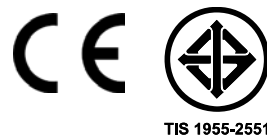


## “FORTIS” LED FLOODLIGHT 100W, 150W, 200W (Model: FLCF Series)

### FEATURES:

- High Efficiency (110 lumens/W)
- Samsung LED (LM80)
- Reliable power supply that ensures long life time and consistent performance
- 100-305Vac: Wide input voltage for protection against voltage fluctuations
- 6kV surge protection for protection against transient voltage
- Over 50,000 hours design life
- Durable die-cast aluminum and tempered glass
- CE and TIS (Thailand) certified



### SPECIFICATIONS<sup>+</sup>:

Model	FLCF-1000	FLCF-1500	FLCF-2000
System Power	100W	150W	200W
LED Chips/Packages	Samsung LED		
Color Temperature (CCT)	3000K, 4000K, 5000K, 5700K, 6500K (standard model)		
CRI	>80Ra		
Luminous Flux	11000 lm	16500 lm	22000 lm
Luminous Efficacy	110 lm/W		
Input Voltage	100-305Vac, 50/60Hz		
Surge Protection*	Line-Line: 4kV, Line-Ground: 6kV		
Power Factor	>0.9		
Power Supply Efficiency	90%		
Dimming	Optional		
Beam Angle	110°x100°	105°x90°	120°x100°
Design Life	>50,000 hours		
Operating Temperature	-40 ~ +40 °C		
Housing Color	Black		
Housing Material	Diecast Aluminum		
Diffuser Material	Tempered Glass		
Ingress Protection	IP65		
Product Dimension	340x300x70mm	360x340x83mm	420x380x106mm
Carton Dimension	355x310x90mm	380x355x135mm	460x420x160mm
Net Weight	3.8kg	5.8kg	8.0kg
Gross Weight	4.4kg	6.3kg	9.1kg

+ Specifications are subject to changes without prior notice.

\* Surge protection value can vary depending on the power supply brand and model.

REVISION: 5

Title: CLARO “FORTIS” LED FLOODLIGHT  
100W, 150W, 200W

Model: FLCF

SHEET No: 1 of 5

Version: 3.1

Date: 2017.09.12

### “FORTIS” LED FLOODLIGHT 100W, 150W, 200W (Model: FLCF Series)

PRODUCT PHOTOS:



**100W**



**150W**



**200W**



### ORDERING INFORMATION: e.g., FLCF-200065N

Series	Wattage		Color Temperature (CCT)		Dimming
<b>FLCF</b>	1000	100W	30	3000K	N Non-dimmable D Dimmable
	1500	150W	40	4000K	
	2000	200W	57	5700K	
			65	6500K	

\*Specification is subject to change without notice.

REVISION: 5

Title: CLARO “FORTIS” LED FLOODLIGHT  
100W, 150W, 200W

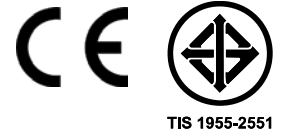
Model: FLCF

SHEET No: 2 of 5

Date: 2017.09.12

Version: 3.1

## “FORTIS” LED FLOODLIGHT 100W, 150W, 200W (Model: FLCF Series)



### PHOTOMETRIC TEST: 100W

Filename: CLARO FORTIS 100W FLOODLIGHT FLCF-1000 v2.0

Manufacturer: EPITAX PTE LTD (SINGAPORE)

Luminaire: CLARO "FORTIS" 100W FLOODLIGHT

Luminaire Cat: LED FLOODLIGHT

Lamp: FLCF-1000

Lamp Cat: LED

Lamp Output: Total luminaire Lumens: 10975.2

Max Candela: 4,353.7 at Horizontal: 300°, Vertical: 5°

Input Wattage: 98.8

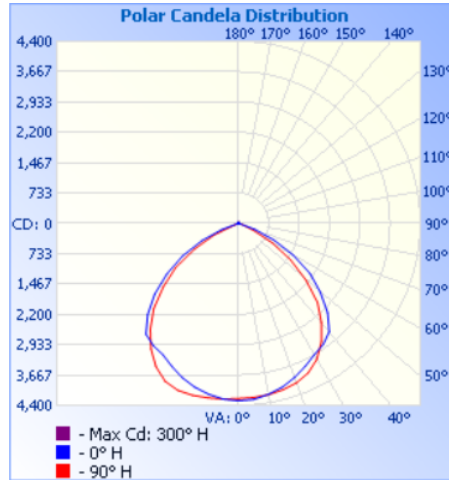
Luminous Opening: Rectangle w/Luminous Sides (L: 0.22M, W: 0.18M, H: 0.01M)

Test Date: 2017-6-7

Photometry : Type C

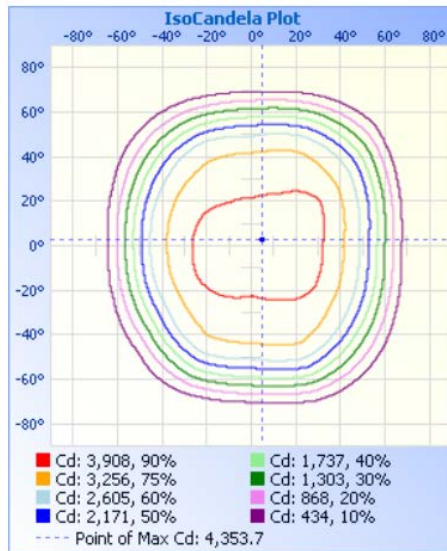
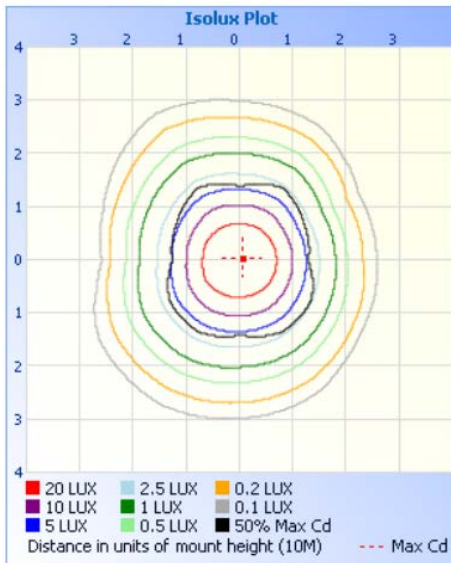
Cutoff Class: Cutoff

Nema Type: 7 X 7



#### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.5%	10,695.5	131.9	140.3
Beam(50%):	81.2%	8,910.9	102	110
Total:	100%	10,976.1		



Distance (M)	Illuminance at a Distance	
	Center Beam LUX	Beam Width
1.67M	1,542 LUX	4.76 M 4.12 M
3.33M	385 LUX	9.52 M 8.24 M
5.00M	172 LUX	14.28 M 12.35 M
6.67M	96.5 LUX	19.04 M 16.47 M
8.33M	61.7 LUX	23.80 M 20.59 M
10.00M	42.9 LUX	28.56 M 24.70 M

■ Vert. Spread: 110.0°  
■ Horiz. Spread: 102.0°

REVISION: 5

Title: CLARO “FORTIS” LED FLOODLIGHT  
100W, 150W, 200W

Model: FLCF

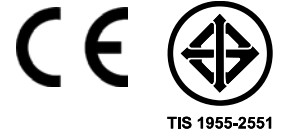
SHEET No: 3 of 5

Date: 2017.09.12

Version: 3.1

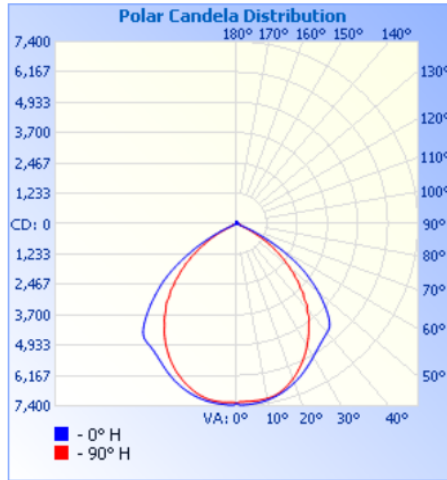
## “FORTIS” LED FLOODLIGHT 100W, 150W, 200W (Model: FLCF Series)

### PHOTOMETRIC TEST: 150W



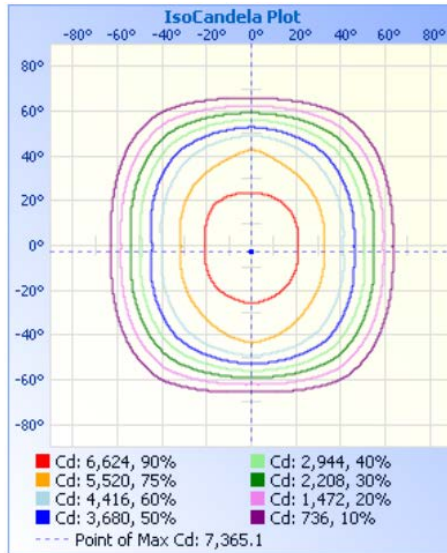
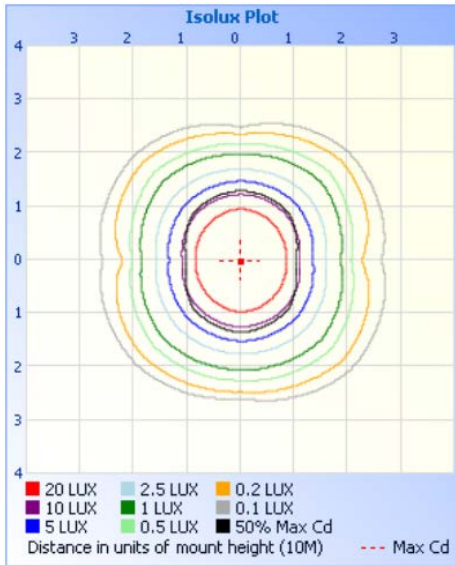
Filename: CLARO FORTIS 150W FLOODLIGHT FLCF-1500 v2.0

Manufacturer: EPITAX PTE LTD (SINGAPORE)  
 Luminaire: CLARO “FORTIS” 150W FLOODLIGHT  
 Luminaire Cat: LED FLOODLIGHT  
 Lamp: FLCF-1500  
 Lamp Cat: LED  
 Lamp Output: Total luminaire Lumens: 16488.9  
 Max Candela: 7,365.1 at Horizontal: 0°, Vertical: 1°  
 Input Wattage: 145.9  
 Luminous Opening: Rectangle w/Luminous Sides (L: 0.26M, W: 0.18M, H: 0.07M)  
 Photometry : Type C  
 Cutoff Class: Cutoff  
 Nema Type: 6 X 7



#### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.2%	15,870.4	126.3	131
Beam (50%):	77%	12,694.9	90.9	105.9
Total:	100%	16,485.3		



Distance (M)	Illuminance at a Distance	
	Center Beam LUX	Beam Width
1.67M	2,623 LUX	4.42 M 3.39 M
3.33M	656 LUX	8.84 M 6.78 M
5.00M	292 LUX	13.25 M 10.16 M
6.67M	164 LUX	17.67 M 13.55 M
8.33M	105 LUX	22.09 M 16.94 M
10.00M	72.9 LUX	26.51 M 20.33 M

■ Vert. Spread: 105.9°  
■ Horiz. Spread: 90.9°

REVISION: 5

Title: CLARO “FORTIS” LED FLOODLIGHT  
 100W, 150W, 200W

Model: FLCF

SHEET No: 4 of 5

Date: 2017.09.12

Version: 3.1

## “FORTIS” LED FLOODLIGHT 100W, 150W, 200W (Model: FLCF Series)

### PHOTOMETRIC TEST: 200W



Filename: CLARO FORTIS 200W FLOODLIGHT FLCF-2000 v2.0

Manufacturer: EPITAX PTE LTD (SINGAPORE)

Luminaire: CLARO "FORTIS" 200W FLOODLIGHT

Luminaire Cat: LED FLOODLIGHT

Lamp: FLCF-2000

Lamp Cat: LED

Lamp Output: Total luminaire Lumens: 22386.9

Max Candela: 6,877.7 at Horizontal: 90°, Vertical: 40°

Input Wattage: 199.3

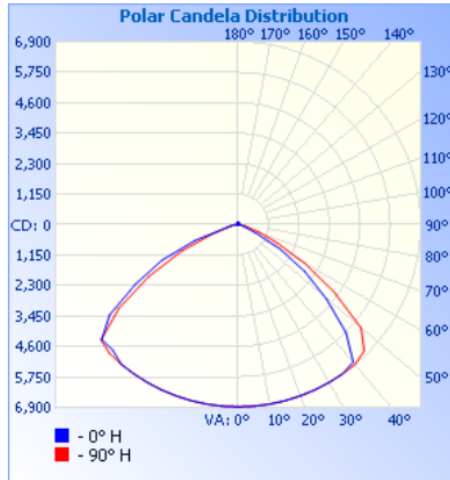
Luminous Opening: Rectangle w/Luminous Sides (L: 0.32M, W: 0.26M, H: 0.01M)

Test Date: 2017-3-24

Photometry : Type C

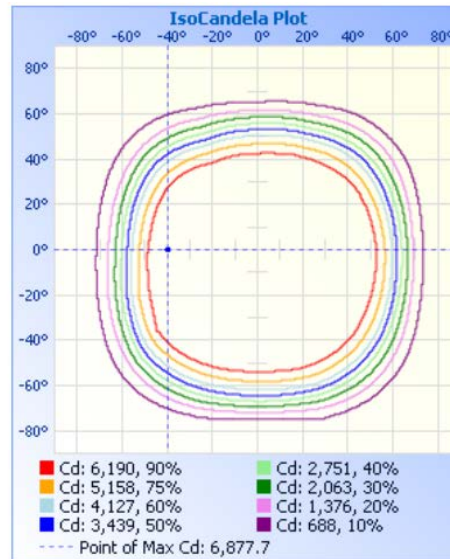
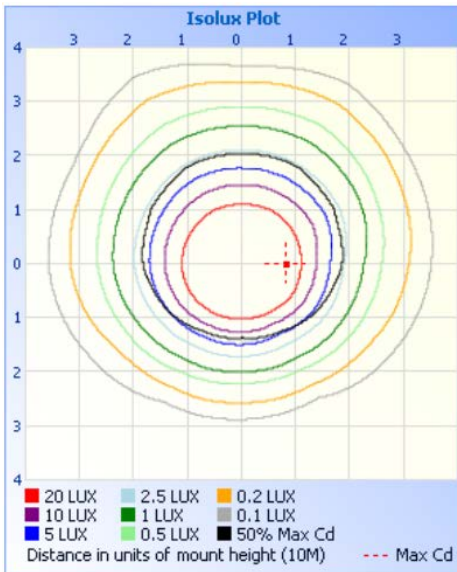
Cutoff Class: Cutoff

Nema Type: 7 X 6



#### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.8%	21,674.5	145	129.9
Beam (50%):	86.8%	19,440.6	119.8	97.1
Total:	100%	22,385.8		



**Illuminance at a Distance**

Distance	Center Beam LUX	Beam Width
1.67M	2,474 LUX	3.78 M 5.75 M
3.33M	618 LUX	7.55 M 11.49 M
5.00M	275 LUX	11.32 M 17.23 M
6.67M	155 LUX	15.10 M 22.98 M
8.33M	99.0 LUX	18.88 M 28.72 M
10.00M	68.8 LUX	22.65 M 34.47 M

■ Vert. Spread: 97.1°  
■ Horiz. Spread: 119.8°

REVISION: 5

Title: CLARO “FORTIS” LED FLOODLIGHT  
100W, 150W, 200W

Model: FLCF

SHEET No: 5 of 5

Date: 2017.09.12

Version: 3.1