



# LIGERA 80

## Modular

Configure your light, effortlessly.

# LIGERA 80 Modular

## Direct

Our modular lighting profile, Ligera, brings the versatility and simplicity you need in top-notch class at an affordable price. Powered with high end and intelligent technology, Ligera offers you convenience to achieve an affordable and well-lit space anywhere. Perform any imaginable configuration and install with various mounting options as you require.

## Physical

### Dimensions

80 mm W x 96 mm H

### Finish Options

Powdercoat Black / White / Silver

### Environmental

IP20

IP55 *restrictions apply*

### Weight

4.0 kg/m

### Mounting Options

Wire Suspended  
Surface Mounted  
Wall Mounted  
Rod Suspended

### Ambient Operating Temperature

T<sub>a</sub> 0° to 35 °C

## Electrical

### Control Gear

Integrated *Flicker free*

### Power Consumption Range

5.0 to 45.0 W/m

### Luminous Efficacy

Up to 126 Lm/W @ 1200 lm, 9.5 W/m, T<sub>c</sub> 65°C,  
*Diffused*

### Lumen Maintenance

72,000 hours (L80/B10 at 25°C)

### Dimming Options

Fixed Output  
SwitchDIM  
DALI-2

## Photometrics

### Flux Range

630 to 4850 lm/m @ 4000K, CRI 80+,  
T<sub>a</sub> max 35°C, *Diffused*  
*typical lumen packages - see page 5 for details*  
*other lumen packages available upon request*

### Distributions *see page 5 for details*

Diffused  
Microprismatic Glare Control UGR<19  
Indirect *refer to page 4*

### Light Source

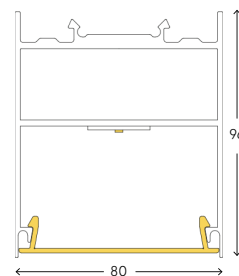
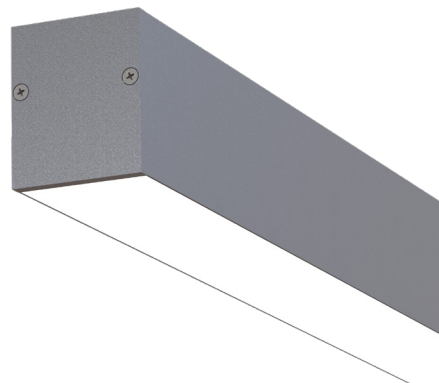
LED Boards *SDCM<3*

### Correlated Colour Temperature

3000K/ 4000K/ 5000K

### 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>c</sub> of 65°C*

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# LIGERA 80 Modular

## Recessed

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## Physical

### Dimensions

104 mm W x 90 mm H

### Weight

3.5 kg/m

### Finish Options

Powdercoat Black / White / Silver

### Mounting Options

Recessed

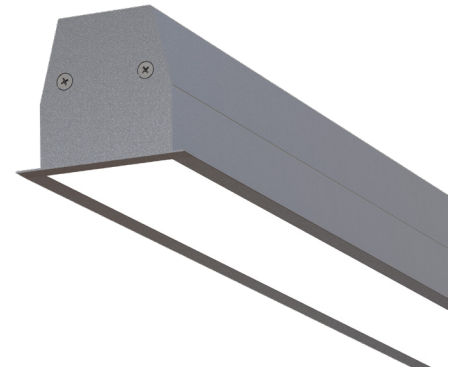
### Environmental

IP20

IP55 restrictions apply

### Ambient Operating Temperature

T<sub>a</sub> 0° to 35 °C



## Electrical

### Control Gear

Integrated Flicker free

### Power Consumption Range

5.0 to 45.0 W/m

### Luminous Efficacy

Up to 126 Lm/W @ 1200 lm, 9.5 W/m, T<sub>c</sub> 65°C, Diffused

### Lumen Maintenance

72,000 hours (L80/B10 at 25°C)

### Dimming Options

Fixed Output

SwitchDIM

DALI-2

## Photometrics

### Flux Range

630 to 4850 lm/m @ 4000K, CRI 80+,

T<sub>a</sub> max 35°C, Diffused

typical lumen packages - see page 5 for details

other lumen packages available upon request

### Distributions see page 5 for details

Diffused

Microprismatic Glare Control UGR <19

### Light Source

LED Boards SDCM<3

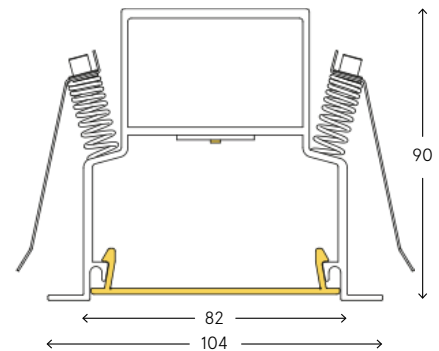
### Correlated Colour Temperature

3000K/ 4000K/ 5000K

### 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>c</sub> of 65°C

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# LIGERA 80 Modular

## Indirect

Our modular lighting profile, Ligera, brings the versatility and simplicity you need in top-notch class at an affordable price. Powered with high end and intelligent technology, Ligera offers you convenience to achieve an affordable and well-lit space anywhere. Perform any imaginable configuration and install with various mounting options as you require.

## Physical

### Dimensions

80 mm W x 96 mm H

### Finish Options

Powdercoat Black / White / Silver

### Environmental

IP20

### Weight

4.0 kg/m

### Mounting Options

Wire Suspended  
Wall Mounted  
Rod Suspended

### Ambient Operating Temperature

T<sub>a</sub> 0° to 35 °C

## Electrical

### Control Gear

Integrated Flicker free

### Power Consumption Range

Indirect Only

5.0 to 35.0 W/m

Direct and Indirect Combined

10.0 to 60.0 W/m

### Luminous Efficacy indirect

Up to 137 Lm/W @ 1000 lm, 7.3 W/m, T<sub>c</sub> 65°C

Diffused

### Lumen Maintenance

72,000 hours (L80/B10 at 25°C)

### Dimming Options

Fixed Output  
SwitchDIM  
DALI-2

## Photometrics

### Flux Range

Indirect Only

700 to 4380 lm/m @ 4000K, CRI 80+,

T<sub>a</sub> max 35°C, Diffused

With Direct; Indirect limited to

700 – 3250 lm/m for typical lumen  
packages

### Distributions see page 5 for details

Diffused

### Light Source

LED Boards SDCM<3

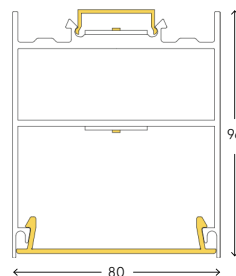
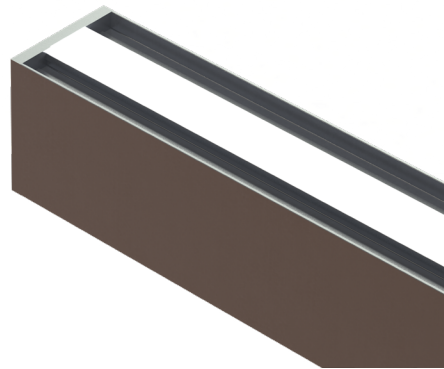
### Correlated Colour Temperature

3000K/ 4000K/ 5000K

### 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>c</sub> of 65°C

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# LIGERA 80 Modular

## Options

**Sensors**  
Occupancy  
Daylight Harvesting



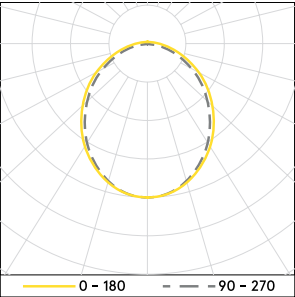
A lighting management ecosystem to allow businesses to easily optimise lighting comfort, save energy, gain valuable data insights and cost effectively scale to their environment as business needs evolve.

## Additional Info

**Warranty**  
Product  
5 Years  
*Terms and conditions apply*  
  
Maintained EMG 2 Years

## Configurations & Specific Data

### Diffused

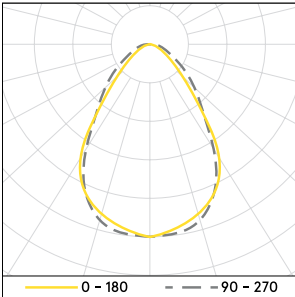


**Flux Range**  
630 to 4850 lm/m  
*\*Maximum limited to 3900 lm/m when combined with indirect*

**Typical Lumen Packages**  
1200 lm/m, 9.5 W/m  
1600 lm/m, 13.0 W/m  
2000 lm/m, 16.6 W/m  
2400 lm/m, 20.3 W/m  
2800 lm/m, 24.1 W/m

**Luminous Efficacy**  
Up to 126 lm/W @ 1200 lm, 9.5 W/m, T<sub>c</sub> 65°C

### Microprismatic

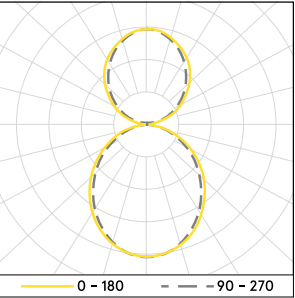


**Flux Range**  
600 to 4660 lm/m  
*\*Maximum limited to 3750 lm/m when combined with indirect*

**Typical Lumen Packages**  
1200 lm/m, 10.0 W/m  
1600 lm/m, 13.6 W/m  
2000 lm/m, 17.3 W/m  
2400 lm/m, 21.2 W/m  
2800 lm/m, 25.2 W/m

**Luminous Efficacy**  
Up to 120 lm/W @ 1200 lm, 10.0 W/m, T<sub>c</sub> 65°C

### Diffused-Up



**Flux Range**  
*Indirect Only*  
700 to 4380 lm/m @ 4000K, CRI 80+,  
T<sub>a</sub> max 35°C, Diffused  
*With Direct; Indirect limited to*  
700 – 3250 lm/m for

**Typical Lumen Packages**  
1000 lm/m, 7.3 W/m  
2000 lm/m, 14.6 W/m

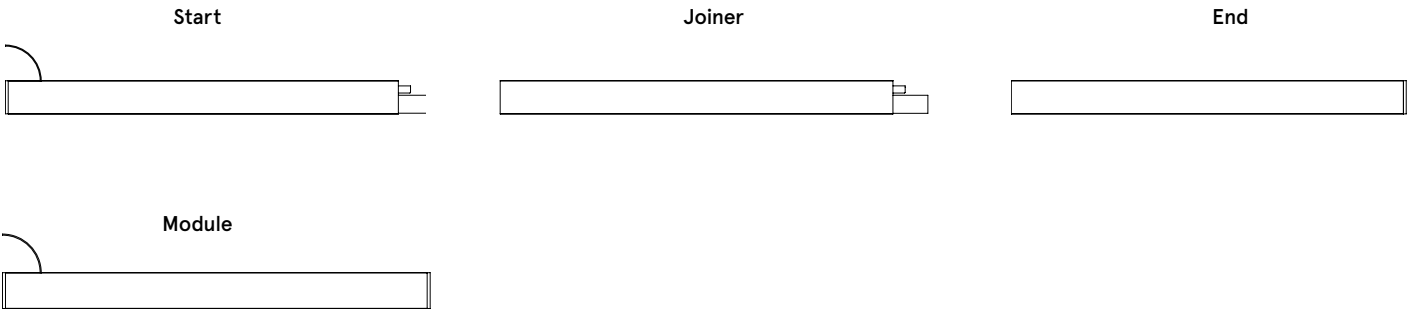
**Luminous Efficacy**  
Up to 137 lm/W @ 1000 lm, 7.3 W/m, T<sub>c</sub> 65°C



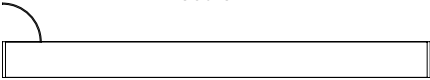
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# LIGERA 80 Modular

Configuration Table



Module



| Configuration |          | Start                 | Joiner                | End                   | Module                |
|---------------|----------|-----------------------|-----------------------|-----------------------|-----------------------|
| Primary       | 5 Board  | <b>5S</b><br>1411 mm  | <b>5J</b><br>1405 mm  | <b>5E</b><br>1411 mm  | <b>5M</b><br>1417 mm  |
|               | 10 Board | <b>10S</b><br>2816 mm | <b>10J</b><br>2810 mm | <b>10E</b><br>2816 mm | <b>10M</b><br>2822 mm |
| Increment     | 3 Board  | <b>3S</b><br>849 mm   | -                     | <b>3E</b><br>849 mm   | <b>3M</b><br>855 mm   |
|               | 4 Board  | <b>4S</b><br>1130 mm  | -                     | <b>4E</b><br>1130 mm  | <b>4M</b><br>1136 mm  |
|               | 6 Board  | <b>6S</b><br>1692 mm  | -                     | <b>6E</b><br>1692 mm  | <b>6M</b><br>1698 mm  |
|               | 7 Board  | <b>7S</b><br>1973 mm  | -                     | <b>7E</b><br>1973 mm  | <b>7M</b><br>1979 mm  |
|               | 8 Board  | <b>8S</b><br>2254 mm  | <b>8J</b><br>2248 mm  | <b>8E</b><br>2254 mm  | <b>8M</b><br>2260 mm  |
|               | 9 Board  | <b>9S</b><br>2535 mm  | -                     | <b>9E</b><br>2535 mm  | <b>9M</b><br>2541 mm  |
|               | 11 Board | <b>11S</b><br>3097 mm | -                     | <b>11E</b><br>3097 mm | <b>11M</b><br>3103 mm |
|               | 12 Board | <b>12S</b><br>3378 mm | <b>12J</b><br>3372 mm | <b>12E</b><br>3378 mm | <b>12M</b><br>3384 mm |

Configuration Codes

Use the above to code your solution for ease of quoting and discussing with our team.  
Configure the Ligera module to meet your length requirement.

EG:     **10S - 5J - 3E**  
          2816 + 1405 + 849 = **5070 mm**

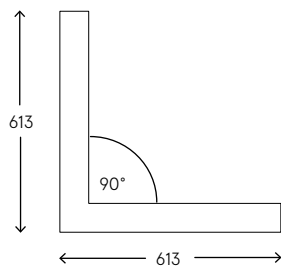
The lengths above are not representing the recessed option.

# LIGERA 80 Modular

## Mitre Module

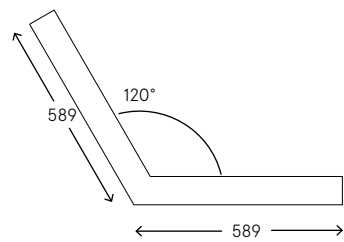
**Product**  
Mitre Module  
2-Way Insert

**Length Options**  
90° L Shape  
*See drawing below for length*



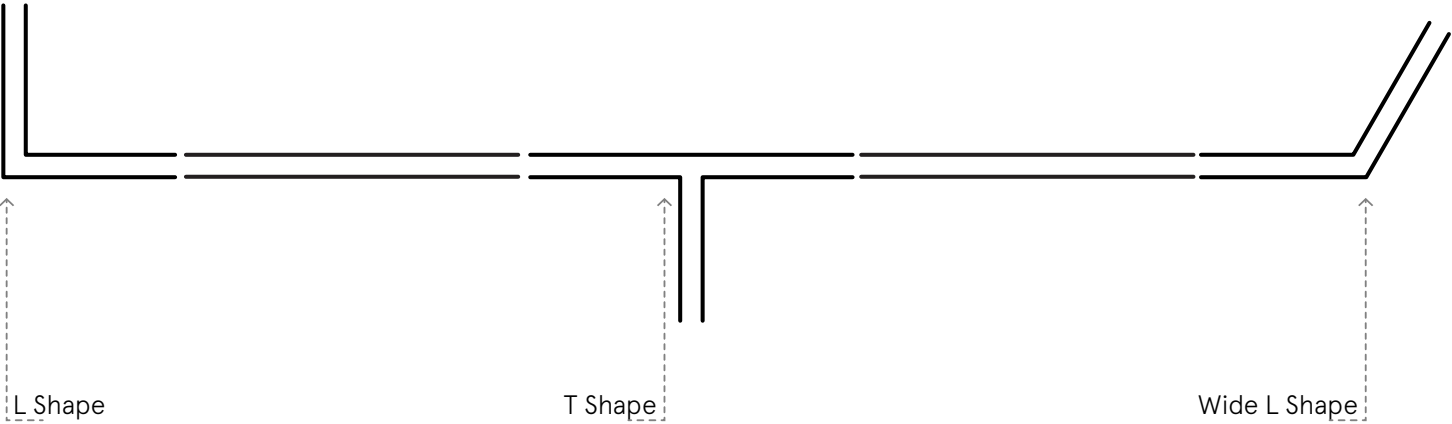
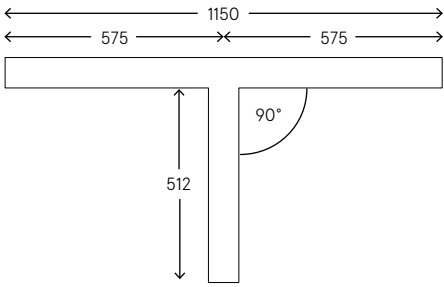
**Product**  
Mitre Module  
2-Way Insert

**Length Options**  
120° Wide L Shape  
*See drawing below for length*



**Product**  
Mitre Module  
3 Way Insert

**Length Options**  
90° T Shape  
*See drawing below for length*



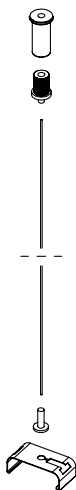
*The lengths above are not representing the recessed option.*

# LIGERA 80 Modular

## Suspension Kits

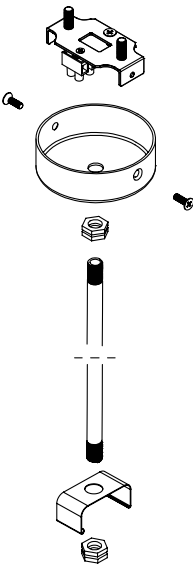
**Product**  
Wire suspension kit  
1.5, 3, 5 metre cables

**Finish Options**  
Silver



**Product**  
Rod suspension kit  
with 1.2 metre rods

**Finish Options**  
Powdercoat Black / White



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# LIGERA 80 Modular

## 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**.

LIGERA 80 with 5 Year Product Warranty, as manufactured by mLight Pty Ltd. Product complete with mConnect system Light Chamber, Installation Bracket, LED boards with 3 SDCM, integrated **(DALI-2 / Fixed Output / SwitchDIM)** control gear, supports for **(Wire Suspended / Rod Suspended / Surface Mounted / Wall Mounted / Recessed)**. Dimensions 50 mm wide x 78 mm tall x **(xxxx)** mm long, including endcaps. Finished in **(Black PC / White PC / Silver PC / Decorative Coating / Custom Colour)**, IP 20 rated, Direct Light with **(Diffused / Microprismatic Glare Control)** distribution, **(xxxx)** Lm/m, **(xxxx)** W/m, L80 F10 72,000 hrs at Ta 25°C. 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 **L80** and then follow on with additional codes.

EG: L80-RS-B-9-30-MPR-2800-D-UP-2000- FO

| Mounting        | Code | Finish    | Code | CRI | Code | CCT / Light | Code | Direct Distribution          | Code | Direct Lumen Package | Code | Indirect Distribution | Code | Indirect Lumen Package | Code | Dimming Option | Code |
|-----------------|------|-----------|------|-----|------|-------------|------|------------------------------|------|----------------------|------|-----------------------|------|------------------------|------|----------------|------|
| Rod Suspended   | RS   | Black PC  | B    | 80+ | 8    | 3000 K      | 30   | Diffused                     | DIF  | 1200                 | 1200 | Diffused-Up           | D-UP | 1000                   | 1000 | DALI-2         | DA2  |
| Wire Suspended  | WS   | White PC  | W    | 90+ | 9    | 4000 K      | 40   | Microprismatic Glare Control | MPR  | 1600                 | 1600 |                       |      | 2000                   | 2000 | Fixed Output   | FO   |
| Surface Mounted | SM   | Silver PC | S    |     |      | 5000 K      | 50   |                              |      | 2000                 | 2000 |                       |      |                        |      | SwitchDIM      | SD   |
| Wall Mounted    | WM   |           |      |     |      |             |      |                              |      | 2400                 | 2400 |                       |      |                        |      |                |      |
| Recessed        | RM   |           |      |     |      |             |      |                              |      | 2800                 | 2800 |                       |      |                        |      |                |      |
| Combination     | CM   |           |      |     |      |             |      |                              |      |                      |      |                       |      |                        |      |                |      |

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# INTEGRATE LIGHT WITH LIFE, BEAUTIFULLY

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