

“FORTIS 2” LED PANEL LIGHT (BACK LIT) (Model: PLBCF2)

FEATURES:

- Slim, yet robust housing design
- Back-lit housing design for higher efficiency and lumens output
- Multiple choices of shapes and sizes (Round/Square, 4in/6in cutout)
- Wide voltage range (90-305Vac) for protection against voltage fluctuation
- 2.5kV surge protection for protection against transient voltage
- Reliable power supply ensures long lifetime and consistent performance
- Samsung LED (LM80)



SAMSUNG LED

SPECIFICATIONS⁺:

PARAMETERS	PLBCF2-60	PLBCF2-90	PLBCF2-120	PLBCF2-180
System Power	6W	9W	12W	18W
LED Chips/Packages	Samsung			
Color Temperature (CCT)	3000K (standard model), 4000K, 5700K, 6500K (standard model)			
CRI	80 Ra			
Luminous Flux	650 lm	1000 lm	1350 lm	2000 lm
Luminous Efficacy	~110 lm/W			
Input Voltage	180-305 Vac (220VAC nominal), 50/60Hz			
Surge Protection	2.5kV			
Power Supply Efficiency	>90%			
Dimming	Non-dimmable (Dimming option is available)			
Beam Angle	100 Degrees			
Design Life	40,000 hours			
Housing Color	White (Power Coating)			
Housing Material	Diecast Aluminum			
Diffuser Material	Polycarbonate (frost)			
Housing Shape	Round or Square			
Cutout Size	4 inch		6 inch	

⁺ Product specifications are subject to changes without notice.

REVISION: 5

Date: 2017.10.18

Title: “FORTIS 2” LED PANEL LIGHT (BACK LIT)

Model: PLBCF2

SHEET No: 1 of 3

Version: 2.2

“FORTIS 2” LED PANEL LIGHT (BACK LIT) (Model: PLBCF2)

PRODUCT PHOTOS:



ORDERING INFORMATION: e.g., PLBCF2-18030N-80100-06

Series		Wattage		Color Temperature (CCT)		Dimming		CRI		Beam Angle		Diameter	
PLBCF2	“FORTIS 2” PANEL (BACKLIT)	60	6W	30	3000K	N D	Non-dimmable Dimmable	80	80Ra	100	100 DEG	04	4 inch
		90	9W	40	4000K							06	6 inch
		120	12W	57	5700K								
		180	18W	65	6500K								

REVISION: 5

Date: 2017.10.18

Title: “FORTIS 2” LED PANEL LIGHT (BACK LIT)

Model: PLBCF2

SHEET No: 2 of 3

Version: 2.2

“FORTIS 2” LED PANEL LIGHT (BACK LIT) (Model: PLBCF2)

PHOTOMETRIC CHARACTERISTICS*: 18W

Filename: CLARO FORTIS PANEL (BACKLIT) 18W

Manufacturer: CLARO RESEARCH (SHENZHEN) CO., LTD.

Luminaire: CLARO "FORTIS" PANEL LIGHT (BACKLIT) 6 INCH 18W

Lamp Output: Total luminaire Lumens: 1968.6

Max Candela: 760.2 at Horizontal: 150°, Vertical: 1°

Input Wattage: 17.6

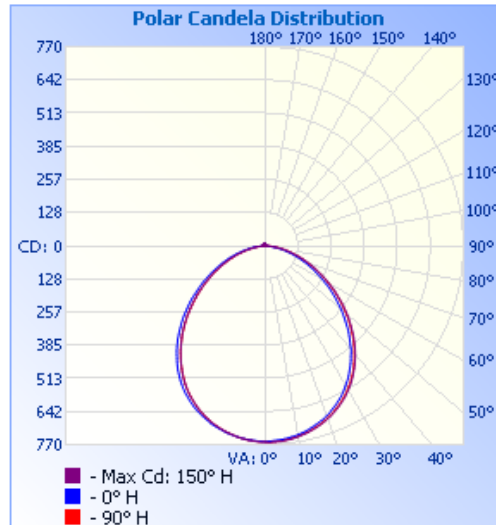
Luminous Opening: Vertical Cylinder (Dia : 0.15M, H: 0.03M)

Photometry : Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

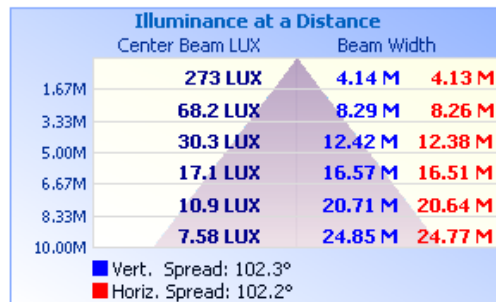
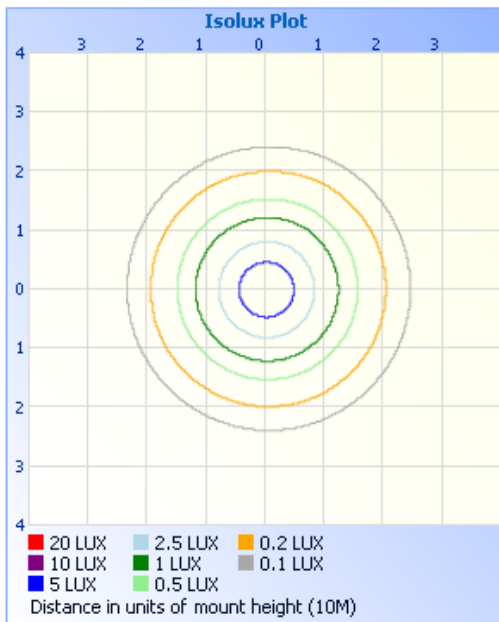


Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	585.0	29.7%
0-40	947.2	48.1%
0-60	1,595.8	81.1%
60-90	335.5	17%
70-100	139.3	7.1%
90-120	18.2	0.9%
0-90	1,931.3	98.1%
90-180	37.3	1.9%
0-180	1,968.6	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	71.7	3.6%	90-100	6.3	0.3%
10-20	205.0	10.4%	100-110	6.1	0.3%
20-30	308.3	15.7%	110-120	5.8	0.3%
30-40	362.2	18.4%	120-130	5.3	0.3%
40-50	354.9	18.0%	130-140	4.5	0.2%
50-60	293.7	14.9%	140-150	3.8	0.2%
60-70	202.4	10.3%	150-160	3.0	0.2%
70-80	106.2	5.4%	160-170	1.9	0.1%
80-90	26.9	1.4%	170-180	0.6	0%



* Only 18W test results were presented.
Test results of other wattages are available upon request.