

MATRIX^{G4}

Panels

One panel, endless possibilities.




Flicker
Free


>90
CRI Colour
Rendering
Index


COI
Cyanosis
Compliant


EDU
Dept. of
Education &
Training
Compliant


UGR<19
Low
Glare

MATRIX^{G4}

Panels



SUSTAINABILITY

A **Greenstar compliant** solution that reduces energy costs and contributes to a greener, more sustainable future.



SUPERIOR PERFORMANCE

Exceptional brightness, uniformity, and colour accuracy for optimal lighting that promotes focus and minimises fatigue.



>90

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85,000hr

Projected Lifespan



5yr

Warranty

One panel, endless possibilities.



MATRIX G4 panels bring low glare light (UGR<19) and even illumination to classrooms, offices and medical facilities requiring Cyanosis compliance. Tritone adjustability and high efficiency (up to 124lm/w) make it a perfect, eye-friendly solution for learning, working and healthcare.

Features

- High Colour Rendering Index (CRI)
- Low Unified Glare Rating (UGR)
- Flicker-free driver
- Cyanosis compliant
- Tritone colour selectable
- Department of Education compliant

Benefits

- True colour definition to highlight natural colour
- Excellent lighting option for indoor workplaces
- Increases productivity and lowers eye strain
- Ensures fast and accurate detection of oxygen deficiency in patients
- Provides the choice of light hues from a single luminaire
- Certified for education applications



✓ HUMAN WELLBEING

With flicker-free technology and a low-glare diffuser, the MATRIX G4 promotes a healthier and more productive environment in office and educational facilities by reducing eye strain and enhancing concentration.



MATRIX^{G4}

Product Overview

POWER	LUMENS	EFFICACY	CCT	WEIGHT	SAP CODE	PRODUCT CODE
25 W	2902 / 2929 / 2802 lm	116 / 117 / 112 lm/W	4000 / 4500 / 5000 K	2.3 kg	2002455	MATX0312-PS-G4
28 W	3341 / 3391 / 3249 lm	121 / 121 / 116 lm/W				
32 W	3728 / 3815 / 3615 lm	116 / 119 / 113 lm/W				
36 W	4005 / 4157 / 3969 lm	111 / 115 / 110 lm/W				
25 W	3003 / 3045 / 2874 lm	120 / 122 / 115 lm/W	4000 / 4500 / 5000 K	1.96 kg	2002456	MATX0606-PS-G4
28 W	3457 / 3488 / 3315 lm	123 / 124 / 118 lm/W				
32 W	3845 / 3900 / 3691 lm	120 / 122 / 115 lm/W				
36 W	4088 / 4252 / 4063 lm	113 / 118 / 113 lm/W				
21 W	1863 / 1943 / 1931 lm	109 / 114 / 113 lm/W	4000 / 4500 / 5000 K	1.1 kg	2002457	MATX0306-20-G4
48 W	5629 / 5825 / 5597 lm	117 / 121 / 116 lm/W				

✓ VERSATILITY

Suitable for a wide range of applications

APPLICATIONS

Showrooms, Offices, Boardroom / Meeting Rooms, Function Areas, Education Facilities, Storage Rooms, Medical Facilities



WHAT IS CYANOSIS?

Cyanosis



Cyanosis, a condition where the skin or membranes turn bluish or purplish due to low oxygen saturation, is a critical visual symptom that medical professionals are trained to identify. Given its importance in detecting potential cardiac or respiratory issues, many educational and medical facilities are encouraged to use cyanosis-compliant lighting to ensure accurate observation and prompt diagnosis.

HOW DOES LIGHTING HELP?



Because cyanosis is a visual cue of a medical symptom based on observable colour, lighting conditions and light quality play a significant part in its visual detection. The detection of a 'bluing' of the skin depends largely on the accurate rendition of both 'normal' skin tones and blue hues, so it is particularly important that the light colour spectrum (and therefore, **Colour Rendering Index**) factors are considered when developing a lighting design.

CRI
(Colour Rendering Index)



CRI 98



✓ CRI 90



CRI 80

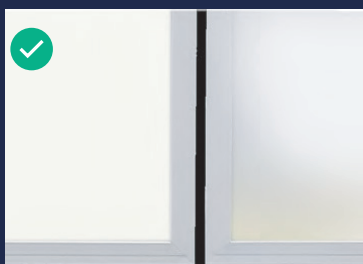
MATRIX^{G4}
Panels



ENHANCED DURABILITY

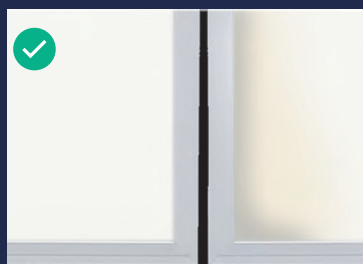
By using **back-lit technology**, the MATRIX G4 panel prevents yellowing and offers superior heat dissipation, reducing the likelihood of frame warping over time.

MATRIX^{G4}
Panels



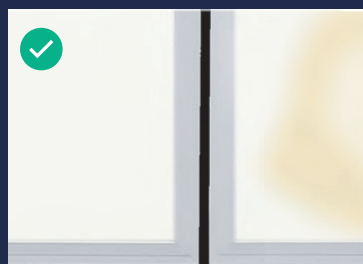
No Light
Leakage

MATRIX^{G4}
Panels



No Dark or Yellow
Edges

MATRIX^{G4}
Panels



No Yellowing
Panel





LIGHTING DESIGN CONSIDERATIONS



CRI 70

Interior Lighting Standard AS/NZS 1680.2.5:2018 covers 'Hospital and medical tasks', and it introduces the concept of lighting to support the observation of cyanosis. It also establishes the Cyanosis Observation Index (COI) as a measure of the ability of a light source to aid the detection of cyanosis in a patient.

Full requirements which include:

- ✓ Where it is decided that cyanosis observation is necessary, the lighting should have a colour temperature of between 3300K and 5300K and a COI of 3.3 or less.
- ✓ All members of the health care team should discuss and decide on which areas need to have lighting which meets these specifications.



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CRI Colour Rendering Index



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Make it a perfect, eye-friendly solution for learning, working & healthcare.

4000 / 4500 / 5000 K

Up to 124 lm/W



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Find out more



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