GeoLite®

WARM-ON-DIM

2800 – 2200K

12V AC LED Festoon

GF1r4WPCXXWDS-12

1.4W 12V AC

Product Data Sheet

2511 Technology Drive – Suite 108, Elgin IL 60124. Tel: 847.783.0123 – Fax: 847.783.0130 – www.lynklabs.com

Direct Connect AC LED lighting technology

GeoLite® GF1r4WPCXXWDS -12

Description

GeoLite low voltage AC LED Festoon with Warm-On-Dim "WoD" technology is a fast, easy and reliable LED light source for lighting OEMs in need of LED solutions that offer direct low voltage connectivity with a 12V AC magnetic or BriteDriver electronic transformer.

Lynk's patented AC LED technology eliminates the requirement for an expensive, bulky and failure prone AC – DC power supply or driver. Delivering efficiency, reliability and a high power factor, GeoLite tape can be used by lighting manufacturers in many types of fixture as an effective replacement for energy hungry incandescent, Xenon or Halogen lamps. Additionally, the modules will dim with many popular leading and trailing edge phase cut dimmers designed for use with proper magnetic and BriteDriver electronic transformers**.**

The "WoD" feature can change CCT from cooler to warmer as the dimming level changes. This mimics the way a traditional light bulb or halogen lamp becomes warmer to look at as the light level reduces. WoD is a great feature for hospitality and residential applications

Look for the Lynk Labs name or this private label mark to ensure you are always backed by Lynk Labs high quality AC LED technology, IP, and reliability. Lynk Labs - Your AC LED Experts!

LLI®

Features

- Lower Cost & Increased Reliability with AC LEDs
- No Drivers - Operates directly with Low Voltage Electronic Transformers
- Dimmable - Works with most existing AC Dimmers
- Warm-On-Dim
- High Power Efficiency
- High Power Factor
- Significant Energy Savings
- Long Operating Life
- Reliable, Fast & Easy

Applications

- Linear Lighting
- Cove Lighting
- Under Cabinet Lights
- Step Lights
- Accent Lights
- Garden Lights
- Display Lights

2511 Technology Drive – Suite 108, Elgin IL 60124. Tel: 847.783.0123 – Fax: 847.783.0130 – www.lynklabs.com

Contents:

.

3. Mechanical Dimensions

GF1r4WPC42WDS-12	Length	Width	Height
Size in millimeters	44.5 mm	12.7 mm	12.7 mm
Size in inches	1.75”	0.5”	0.5”

4. Electrical & Optical Characteristics

ITEM	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Drive Voltage	Vf	12V AC	Vrms	7	12	13
Viewing Angle	2θ½		deg		140	
Typical Operating Power	W_T	If=117 mArms	W		1.4	
Luminous Flux (42WD) /m	Φ	Vf=12 Vrms	lm		90	
Luminous Efficacy (42WD)	η_v	Vf=12 Vrms	lm/w		66	

*Measurement Uncertainty of the Luminous Flux: ± 10%
*Values given are for specified drive current/voltage at 25℃ ambient temperature

MODEL NUMBER	min CCT	max CCT	CRI (full on)	VAC	POWER	LUMEN/m	lm/W
GF1r4WPC42WDS-12	2200K	2800K	80	12	1.4	90	66
GF1r4WPC52WDS-12	2200K	3000K	80	12	1.4	90	66

5. Absolute Maximum Ratings (@ Ta=25°C)

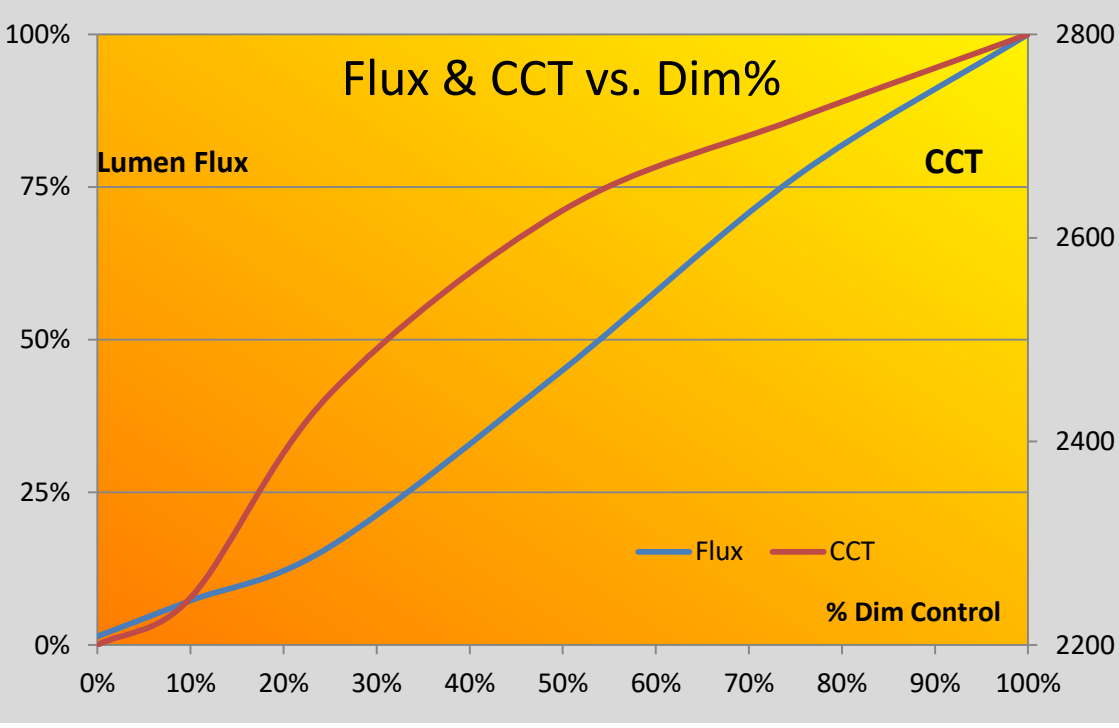
ITEM	SYMBOL	ABSOLUTE MAXIMUM RATING	UNIT
Power Dissipation/ m	Pd	1.8	W
A.C. Current	If	200	mArms
AC Voltage	Vf	13	V
Operating Temperature	To	-25 ~ +75	℃
Storage Temperature	Ts	-40 ~ +100	℃
Soldering Temperature(Hand)	Tsld	370	℃

6. Powering Specification

Power Supply/Driver	Output RMS	Frequency	Minimum	Dimming
BriteDriver™ (Recommended)	11.7 VAC	60/44k Hz	1 Watt	Phase Cut
12 VAC Magnetic	12 VAC	50/60 Hz	5 Watt	Phase Cut

Warning – Do Not Power SnapBrite Festoon with more than 12V AC. Use only with Lynk Labs' BriteDriver™ AC LED Power Supplies or other approved transformers. Any Exceptions Void all warranties. Contact Lynk Labs for details and approvals.

7. WoD Characteristic



2511 Technology Drive – Suite 108, Elgin IL 60124. Tel: 847.783.0123 – Fax: 847.783.0130 – www.lynklabs.com