

Vanguard



Vandal proof screws

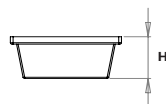
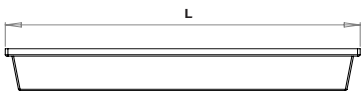


Key Family Details

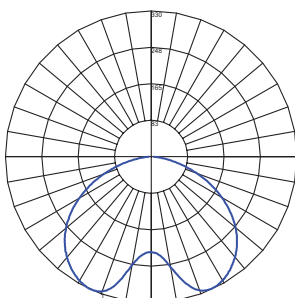
Optical System:	Polycarbonate diffuser
Mounting Type:	Surface mounted
Colour Consistency Initial:	3 SDCM
Finish Options:	Standard White
System Warranty:	5 years
CRI (Ra):	CRI80+ as standard. CRI90+ available via customisation.
CCT:	4000K
R9:	0+ (CRI80+ version)
COI Compliant:	Only the custom CRI90+ version is compliant.
Melanopic Ratio	0.70

Mechanical Drawing

Physical Parameters	Luminaire Dimensions			Aperture Size		Cutout Size		Weight
Code	L [mm]	W [mm]	H [mm]	D [mm]	E [mm]	A _{cut} [mm]	B _{cut} [mm]	[kg]
EL-CV822L-1100	655	210	85	-	-	-	-	3
EL-CV824L-1100,-1101	1275	210	85	-	-	-	-	4



Normalised Polar Curve 1275x210 840



Maximum Candela = 330cd/klm
Located At Horizontal Angle = 180, Vertical Angle = 25

Application

Applications include correctional institutions, prison cells, mental health facilities, railways, tunnels and any areas where a robust, vandal proof fitting is required. **This is an approved prison 'anti-ligature' luminaire.**

Design

An Australian made, robust and virtually indestructible luminaire. The hidden back plate, tamperproof stainless steel retaining screws and the overall construction ensures that the luminaire will repel any attempts at vandalism.

Optics

Vanguard LED features a one piece, injection moulded polycarbonate diffuser that provides excellent lamp obscuration, wide light distribution and excellent glare control.

Control

Standard non-dim and DALI.

CLO (Constant Light Output) available on request.

Emergency

Maintained Non-Monitored and DALI Monitored options.



Optical Performance

Code	Power [W]	Systems Lumens [lm]	Luminaire Lumens [lm]	Efficacy [lm/W]	Size [mmxmm]	Spacing (h=2.7m) [m x m]	W/m2	Calculated UGR max	LLMF TM21 L90 [hrs]	Lifetime TM21 L70 [hrs]
									LM80 duration: 12,000hrs	
EL-CV822L-1100-	19	3350	1729	89	655x210	-	-	-	42,000	>72000
EL-CV824L-1100-	31	5450	3096	101	1275x210	-	-	-	43,000	>72000
EL-CV824L-1101-	36	6400	3615	101	1275x210	-	-	-	43,000	>72000

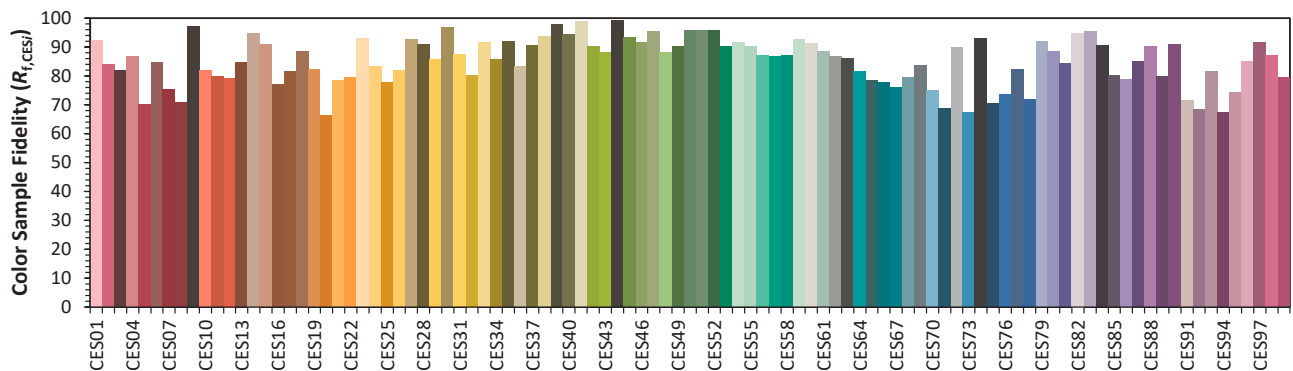
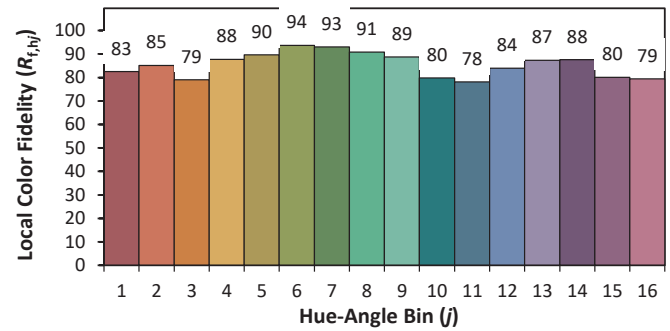
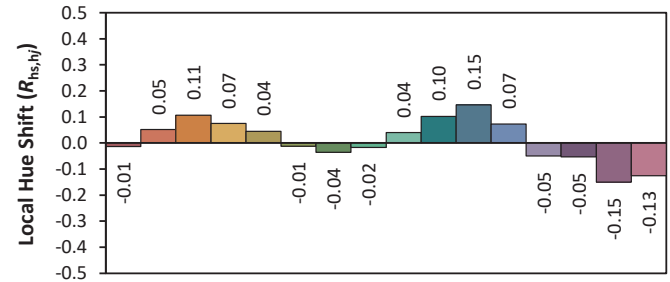
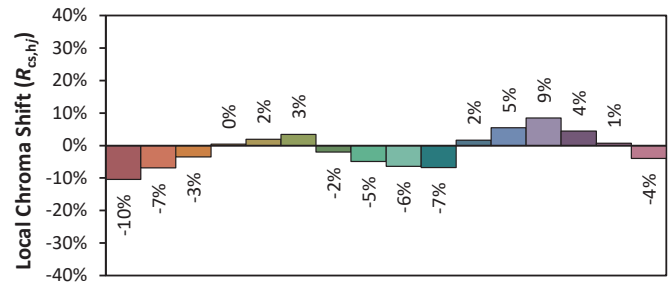
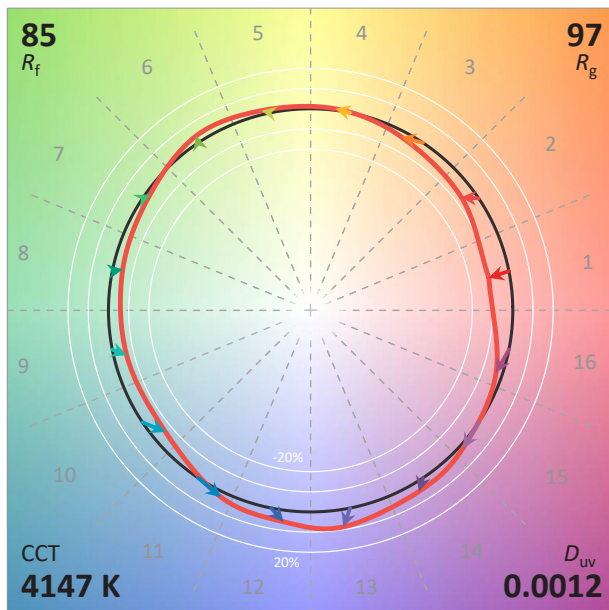
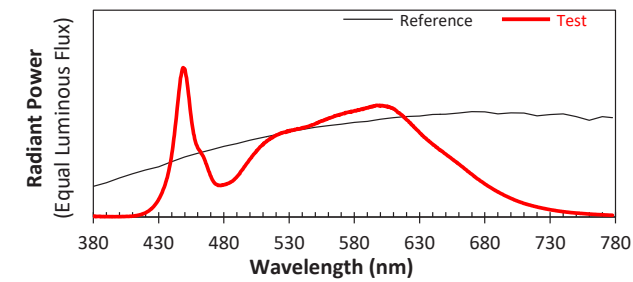
Wiring options

Suffix

Standard	-000
DALI variants	-2xx
Emergency variants	-8xx

TM-30-18 Colour Rendition Report

EL-CV824L-1101 - 36W 6400LM 840 1275x210



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.3749
 y 0.3757
 u' 0.2219
 v' 0.5003

CIE 13.3-1995
 (CRI)

R_a 85
 R_g 18

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.