



# PRIME

Linear

Show off your products in the best light

# PRIME

## Direct

The perfect fitting for retail environments, the Prime is designed with a double row of LED's, 70/30 split options and DALI-2 dimming integrations.

## Physical

### Dimensions

186mm W x 51mm H

### Finish Options

Powdercoat Black / White / Silver  
Wood Grain and Concrete

*Other powdercoat colours available upon request*

### Environmental

IP20

## Electrical

### Control Gear

Integrated

### Power Consumption Range

10.0 to 82.2 W/m

### Luminous Efficacy

Up to 132 Lm/W @ 4250 lm/m, 32.2 W/m, CRI 80+,  
T<sub>a</sub> 65°C, Diffused

### Lumen Maintenance

72,000 hours (L80/F10 at T<sub>a</sub> 25°C)

### Dimming Options

Fixed Output

1 - 10V

DSI

SwitchDIM

DALI-2

### Control Options

MasterConnect *refer to pg 2 for more information*  
Casambi

### Weight

4.3 kg/m

### Mounting Options

Wire Suspended

Rod Suspended

Surface Mounted

### Ambient Operating Temperature

T<sub>a</sub> 0° to 45°C

## Photometrics

### Flux Range

1350 to 10120 Lm/m @ 4000K, CRI 80+,

T<sub>a</sub> max 45°C, Diffused

#### Typical Lumen Packages

2620 lm/m, 20.4 W/m

3610 lm/m, 29.4 W/m

4250 lm/m, 32.2 W/m

5240 lm/m, 40.6 W/m

6240 lm/m, 50.2 W/m

*Other lumen packages available upon request*

### Distributions

Diffused

### Light Source

LED Boards

### Correlated Colour Temperature

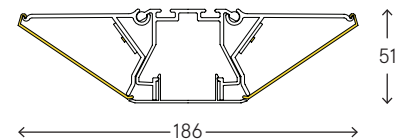
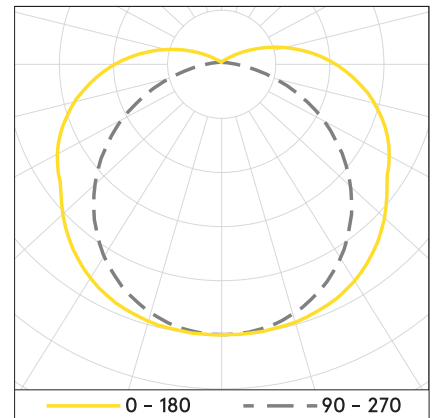
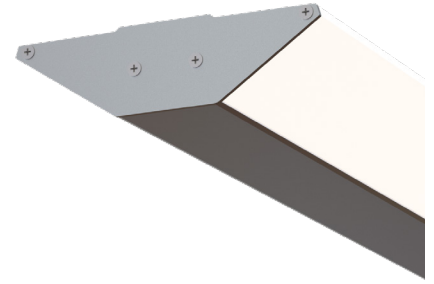
3000K/ 4000K/ 5000K

Tuneable (2700 - 6500K)

RGB, RGBW Tape available

### Colour Rendering Index

80+, 90+ available



*Optical and Electrical values are subject to a tolerance of +/- 10%.*

*Lumen Output values are "delivered" lumens, which take into consideration losses in the diffuser. These values are more relevant than source lumens, as luminaire efficiency is accounted for. Values given above are based on 4000K and T<sub>p</sub> of 65°C*

*All product specifications are correct at time of printing, and subject to change without notice.*

Options

Sensors  
Occupancy  
Daylight Harvesting



A lighting management ecosystem to allow businesses to easily optimise lighting comfort, save energy, gain valuable data insights and cost effectively scale to their environment as business needs evolve.

Additional Info

Warranty  
Product  
5 Years  
Terms and conditions apply

MacAdam Ellipse  
3SDCM

Colour Rendering Index refer to Figure 1

R<sub>a</sub> 91

The CRI is a measure of the ability of a light source to accurately portray the colours of various objects in space. Originally consisting of 8 sample colours, the CRI now extends to 15 samples. R9 to R15 are special colours of high chroma; R9 evaluates red, whilst R15 is for skin tones.

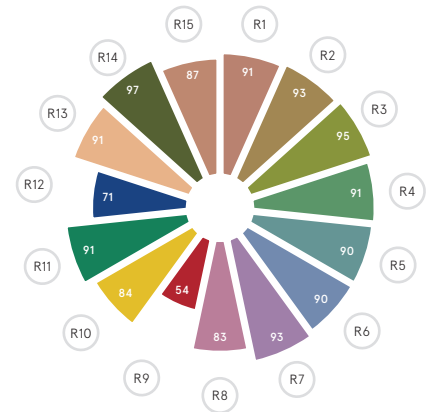


Figure 1- Colour Rendering Index for 4000K, 90CRI

TM30 refer to Figure 2

R<sub>f</sub> 90  
R<sub>g</sub> 99

IES TM-30 provides further metrics to assist in tailoring your lighting solution. The measured values quantify colour rendering in three main areas; observation (colour fidelity (R<sub>f</sub>)), intensity (colour gamut (R<sub>g</sub>)) and shift in intensity (colour vector graphics).

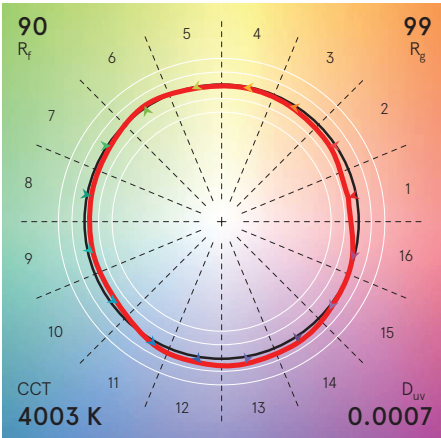


Figure 2 - Colour Vector Graphics for 4000K, 90CRI

Color Quality Scale refer to Figure 3

Q<sub>a</sub> 90

The CQS is a metric which involves several facets of colour quality, including colour rendering, chromatic discrimination and observer preferences. The scale uses fifteen highly saturated colours, chosen as they more accurately span the range of common object colours.

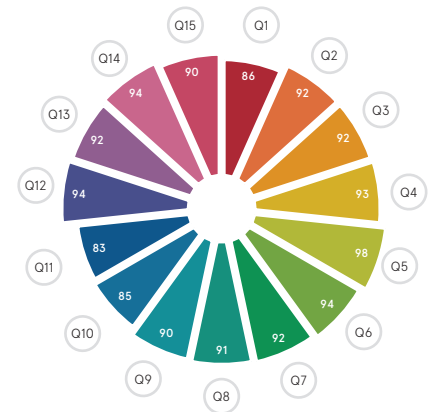


Figure 3 - Colour Quality Scale for 4000K, 90CRI

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# PRIME

## Specification Statement

Use the below statement for your schedules, specifications, or quotes.

Guide: Copy and paste into your document.  
Remove unwanted options in **Green**.  
Add custom data points where noted in **Blue**.

PRIME with 5 Year Product Warranty, as manufactured by mLight Pty Ltd. Product complete with LED boards with 3 SDCM, integrated **(DALI-2 / Fixed Output / 1-10V / DSI / SwitchDIM / Casambi / MasterConnect Ecosystem)** control gear, supports for **(Wire Suspended / Rod Suspended / Surface Mounted)**. Dimensions 186 mm wide x 51 mm tall x **(xxxx)** mm long, including endcaps. Finished in **(Black PC / White PC / Silver PC / Decorative Coating / Custom Colour)**, IP20 rated, Direct Light with diffused distribution, **(xxxx)** Lm/m, **(xxxx)** W/m, L80 F10 72,000 hrs at Ta 25°C. **mLight Touch shall be installed as per specification**. Installation as per MLight recommendations.

## Coding System

Use the below to code your solution for ease of quoting and discussing with our team.  
Start with **PRIME** and then follow on with additional codes.

EG: PRIME-SM-B-9-30-DIF-2620-MT-PH

| Mounting        | Code | Finish             | Code | CRI | Code | CCT / Light | Code | Direct Distribution | Code | Direct Lumen Package | Code | Dimming Option | Code   | Sensors            | Code |
|-----------------|------|--------------------|------|-----|------|-------------|------|---------------------|------|----------------------|------|----------------|--------|--------------------|------|
| Rod Suspended   | RS   | Black PC           | B    | 80+ | 8    | 3000 K      | 30   | Diffused            | DIF  | 2620                 | 2620 | DALI-2         | DALI-2 | Phillips (Default) | PH   |
| Wire Suspended  | WS   | White PC           | W    | 90+ | 9    | 4000 K      | 40   |                     |      | 3610                 | 3610 | Fixed Output   | FO     | Third Party*       | TP   |
| Surface Mounted | SM   | Silver PC          | S    |     |      | 5000 K      | 50   |                     |      | 4250                 | 4250 | 1-10V          | V      |                    |      |
|                 |      | Decorative Coating | D    |     |      | Tuneable    | TU   |                     |      | 5240                 | 5240 | DSI            | DSI    |                    |      |
|                 |      | Custom Colour      | C    |     |      | RGB         | RGB  |                     |      | 6240                 | 6240 | SwitchDIM      | SD     |                    |      |
|                 |      |                    |      |     |      | RGBW        | RGBW |                     |      |                      |      | Casambi        | CAS    |                    |      |
|                 |      |                    |      |     |      |             |      |                     |      |                      |      | Master-Connect | MC     |                    |      |

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INTEGRATE LIGHT WITH LIFE, BEAUTIFULLY

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