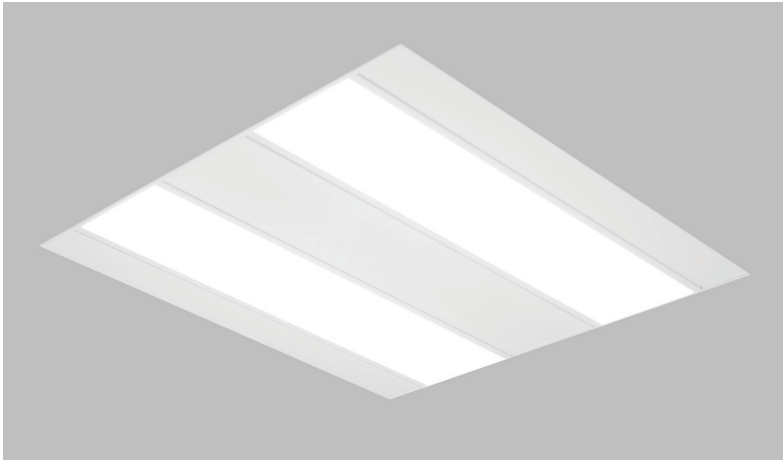


EVALA 600



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

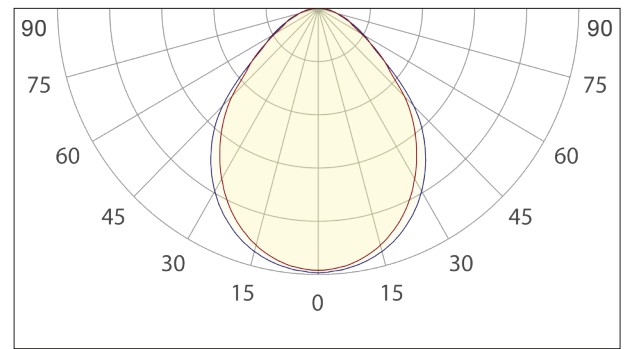
Homogenous microprism diffuser with excellent glare control, made in New Zealand.

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
MP Ratio m-EER (WELLS)	0.81
MP Ratio m-DER (CIE S 0-26)	0.73
SDCM	3-Step MacAdam



Product Selector

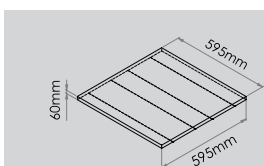
Code	DALI	Casambi	Size (mm)	Lumens	(mA)	Wattage	(lm/W)	Application Notes
EV06626	/DD	/CA	600x600	2600	700	23	113	MH 2.7m, 2.4x2.4m - Green Star Optimised, Workplace, Education, Healthcare
EV06630	/DD	/CA	600x600	3000	800	26	115	MH 2.7 - 3.0m, 2.4x3.0m - Workplace, Education, Healthcare
EV06633	/DD	/CA	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

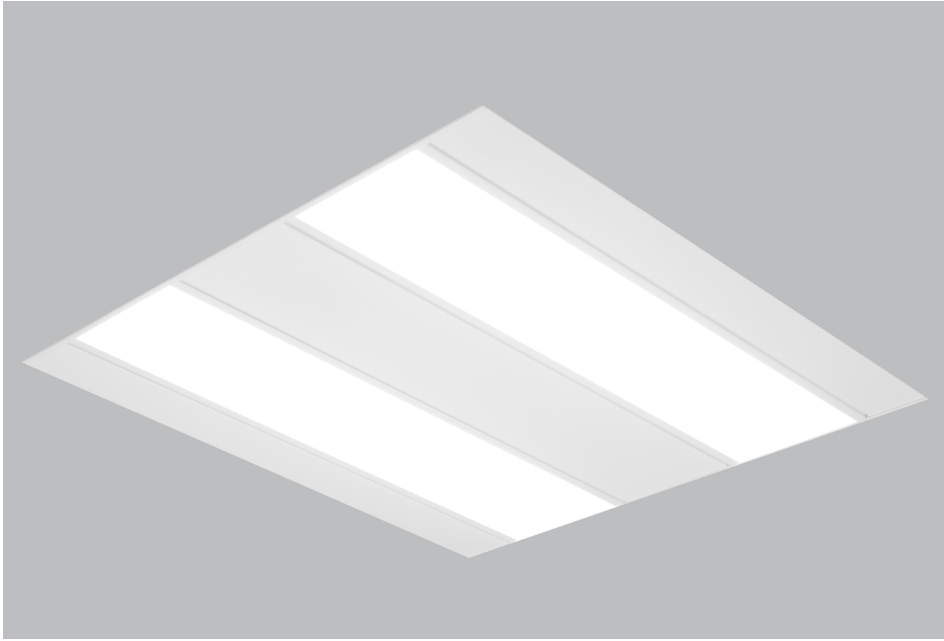
Accessories

- 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





DIMENSIONS
595x595mm

WEIGHT
3.7kg

COLOUR TEMPERATURE
4000K

COLOUR RENDERING
95Ra, R9>80

DIRECT OUTPUT
2600-5000lm

LED LIFETIME
L95 @50,000h

DRIVER LIFETIME
100,000h

WEIGHT AND COMPOSITION BY MATERIAL

Material	Weight (g)	Weight (%)	GWP (kgCO2e)
NZ ALUMINIUM	434.4	11.5	3.02
GLOBAL ALUMINIUM	1508.4	39.8	19.76
COPPER	23.2	0.6	0.09
PLASTICS	834.9	22.0	3.26
STEEL	22.3	0.6	0.07
ELECTRONIC COMPONENTS	478.4	12.6	16.59
CARD	486.0	12.8	0.90

Note: LED driver has been excluded. Driver EPD provided on request.

RESULTS

TM65 Calculation		
ASSESSMENT PARAMETER		GLOBAL WARMING POTENTIAL (GWP)
UNIT	-	[kg CO2 eq]
PRODUCTION	A1–A4	58.9
REPAIR	B3	0.915
END-OF-LIFE	C2–C4	0.589
TOTAL (x1.3 BUFFER)	A1–C4	60.4

TM65ANZ SUMMARY

TM65ANZ is an engineering standard published by the Chartered Institution of Building Services Engineers (CIBSE). It provides a clear and concise framework to estimate the embodied carbon of a product when environmental product declarations (EPD's) are not available. In order to appropriately use a TM65ANZ calculation it is important to understand the scope of the method.

Originally created in the United Kingdom, TM65ANZ is a branch of the TM65 standard for Australasian application. It provides additional assumptions that can be made to make the calculation process easier.

WHAT TM65ANZ IS

- A method for estimating the embodied carbon of building services equipment
- A first step to promoting transparency in the industry
- A reporting methodology
- A set of rules that allows the production of comparable metrics
- A simple, replicable methodology

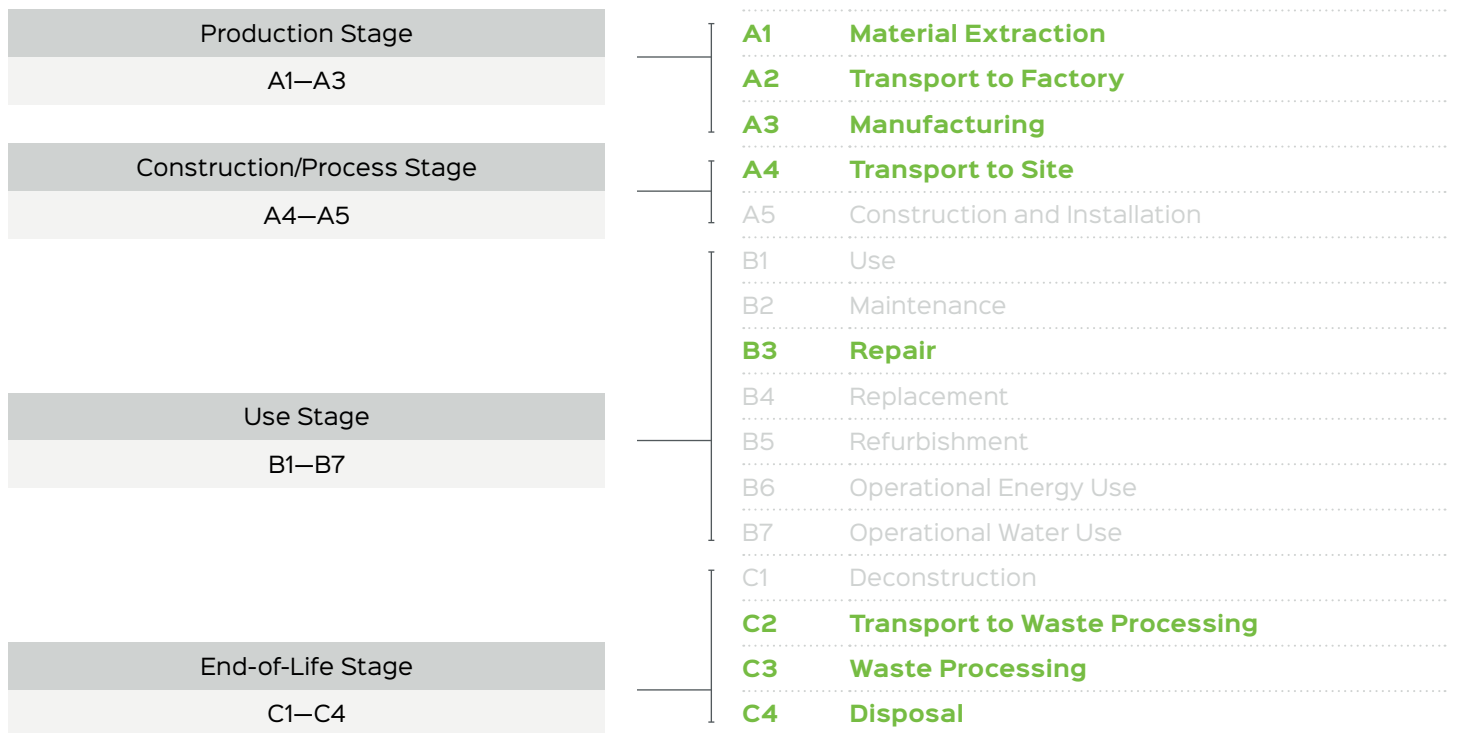
WHAT TM65ANZ IS NOT

- A detailed and holistic assessment of a product's environmental impacts
- An environmental product declaration (EPD)
- A peer-reviewed certification
- An exhaustive assessment of a product's materials
- A detailed life cycle assessment of building services at a system level

CALCULATION PROCESS

The calculation process is broken up into four main sections. Depending on the availability of information on the product, different levels of the TM65ANZ process can be undertaken including a 'basic' and 'mid-level' calculation. For this report a 'mid-level' calculation was done.

STAGES OF CALCULATION



All sections written in green text are included in a mid-level calculation

ASSUMPTIONS

The calculation for 'Transport to Site' was made based on land freight from Christchurch to Auckland.