

# ENERGYLINE LINEAR

## LIGHTING SYSTEM

Energyline Linear is optimised for projects requiring lighting in straight lines, microprism diffuser, UGR19 glare control with ceiling wash uplight optics for uniform ceiling illumination in workplace and learning environments.

### OUR APPROACH TO PRODUCT DESIGN

#### ATTENTION TO DETAIL

Designed for people to enjoy spaces, by people who care about visual comfort and wellbeing

Design life of 15+ years

Light tight end caps

Thorough quality assurance checks from start to finish

#### SUSTAINABILITY

The best way to be sustainable is to use a product that lasts.

High efficacy, up to 125lm/W

Sustainable aluminium

Recyclable packaging

#### RAPID INSTALLS

Quick and simple mounting systems reduce liability and ensure no LEDs are compromised

No need to remove the gear tray

Accu-Join delivers seamless joins

Retain ESD compliance

Delivered in clearly labelled sections

#### NO BUGS INSIDE

Same great finish in 10 years as the day luminaires are installed

IP5x as standard

No dust ingress

Light leak and diffuser expansion control



We believe sustainability starts with products that are built to last, create real value and change the lives of those who use them.

Sustainable products reduce waste and provide synergy with our economy, environment and society.

Our 10 year warranty serves as a promise that our NZ made products are free from defects in materials and workmanship.



# ENERGYLINE

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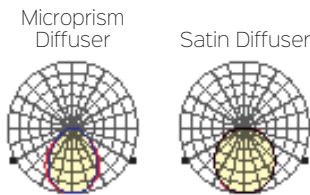
# ENERGYLINE LINEAR DIRECT

SURFACE | SUSPENDED

These steps explain how to specify your ENERGYLINE Linear. This system offers high performance and some customisation capability.

STEP ①	②	③	④	⑤	⑥	⑦	⑧
Length (mm)	Mounting method	Direct Diffuser	Direct Lumens/m	CRI	CCT	Controls	Colour
Specify required length or attach a drawing	Ceiling Surface	Microprism Diffuser	1000	80	3000K	Fixed Output	Texture White
	Wire Suspended	Satin Diffuser	1250 <sup>4</sup>	90	3500K	DALI Dimming	Black Sand
	Rod - Flat Ceiling		1500	95	4000K	Casambi Wireless	Custom
	Rod - Angle Ceiling		2000		2700-6500 TW	Other	
Lengths available in 280mm increments			3000 <sup>1</sup>		Other		
			Custom <sup>2</sup>				

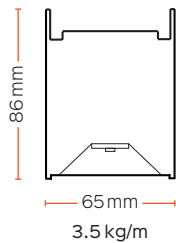
### DISTRIBUTIONS



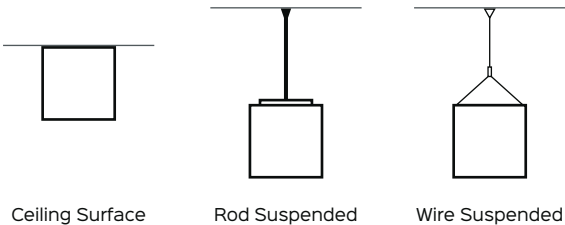
### WATTAGE INFO<sup>3</sup>

LUMENS/m	WATTAGE (W/m)
1000	9.1
1250	11.4
1500	13.7
2000	18.2
3000	27.3

### PROFILE DIMENSIONS



### MOUNTING



### IMPORTANT INFORMATION

EFFICACY	Up to 110 Lm/W
COLOUR	Consistent light quality within 3 MacAdams
LIFETIME	Greater than L80 B10 >72,000 hours
SWITCHING CYCLES	>100,000
IP PROTECTION	IP5x
WARRANTY	10 years
LIFETIME DRIVER	>100,000 hrs (standard outputs)
DESIGN LIFE	15+ years
COI CYONOSIS	<3.3 in 4000K CRI 90
MELONOPIC RATIO (MR)	Up to 1.1 in 6500K Tuneable White

### FACTORY NOTES

For information on upgrades/accessories, refer to our design guides

<sup>1</sup>May utilise high output lumen package light engine, consult factory for details

<sup>2</sup>Custom outputs available on request

Lumen maintenance values are calculated by IEC 62717:2014 incorporating (L) and (B). Allow 5% reduction in luminous flux for 3000K. Custom luminous fluxes available, consult factory.

<sup>3</sup>Estimates based on Dali dimmable 80Ra fittings with satin diffuser, values given are variable due to build configuration of lengths and drivers

<sup>4</sup>Microprism used in outputs up to 1250lm/m capable of UGR19 glare control



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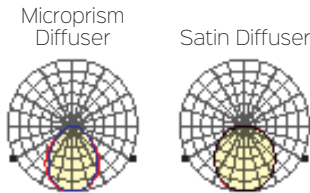
# ENERGYLINE LINEAR RECESSED

## RECESSED

These steps explain how to specify your ENERGYLINE Linear. This system offers high performance and some customisation capability.

STEP ①	②	③	④	⑤	⑥	⑦
Length (mm)	Direct Diffuser	Direct Lumens/m	CRI	CCT	Controls	Colour
Specify required length or attach a drawing	Microprism Diffuser Satin Diffuser	1000	80	3000K	Fixed Output	Texture White
		1250 <sup>4</sup>	90	3500K	DALI Dimming	Black Sand
		1500	95	4000K	Casambi Wireless	Custom
		2000		2700-6500 TW	Other	
Lengths available in 280mm increments		3000 <sup>1</sup>		Other		
		Custom <sup>2</sup>				

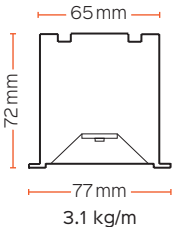
### DISTRIBUTIONS



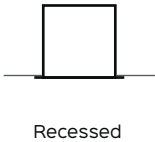
### WATTAGE INFO<sup>3</sup>

LUMENS/m	WATTAGE (W/m)
1000	9.1
1250	11.4
1500	13.7
2000	18.2
3000	27.3

### PROFILE DIMENSIONS



### MOUNTING



### IMPORTANT INFORMATION

EFFICACY	Up to 110 Lm/W
COLOUR	Consistent light quality within 3 MacAdams
LIFETIME	Greater than L80 B10 >72,000 hours
SWITCHING CYCLES	>100,000
IP PROTECTION	IP5x
WARRANTY	10 years
LIFETIME DRIVER	>100,000 hrs (standard outputs)
DESIGN LIFE	15+ years
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<sup>1</sup>May utilise high output lumen package light engine, consult factory for details

<sup>2</sup>Custom outputs available on request

Lumen maintenance values are calculated by IEC 62717:2014 incorporating (L) and (B). Allow 5% reduction in luminous flux for 3000K. Custom luminous fluxes available, consult factory.

<sup>3</sup>Estimates based on Dali dimmable 80Ra fittings with satin diffuser, values given are variable due to build configuration of lengths and drivers

<sup>4</sup>Microprism used in outputs up to 1250lm/m capable of UGR19 glare control



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# ENERGYLINE LINEAR DIRECT/INDIRECT

## SUSPENDED

These steps explain how to specify your ENERGYLINE Linear. This system offers high performance and some customisation capability.

STEP ①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
Length (mm)	Mounting method	Direct Diffuser	Direct Lumens/m	Indirect or Optic	% of Direct Lumens/m for Indirect*	CRI	CCT	Controls	Colour
Specify required length or attach a drawing	Wire Suspended	Microprism Diffuser	1000	Ceiling Wash	30%	80	3000K	Fixed Output	Texture White
	Rod - Flat Ceiling		1250 <sup>4</sup>		50%	90	3500K	DALI Dimming	
	Rod - Angle Ceiling	Satin Diffuser	1500		100%	95	4000K	Casambi Wireless	Black Sand
			2000		Custom		2700-6500 TW		
			3000 <sup>1</sup>					Other	Custom
Lengths available in 280mm increments			Custom <sup>2</sup>						

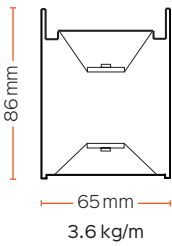
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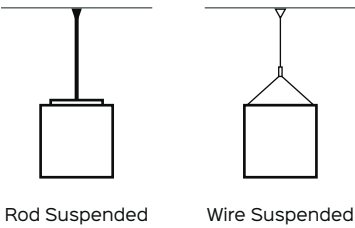
### WATTAGE INFO<sup>3</sup>

LUMENS/m DIRECT	WITH 50% UP (W/m)	WITH 100% UP (W/m)
1000		16.6
2000	25.9	33.2
3000	38.9	49.7

### PROFILE DIMENSIONS



### MOUNTING



### IMPORTANT INFORMATION

EFFICACY	Up to 125 Lm/W
COLOUR	Consistent light quality within 3 MacAdams
LIFETIME	Greater than L80 B10 >72,000 hours
SWITCHING CYCLES	>100,000
IP PROTECTION	IP5x
WARRANTY	10 years
LIFETIME DRIVER	>100,000 hrs (standard outputs)
DESIGN LIFE	15+ years
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<sup>1</sup>May utilise high output lumen package light engine, consult factory for details

<sup>2</sup>Custom outputs available on request

<sup>3</sup>For example, if 2000lm/m is selected for the down light component, 30% for the uplight will be 600lm/m; 50% for uplight will be 1000lm/m

Lumen maintenance values are calculated by IEC 62717:2014 incorporating (L) and (B). Allow 5% reduction in luminous flux for 3000K. Custom luminous fluxes available, consult factory.

<sup>4</sup>Microprism used in outputs up to 1250lm/m capable of UGR19 glare control



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