



CosmicLite
Professional LED Lighting

LED Flood Light Series

160LM/W

Shenzhen CosmicLite Technology Co., Ltd

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Parameter

WATTAGE	60/100/120/180/200/240 300/360/400/600W
LIGHT SOURCE	LUMILEDS
LED QUANTITY	48LEDS EACH MODULE 24LEDS EACH MODULE
DRIVER	MEANWELL
LAMP LUMINOUS FLUX	160LM/W±5%(60°/90°/120°) 150LM/W±5%(10°/30°)
CRI	Ra>70
CCT	2700-6500K
RATED VOLTAGE	AC 90-305V, 50/60Hz
POWER FACTOR	>0.95
BEAM ANGLE	10°/30°/60°/90°/120°
IP GRADE	IP65
HEAT-SINK	ALUMINIUM COOLING FIN
OPERATING TEMP	-40°C~60°C



60W
9,600LM
2.4kg±5%
24PCS LED
291×102×266mm

100W
16,000LM
2.9kg±5%
48PCS LED
291×102×266mm



120W
19,200LM
3.8kg±5%
48PCS LED
291×219×334mm

200W
32,000LM
4.2kg±5%
96PCS LED
291×219×334mm



180W
28,800LM
4.7kg±5%
72PCS LED
291×340×324mm

300W
48,000LM
5.6kg±5%
144PCS LED
291×340×324mm



240W
38,400LM
5.9kg±5%
96PCS LED
485×219×334mm

400W
64,000LM
7.4kg±5%
192PCS LED
485×219×334mm

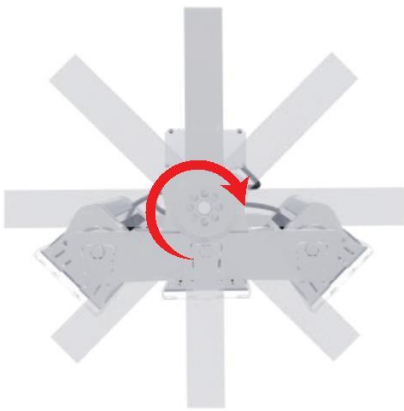
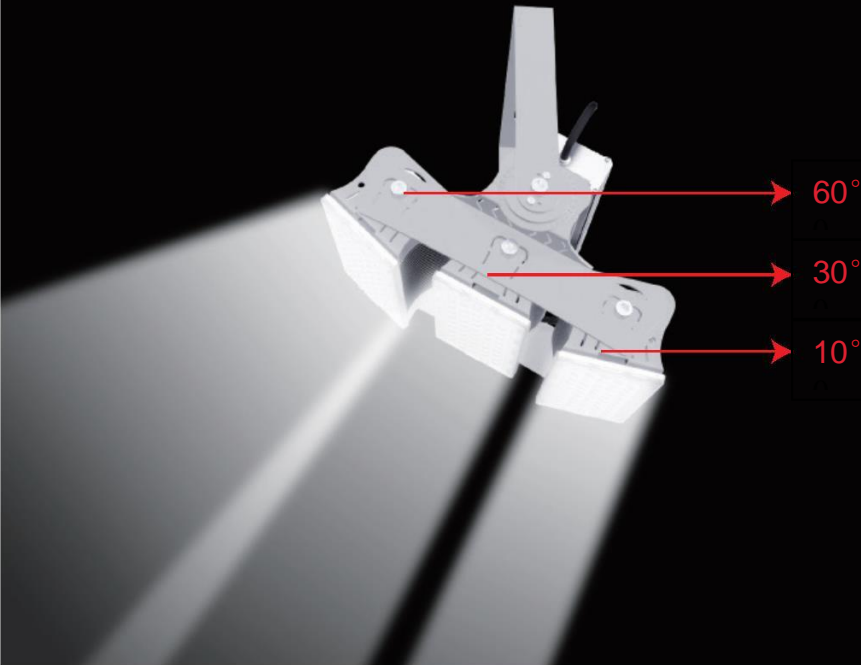


360W
57,600LM
8.6kg±5%
144PCS LED
485×340×324mm

600W
96,000LM
10.3kg±5%
288PCS LED
485×340×324mm

Professional Light Distribution

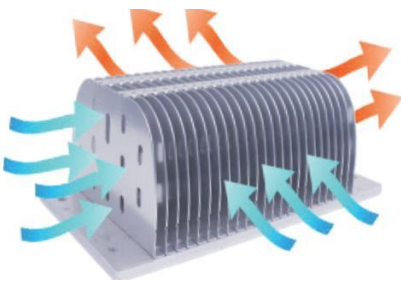
Multiple optical lens choices are available with angles including 10°/30°/60°/90°/120° to meet the requirements for professional light distribution and an extensive scope of applications.



Arc bracket rotatable 360°



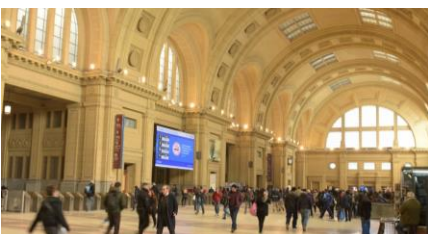
Module rotatable 90°



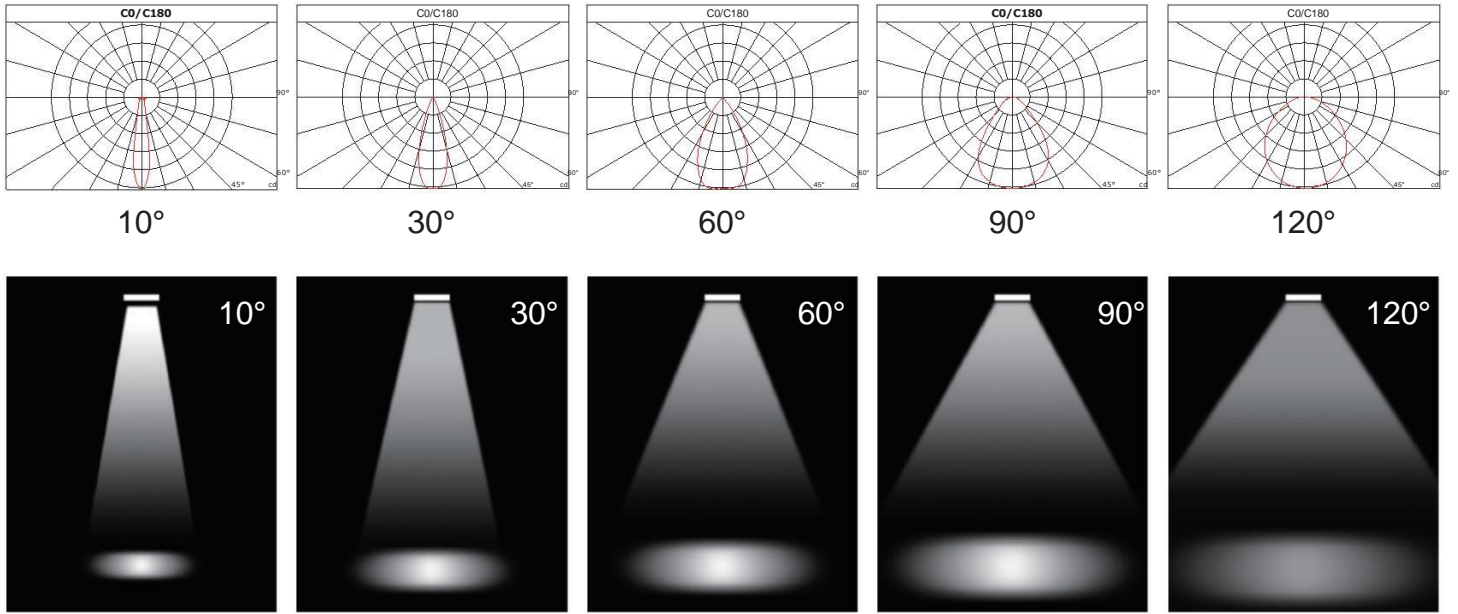
- Ultra Lightweight
- Highly Efficient Heat Dissipation
- Multiway Air Flow+ Aluminum Cooling Fin



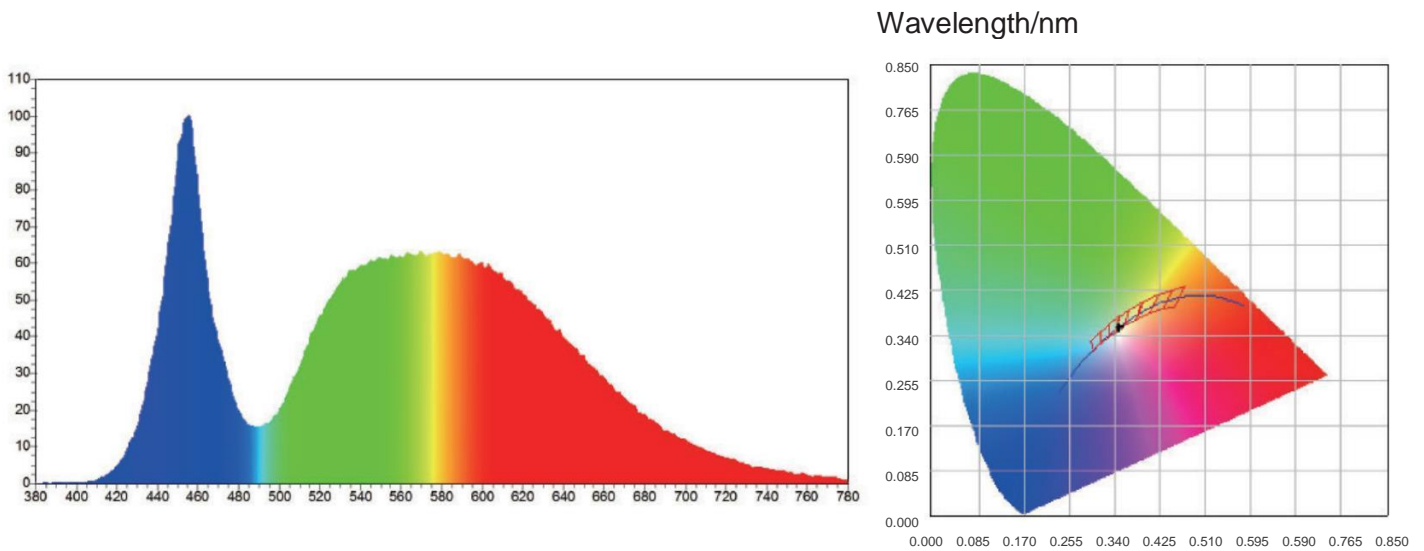
Application



Light Distribution Curve

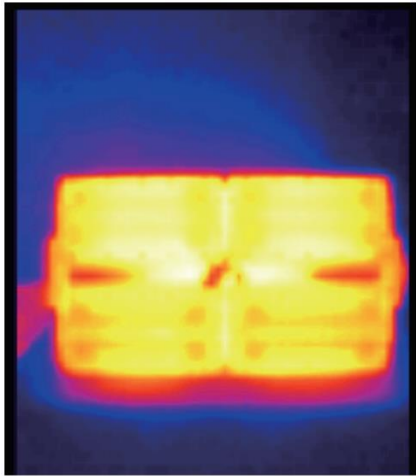


Integrating sphere test report COS-FL-200A-5000K

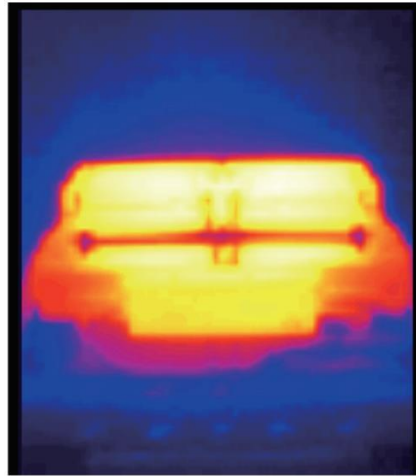


Spectrum		Electrical					
WD:	574.0 nm	I(test):	972.0 mA				
WP:	456.0 nm	V:	215.20 V				
HW:	25.0 nm	Flux:	32366.0105 lm				
R%:	31.3	P:	158.269 lm/w				
G%:	43.1	P:	204.500 w				
B%:	25.6	PF:	0.9740				
CIE(x,y):	0.3514 , 0.3586	R1:	80.6	R2:	85.5	R3:	85.3
CIE(u,v):	0.2130 , 0.3260	R4:	79.4	R5:	78.5	R6:	76.7
Ra:	80.5	R7:	87.0	R8:	71.0	R9:	18.6
DUV:	0.0010	R10:	60.7	R11:	76.5	R12:	43.1
CCT:	4797 K	R13:	81.0	R14:	91.0	R15:	78.7

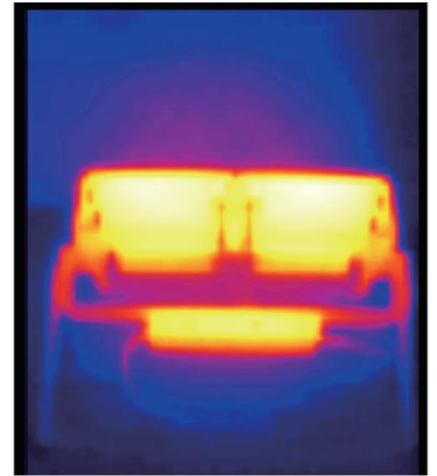
Temperature Rising Report



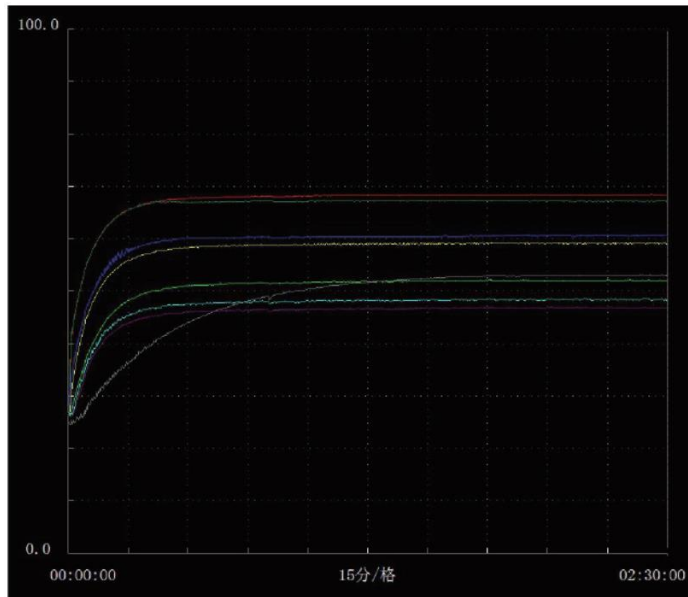
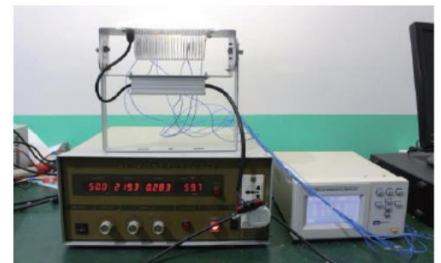
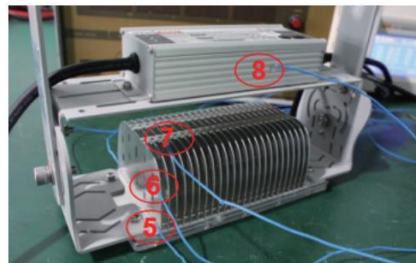
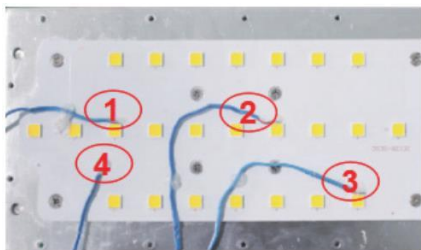
Luminous surface



Back



Overlook



- █ CH1 TJ
- █ CH2 TJ
- █ CH3 TJ
- █ CH4 PCB Board
- █ CH5 Heat Sink
- █ CH6 Heat Sink
- █ CH7 Heat Sink
- █ CH8 LED Driver

TIME(min)	0:00:00	0:30:00	1:00:00	1:30:00	2:00:00
CH1 TJ	29	58.7	59.6	60.0	60.0
CH2 TJ	29	53.0	53.8	54.1	54.2
CH3 TJ	29	62.5	63.1	63.3	63.4
CH4 PCB Board	29	53.9	54.6	54.8	54.9
CH5 Heat Sink	29	50.7	51.5	51.9	52.1
CH6 Heat Sink	29	46.1	46.7	47.1	47.5
CH7 Heat Sink	26	45.4	46.0	46.3	46.5
CH8 LED Driver	29	37.3	40.8	41.9	42.2

Test



Salt Spray Test

The heat sink processed by oxidization and powder spraying so that it has good corrosion resistance.



UV Aging Test

The test time is about 1440 hours. After test the lamp working regularly , no discoloration appearance , no yellowing of the pc lens , no rust of the support.



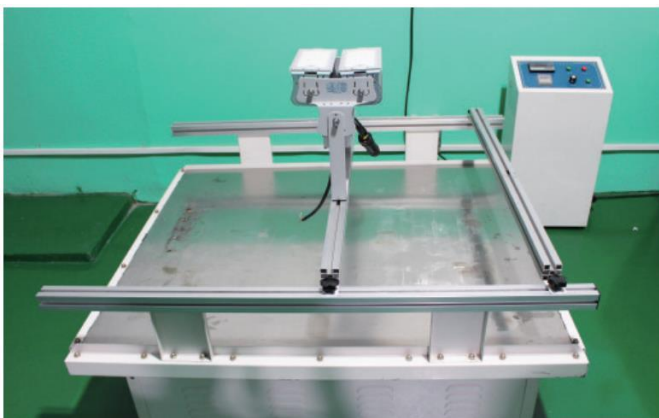
Waterproof Test

Every lamp will be tested the water-proof at least 2 hours before shipment. The semiautomatic test line make it very efficient to shorten lead time.



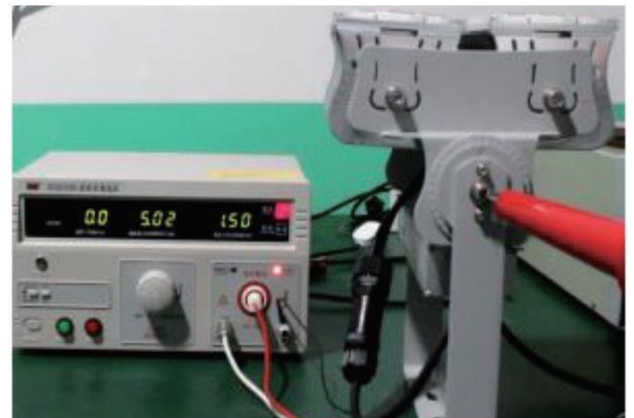
High-Low Temperature Test

The Test equipment opening 2hours, keeping temperature<-40°C, the lamp working fine. The Test equipment opening 4hours, keeping temperature>60°C, the lamp keep working fine.



Vibration Test

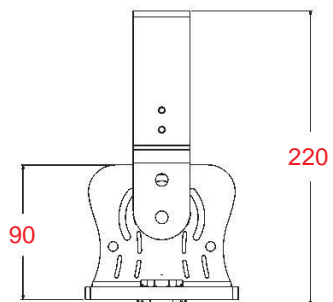
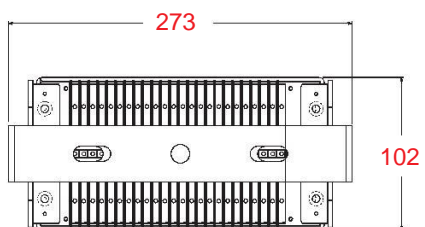
Vibration test is a simulation of various vibration condition including Transportation, Installation and Using , to ensure whether products can withstand or not.



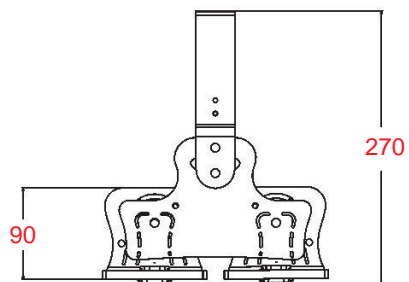
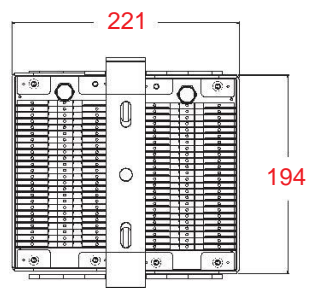
Withstand Voltage Test

Testing whether the withstand voltage is within the specified value, to avoid sudden voltage surges such as short circuit, operation error, fault, etc, causing breakdown or accidents.

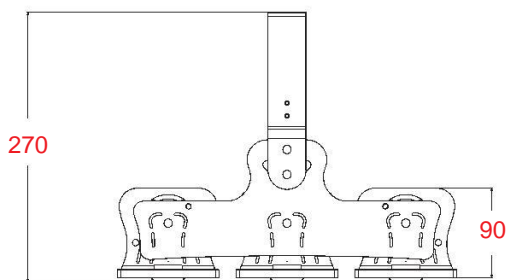
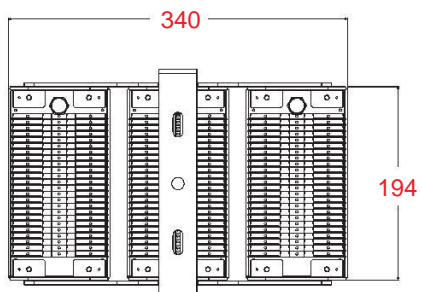
60/100W



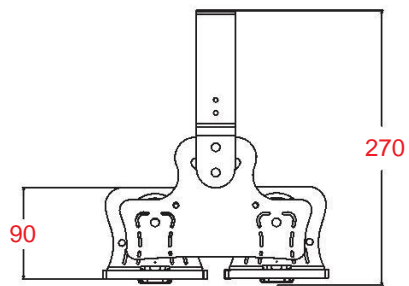
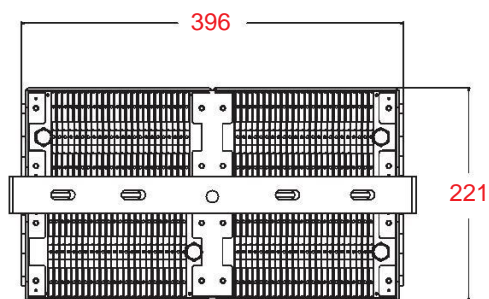
120/200W



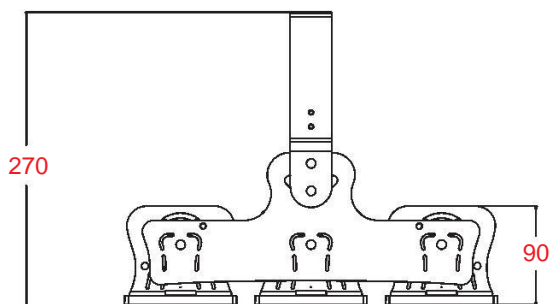
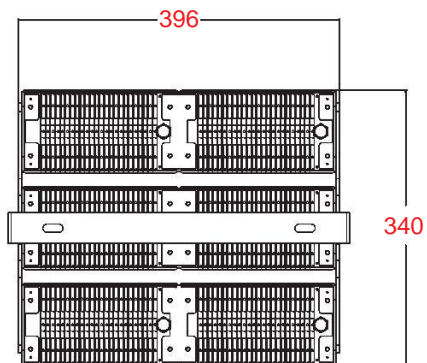
180/300W



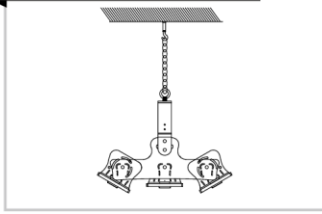
240/400W



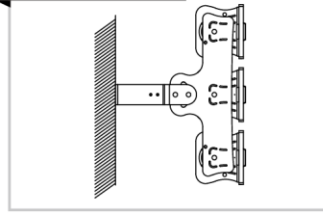
360/600W



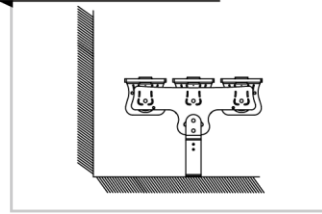
Suspended installation



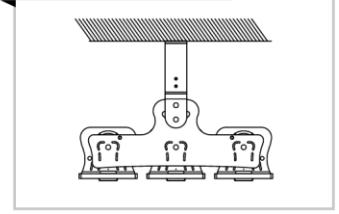
Wall installation



Ground installation



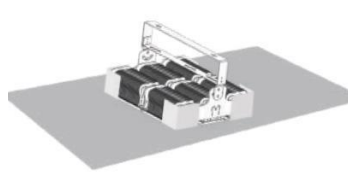
Ceiling installation



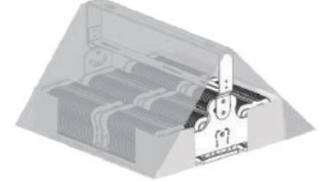
Packaging



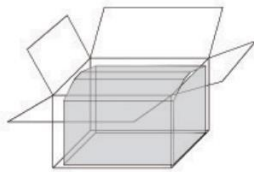
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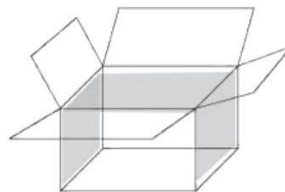
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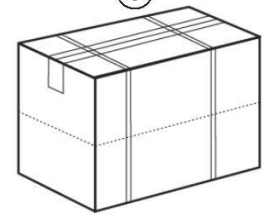
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④



⑤



⑥

Model	Size of Box	Weight of Carton	Size of Carton	Size of Carton	Gross Weight of Carton
COS-FL-100A	31*14*27cm	3.5KG	68*33*57cm	33.2KG	10
COS-FL-200A	32*26*28cm	5.0KG	53*33*58cm	20.4KG	4
COS-FL-300A	37*30*28cm	6.7KG	64*39*58cm	27.6KG	4
COS-FL-400A	47*29*30cm	8.1KG	59*48*34cm	17.8KG	2
COS-FL-600A	47*39*30cm	11.9KG	49*41*64cm	24.5KG	2
COS-FL-60B	33.5*14*30.5cm	2.8KG	72*35.5*63cm	29KG	10
COS-FL-120B	32*25.5*35.5cm	4.7KG	53*34*73cm	19.8KG	4
COS-FL-180B	41*33.5*24cm	5.7KG	70*43*50cm	23.8KG	4
COS-FL-240B	52.5*25.5*34cm	6.9KG	54.5*53*36cm	14.5KG	2
COS-FL-360B	54*41*24.5cm	9.9KG	56*43*51cm	20.6KG	2



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