

P5730-100-700mA-20W-4200K-48"-IP22

Specification Sheet



PHYSICAL

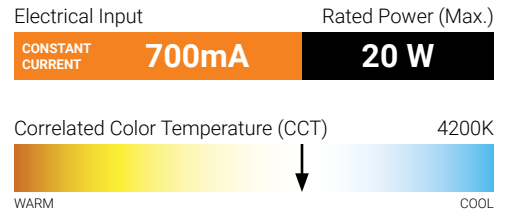
Product Type	Rigid PCB LED Strip	
SMD Type	5730	
Strip Width	1/2 in	12.4 mm
Strip Length	47 in	1193.8 mm
Number of LED Chips	100 LED	
Lifespan	50 000 Hrs	
IP Code (IEC standard 60529)	IP22	

ELECTRICAL

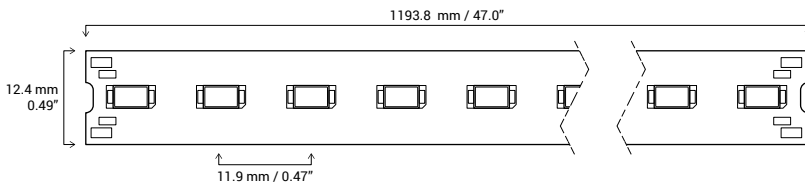
Input Type	DC, Constant Current	
Input Voltage	700 mA	
Rated Power (Max.)	20W Total	

LIGHTING

Luminous Flux	2894.05 lm	
Luminous Efficacy	140.4 lm/W	
Correlated Color Temperature	4200K (Neutral White)	
Colour Rendering Index	83.8	
R9	21	
dUV (black-body curve deviation)	-0.0002	



DIMENSIONS



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



Chroma Parameters

Chromaticity Coordinates: x=0.3769, y=0.3740, u=0.2238, v=0.3332, duv=-0.0002
 Correlated Color Temperature: 4079K
 Dominant Wave.: 578.9nm
 Purity: 25.4%
 Flux RGB Ratio: R=18.1%, G=79.6%, B=2.2%
 Peak Wave: 447.5nm
 Half Width: 21.5nm

Rendering Index: Ra=83.8

R1=82 R2=88 R3=91 R4=83 R5=82 R6=83 R7=89 R8=71
 R9=21 R10=70 R11=82 R12=63 R13=83 R14=95 R15=78

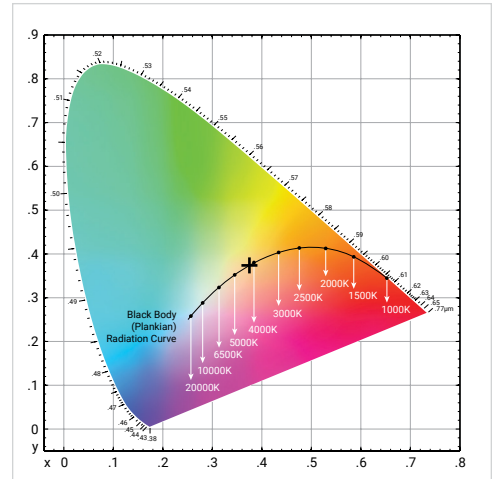
Photo Parameters

Luminous Flux: 2894.05 lm
 Luminous Efficacy: 140.4 lm/W
 Radiant Flux: 9174.1 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=34.5%, G=46.6%, B=18.8%

