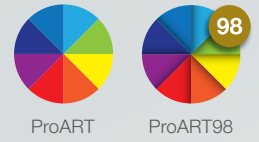


20230512



Demo Case

Ordering Code: DEMO.C-SINGLECCT.V1

Size: 300mm x 300mm x 85mm

Weight: ~966g

SINGLE CCT LED MODULES

This demo case includes 4.5W Coin LED modules with constant voltage (24CV) versions, single CCT, and optical lenses of different angles that can be interchanged for a customizable experience. Experience the difference in lighting quality with our demo case featuring a range of CRI options, including High Efficiency, ProART, and ProART98.

Schedule a demo to discover how the right lighting can enhance your project and bring your vision to life.



Compatible LED Module



Module Colour Temperature Variation



Driver Dimming Variation



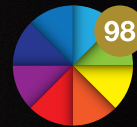
(ND)



Professional LED Module

CRI98

HIGHER REFLECTANCE OF COLOUR



ProART98
Ra~98

Single CCT LED modules in ProART98 are a series of professional colour quality LED modules that produces high colour accuracy and hues with high Colour Rendering Index of Ra~98 (R9~98), Colour Fidelity Index of Rf~93 and Gamut Index of Rg~99.

Single CCT
LED modules
in ProART98



Warm
2700K

Warm
3000K

Natural
3500K

Natural
4000K

Cool
5000K

COLOUR OPTIONS

LED modules are available in a variety of colour temperatures: warm white at 2700K & 3000K; natural white at 3500K & 4000K and cool white at 5000K.

WHITE COLOUR CONSISTENCY

Utilising advanced and systematic LED binning techniques, ELR ensures the white light is consistent across all LED modules, which are tightly controlled at 2-step MacAdam ellipse binning for consistent white light and aesthetically pleasing lighting effects.



Advanced Thermal
Protection System



Low Flicker, No Risk
(IEEE 1789)



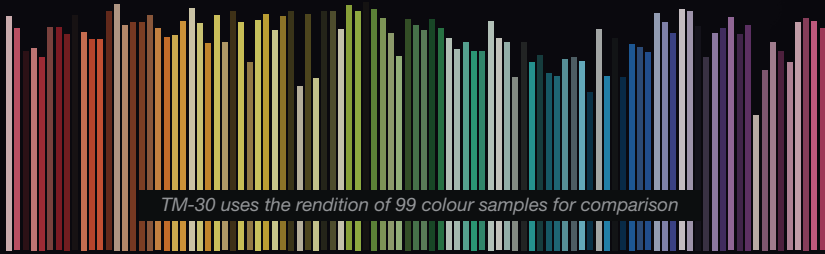
Durability
Long lifetime of more than
50,000 hours L80 lamp life



Converging Optical
Lens Maximising LOR

With the right selection of light colour temperature, the colour of illuminated objects will appear identical under natural daylight, perfect for showcasing applications such as retail or exhibits.

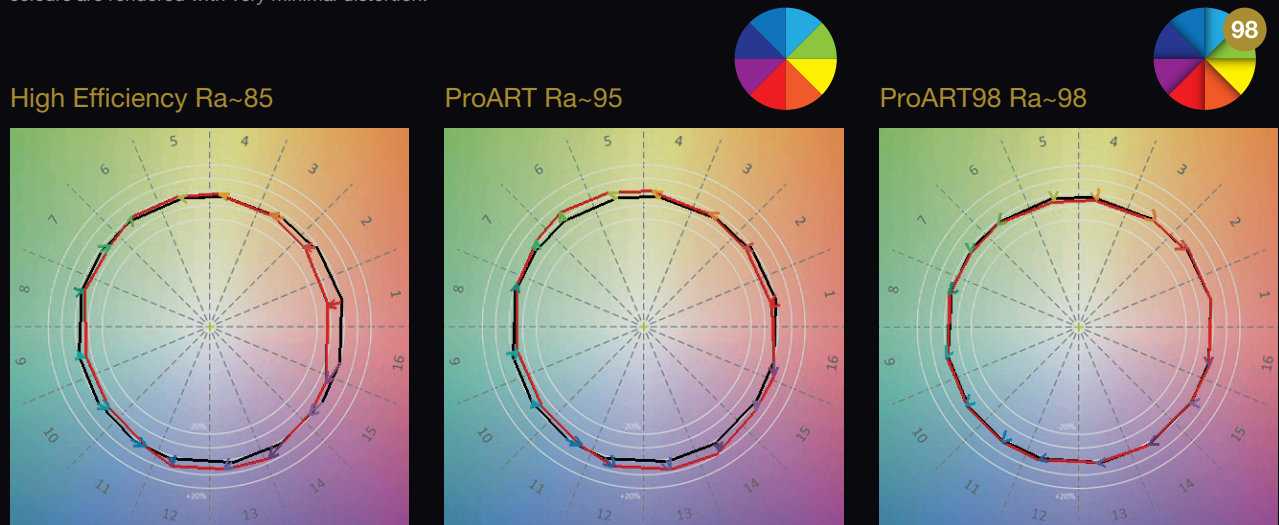
Colour Fidelity Index (Rf) refers to the accuracy of colour rendition so that they appear as they would under a reference light source. 99 colour evaluation samples are used for comparison while CRI only evaluates the comparison of 9 colours.



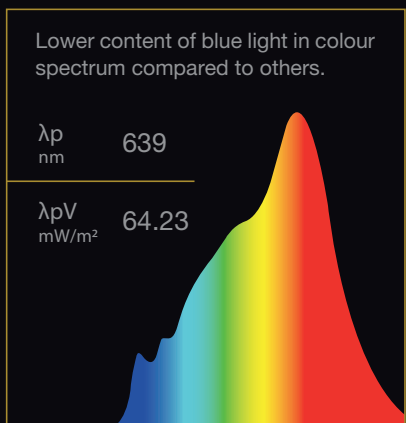
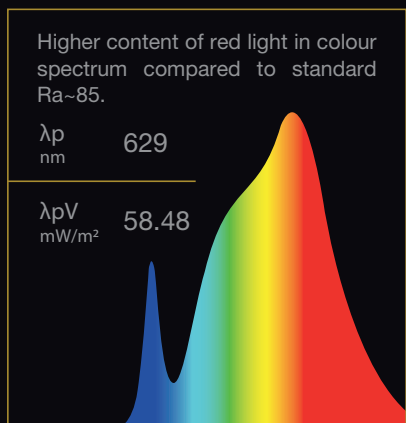
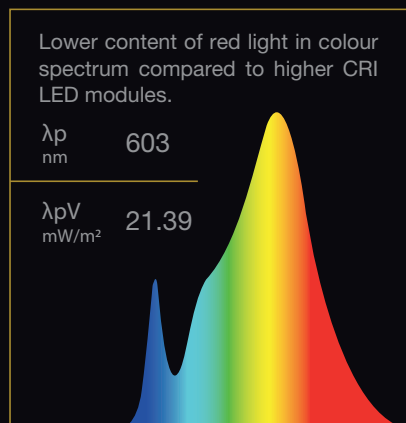
Apart from using Colour Rendering Index (CRI) to evaluate colour rendition, colour fidelity and gamut are derived from IES TM-30 that shows the mix of hue shift and saturation shift in a more comprehensive manner. By comparing colour samples rendered by a given light source and a reference light source of the same correlated colour temperature, a wealth of data on the colour rendering performance of the given light source is obtained.

Gamut Index (Rg) refers to the average level of colour saturation relative to a reference light source, using the same 99 colour evaluation samples for comparison. An Rg value of 100 indicates that there is no change in saturation on average, while values below 100 indicates that the rendered colours are less saturated on average and values above 100 means that the rendered colours are more saturated on average.

A Colour Vector Graphic is used to illustrate the colour rendition performance of a given light source. Below is a comparison between high efficiency Ra~85, ProART and ProART98 LED modules in 3000K, which shows the superb colour rendering performance of ProART98 LED modules whereby colours are rendered with very minimal distortion.



Black circle indicates the authentic colours rendered by the reference light source. Red circle and arrows indicate how colours are distorted by the given light source.



SINGLE CCT LED MODULES DEMO CASE




DEMO CASE INCLUSIVE OF:




COIN SERIES LED MODULE - Compatible with ELR size-3 and size-4 fixtures


3

Single CCT LED Module						Driver			
LED Power	Beam Angle		Colour Temp		CRI		Dimming		
 ELRCOIN-24CV	4.5W	60	60°	30 35 40	3000K 3500K 4000K	HE	Ra-85	ND	Non-Dim

4

Single CCT LED Module						Driver			
LED Power	Beam Angle		Colour Temp		CRI		Dimming		
 ELRCOIN-24CV	4.5W	60	60°	30 35 40	3000K 3500K 4000K	PA	ProART	ND	Non-Dim

5

Single CCT LED Module						Driver			
LED Power	Beam Angle		Colour Temp		CRI		Dimming		
 ELRCOIN-24CV	4.5W	60	60°	30 35 40	3000K 3500K 4000K	PP	ProART98	ND	Non-Dim

CONNECTION DIAGRAM

Constant Voltage - 24CV

