



# DELTA LED Floodlight

Energy saving choice

2014/01



## DELTA LED Floodlight



### Excellent heat dissipation performance

The design of the wind holes on the heat sink allow more air flow through the heat sink, which strengthen the heat dissipation performance for guarantee durable a long time of the whole fixture.

### Science optical

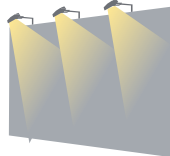
The reflector optical design is in addition to greater use of lighting and without glare.

### A variety of specifications

There are a variety of power, installation angle options.

**Applications :** Advertising lighting, general lighting, high-power lighting, decorative lighting

Advertising lighting



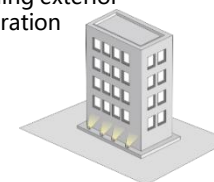
Toll stations



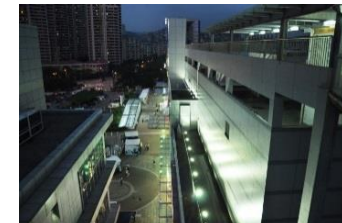
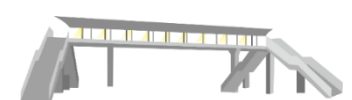
Playground



Building exterior decoration



Footbridge

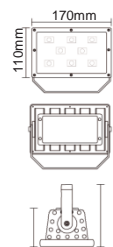


## Floodlight Specification

## 30W

**FL-3030**

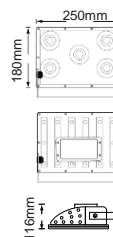
Power: 30W  
Luminous flux: 2550lm  
Luminous efficiency: 85 lm / w  
CCT: 5000K / 3000K  
CRI:  $\geq 65$   
Beam Angle: 40 °  
Power supply: Internal  
Input voltage: AC 100 ~ 240V, 50 / 60Hz  
Power factor:  $\geq 0.9$   
Shell: Aluminum  
Weight: 1.2kg  
Ambient temperature: -25 °C ~ +45 °C  
Life:  $\geq 40000$  hr  
Certification: CE, CQC, SAA



## 40W

**FL-3040**

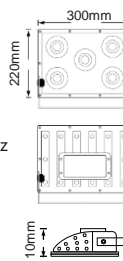
Power: 30W  
Luminous flux: 2550lm  
Lighting efficiency: 85 lm / w  
CCT: 5000K / 3000K  
CRI:  $\geq 65$   
Beam Angle: 40 °  
Power supply: Internal  
Input voltage: AC 100 ~ 240V, 50 / 60Hz  
Power factor:  $\geq 0.9$   
Shell: Aluminum  
Weight: 1.2kg  
Ambient temperature: -25 °C ~ +45 °C  
Life:  $\geq 40000$ hr  
Certification: CE, CQC, SAA



## 60W

**FL-3060**

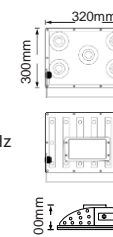
Power: 60W  
Flux: 5245 lm  
Luminous efficiency: 87lm / w  
CCT: 5000K / 3000K  
CRI:  $\geq 65$   
Beam Angle: 60 ° / 90 ° / 120 °  
Power supply: Internal  
Input voltage: AC 100 ~ 240V, 50 / 60Hz  
Power factor:  $\geq 0.9$   
Shell: Aluminum  
Weight: 2.53kg  
Ambient temperature: -25 °C ~ +45 °C  
Life:  $\geq 40000$  hr  
Certification: CE, SAA, C-tick, CQC



## 100W

**FL-3100**

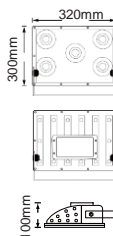
Power: 100W  
Luminous flux: 8872lm  
Luminous efficiency: 88lm / w  
CCT: 5000K / 3000K  
CRI:  $\geq 65$   
Beam angle :: 60 ° / 90 ° / 120 °  
Power supply: Internal  
Input voltage: AC 100 ~ 240V, 50 / 60Hz  
Power factor:  $\geq 0.9$   
Shell: Aluminum  
Weight: 5.6 kg  
Ambient temperature: -25 °C ~ +45 °C  
Life:  $\geq 40000$  hr  
Certification: SAA



## 130W

**FL-3130**

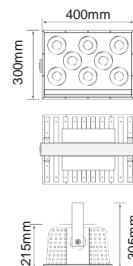
Power: 130W  
Flux: 12220lm  
Luminous efficiency: 94lm / w  
CCT: 5000K / 3000K  
CRI:  $\geq 65$   
Beam angle :: 60 ° / 90 ° / 120 °  
Power supply: Internal  
Input voltage: AC 100 ~ 240V, 50 / 60Hz  
Power factor:  $\geq 0.9$   
Shell: Aluminum  
Weight: 5.6kg  
Ambient temperature: -25 °C ~ +45 °C  
Life:  $\geq 40000$  hr  
Certification: SAA



## 250W

**FL-3250**

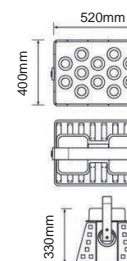
Power: 250W  
Flux: 19301 lm  
Luminous efficiency: 77lm / w  
CCT: 5000K / 3000K  
CRI:  $\geq 65$   
Beam Angle: 45 ° / 90 °  
Power supply: Internal  
Input voltage: AC 100 ~ 240V, 50 / 60Hz  
Power factor:  $\geq 0.9$   
Shell: Aluminum  
Weight: 9.13kg  
Ambient temperature: -25 °C ~ +45 °C  
Life:  $\geq 40000$  hr  
Certification: CQC, CE, SAA, C-tick



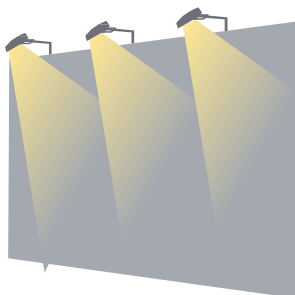
## 520W

**FL-3520**

Power: 520W  
Flux: 46127 lm  
Luminous efficiency: 89lm / w  
CCT: 5000K / 3000K  
CRI:  $\geq 65$   
Beam Angle: 45 ° / 70 °  
Power supply: Internal  
Input voltage: AC 100 ~ 240V, 50 / 60Hz  
Power factor:  $\geq 0.9$   
Shell: Aluminum  
Weight: 23kg  
Ambient temperature: -25 °C ~ +45 °C  
Life:  $\geq 40000$  小时



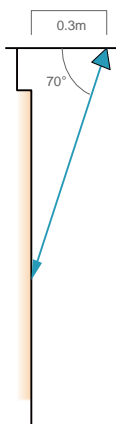




Design Example : Small billboards

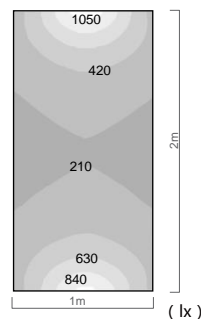
Standard illumination : 500lx

Vertical section



70W HID Floodlight

Ground illumination distribution



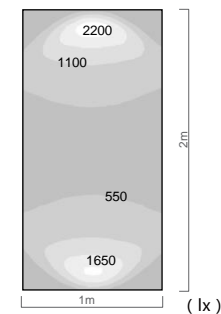
Lamp	Tradition Lamp
Source	HID Source
Luminous flux ( lm )	4900
Life ( hr )	8000
Extended length ( m )	0.5
Average illuminance ( lx )	371
Total power ( W )	175

※Traditional lamp light power is about 80% of the total power consumption  
 ※Luminous flux of about 50% of light flux



LED Floodlight 40W  
FL-3040

Ground illumination distribution



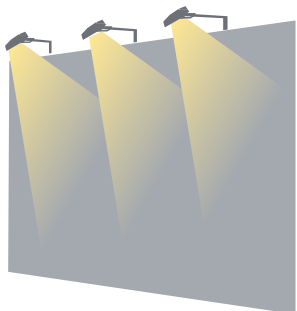
Lamp	FL-3040
Source	LED
Luminous flux ( lm )	3600
Life ( hr )	40000
Extended length ( m )	0.5
Average illuminance ( lx )	752
Total power ( W )	80

Upgrade  
brightness

saving  
about  
54%

An  
equal  
numbe  
r of  
units

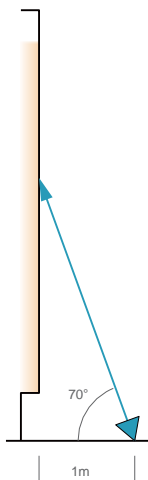
5 times  
the life



## Design Example : Large billboards

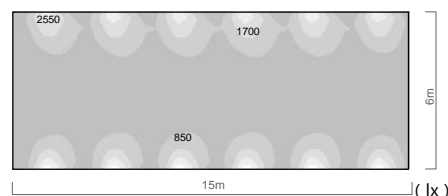
Standard illumination : 500lx

### Vertical section



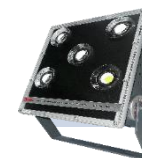
250W HID Floodlight

### Ground illumination distribution



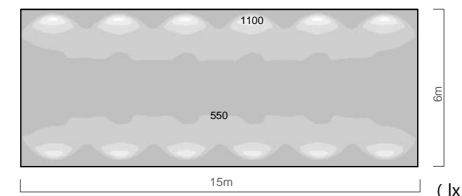
Lamp	Tradition Lamp
Source	HID Source
Luminous flux ( lm )	17500
Life ( hr )	8000
Extended length ( m )	1
Average illuminance ( lx )	584
Total power ( W )	3750

※Traditional lamp light power is about 80% of the total power consumption  
 ※Luminous flux of about 50% of light flux



LED Floodlight 100W  
FL-3100

### Ground illumination distribution



Lamp	FL-3100
Source	LED
Luminous flux ( lm )	8872
Life ( hr )	40000
Extended length ( m )	1
Average illuminance ( lx )	562
Total power ( W )	1200

same  
brightness

saving  
about  
68%

An  
equal  
number  
of units

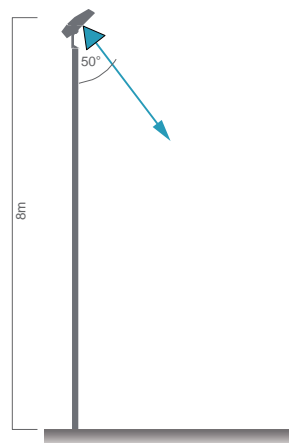
5 times  
the life



## Design Example : Toll stations

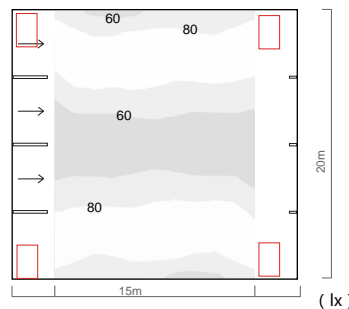
Standard illumination : 50lx

### Vertical section



500W HPS Streetlights

### Ground illumination distribution



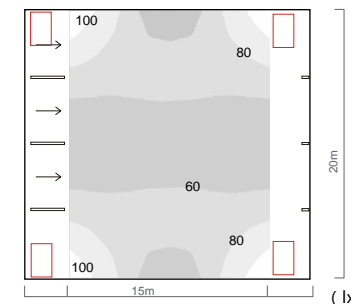
Lamp	Tradition Lamp
Source	HPS Source
Luminous flux ( lm )	34000
Life ( hr )	8000
Mounting height ( m )	8
Average illuminance ( lx )	70
Total power ( W )	2500

※Traditional lamp light power is about 80% of the total power consumption  
 ※Luminous flux of about 50% of light flux



LED Floodlight 250W  
FL-3250

### Ground illumination distribution



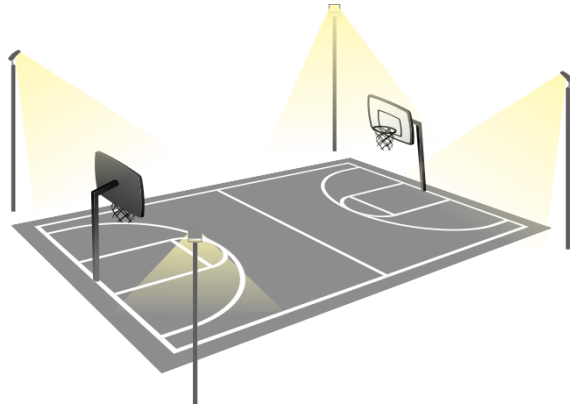
Lamp	FL-3250
Source	LED
Luminous flux ( lm )	19301
Life ( hr )	40000
Mounting height ( m )	8
Average illuminance ( lx )	68
Total power ( W )	1000

same  
brightness

saving  
about  
60%

An  
equal  
number  
of units

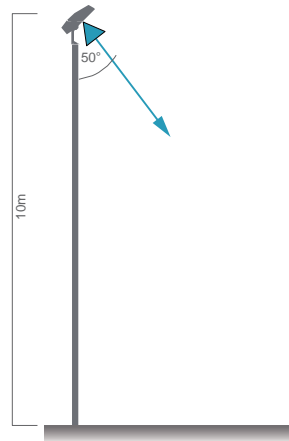
5 times  
the life



## Design Example : Playground

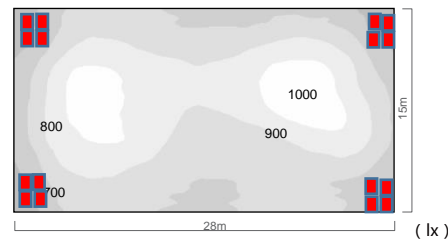
Standard illumination : 500lx

### Vertical section



1000W HID Floodlight

### Ground illumination distribution



Lamp	Tradition Lamp
Source	HID Source
Luminous flux ( lm )	80000
Life ( hr )	8000
Mounting height ( m )	10
Average illuminance ( lx )	773
Total power ( W )	20000

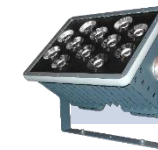
※Traditional lamp light power is about 80% of the total power consumption  
 ※Luminous flux of about 50% of light flux

Upgrade  
brightness

Saving  
about  
58%

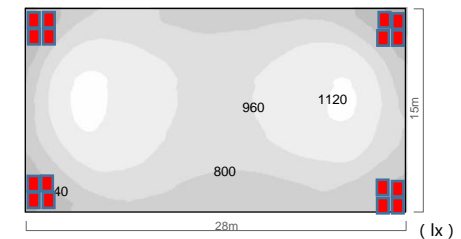
An equal  
number  
of units

5 times  
the life



LED Floodlight 520W  
FL-3520

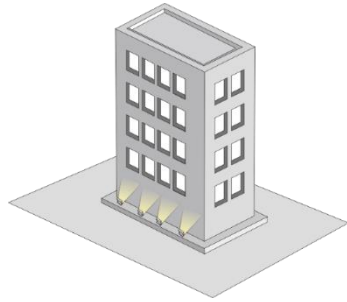
### Ground illumination distribution



Lamp	FL-3520
Source	LED
Luminous flux ( lm )	46127
Life ( hr )	40000
Mounting height ( m )	10
Average illuminance ( lx )	827
Total power ( W )	8320



## Design Example : Building exterior decoration



## Design Example : Footbridge

