



lumentruss

Client

Project

Order no.

Type

Qty

Date

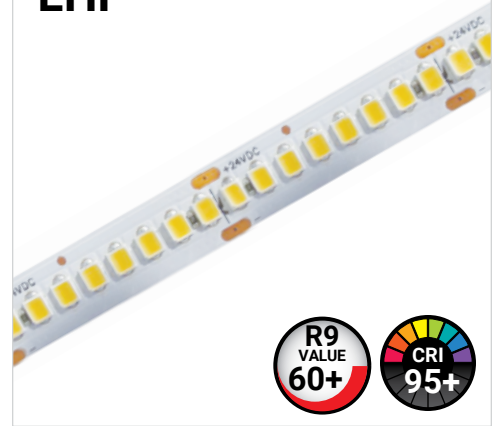
# B2835-24V-240-10mm-23W-XXK-IP22-HOS

## Specification Sheet



CONFORMS TO UL STD. 2108 & 8750  
CERTIFIED TO CSA STD. C22.2 NO. 250.0-08 & C22.2 NO. 9.0

### LHP



Electrical Input

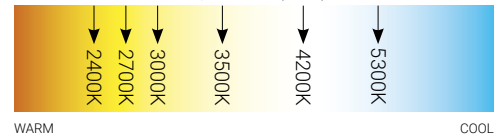
Rated Power (Max.)

CONSTANT VOLTAGE

**24V DC**

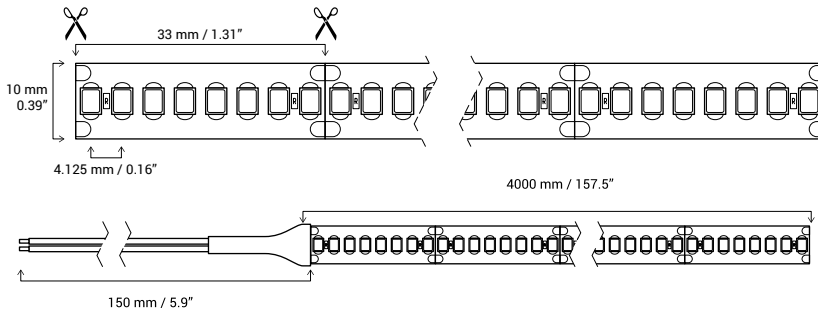
**92 W/roll**

Correlated Color Temperature (CCT)



### PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	2835		
Strip Width	3/8 in	10 mm (IP22)	
Strip Total Length (Roll)	13.12 ft	4 m	
LED Linear Density	72 LED/ft	240 LED/m	960 LED/roll total
Can be cut at every	1.31 in	33 mm	8 LED
Storage Temperature	-40°C to +80°C	Operating Temperature	-25°C to +40°C
Lifespan	50 000 Hrs		



### ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
<b>Rated Power (Max.)</b>	<b>7 W/ft</b>	<b>23 W/m</b>	<b>92 W/roll total</b>

### PRODUCT RANGE

Part Number	Code	IP	CCT*	Luminous Flux			Luminous Efficacy	CRI**	R9	duv***
B2835-24V-240-10mm-23W-2400K-IP22-HOS	LM21423-01	IP22	2400K (Soft White)	569 lm/ft	1867 lm/m	7468 lm/roll	81 lm/W	97.1	89	0.0028
B2835-24V-240-10mm-23W-2700K-IP22-HOS	LM21423-02	IP22	2700K (Soft White)	581 lm/ft	1906 lm/m	7625 lm/roll	83 lm/W	97.6	94	0.0006
B2835-24V-240-10mm-23W-3000K-IP22-HOS	LM21423-03	IP22	3000K (Warm White)	590 lm/ft	1936 lm/m	7743 lm/roll	84 lm/W	98.2	97	-0.0002
B2835-24V-240-10mm-23W-3500K-IP22-HOS	LM21423-04	IP22	3500K (Bright White)	634 lm/ft	2080 lm/m	8320 lm/roll	91 lm/W	97.2	90	-0.0021
B2835-24V-240-10mm-23W-4200K-IP22-HOS	LM21423-05	IP22	4200K (Neutral White)	668 lm/ft	2192 lm/m	8767 lm/roll	95 lm/W	95.8	81	-0.0034
B2835-24V-240-10mm-23W-5300K-IP22-HOS	LM21423-06	IP22	5300K (Daylight)	762 lm/ft	2500 lm/m	10000 lm/roll	109 lm/W	96.6	88	0.0013

CCT\* - Correlated Color Temperature  
CRI\*\* - Colour Rendering Index  
duv\*\*\* - Black-body Curve Deviation

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# LHP - B2835-24V-240-10MM-23W-XXK-IPYY-HOS

## LED Engines



### FEATURES

- Lumen output: 668 lm/ft\*
- Single row, SMD 2835
- 73 LED/ft / 240 LED/m
- Width: 3/8 in / 10mm
- Length: 16.4ft / 5m
- 24V
- 7 W/ft / 23 W/m



24V LED ENGINE - IP22	QUANTITY
B2835-24V-240-10mm-23W-2400K-IP22-HOS	LM21423-01
B2835-24V-240-10mm-23W-2700K-IP22-HOS	LM21423-02
B2835-24V-240-10mm-23W-3000K-IP22-HOS	LM21423-03
B2835-24V-240-10mm-23W-3500K-IP22-HOS	LM21423-04
B2835-24V-240-10mm-23W-4200K-IP22-HOS	LM21423-05
B2835-24V-240-10mm-23W-5300K-IP22-HOS	LM21423-06

### CUSTOM OPTIONS:

SMD TYPE	INPUT VOLTAGE	LED DENSITY	STRIP WIDTH	RATED POWER	CCT	USAGE	LEAD IN / OUT	STRIP LENGTH	
B2835 - 2.8 x 3.5mm	24V - 24 volt	240 - 240 LED/m	10mm (3/8 in.)	23W/m (7 W/ft)	<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="display: flex; align-items: center;"><span style="width: 15px; height: 10px; background-color: #f4a460; border: 1px solid black;"></span> 2400K</div> <div style="display: flex; align-items: center;"><span style="width: 15px; height: 10px; background-color: #f9c996; border: 1px solid black;"></span> 2700K</div> <div style="display: flex; align-items: center;"><span style="width: 15px; height: 10px; background-color: #fde725; border: 1px solid black;"></span> 3000K</div> <div style="display: flex; align-items: center;"><span style="width: 15px; height: 10px; background-color: #fff176; border: 1px solid black;"></span> 3500K</div> <div style="display: flex; align-items: center;"><span style="width: 15px; height: 10px; background-color: #fff9c4; border: 1px solid black;"></span> 4200K</div> <div style="display: flex; align-items: center;"><span style="width: 15px; height: 10px; background-color: #fff176; border: 1px solid black;"></span> 5300K</div> </div>	IP22 - indoor dry location	<b>HW3</b> - Hardwire 36" <b>HW6</b> - Hardwire 72" <b>HW9</b> - Hardwire 108" <b>HWX</b> - Hardwire cust. <b>DC3</b> - DC plug 36" <b>DC6</b> - DC plug 72" <b>DC9</b> - DC plug 108" <b>DCX</b> - DC plug cust. <b>NO</b> - No lead	Custom length up to 420 inches.  Quick ship regular roll is 196 inches - 12 in HW only.	
<b>B2835</b>	<b>24V</b>	<b>240</b>	<b>10mm</b>	<b>23W</b>		<b>IP22</b>			
SMD TYPE	INPUT VOLTAGE	LED/M	WIDTH	W/M	CCT	USAGE	IN	OUT	LENGTH

\*NOTE: The light output is provided in lumens per foot, for a CCT of 4200K and no lens. Please refer to the optics page for CCT and translucency conversion factors.