



Energylight
NZ Solutions

energylight
knowledge | solutions

Overview



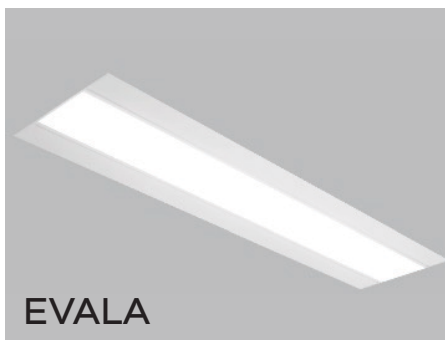
New Zealand Made Troffer Solutions

SUSTAINABILITY | SUPERIOR LIGHT QUALITY | BIOS BIOLOGICAL LIGHT



VILINE

Linear system for T-rail
1200x100mm / 600x100mm



EVALA

Low glare efficiency
1200x300mm / 600x600mm



VIFO

Visual comfort for Office
1200x300mm / 600x600mm

Sustainability



Energylight products built with sustainability at their core

At a time when the issue of climate change is becoming increasingly pressing, creating sustainable products is a priority for everyone, including us at Energylight. We believe the best way to be sustainable starts with products that are built to last, create real value and enhance the wellbeing of those within the lit environment.

Sustainable products reduce waste and provide synergy within our economy, environment and society. This is achieved by implementing operating methods, equipment use, and workplace structures in a way that safeguards the health of workers and the community in which we operate.

We aim to design, package and manufacture reliable products that look as good after ten years as the day they were installed and, at the end of life, can be pulled apart into their recyclable materials.

This is achieved through seven key areas and implemented by a diverse team of New Zealanders who are the heart of what we do.



Sustainability



Built to Last – Long-life, low-temperature LED, 100000h Driver, backed by a ten year factory warranty, will ensure longer life cycles, and reduces wastage.



Socially sustainable – We pay great attention to creating a healthy working environment with ample opportunities for professional growth. This is for the well-being of our workers and the community in which Energylight operates, as it is integral to sustainable development.



Material responsibility – Our products are red list free on request and have been through the TM65 carbon calculation framework, which quantifies the carbon emissions and environmental impact of a product's life cycle.



Sustainable and Effective Packaging – Resilient packaging means projects are less likely to require replacements due to damage in transit. Packaging is custom-made from cardboard.



Efficiency – Energylight products have an efficacy of up to 118 lm/W, reducing energy and quantity of luminaires required to achieve the desired lighting result.



Reusable – Components such as the driver and LED boards are easily replaceable, ensuring the luminaire body can continue to be reused.



End of Life – Material components are made from aluminium and bonded with screws and clips, without glue, ensuring they can be recycled at the end of life. We produce products that are typically over 99% recyclable and work with recycling partners to reduce as much waste as possible.

Superior Light Quality



In modern society we spend a significant part of our day indoors under an artificial LED light. With advancements in technology and design, Energylight products bring superior light quality to interior spaces.

Light Quality

4000K
CRI95

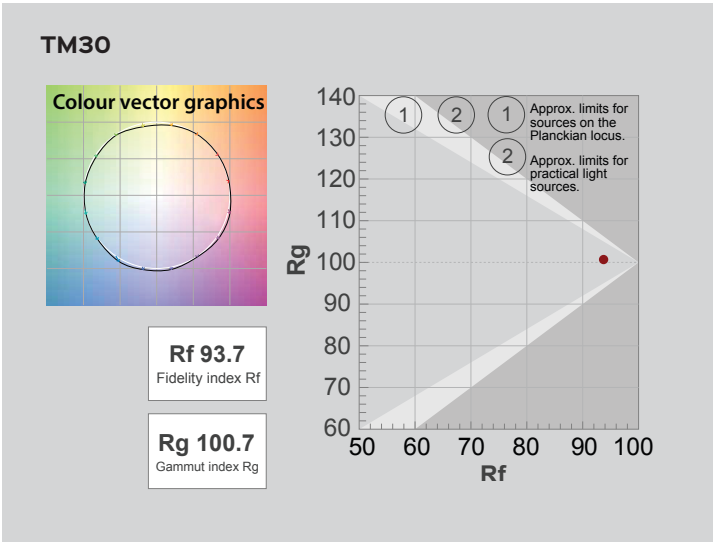
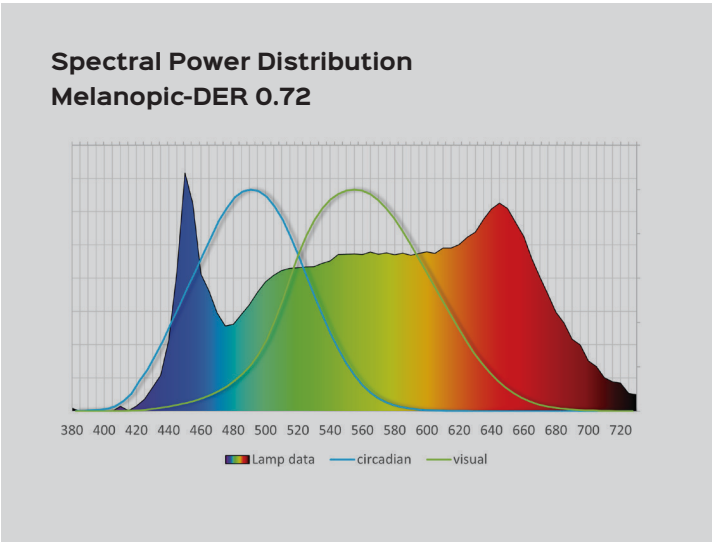
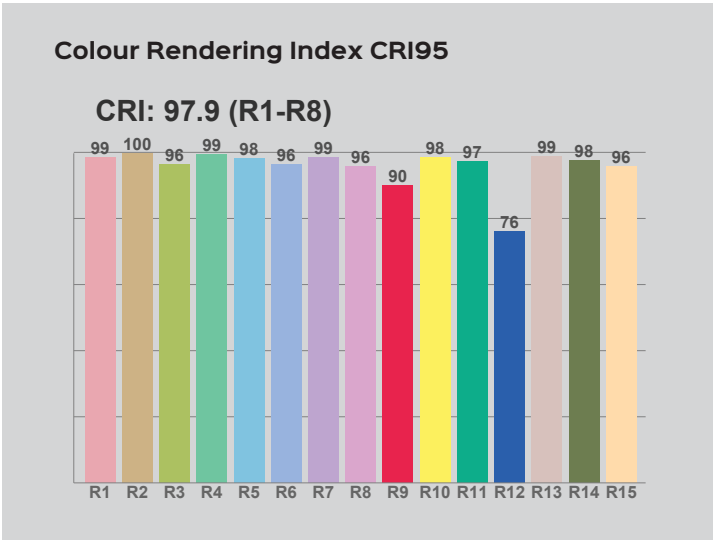
4000K CRI95

COI
Compliant

COI (Cyanosis Observation Index)
Cyanosis compliant COI 1.202 with CRI 90 4000K option.

R9>R80

Exceeding Ministry of Education's Designing Quality Learning Spaces (DQLS) requirements.



Biological Light



Brighter Days & Darker Nights

The human body has evolved over millennia to benefit from naturally bright days and dark nights over a 24-hour period. Unfortunately, today spending long hours indoors away from daylight has broken our relationship with this 24-hour sequence.

Energylight products enable designers to place biologically enhanced light into places where natural light does not easily reach, properly aligning people's circadian rhythms.

Benefits of biological light:



**Strengthens
Circadian Rhythm**



**Increases
Alertness**



**Enhances
Productivity**

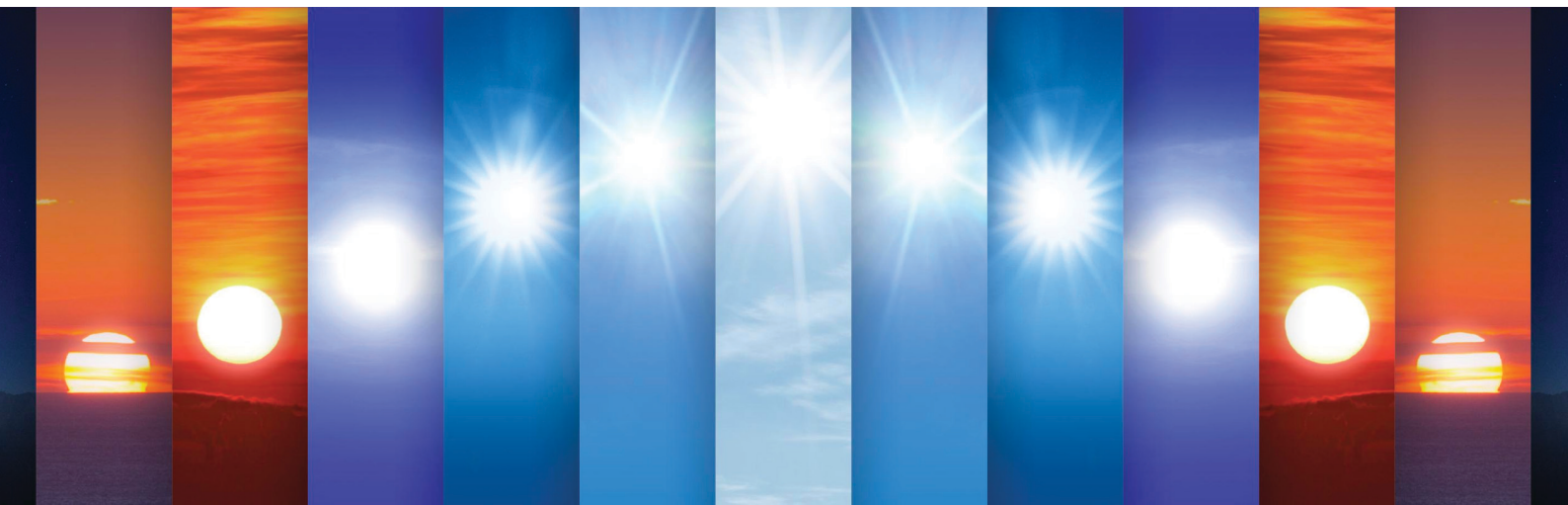


Boosts Mood



**Promotes Better
Sleep**

SkyBlue Tunable



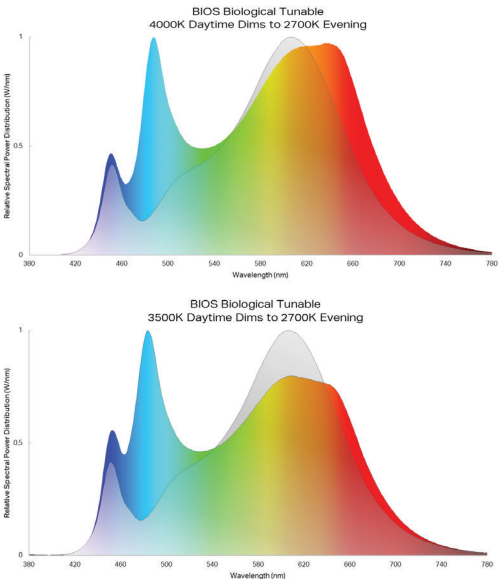
SkyBlue Tunable Spectrum

SkyBlue (490NM)

Energylight luminaires can be specified with BIOS SkyBlue lighting technology. Designed for human biology to promote better sleep, better energy—and better health. With this technology, colour rendering metric R9>90.

SkyBlue Technology brings the benefits of blue skies inside and is the only circadian lighting technology that includes a blue peak at 490nm.

It provides the most effective daytime circadian signal — giving you the industry's highest melanopic ratios at 3500K and 4000K architectural colour temperatures.



SkyBlue Melanopic Ratio Summary

| | 3500K SkyBlue (DAYTIME) | 4000K SkyBlue (DAYTIME) | 2700K No SkyBlue (NIGHTTIME) |
|-------------------------------------|-------------------------------|-------------------------------|------------------------------------|
| WELL™ MELANOPIC RATIO | 0.83 MR | 0.92 MR | 0.47 MR |
| CIE S 026 MELANOPIC RATIO | 0.74 m-DER | 0.83 m-DER | 0.42 m-DER |

WELL™

System for measuring features of the built environment that impact human health and well-being.

EML — Equivalent Melanopic Lux
MR — Melanopic Ratio (also referred to as m-EER)

CIE S 026

International Commission on Illumination Standard.

m-EDI — Melanopic Equivalent Daylight Illuminance
m-DER — Melanopic Daylight Efficacy Ratio

WELL Building Standard™

SkyBlue lighting provides industry-leading LED technology that gives designers the tools they need to comply with WELL Building Standard™; Feature 54 v1 and Feature L03 v2.



LED
no
compromise

10 Year
Warranty

60598
AS/NZS

IP50

COI
compliant

Application

Low temperature, long life, sustainable light fixture designed for use at variable mounting heights in workplace, education, healthcare and community projects.

Installation

Flexibility of installation for recess in T-rail, plaster ceilings, surface mount or wire suspension.

Design

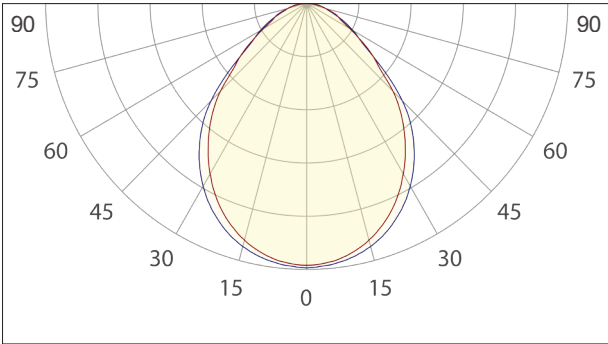
Homogenous microprism diffuser with excellent glare control, made in New Zealand.

Sustainability

Designed for long life with Tridonic/Philips/Osram remote driver for easy replacement. Easily reused with new components and recycled at end of life.

Specification Data

| | |
|------------------------------|---------------------------|
| Colour Temperature | 4000K |
| Colour Rendering | 95Ra, R9>80 |
| Weight | 1200mm 3.8kg, 600mm 2.2kg |
| LED Lifetime | L95 @50,000h |
| Driver Lifetime | 100,000h |
| Cyanosis (COI) | 0.171 (<3.3) |
| Flicker | PSTLM <1.0 SVM <0.4 |
| M/P Ratio m-EER (WELLS) | 0.81 |
| M/P Ratio m-DER (CIE S 0-26) | 0.73 |
| SDCM | 3-Step MacAdam |



Product Selector

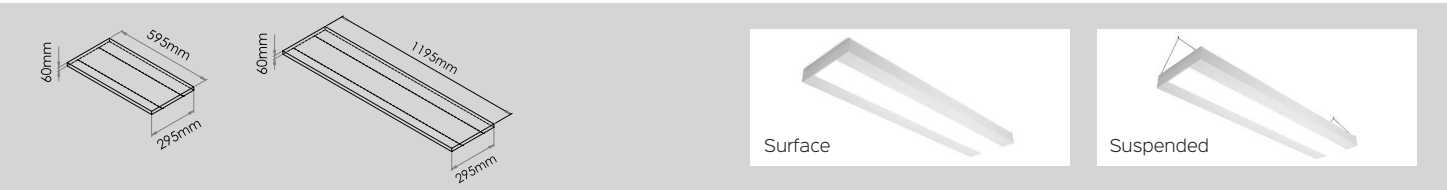
| Code | DALI | Casambi | Size (mm) | Lumens | (mA) | Wattage | (lm/W) | Application Notes |
|---------|------|---------|-----------|--------|------|---------|--------|--|
| EV12326 | /DD | /CA | 1200x300 | 2600 | 700 | 23 | 115 | MH 2.7m, 2.4x2.4m - Green Star Optimised, Workplace, Education, Healthcare |
| EV12330 | /DD | /CA | 1200x300 | 3000 | 800 | 26 | 115 | MH 2.7 - 3.0m, 2.4x2.7m - Workplace, Education, Healthcare |
| EV12333 | /DD | /CA | 1200x300 | 3300 | 900 | 29 | 114 | MH 3.0 - 4.0m, 2.4x2.7m - Workplace, Education, Healthcare |
| EV12350 | /DD | /CA | 1200x300 | 5000 | 1350 | 45 | 110 | MH >4.0m High Output - Retail, Detail work, Examination, Propose Dimming |
| EV06313 | /DD | /CA | 600X300 | 1300 | 325 | 12 | 104 | MH 2.7m - Green Star Optimised, Workplace, Education, Healthcare |
| EV06315 | /DD | /CA | 600x300 | 1500 | 375 | 14 | 106 | MH 2.7 - 3.0m - Workplace, Education, Healthcare |
| EV06317 | /DD | /CA | 600x300 | 1700 | 450 | 16 | 107 | MH 3.0 - 4.0m - Workplace, Education, Healthcare |
| EV06325 | /DD | /CA | 600x300 | 2500 | 675 | 23 | 109 | MH >4.0m High Output - Retail, Detail work, Examination, Propose Dimming |

Accessories

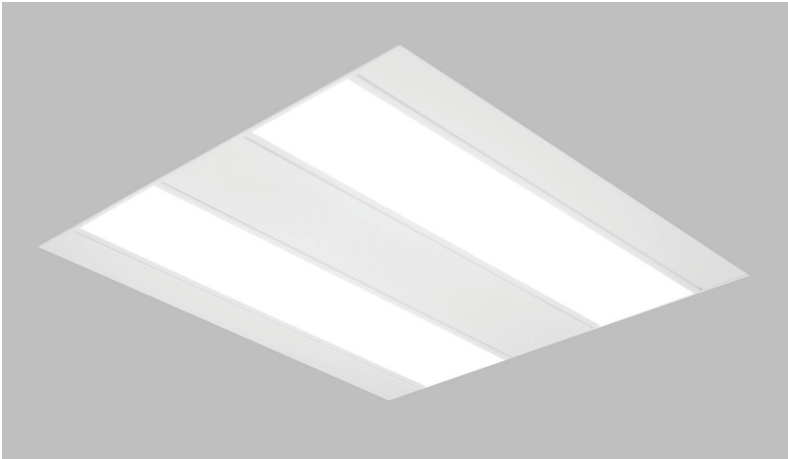
| |
|-------------------|
| Plaster Kit |
| Surface Mount Kit |
| Suspension Kit |
| Seismic Wire Kit |

Custom Options

| | |
|---|---------------------------------------|
| SkyBlue® Tunable Spectrum 27 - 40K | m-EER 0.47 - 0.92 m-DER 0.42 - 0.83 |
| SkyBlue® Tunable Spectrum 27 - 35K | m-EER 0.47 - 0.83 m-DER 0.42 - 0.74 |
| CCT, Colour, Output | |
| Red list free - Living Building Challenge | |



Product specification subject to change at any time.
Product and photometric specification subject to normal industrial tolerances -+10%
May23-5



LED
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AS/NZS

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Application

Low temperature, long life, sustainable light fixture designed for use at variable mounting heights in workplace, education, healthcare and community projects.

Installation

Flexibility of installation for recess in T-rail, plaster ceilings, surface mount or wire suspension.

Design

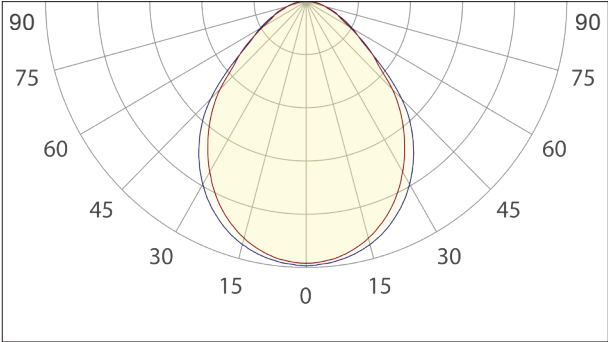
Homogenous microprism diffuser with excellent glare control, made in New Zealand.

Sustainability

Designed for long life with Tridonic/Philips/Osram remote driver for easy replacement. Easily reused with new components and recycled at end of life.

Specification Data

| | |
|------------------------------|-----------------------|
| Colour Temperature | 4000K |
| Colour Rendering | 95Ra, R9>80 |
| Weight | 3.7kg |
| LED Lifetime | L95 @50,000h |
| Driver Lifetime | 100,000h |
| Cyanosis (COI) | 0.171 (<3.3) |
| Flicker | PSTLM <1.0 SVM <0.4 |
| M/P Ratio m-EER (WELLS) | 0.81 |
| M/P Ratio m-DER (CIE S 0-26) | 0.73 |
| SDCM | 3-Step MacAdam |



Product Selector

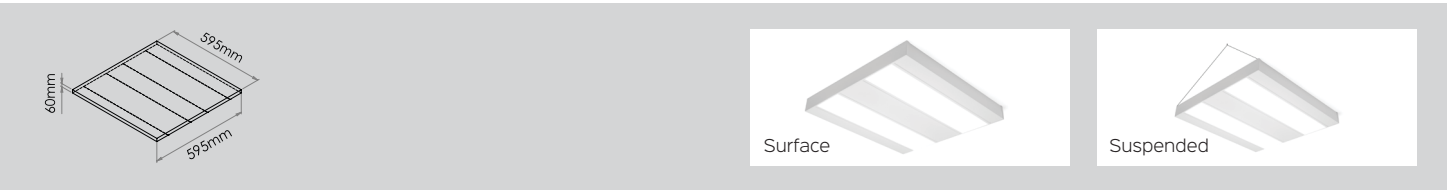
| Code | DALI | Casambi | Size (mm) | Lumens | (mA) | Wattage | (lm/W) | Application Notes |
|---------|------|---------|-----------|--------|------|---------|--------|--|
| EV06626 | /DD | /CA | 600x600 | 2600 | 700 | 23 | 113 | MH 2.7m, 2.4x2.4m - Green Star Optimised, Workplace, Education, Healthcare |
| EV06630 | /DD | /CA | 600x600 | 3000 | 800 | 26 | 115 | MH 2.7 - 3.0m, 2.4x3.0m - Workplace, Education, Healthcare |
| EV06633 | /DD | /CA | 600x600 | 3300 | 900 | 29 | 113 | MH 3.0 - 4.0m, 3.0x3.0m - Workplace, Education, Healthcare |
| EV06650 | /DD | /CA | 600x600 | 5000 | 1350 | 45 | 111 | MH >4.0m High Output - Retail, Detail work, Examination, Propose Dimming |

Accessories

| |
|-------------------|
| Plaster Kit |
| Surface Mount Kit |
| Suspension Kit |
| Seismic Wire Kit |

Custom Options

| | |
|---|---------------------------------------|
| SkyBlue® Tunable Spectrum 27 - 40K | m-EER 0.47 - 0.92 m-DER 0.42 - 0.83 |
| SkyBlue® Tunable Spectrum 27 - 35K | m-EER 0.47 - 0.83 m-DER 0.42 - 0.74 |
| CCT, Colour, Output | |
| Red list free - Living Building Challenge | |





LED
no
compromise

10 Year
Warranty

60598
AS/NZS

IP4X

UGR<19

Application

VIFO represents visual comfort for office. A smooth transition of brightness through a unique dual diffuser design provides a smooth transition from the central light chamber to ceiling. Control of luminance above 65° provides for UGR19 compliance for all lumen output options a perfect fit for office lighting.

Installation

Designed for recess in T-rail ceilings as standard or plaster ceiling with optional kit.

Design

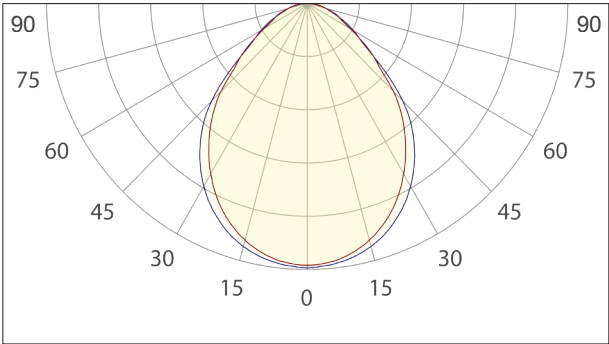
Lumen outputs tailored for workplace, designed and manufactured in New Zealand.

Sustainability

Highly efficient with low temperature LED's and aluminium body, provide for a long life, easily re-used or recycled at the end of life.

Specification Data

| | |
|------------------------------|-----------------------|
| Colour Temperature | 4000K |
| Colour Rendering | 95Ra, R9>80 |
| Weight | 3.7kg |
| LED Lifetime | L95 @50,000h |
| Driver Lifetime | 100,000h |
| Cyanosis (COI) | 0.212 (<3.3) |
| Flicker | PSTLM <1.0 SVM <0.4 |
| M/P Ratio m-EER (WELLS) | 0.79 |
| M/P Ratio m-DER (CIE S 0-26) | 0.72 |
| SDCM | 3-Step MacAdam |



Product Selector

| Code | DALI | Casambi | Size (mm) | Lumens | (mA) | Wattage | (lm/W) | Application Notes |
|---------|------|---------|-----------|--------|------|---------|--------|--|
| VF06626 | /DD | /CA | 600x600 | 2600 | 650 | 22 | 118 | MH 2.7m, 2.4x2.4m Green Star Optimised, Workplace, Education, Healthcare |
| VF06629 | /DD | /CA | 600x600 | 2900 | 750 | 25 | 116 | MH 2.7-3.0m, 2.4x3.0m Workplace, Education, Healthcare |
| VF06633 | /DD | /CA | 600x600 | 3300 | 850 | 29 | 113 | MH 3.0-4.0m, 3.0x3.0m Workplace, Education, Healthcare |

Accessories

| |
|-------------|
| Plaster Kit |
|-------------|

Custom Options

| | |
|---|---------------------------------------|
| SkyBlue® Tunable Spectrum 27 - 40K | m-EER 0.47 - 0.92 m-DER 0.42 - 0.83 |
| SkyBlue® Tunable Spectrum 27 - 35K | m-EER 0.47 - 0.83 m-DER 0.42 - 0.74 |
| CCT, Colour, Output | |
| Red list free - Living Building Challenge | |





LED
no
compromise

10 Year
Warranty

60598
AS/NZS

IP4X

COI
compliant

Application

Viline delivers visual comfort through linear lighting. Homogenous microprism diffuser provides low glare lighting for workplaces, education & healthcare facilities over workstations or down long corridors.

Installation

Designed for recess in standard T-Rail ceilings, 1200mm and 600mm lengths to configure with ceiling. 100mm wide requires additional T-rail to be installed with fixture.

Design

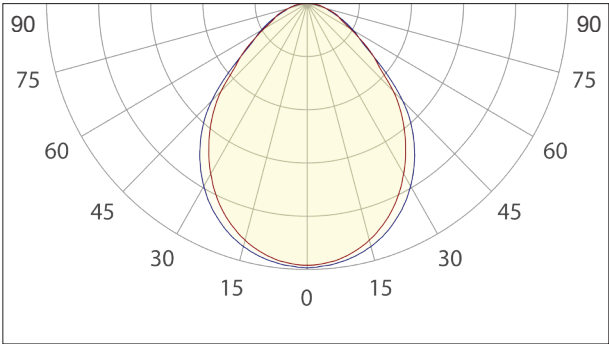
End-to-end mounting recessed in T-rail creates effective linear lighting. Only 100mm wide provides the linear effect and 1200 or 600 modules provide flexibility in layout and design.

Sustainability

Designed for long life with Tridonic/Philips/Osram remote driver for easy replacement. Easily reused with new components and recycled at end of life.

Specification Data

| | |
|------------------------------|---------------------------|
| Colour Temperature | 4000K |
| Colour Rendering | 95Ra, R9>80 |
| Weight | 1200mm 1.2kg, 600mm 0.7kg |
| LED Lifetime | L95 @50,000h |
| Driver Lifetime | 100,000h |
| Cyanosis (COI) | 0.156 (<3.3) |
| Flicker | PSTLM <1.0 SVM <0.4 |
| M/P Ratio m-EER (WELLS) | 0.8 |
| M/P Ratio m-DER (CIE S 0-26) | 0.72 |
| SDCM | 3-Step MacAdam |



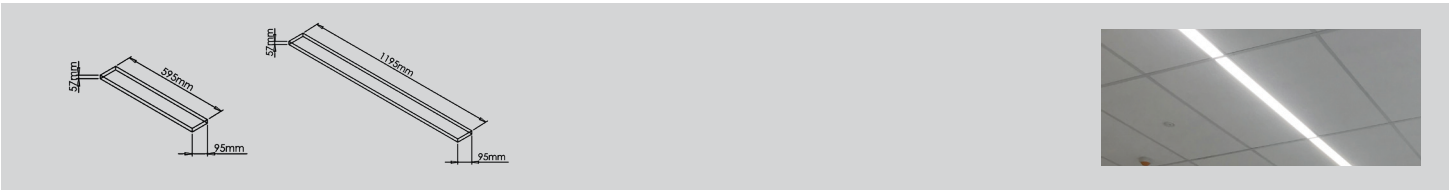
Product Selector

| Code | DALI | Casambi | Size (mm) | Lumens | (mA) | Wattage | (lm/W) | Application Notes |
|---------|------|---------|-----------|--------|------|---------|--------|--|
| VL12111 | /DD | /CA | 1200 | 1100 | 300 | 11 | 100 | MH 2.4m, End to End Mounting Circulation Space, Workplace, Healthcare, Education |
| VL12113 | /DD | /CA | 1200 | 1300 | 375 | 13 | 100 | MH 2.7m, End to End Mounting Circulation Space, Workplace, Healthcare, Education |
| VL12118 | /DD | /CA | 1200 | 1800 | 550 | 18 | 100 | MH 2.7m, End to End Mounting Workplace, Healthcare, Education |
| VL12127 | /DD | /CA | 1200 | 2700 | 800 | 26 | 103 | MH 3.0m, End to End Mounting Workplace, Healthcare, Education |
| VL06155 | /DD | /CA | 600 | 550 | 150 | 6 | 91 | MH 2.4m, End to End Mounting Circulation Space, Workplace, Healthcare, Education |
| VL06165 | /DD | /CA | 600 | 700 | 200 | 7 | 100 | MH 2.7m, End to End Mounting Circulation Space, Workplace, Healthcare, Education |
| VL06190 | /DD | /CA | 600 | 900 | 250 | 9 | 100 | MH 2.7m, End to End Mounting Workplace, Healthcare, Education |
| VL06113 | /DD | /CA | 600 | 1400 | 400 | 15 | 93 | MH 3.0m, End to End Mounting Workplace, Healthcare, Education |

Accessories

Custom Options

| | |
|---|---------------------------------------|
| SkyBlue® Tunable Spectrum 27 - 40K | m-EER 0.47 - 0.92 m-DER 0.42 - 0.83 |
| SkyBlue® Tunable Spectrum 27 - 35K | m-EER 0.47 - 0.83 m-DER 0.42 - 0.74 |
| CCT, Colour, Output | Custom Widths - 150mm & 200mm |
| Red list free - Living Building Challenge | |



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Product and photometric specification subject to normal industrial tolerances -+10%
May23-5

