

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

### Specification Sheet



#### PHYSICAL

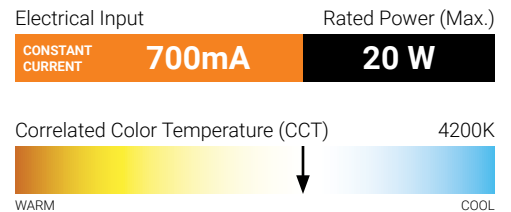
Product Type	Rigid PCB LED Strip	
SMD Type	5730	
Strip Width	1/2 in	12.4 mm
Strip Length	47 in	1193.8 mm
Number of LED Chips	100 LED	
Lifespan	50 000 Hrs	
IP Code (IEC standard 60529)	IP22	

#### ELECTRICAL

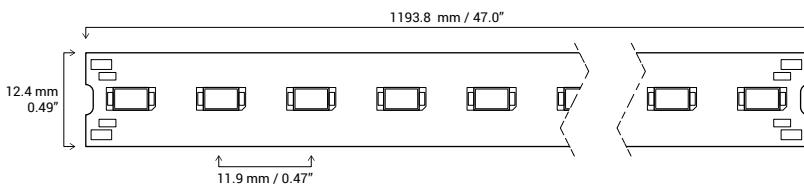
Input Type	DC, Constant Current
Input Voltage	700 mA
Rated Power (Max.)	20W Total

#### LIGHTING

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



#### 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

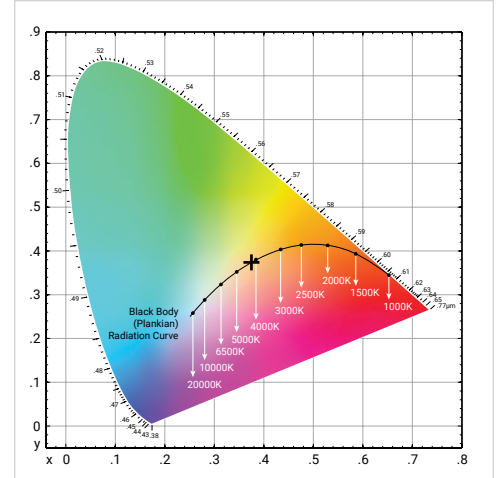
#### Photo Parameters

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%

