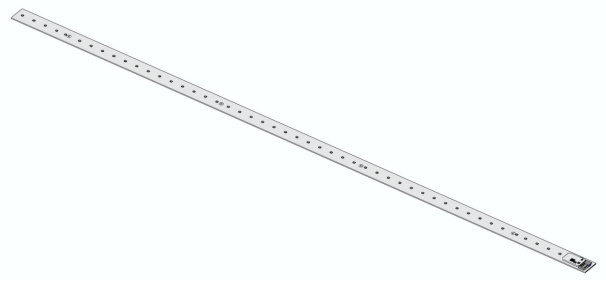
Application Note

Light Strip Application Options

Introduction



The ULE35000 SP is a versatile low profile light strip that can be customized for various applications. It is 45 inches long enabling it to be fitted into 48 inch set-ups and fixtures. Standard unit is powered by 24V DC supply connected through push-button terminal block. The LEDs are driven by a built-in constant current driver ensuring a consistent light output compensating for any eventual input variations. It has a PWM dimming input with a dimming range of 5% to 100%.
The unit is constructed with a high thermal conductive aluminum printed circuit board that can handle up to 40W without any additional heat-sink. The driver is fully encapsulated while the LEDs are conformal coated making it usable in damp environmental conditions.

Options and Applications

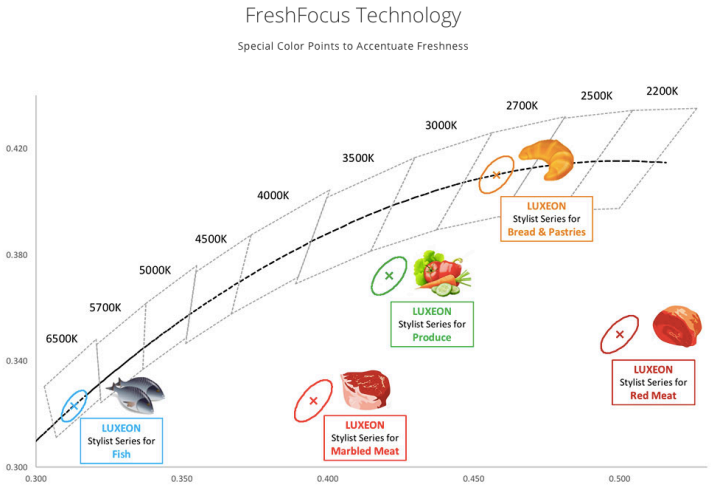
By using different LED types during construction the ULE35000 SP can be optimally used for different applications.

- Standard LEDs: CCT ranges from 2200ºK to 6500ºK with a minimum CRI of 70, 80 or 90. These are suitable for typical illumination applications. Its thin profile enables it to be positioned in confined space locations.

- Fresh Focus LEDs: These LEDs are color and CRI tuned for accentuating freshness and visual appeal different types of food. It is also IR and UV free keeping the merchandise fresher and prevents meat discoloration.

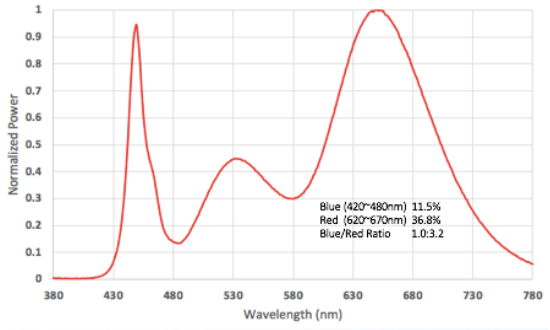
Choices are:

LED Type	Food Type
L128-PR	Vegetables & Fruits
L128-RM	Red Meat
L128-MM	Marbled Meat
L128-FS	Fish
L128-BD	Bread & Pastries



Source: Lumileds.com

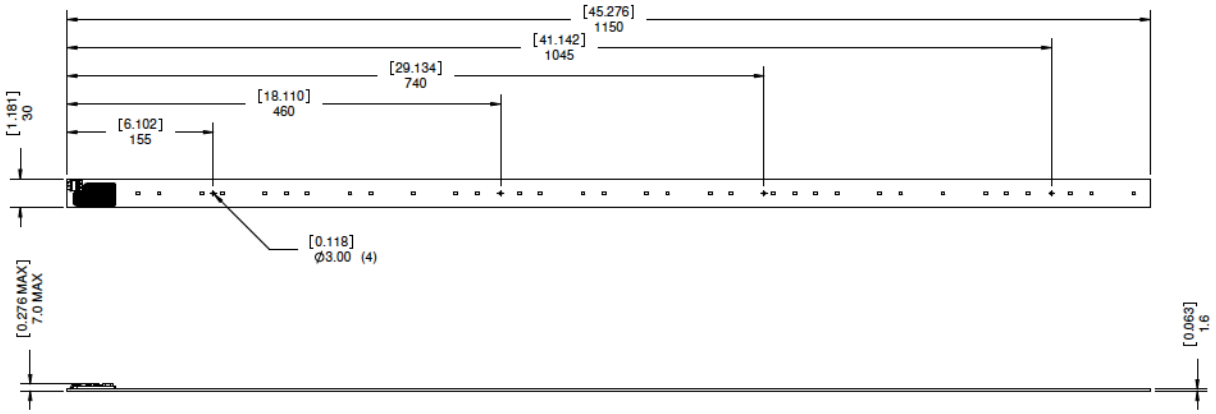
- Horticultural Lighting
  The L128-MM LEDs emits light in the Blue, Green and Red wavelengths. This is also ideal for plant growth. Since this combination is visually white light it is ideal for home farming, restaurant herb garden systems and display cases.



The SunPlus series of LEDs comes in different wavelengths as well as premixed Red/Blue ratios. Optimum selection can be easily made to suit the different types of plant types and growth.

Dimensions

[inches]
mm



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