



**GeoLite®**  
**WARM-ON-DIM**  
**3600K - 2800K**  
**IP65 Waterproof**  
**12V AC LED Tape Light**  
**GT1r2WPC42WD-12-IP65**  
**17.5W per m 840lm/m 12V AC**

Product Data Sheet





## Direct Connect AC LED lighting technology

# GeoLite® GT1r2WPC42WD-12 – IP65

## Description

GeoLite IP65 rated low voltage AC LED Tape Light with Warm-On-Dim technology delivers 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 transformers.

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 Warm-On-Dim "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!



## Features

- Lower Cost & Increased Reliability with AC LEDs
- IP65 water resistant rating
- No Drivers - Operates directly with Low Voltage Magnetic or BriteDriver 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



## Contents:

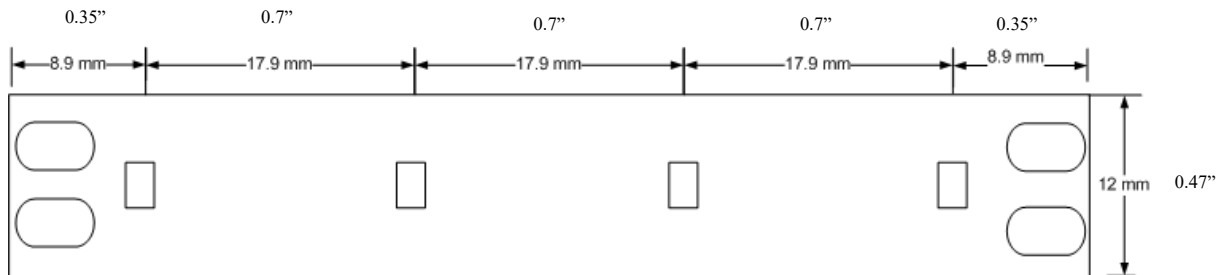
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### 3. Mechanical Dimensions

1 reel

GT1r2WPC42WD-12-IP65	Length	Width	Height	Segment
Size in millimeters	5000 mm	12 mm	1.5 mm	14 x 71.4 mm per m
Size in inches	197"	0.47"	0.059"	14 x 2.8" per 39.4"



Notes :

1. Tolerance is  $\pm 0.05\text{mm}$  unless otherwise noted.



#### 4. Electrical & Optical Characteristics

ITEM	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Drive Voltage	V <sub>f</sub>	12V AC	V <sub>rms</sub>	7	12	13
Viewing Angle	2θ <sub>1/2</sub>		deg		140	
Typical Operating Power / m	W <sub>T</sub>	I <sub>f</sub> =1620 mA <sub>rms</sub>	W		18	
Luminous Flux (42WD) /m	Φ	V <sub>f</sub> =12 V <sub>rms</sub>	lm		840	
Luminous Efficacy (42WD)	η <sub>v</sub>	V <sub>f</sub> =12 V <sub>rms</sub>	lm/w		47	
IP Rating					65	

\*Measurement Uncertainty of the Luminous Flux: ± 10%

\*Values given are for specified drive current/voltage at 25°C ambient temperature

MODEL NUMBER	min CCT	max CCT	CRI (full on)	VAC	POWER/m	LUMEN/m	lm/W
GT1r2WPC42WD-12 -IP65	2800K	3600K	80	12	18	840	47

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

ITEM	SYMBOL	ABSOLUTE MAXIMUM RATING	UNIT
Power Dissipation/ m	P <sub>d</sub>	20	W
A.C. Current	I <sub>f</sub>	1800	mA <sub>rms</sub>
AC Voltage	V <sub>f</sub>	13	V
Operating Temperature	T <sub>o</sub>	-25 ~ +75	°C
Storage Temperature	T <sub>s</sub>	-40 ~ +100	°C
Soldering Temperature(Hand)	T <sub>sld</sub>	370	°C



## 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 Tape 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

