



Spectral Enhancing Meat Lighting

Lumenal has developed the Spectral Enhancing range of LED luminaires specifically designed for the meat industry.

Our Meat Spectral Enhancing light engines use three 4000k (neutral white) diodes and a red LED next to each of the 4000k LED's that enhance the red colour of cooked and raw meats on display.

Due to the low amount of the red wave length in 4000K LED's by adding the red LED, the red colour is enhanced in the meat making it look appealing to customers.

The tightly tolerated and controlled selection process that Lumenal applies to the light emitting diodes used within our products, from market leaders Cree and SSC, will guarantee the consistency of the specially designed light colours, as well as brightness, throughout the lifetime of the fittings which is projected to be in excess of 50,000 hours constant use. This is roughly equivalent to 10 years of store trading hours and is a result of the fittings electronic and thermal design, combined with their inherent resistance to shocks and vibrations. Their robustness eliminates the maintenance costs of replacing blown lamps as well as the inconvenience of less effectively merchandised displays, because of poorly illuminated cabinets.

Benefits

- Spectral Enhancement technology brings out the red colour in meat
- Highly energy efficient
- Lightweight aluminium construction
- Bespoke lengths, delivered in "off the shelf" lead times
- Slim fitting & easy to install
- No UV and low IR
- Massively reduces energy costs
- Designed and Manufactured in the UK

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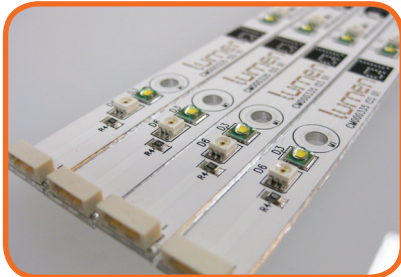
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Images



Pre-Installation



Red Meat ZX Board

Specification

Red Meat ZX Range

No. of LED's per 150mm	3x 4000k LED's and 3 Red LED's
Power (W)	4.2
CRI	80
Beam Width	X= 107° by y= 113°
Total Luminous Flux / 150mm	282.8
Efficacy (Lumens p/w)	67.3
Input Voltage	12V DC
Lengths Available	Min 200mm, Max 2120mm in 150mm increments.
Diffused Clear (LOR)	90%
Diffuser Frosted (LOR)	80%

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