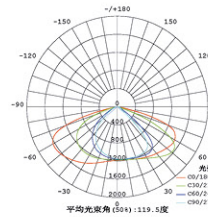


Product Name	LANTERN
Product Size (mm)	400 X 400 X 780
Power	30W / 60W / 90W
Efficiency	100-135lm/W
Supply Voltage Range	100-277VAC
Driver	Mean well / Inventronic / Moso / Done
Led Chips	Philips / Cree / Osram
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
CRI	≥ 70Ra
SPD	5KV
Housing Material	Die-cast Aluminum + Q235 Hot Dip Galvanized
Sealing Material	Silicone Rubber
Lampshade Material	Module / Tempered Glass
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	5 Years
Net Weight	5.5 ± 0.5kgs



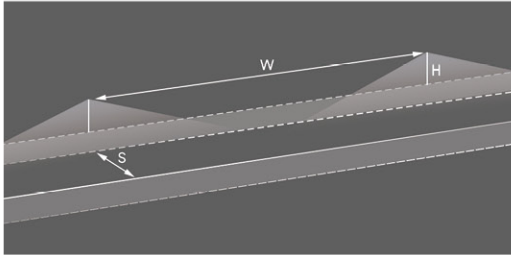


Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime: > 80000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



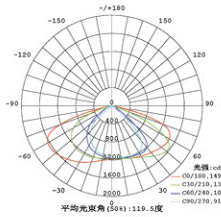
Product Name	JAZZ B/C
Product Size (mm)	A: 540 X 540 X 500 B: 540 X 540 X 60
Power	10-15W
Efficiency	100-160lm/W
Photovoltaic Panel	5VX45W
Lithium Battery	40AH
Lighting Time	6-10H
Rainy Days	3 Days
Led Chips	Phillips / Cree / Osram
CRI	≥ 70Ra
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
Housing Material	Die-cast Aluminum + Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	Tempered Glass
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	3 Years

Lighting examples

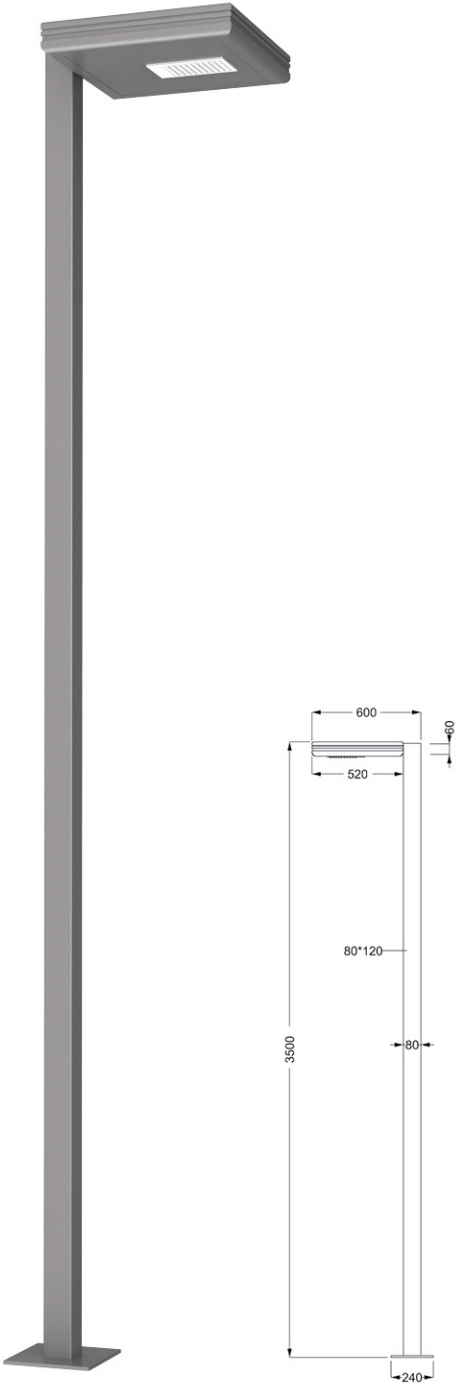


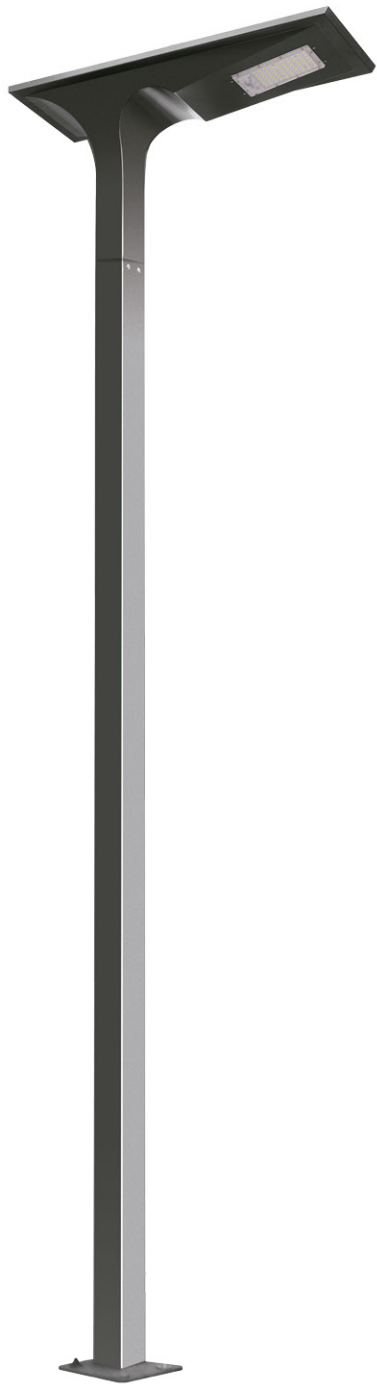
Parameters

H-luminaire mounting heigh:2.4m
W-lighting column spacing:18m
S-pavement width:5m

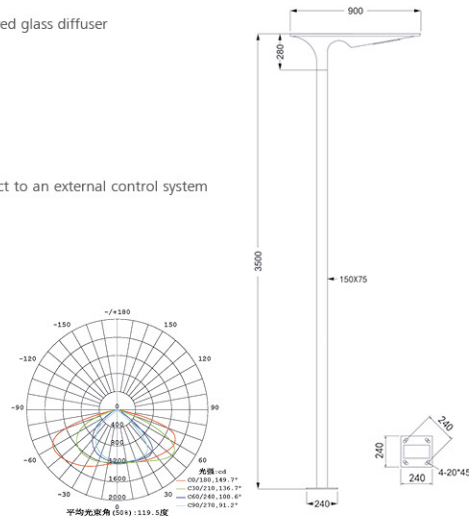


Product Name	GAVIN
Product Size (mm)	520 X 520 X 60
Power	10-15W
Efficiency	150-160lm/W
Photovoltaic Panel	5V X 40W
Lithium Battery	40AH
Lighting Time	6-10H
Rainy Days	3 Days
Led Chips	Phillips / Cree / Osram
CRI	≥ 70Ra
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
Housing Material	Die-cast Aluminum + Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	PC
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	3 Years



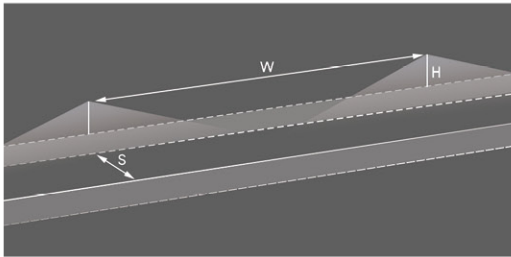


Application:motorways and expressways,urban roads,(internal)residential roads,pedestrian routes,car parks.
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime: > 80000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



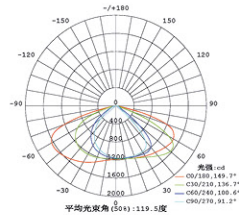
Product Name	WISE
Product Size (mm)	900 X 350 X 280
Power	15-20W
Efficiency	150-160lm/W
Photovoltaic Panel	5V X 60W
Lithium Battery	50AH
Lighting Time	6-10H
Rainy Days	3 Days
Led Chips	Philips / Cree / Osram
CRI	≥ 70Ra
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
Housing Material	Q235 Hot Dip Galvanized
Sealing Material	Silicone Rubber
Lampshade Material	PC
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	3 Years

Lighting examples

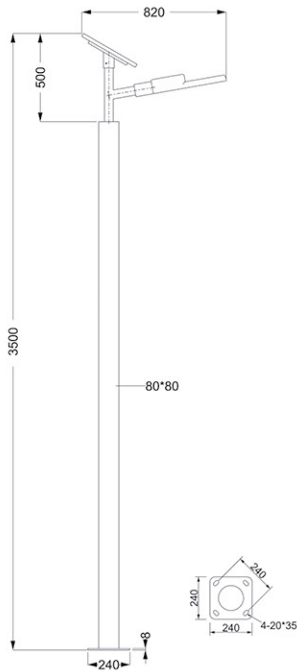
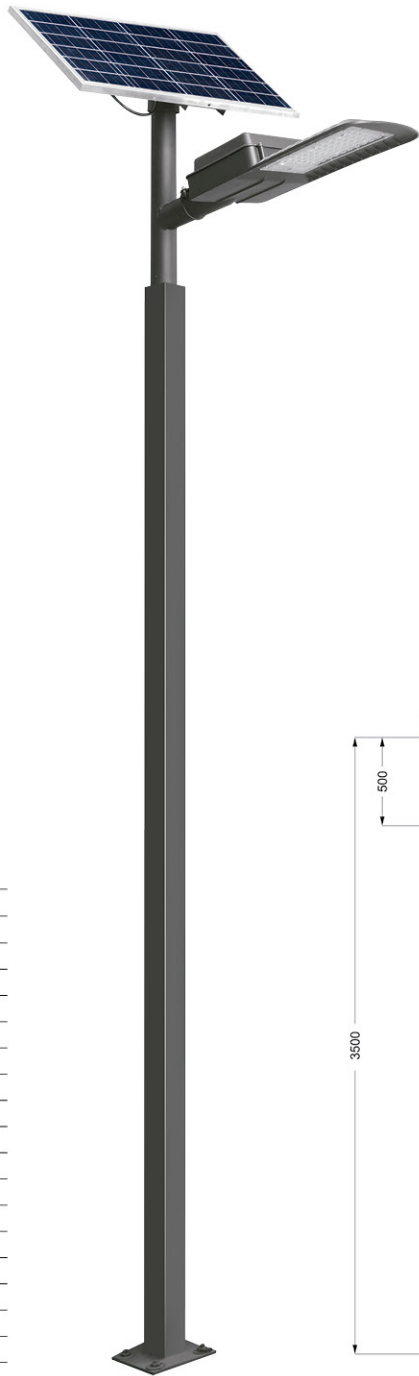


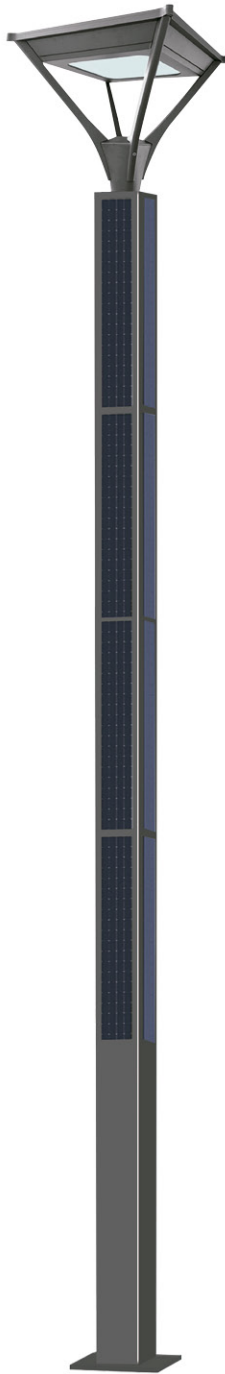
Parameters

H-luminaire mounting heigh:2.4m
W-lighting column spacing:18m
S-pavement width:5m

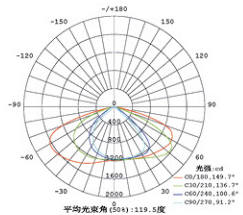


Product Name	STAR
Product Size (mm)	L820 X H500
Power	12W / 30W
Efficiency	150-160lm/W
Photovoltaic Panel	5V X 30W / 40W / 50W / 60W
Lithium Battery	30AH / 40AH / 50AH / 60AH
Lighting Time	6-10H
Rainy Days	3 Days
Led Chips	Philips / Cree / Osram
CRI	≥ 70Ra
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
Housing Material	Die-cast Aluminum + Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	PC
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	3 Years



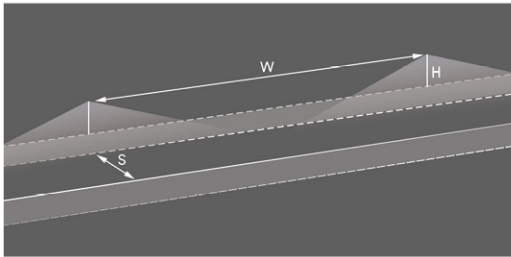


Application:motorways and expressways,urban roads,(internal)residential roads,pedestrian routes,car parks.
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime: > 80000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



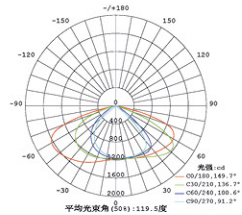
Product Name	JAZZ-A
Product Size (mm)	545 X 545 X 500
Power	15W-30W
Efficiency	135-160lm/W
Photovoltaic Panel	12V X 80W
Lithium Battery	80AH
Lighting Time	6-10H
Rainy Days	3 Days
Led Chips	Philips / Cree / Osram
CRI	≥ 70Ra
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
Housing Material	Die-cast Aluminum + Q235 Hot Dip Galvanized
Sealing Material	Silicone Rubber
Lampshade Material	Tempered Glass
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	3 Years

Lighting examples

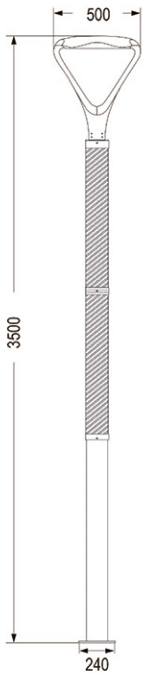


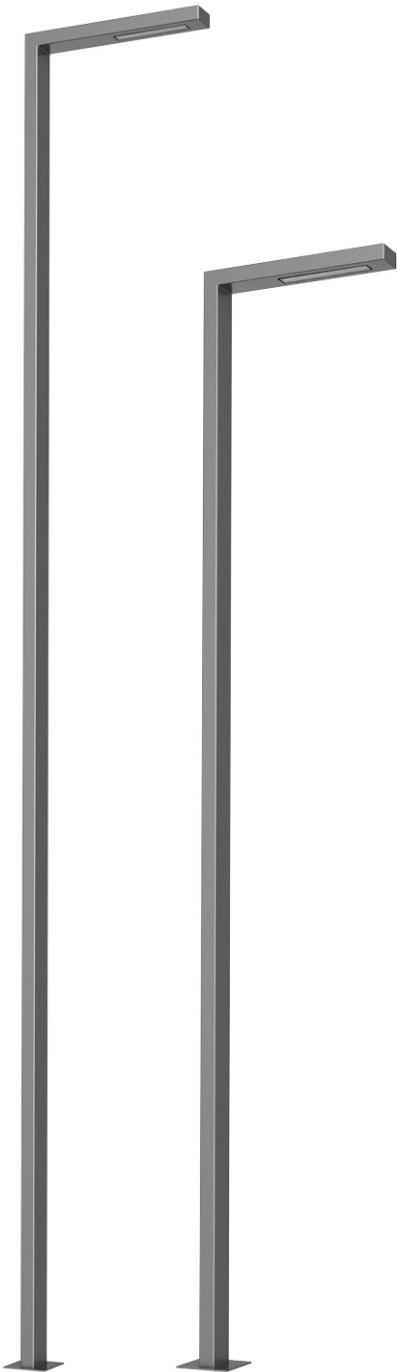
Parameters

H-luminaire mounting heigh:2.4m
W-lighting column spacing:18m
S-pavement width:5m

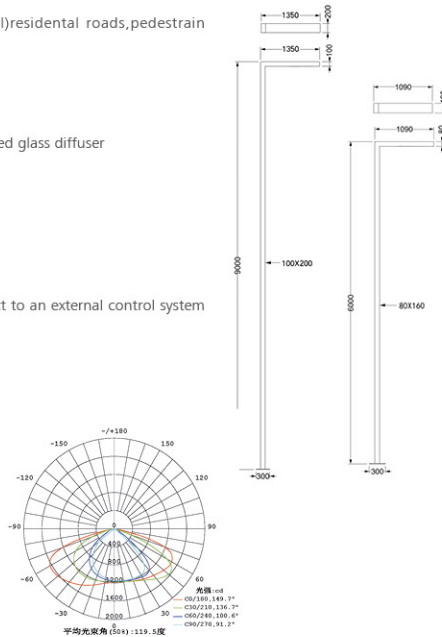


Product Name	ROMANCE
Product Size (mm)	φ500 X 3500
Power	15W-30W
Efficiency	100-160lm/W
Photovoltaic Panel	12V X 45W
Lithium Battery	40AH
Lighting Time	6-10H
Rainy Days	3 Days
Led Chips	Philips / Cree / Osram
CRI	≥ 70Ra
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
Housing Material	Die-cast Aluminum + Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	PC
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	3 Years

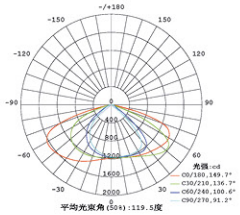
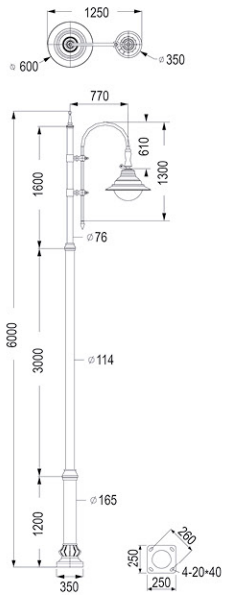




Application:motorways and expressways,urban roads,(internal)residential roads,pedestrain routes,car parks.
Protection class:IP66
Material:anodised aluminum alloy
Color:inox/black
Optical system:PMMA optics,interchangeable LED module,tempered glass diffuser
Number of LEDs:16
Expeted useful lifetime: > 80000h
CRI: > 70
Unit volume:0.01m³
Input voltage frequency:50/60Hz
Power factor:≥0.95
Luminaire CUDDLE MINI LED optionally has the possibility to connect to an external control system via DALI interface(optionally via analogue signal 1-10V)



Product Name	JANE
Product Size (mm)	A:1350 X 200 X 100 B:1090 X 80 X 160
Power	30W / 60W / 90W
Efficiency	100-135lm/W
Supply Voltage Range	100-277VAC
Driver	Mean well / Inventronic / Moso / Done
Led Chips	Philips / Cree / Osram
Color Temperature	3000K / 4000K / 5000K / 6000K
Beam Angle	150° X 360°
CRI	≥ 70Ra
SPD	10KV
Housing Material	Aluminum Profiles
Sealing Material	Silicone Rubber
Lampshade Material	Tempered Glass
Protection Grade	IP65
Working Temperature	-30° C ~ +65° C
Warranty	5 Years





We welcome you to visit our company and factory at any time.
Seriously.