



DuoStrip I033

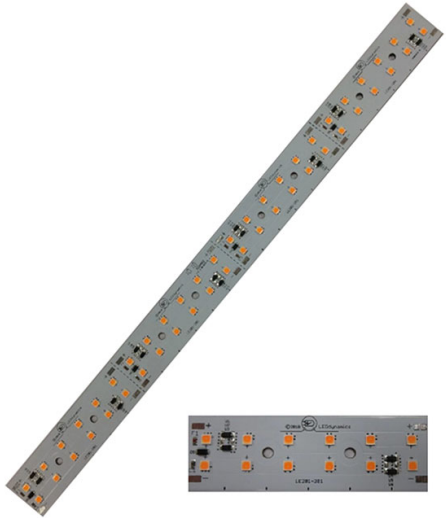
LED Light Engine Technical Data Information

Product Overview

The DuoStrip I033 is a 24VDC high brightness light engine strip with 48 LEDs per foot and delivering over 1,700 lumens. Capable of being cut every three inches, the individual segments can each be energized and function as standalone light engines whereby minimizing waste and maximizing versatility. With the ability to daisy-chain boards from 8 to 20 feet in total length, the DuoStrip can adapt to serve a wide variety of needs and applications.

Features

- Made in America design and quality
- DC input power up to 30 VDC
- Customization of specifications available
- Field cut capable every 3 inches
- Cut segments function as standalone light engines
- Daisy-chain capable up to eight foot lengths
- Integrated reverse polarity protection



Product		I033-N7XXX20	I033-N7XXX40	I033-N7XXX60
General	Shape	Rectangle		
	LED Count	48		
	Field Cut	Standalone light engines down to 3 inch sections		
	Daisy Chain Limit	Up to 20 feet	Up to 11 feet	Up to 8 feet
	Lumens ¹	598 to 637lm	1076 to 1146 lm	1623 to 1728 lm
	Beam Angle	120°		
	Optics	None		
	CCT	2700K to 6500K & Horticulture		
	CRI	80min & 90min		
Electrical	Colors	Blue, Green, Red, Yellow		
	Input Voltage	20V _{DC} min	24V _{DC} typ	30V _{DC} max
	Wattage	3.8 W typ	7.7 W typ	11.5 W typ
	Power Consumption	3.8 W/ft	7.7 W/ft	11.5 W/ft
Control	Efficacy ²	168 lm/W	149 lm/W	150 lm/W
	Dimming	Yes		
Environment	Type	PWM		
	Operating Temp	-40 to 80° C		
Mechanical	Storage Temp	-40 to 125° C		
	Connection	4 Solder Pads per section		
	Mounting Holes	8		
	Dimension	12.0 x 0.95 x 0.13 in (304.8 x 24.1 x 2.6 mm)		
Regulatory	Weight	0.29 oz (8.3 g)		
	Compliance	RoHS		
	Warranty	1 Year		

^{1,2} Calculated using white, non horticulture, LEDs.
* All specifications subject to change without prior notification.





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Technical Data Information

Ordering Information

Example: I033-N7H184040

Product ID	Manf	Family	Generation	CRI ¹	CCT ²	Drive Current
I033	Nichia	757	H1 G0	80+ 90+	2700K 3000K 3500K 4000K 5000K 6500K BLU GRN RED YEL H30 H50	20mA 40mA 60mA

Mechanical Drawings

¹ CRI does not apply to color LEDs; ² H30 and 50 are Horticulture 3000K and 5000K.

