

P5730-100-700mA-20W-3000K-48"-IP22

Specification Sheet



PHYSICAL

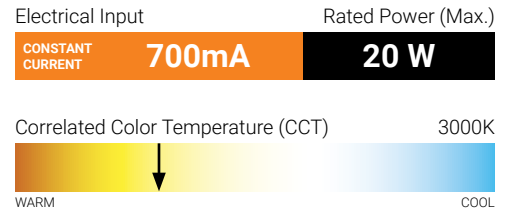
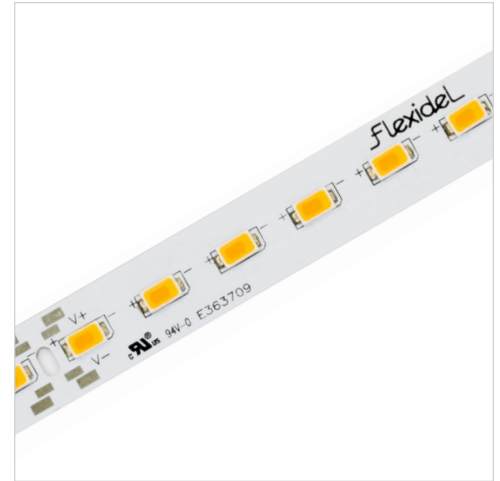
Product Type	Rigid PCB LED Strip	
SMD Type	5730	
Strip Width	1/2 in	12.4 mm
Strip Length	47 in	1193.8 mm
Number of LED Chips	100 LED	
Lifespan	50 000 Hrs	
IP Code (IEC standard 60529)	IP22	

ELECTRICAL

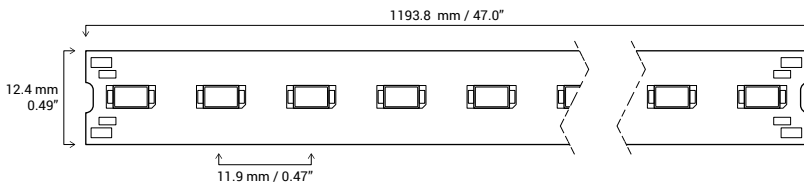
Input Type	DC, Constant Current	
Input Voltage	700 mA	
Rated Power (Max.)	20W Total	

LIGHTING

Luminous Flux	2742.66 lm	
Luminous Efficacy	133.1 lm/W	
Correlated Color Temperature	3000K (Warm White)	
Colour Rendering Index	83.6	
R9	17	
dUV (black-body curve deviation)	-0.0007	



DIMENSIONS



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Test Data for Full PCB Strip (100 LED/47in)



Chroma Parameters

Chromaticity Coordinates: $x=0.4312, y=0.4004, u=0.2485, v=0.3460, duv=-0.0007$
 Correlated Color Temperature: 3069K
 Dominant Wave.: 582.8nm
 Purity: 49.6%
 Flux RGB Ratio: R=22.5%, G=75.8%, B=1.7%
 Peak Wave: 603.7nm
 Half Width: 137.5nm

Rendering Index: Ra=83.6

R1=82 R2=91 R3=97 R4=80 R5=81 R6=87 R7=85 R8=64
 R9=17 R10=78 R11=78 R12=68 R13=84 R14=98 R15=77

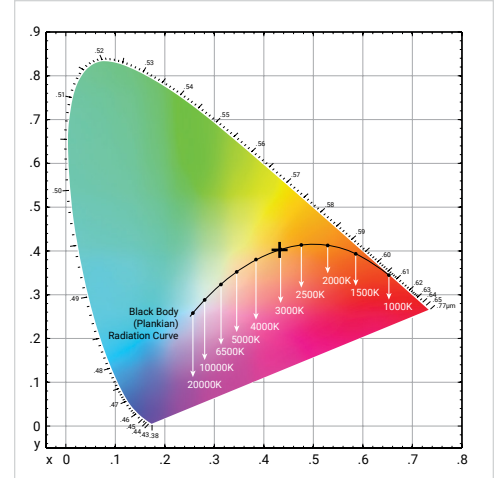
Photo Parameters

Luminous Flux: 2742.66 lm
 Luminous Efficacy: 133.1 lm/W
 Radiant Flux: 9112.7 mW
 Iv: 0.0 mcd

Electrical Parameters

Voltage: U=29.5V
 Current: I=700mA
 Power: P=20.6W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=44.1%, G=43.8%, B=12.2%

