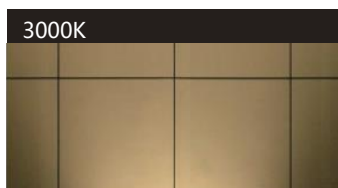
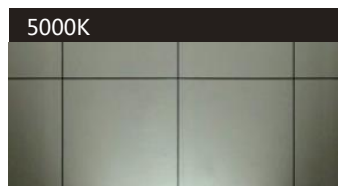


LED FLOOD LIGHT

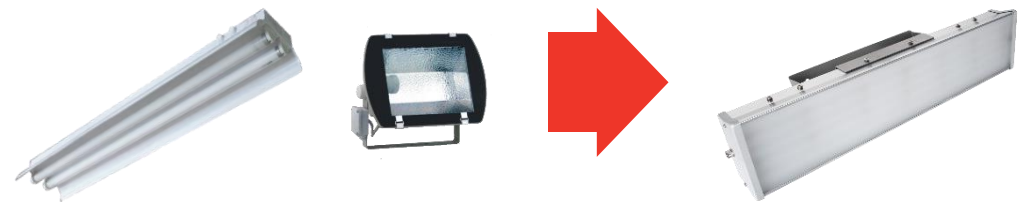
2013/9



SONARAY

**Two color temperature effect****Product Description :**

SONARAY flood light is a durable and energy-efficient LED lamps. It gives out a balanced and profound light distribution which protrudes brightness to the whole area . It is ideal to replace conventional light tube fixtures , as well as various low bay or flood light.

**Product Features :**

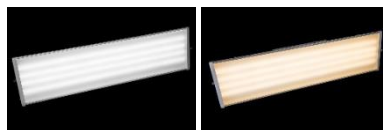
- High system luminous efficiency lighting , beneficial to replace traditional floodlights
- Professional anti-glare design , soft and comfortable light
- Variety of installation methods , easy to use on different occasions
- Low lumen depreciation , Life up to 60,000 hours

Applications :

- Industry : Logistics warehouse、 Factory floor
- Municipal transport : Tunnel、 Walkways
- Commercial : Indoor parking, warehouse-style supermarket

Flood light Specification

40W



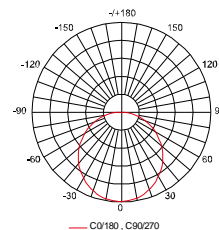
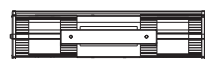
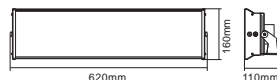
5000K

3000K

FL-1060E1-40

Specification

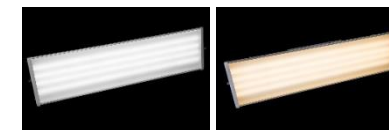
Shell : Aluminum
Front cover : PC
Stand : Aluminum
Wire : Insulating rubber
Mounting angle : Unlimited
Operating Temperature : -20°C—+40°C
Weight : 3.9kg



Flux	Power	Luminous efficiency
3400lm	40W	85lm/w
Color temperature	Input Voltage	
5000K/3000K	AC 220V-240V,50/60Hz	
Light angle	Average lifespan	CRI (Ra)
110°	60000hr	80

H(m)	E(lx)	D(cm)
1	1175	293
2	294	586
3	131	880
4	73	1173
5	47	1465

30W



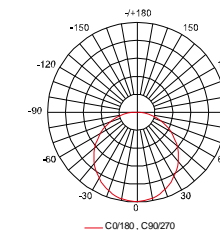
5000K

3000K

FL-1060E1-30

Specification

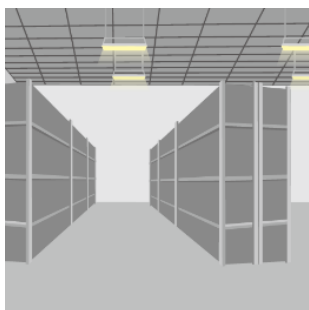
Shell : Aluminum
Front cover : PC
Stand : Aluminum
Wire : Insulating rubber
Mounting angle : Unlimited
Operating Temperature : -20°C—+40°C
Weight : 3.9kg



Flux	Power	Luminous efficiency
2700lm	30W	90lm/w
Color temperature	Input Voltage	
5000K/3000K	AC 220V-240V,50/60Hz	
Light angle	Average lifespan	CRI (Ra)
110°	60000hr	80

H(m)	E(lx)	D(cm)
1	903	293
2	226	586
3	100	880
4	56	1173
5	36	1465

Main application areas



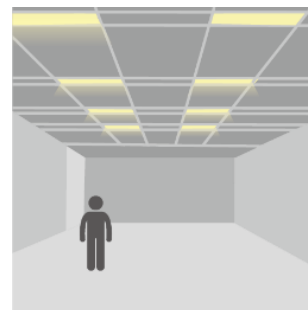
Logistics warehouse



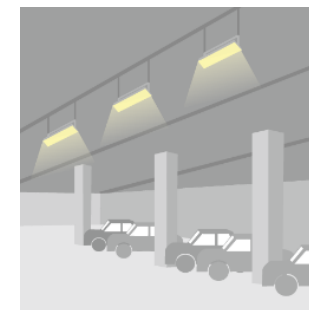
Low shed workshop



Tunnel



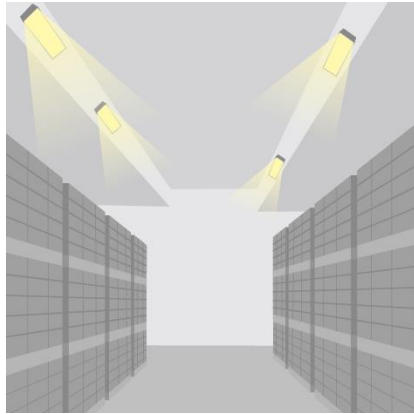
Walkways



Indoor parking



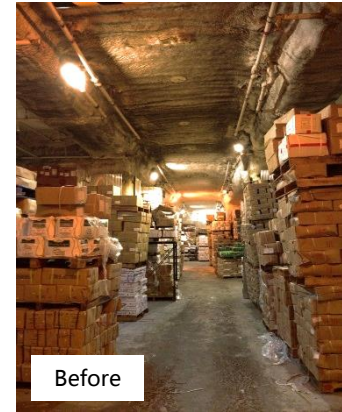
Warehouse-style supermarket



Success Stories

Logistics Center—
-25°C Cold storage

Kerry Logistics



Before

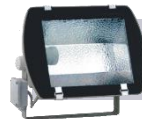
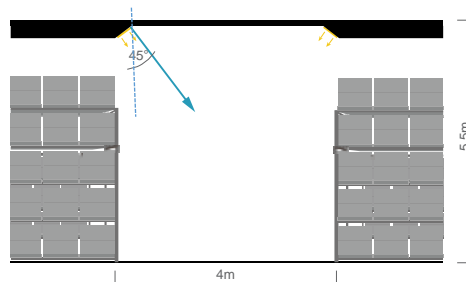


Now

Successful examples : Logistics warehouse(5.5m)

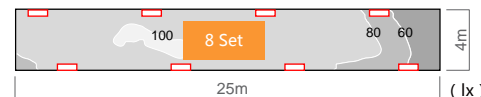
Standard illumination : 85lx

Vertical section



Tradition Flood light
150W

Isolux diagram Face



lamp	Traditional lamp
Light source	HPS
Initial Flux (lm)	18000
Life (hr)	8000
Mounting height (m)	5.5
Average illuminance (lx)	87
Total power (W)	1500

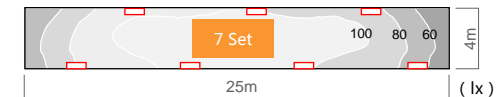
※Traditional lamp light power is about 80% of the total power consumption
※Luminous flux of about 50% of light flux



LED 40W Flood light
FL-1060E1-40

Upgrade
brightness

Isolux diagram Face

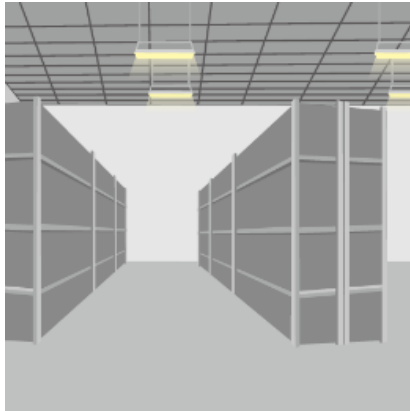


Energy
saving
about
81
%

Reduce
one pcs of
fixture

7 times
longer of
lifetime

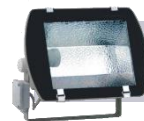
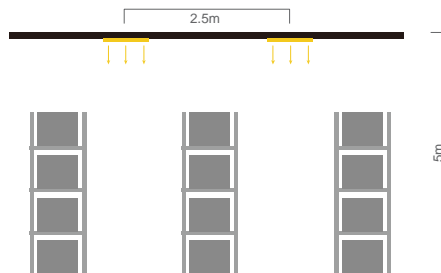
lamp	FL-1060E1-40
Light source	LED
Initial Flux (lm)	3400
Life (hr)	60000
Mounting height (m)	5.5
Average illuminance (lx)	92
Total power (W)	280



Design Example : Logistics warehouse (5m)

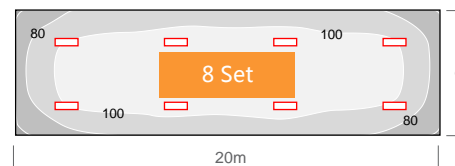
Standard illumination : 100lx

Vertical section



Tradition Flood light
70W

Isolux diagram Face



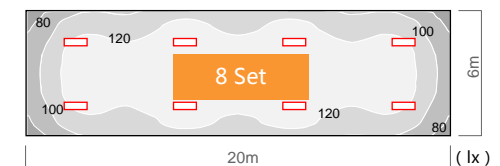
lamp	Traditional lamp
Light source	HID
Initial Flux (lm)	4900
Life (hr)	8000
Mounting height (m)	5
Average illuminance (lx)	100
Total power (W)	700

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



LED 30W Flood light
FL-1060E1-30

Isolux diagram Face



lamp	FL-1060E1-30
Light source	LED
Initial Flux (lm)	2700
Life (hr)	60000
Mounting height (m)	5
Average illuminance (lx)	120
Total power (W)	240

Upgrade
brightness

Energy
saving
about 65
%

An equal
number of
units

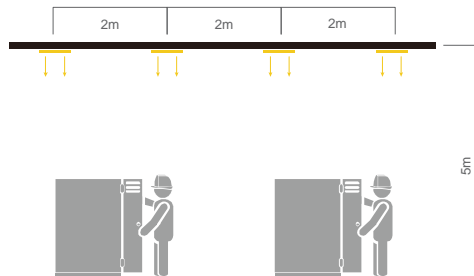
7 times
longer of
lifetime



Design Example : Low shed workshop (5m)

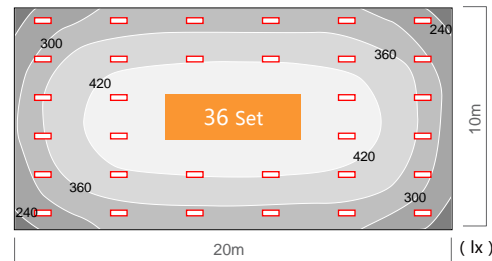
设计照度 : 300lx

Vertical section



Tradition Lamp
2×40W (1.2m)

Isolux diagram Face



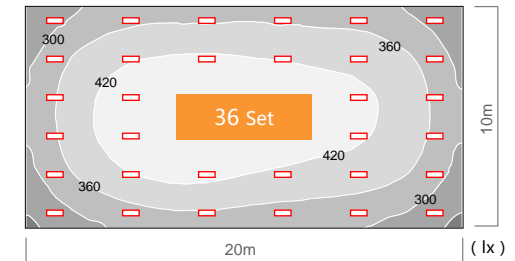
lamp	Medallions
Light source	Fluorescent tubes
Initial Flux (lm)	7200
Life (hr)	8000
Mounting height (m)	5
Average illuminance (lx)	376
Total power (W)	3600

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



LED 40W Flood light
FL-1060E1-30

Isolux diagram Face



lamp	FL-1060E1-30
Light source	LED
Initial Flux (lm)	2700
Life (hr)	60000
Mounting height (m)	5
Average illuminance (lx)	320
Total power (W)	1080

Upgrade
brightness

Energy
saving
about
70%

An equal
number of
units

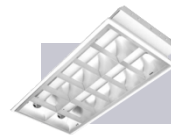
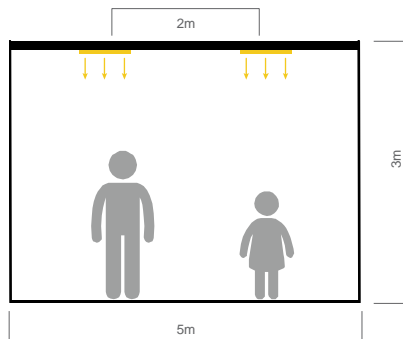
7 times
longer of
lifetime



Design Example : Walkways (3m)

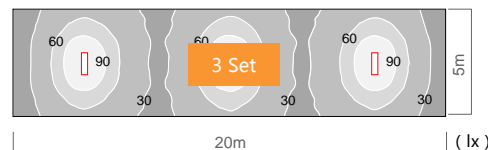
Standard illumination : 50lx

Vertical section



Tradition Lamp
2×40W (1.2m)

Isolux diagram Face



lamp	Medallions
Light source	Fluorescent tubes
Initial Flux (lm)	4800
Life (hr)	8000
Mounting height (m)	3
Average illuminance (lx)	53
Total power (W)	300

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

Upgrade
brightness

Energy
saving
about 60
%

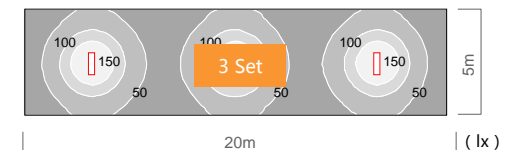
An equal
number of
units

7 times
longer of
lifetime

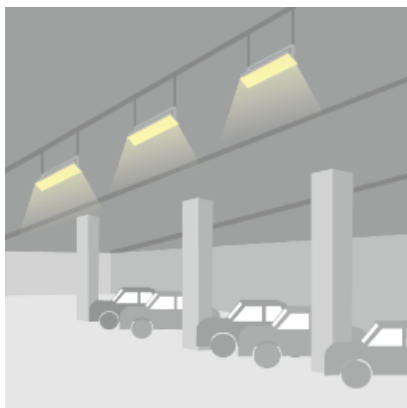


LED 40W Flood light
FL-1060E1-40

Isolux diagram Face



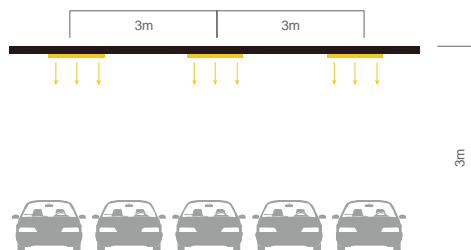
lamp	FL-1060E1-40
Light source	LED
Initial Flux (lm)	3400
Life (hr)	60000
Mounting height (m)	3
Average illuminance (lx)	74
Total power (W)	120



Design Example : Indoor parking (3m)

Standard illumination : 75lx

Vertical section



Tradition Lamp
2×60W (1.5m)

Isolux diagram Face



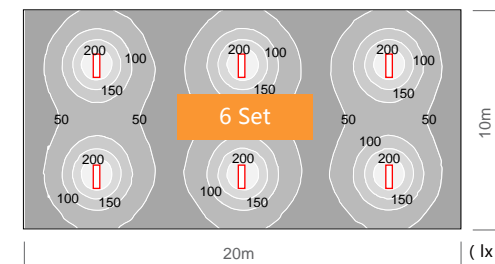
lamp	Medallions
Light source	Fluorescent tubes
Initial Flux (lm)	4800
Life (hr)	8000
Mounting height (m)	3
Average illuminance (lx)	61
Total power (W)	900

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



LED 40W Flood light
FL-1060E1-40

Isolux diagram Face



lamp	FL-1060E1-40
Light source	LED
Initial Flux (lm)	3400
Life (hr)	60000
Mounting height (m)	3
Average illuminance (lx)	81
Total power (W)	240

Upgrade
brightness

Energy
saving
about 73
%

An equal
number of
units

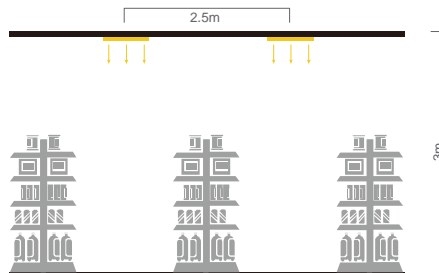
7 times
longer of
lifetime



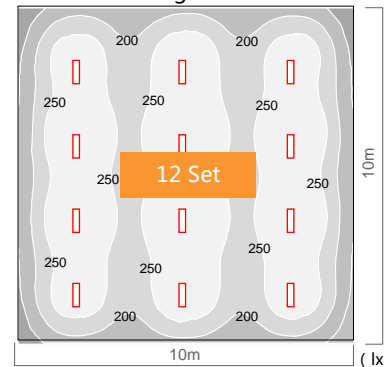
Design Example : Warehouse-style supermarket (3m)

Standard illumination : 300lx

Vertical section



Isolux diagram Face

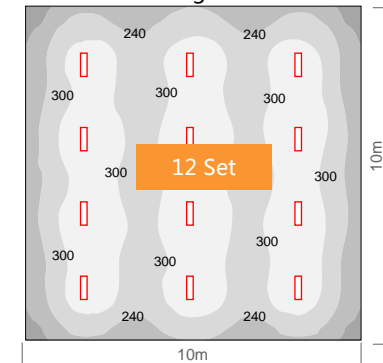


lamp	Medallions
Light source	Fluorescent tubes
Initial Flux (lm)	4800
Life (hr)	8000
Mounting height (m)	3
Average illuminance (lx)	242
Total power (W)	1200

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



Isolux diagram Face



lamp	FL-1060E1-40
Light source	LED
Initial Flux (lm)	3400
Life (hr)	60000
Mounting height (m)	3
Average illuminance (lx)	301
Total power (W)	480

Upgrade
brightness

Energy
saving
about 60
%

An equal
number of
units

6 times
longer of
lifetime