VIFO 600

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 tranistion 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

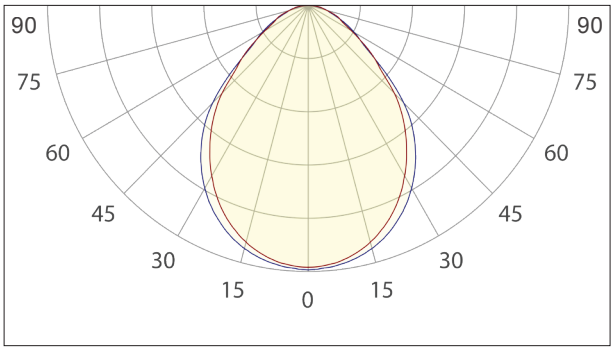
Lumen outputs tailored for workplace, designed and manufactured in New Zealand.

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 I 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

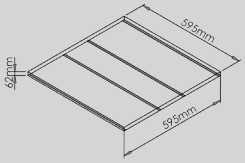
Code	DALI	Casambi	Size (mm)	Lumens	(mA)	Wattage	(lm/W)	Application Notes
VF06626	/DD	/CA	600x600	2600	650	22	118	MH 2.7m, 2.4x2.4m I Green Star Optimised, Workplace, Education, Healthcare
VF06629	/DD	/CA	600x600	2900	750	25	116	MH 2.7-3.0m, 2.4x3.0m I Workplace, Education, Healthcare
VF06633	/DD	/CA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

Accessories

Plaster Kit

Custom Options

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

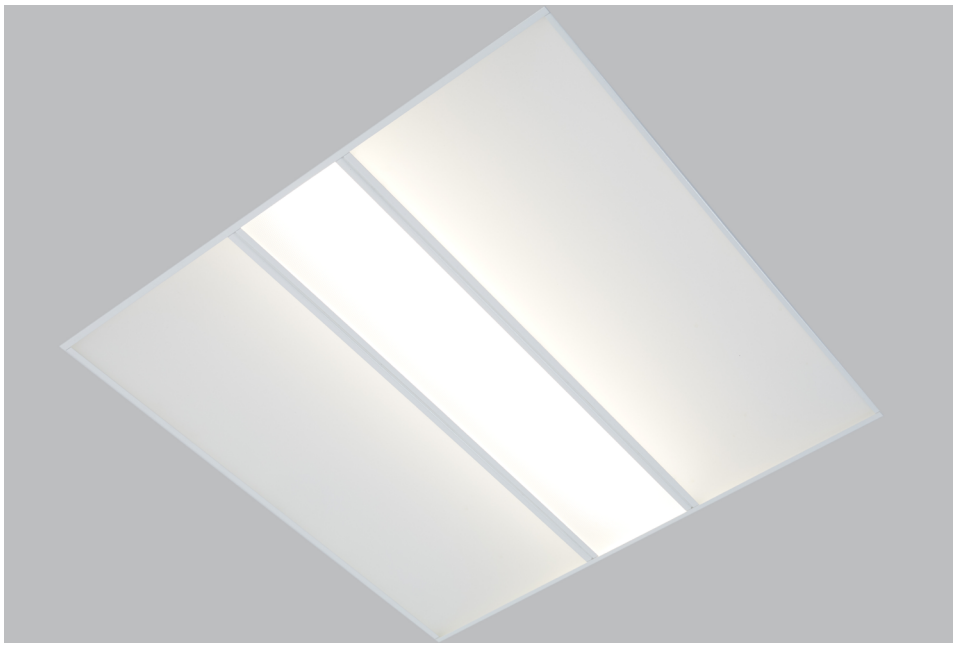


Product specification subject to change at any time.
Product and photometric specification subject to normal industrial tolerances -+10%
May23-5

energylight

VIFO 600x600

TM65ANZ



DIMENSIONS
595x595mm

WEIGHT
3.7kg

COLOUR TEMPERATURE
4000K

COLOUR RENDERING
95Ra, R9>80

DIRECT OUTPUT
2600-3300lm

LED LIFETIME
L95 @50,000h

DRIVER LIFETIME
100,000h

WEIGHT AND COMPOSITION BY MATERIAL

Material	Weight (g)	Weight (%)	GWP (kgCO2e)
NZ ALUMINIUM	149.6	5.2	1.04
GLOBAL ALUMINIUM	1145.8	39.5	15.01
COPPER	11.6	0.4	0.04
PLASTICS	741.5	25.6	4.85
STEEL	36.3	1.3	0.11
ELECTRONIC COMPONENTS	331.2	11.4	13.05
CARD	486.0	16.7	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	47.1
REPAIR	B3	1.09
END-OF-LIFE	C2—C4	0.447
TOTAL (x1.3 BUFFER)	**A1—C4**	**48.6**

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	WHAT TM65ANZ IS NOT
• A method for estimating the embodied carbon of building services equipment	• A detailed and holistic assessment of a product's environmental impacts
• A first step to promoting transparency in the industry	• An environmental product declaration (EPD)
• A reporting methodology	• A peer-reviewed certification
• A set of rules that allows the production of comparable metrics	• An exhaustive assessment of a product's materials
• A simple, replicable methodology	• 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

Production Stage	A1	**Material Extraction**
A1—A3	A2	**Transport to Factory**
	A3	**Manufacturing**
Construction/Process Stage	A4	**Transport to Site**
A4—A5	A5	Construction and Installation
	B1	Use
	B2	Maintenance
	B3	**Repair**
Use Stage	B4	Replacement
B1—B7	B5	Refurbishment
	B6	Operational Energy Use
	B7	Operational Water Use
	C1	Deconstruction
	C2	**Transport to Waste Processing**
End-of-Life Stage	C3	**Waste Processing**
C1—C4	C4	**Disposal**

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.