



Excellent
Quality



Thelux

Compass series
TSL-FLO10

LED FLOOD LIGHT
3 YEARS GUARANTEE
50-200W 85-265V SPD4KV
DESIGNED & MADE IN THELUX
<http://www.theluxchina.com>



Product guideline

Item Model: TSL-FL010

Marketing item

Description: LED FLOOD LIGHT
85-265VAC - 100lm/W, PF>0.9
SMD2835 6v1W, LED by Epistar
Thelux Driver, SPD4KV

Approved issue: 01 / 09 / 2021



Signature of Technical Manager

Product Specifications

Model No.	TSL-FL010
Power	50 /100 /150 /200
Lamp size/cm	18.2*19.2*3 / 27*26*3.8 / 31*30*3.8 / 34*33*3.8
PF	>0.95
SPD	4KV / 6KV /10KV
Vin.	85-265V
Material	Die-casting Aluminum
Lens Material	PC
Beam Angle	70°*145°
Tempered Glass	/
Protection	Ip66
LED type	SMD2835
LED Quantity	72 /144 /216 /288
lm/W	100
Total Lumen Output	5000 / 10000 / 15000 /20000
Driver Type	Ip65 not Isolated Driver
Driver Protection	Ip65
Guarantee	3 Years
Certificate	CE /RoHS



Product Features

Compass series LED flood light, TSL-FL10, is one of Thelux newest launched products in the year 2021.

- Housing Material: Die-casting Aluminum housing, the design of the housing is good for heat radiation, to make the lamp longer lifespan.
- 340° adjustable bracket, can make the lamp install vertical or horizontal. Very convenient for customers to adjust the beam angle of the lamp.
- Philips; Epistar; Bridgelux ; Sanan; and Cree brand High Lumen Led chips, can reach $\geq 100\text{lm/w}$; 1.2mm thickness led pcb, good for heat sink.
- Lens 70*140, suitable for wide beam angle applications.
- Photoelectric separation structure give the driver a single space to install and also for single SPD.

Application areas

- Park.
- Workshop
- Garden

Structures and materials

- Housing material: die-cast aluminium body, with stainless steel screws.
- Optic material: Optical-grade polycarbonate
- Optical cover: PC
- Colour: RAL7021
- Impact Strength: IK09 (housing) / IK06/08 (PC cover)

Electrical

Input voltage and frequency: 85-265V, 50-60Hz
IEC protection class: Class I
Driver immunity: 4KV / 6KV
Rated input power: Up to 200 W
Single 10KV /20KV SPD optional

Optics

Rated colour rendering index > 70
Rated correlated colour temperatures: 2700K, 3000K, 4000K, 5000k, 6500K
ULOR: 0
Rated initial chromaticity co-ordinate values:

- 2700K: CIE(x=0.4582, y=0.4099) 5SDCM
- 3000K: CIE(x=0.4338, y=0.403) 5SDCM
- 4000K: CIE(x= 0.3818, y= 0.3797) 5SDCM
- 5000K: CIE(x= 0.34, y= 0.35) 5SDCM

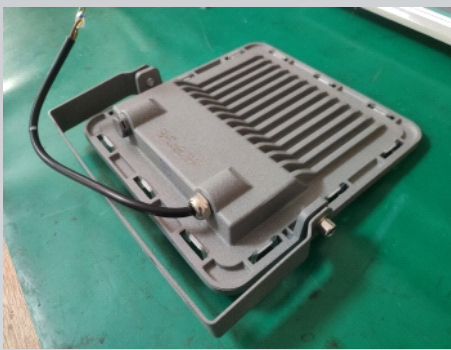
Compass series TSL-FLO10

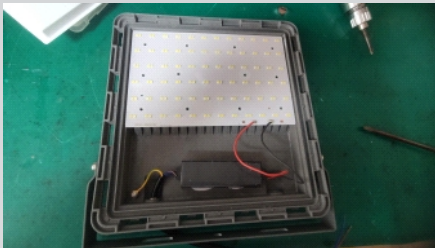
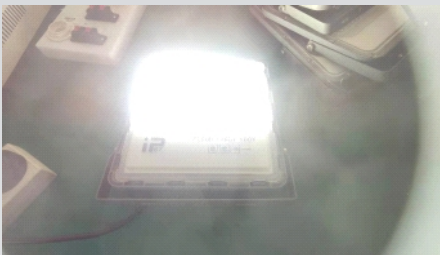
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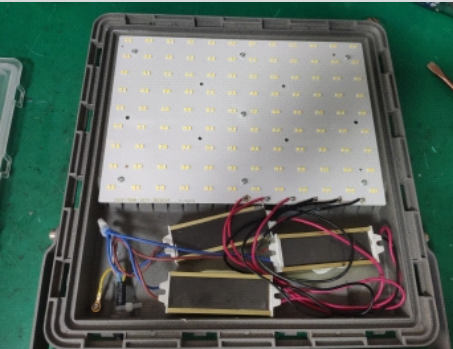
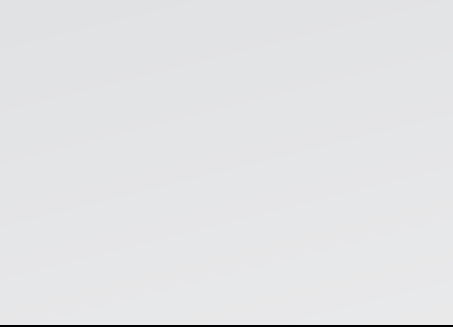
Ultra slim design
High power
50/100/150/200W
with driver

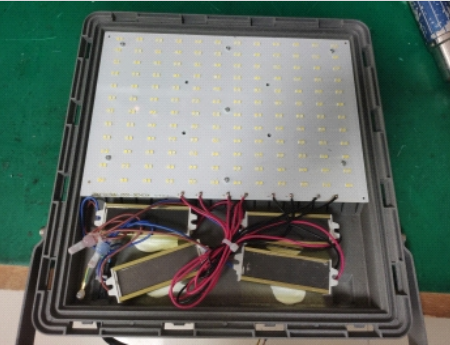


LED PIONEER
 Made in THELUX

ITEM NO:		TSL-FL010/50	DATE: 2021.08.31
Input Voltage		AC100V~265V 50Hz/60Hz	PIC
Input Current		234.8V 200mA	
output voltage/current		72.24V 593.8mA	
Open circuit voltage		99.17V	
Use each voltage power		85V/48.5W 100V/48W 265V/46W	
Driver types	DOB	/	
	ISOLATED IC	vIP65 LED driver	
	NON-ISOLATED IC	/	
Wires of driver/holder		PVC black wire, 3x0.75 ² , 25CM	
Power-factor		0.97	
Power Efficiency		90.57%	
LED Quantity	SMD	2835	
	COB	/	
LED Working Voltage		1W/3B24C/72PCS	
Nominal power		50W±10%	
System Consumption after 1H working		44.65W	
LED Initial flux	WW	/	
	NW	/	
	CW	5000LM±5%	
Color Temperature	WW	/	
	NW	/	
	CW	6500K	
LM/W		110-113LM/W	
Color rendering index(Ra)		Ra>80	
Beam Angle		120°	
Juction Temperature		<105℃	
Operation Temperature		-20℃ ~ +40℃、10% ~ 90% R.H.	
Storage Temperature		-10℃ ~ +30℃、0% ~ 80% R.H.	

ITEM NO:		TSL-FL010/100	DATE: 2021.08.31
Input Voltage		AC100V~265V 50Hz/60Hz	PIC
Input Voltage Current		233.5V 417.1mA	
output voltage/current		71.62V 1361mA	
Open circuit voltage		127.1V	
Use each voltage power		85V/100W 100V/101.3W 265V/95.5W	
Driver types	DOB	/	
	ISOLATED IC	vIP65 LED driver	
	NON-ISOLATED IC	/	
Wires of driver/holder		PVC black wire, 3x0.75 ² , 25CM	
Power-factor		0.97	
Power Efficiency		92.47%	
LED Quantity	SMD	2835	
	COB	/	
LED Working Voltage		/1W/3B24C×2/144PCS	
Nominal power		100W±10%	
System Consumption		99.64W	
LED Initial flux	WW	/	
	NW	/	
	CW	10300LM±5%	
Color Temperature	WW	/	
	NW	/	
	CW	6500K	
LM/W		100LM/W	
Color rendering index(Ra)		Ra>80	
Beam Angle		120°	
Juction Temperature		<105℃	
Operation Temperature		-20℃ ~ +40℃、10% ~ 90% R.H.	
Storage Temperature		-10℃ ~ +30℃、0% ~ 80% R.H.	

ITEM NO:		TSL-FL010/150	DATE: 2021.08.31
Input Voltage		AC100V~265V 50Hz/60Hz	PIC
Input Voltage Current		234V 4000mA	
output voltage/current		70V 1900mA	
Open circuit voltage		150V	
Use each voltage power		85V/151W 100V/147W 265V/140W	
Driver types	DOB	/	
	ISOLATED IC	vIP65 LED driver	
	NON-ISOLATED IC	/	
Wires of driver/holder		PVC black wire, 3x0.75 ² , 25CM	
Power-factor		0.97	
Power Efficiency		92.47%	
LED Quantity	SMD	2835	
	COB	/	
LED Working Voltage		/1W/3B24C×3/216PCS	
Nominal power		150W±10%	
System Consumption		151W	
LED Initial flux	WW	/	
	NW	/	
	CW	15500LM±5%	
Color Temperature	WW	/	
	NW	/	
	CW	6500K	
LM/W		102LM/W	
Color rendering index(Ra)		Ra>80	
Beam Angle		120°	
Juction Temperature		<105℃	
Operation Temperature		-20℃ ~ +40℃、10% ~ 90% R.H.	
Storage Temperature		-10℃ ~ +30℃、0% ~ 80% R.H.	

ITEM NO:		TSL-FL010/200	DATE: 2021.08.31
Input Voltage		AC100V~265V 50Hz/60Hz	PIC
Input Voltage Current		234V 5500mA	
output voltage/current		70V 2500mA	
Open circuit voltage		150V	
Use each voltage power		85V/201.5W 100V/195W 265V/184.5W	
Driver types	DOB	/	
	ISOLATED IC	vIP65 LED driver	
	NON-ISOLATED IC	/	
Wires of driver/holder		PVC black wire, 3x0.75 ² , 25CM	
Power-factor		0.97	
Power Efficiency		92.47%	
LED Quantity	SMD	2835	
	COB	/	
LED Working Voltage		/1W/3B24C×4/288PCS	
Nominal power		200W±10%	
System Consumption		202W	
LED Initial flux	WW	/	
	NW	/	
	CW	20900LM±5%	
Color Temperature	WW	/	
	NW	/	
	CW	6500K	
LM/W		103LM/W	
Color rendering index(Ra)		Ra>80	
Beam Angle		120°	
Juction Temperature		<105℃	
Operation Temperature		-20℃ ~ +40℃、10% ~ 90% R.H.	
Storage Temperature		-10℃ ~ +30℃、0% ~ 80% R.H.	

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Strong Heatsink, let's be cool!

*solid aluminum



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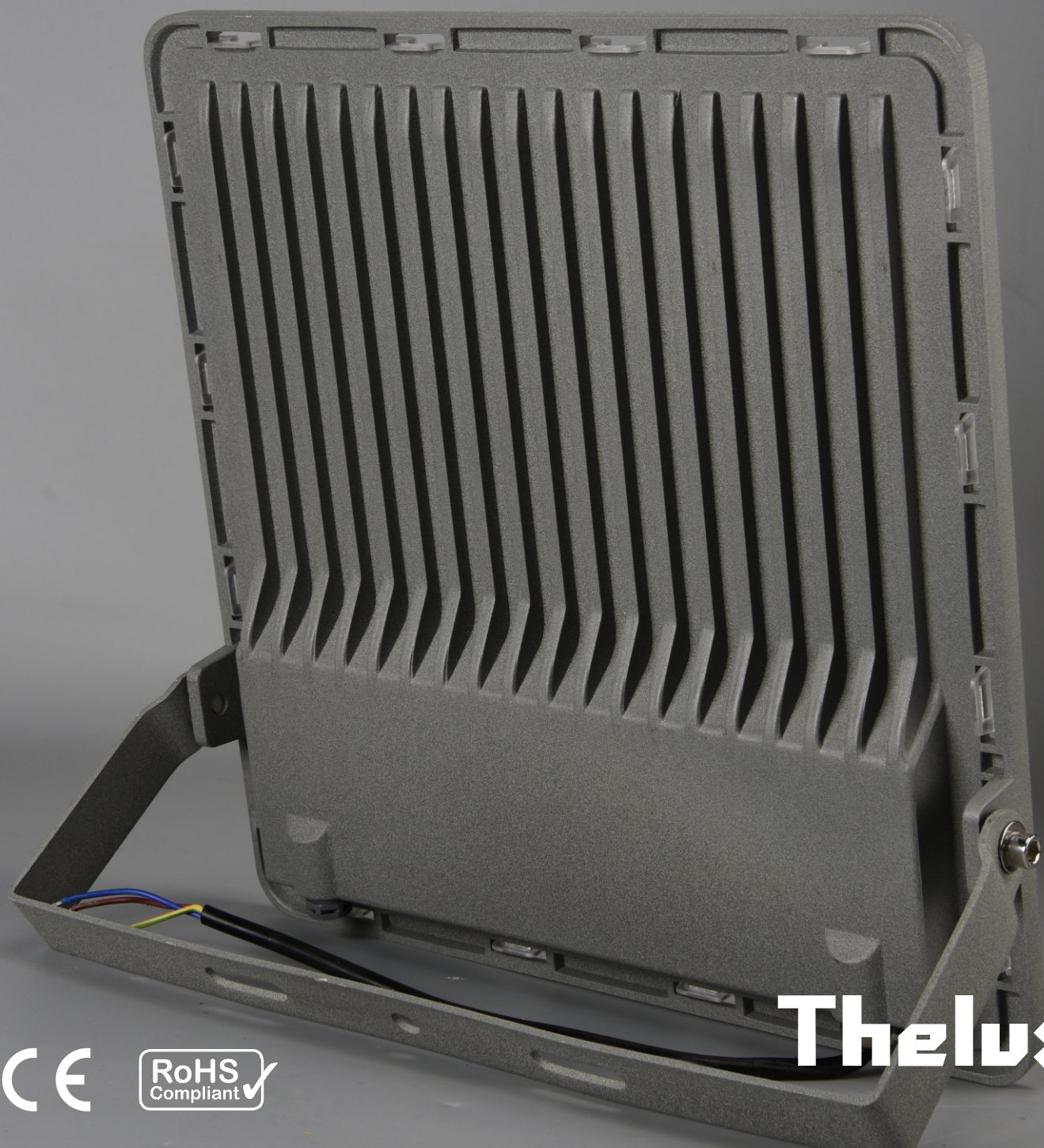
Strong Waterproof Performance!
*without screws design



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Quality



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