

P5730-80-700mA-16W-4200K-36"-IP22 Specification Sheet



PHYSICAL

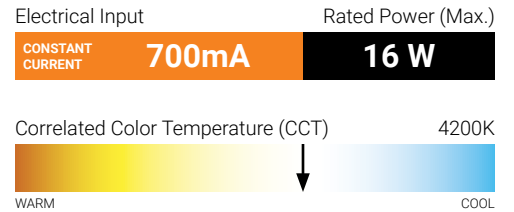
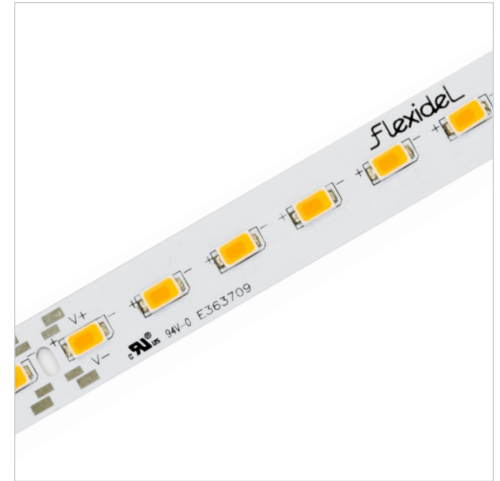
| | | |
|------------------------------|---------------------|---------|
| Product Type | Rigid PCB LED Strip | |
| SMD Type | 5730 | |
| Strip Width | 1/2 in | 12.4 mm |
| Strip Length | 35 in | 889 mm |
| Number of LED Chips | 80 LED | |
| Lifespan | 50 000 Hrs | |
| IP Code (IEC standard 60529) | IP22 | |

ELECTRICAL

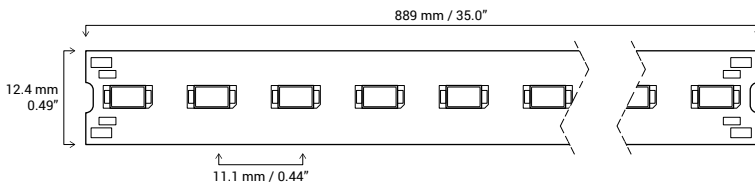
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|--------------------|----------------------|--|
| Input Type | DC, Constant Current | |
| Input Voltage | 700 mA | |
| Rated Power (Max.) | 16W Total | |

LIGHTING

| | |
|----------------------------------|------------------------------|
| Luminous Flux | 2330.86 lm |
| Luminous Efficacy | 140.4 lm/W |
| Correlated Color Temperature | 4200K (Neutral White) |
| Colour Rendering Index | 83.3 |
| R9 | 19 |
| duv (black-body curve deviation) | 0.0000 |



DIMENSIONS



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Test Data for Full PCB Strip (80 LED/35in)



Chroma Parameters

Chromaticity Coordinates: x=0.3778, y=0.3751, u=0.2240, v=0.3337, duv=0.0000
 Correlated Color Temperature: 4061K
 Dominant Wave.: 578.8nm
 Purity: 26.0%
 Flux RGB Ratio: R=18.1%, G=79.6%, B=2.3%
 Peak Wave: 447.5nm
 Half Width: 22.0nm

Rendering Index: Ra=83.3

R1=82 R2=87 R3=92 R4=83 R5=82 R6=83 R7=88 R8=69
 R9=19 R10=70 R11=82 R12=62 R13=83 R14=95 R15=77

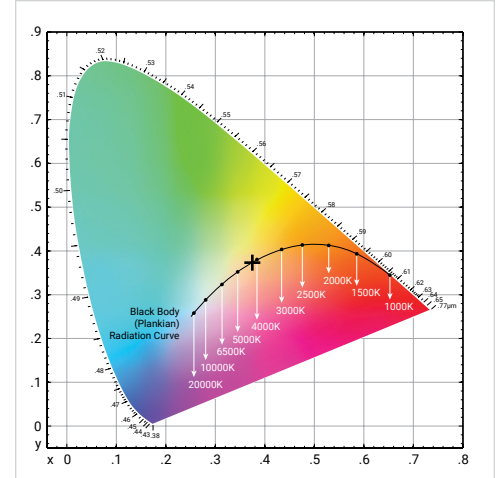
Photo Parameters

Luminous Flux: 2330.86 lm
 Luminous Efficacy: 140.4 lm/W
 Radiant Flux: 6834.6 mW
 Iv: 0.0 mcd

Electrical Parameters

Voltage: U=23.8V
 Current: I=700mA
 Power: P=16.6W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=34.4%, G=46.8%, B=18.8%

