

Cleanroom IP65



Surface mounted option available

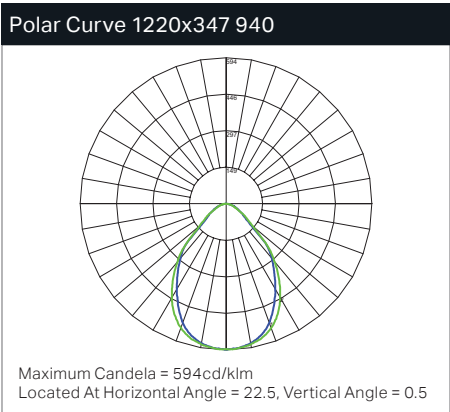
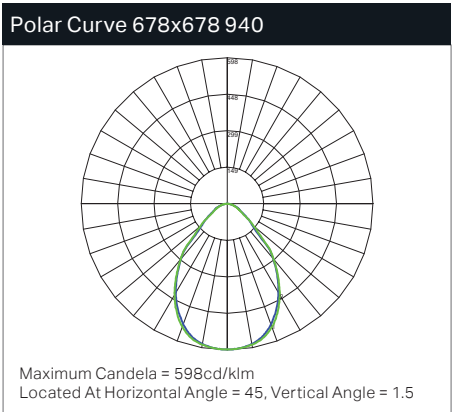
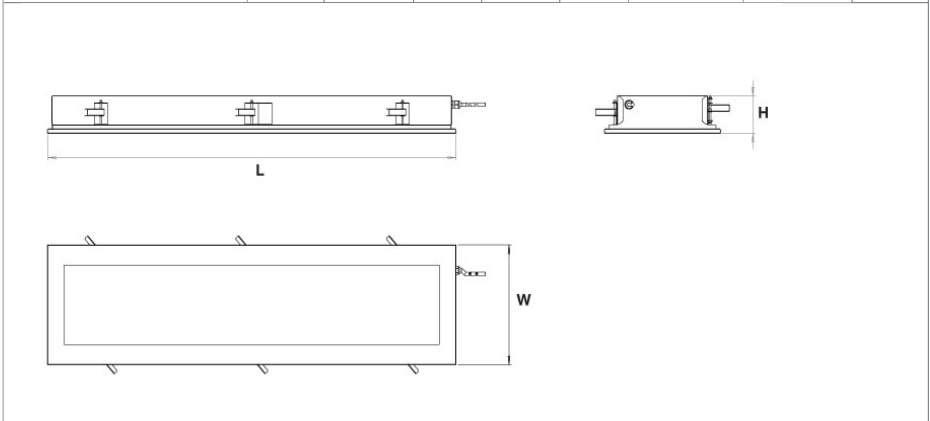


Nitrile Gasket & Installation brackets



Key Family Details	
Optical System:	Delta Diffuser + Acrylic wipedown film
Mounting Type:	Plaster Recessed
Colour Consistency Initial:	3 SDCM
Finish Options:	Standard white. Other finishes via customisation
System Warranty:	5 years
CRI (Ra):	90+
CCT:	4000K
R9:	65+
COI Compliant:	Yes (<=2,3)
Melanopic Ratio	Up to 0.74

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-CR65L-3102,-3103,-3108	660	347	108	-	-	635	325	7.0
EL-CR65L-5102,-5103,-5108	678	678	108	-	-	655	655	12.0
EL-CR65L-1102,-1103,-1108	1220	347	108	-	-	1195	325	11.8



Application

The Cleanroom range of luminaires has been developed to meet the requirements of specialist installations where the luminaire requires protection against contamination. This range is rated IP65 from all angles. This range is COI compliant.

Design

The screwless frame is fixed to the body by floating magnets. Using a magnet to attach the frame ensures that it is easy to install and clean.

Optics

The wipe-down Delta diffuser is made up of a micro-prism louvre in acrylic (PMMA) with a thin opal diffuser on the inside. This provides excellent glare control whilst delivering optimal lumens out of the luminaire.

Control

Various control options including DALI, sensor control, and with Detached Organic Response Sensor (non-IP Rated) are available.

Installation

Plaster recessed as standard. Other mounting options available via customisation.

- Restraint enabled.

Emergency

Non-monitored and DALI-monitored Emergency options are available.

Notes

- Customisable sizes.
- Non-white light options are also available on request for specialist applications.
- Antimicrobial powder coating as standard
- The family is suitable for use in PC2 environments

Mounting Options

- T-Bar
- Surface Mount
- Top Access
- Sandwich Panel

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Optical Performance										
Code	Power [W]	Systems Lumens [lm]	Luminaire Lumens [lm]	Efficacy [lm/W]	Size [mmxmm]	Spacing	W/ m2	Calculated UGR max	LLMF TM21 L90 [hrs]	Lifetime TM21 L70 [hrs]
									LM80 duration: 12,000hrs	
EL-CR65L-3102-	16	2000	1446	93	660x347		-	-	52,000	>72,000
EL-CR65L-3103-	23	3000	2151	95	660x347		-	-	52,000	>72,000
EL-CR65L-3108-	30	4000	2855	95	660x347		-	-	51,000	>72,000
EL-CR65L-5102-	27	4000	2858	106	678x678	2.4x2.4m, 400+ lux target	4.68	16.6	52,000	>72,000
EL-CR65L-5103-	40	6000	4247	105	678x678	2.4x2.4m, 600+ lux target	7.01	18.0	52,000	>72,000
EL-CR65L-5108-	55	8000	5626	103	678x678	2.4x2.4m, 800+ lux target	9.49	18.9	52,000	>72,000
EL-CR65L-1102-	27	4000	2885	108	1220x347	2.4x2.4m, 400+ lux target	4.63	17.3	52,000	>72,000
EL-CR65L-1103-	40	6000	4287	108	1220x347	2.4x2.4m, 600+ lux target	6.91	18.7	52,000	>72,000
EL-CR65L-1108-	54	8000	5670	105	1220x347	2.4x2.4m, 800+ lux target	9.34	19.7	52,000	>72,000

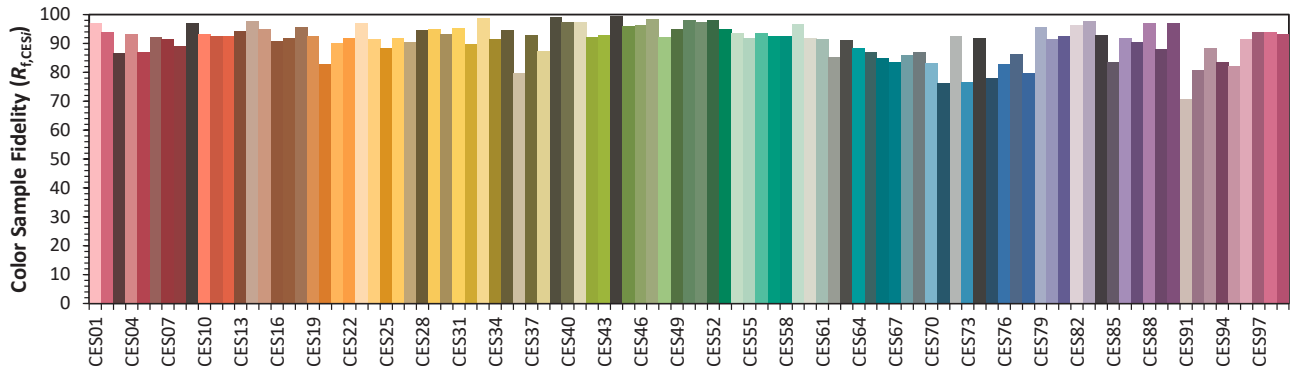
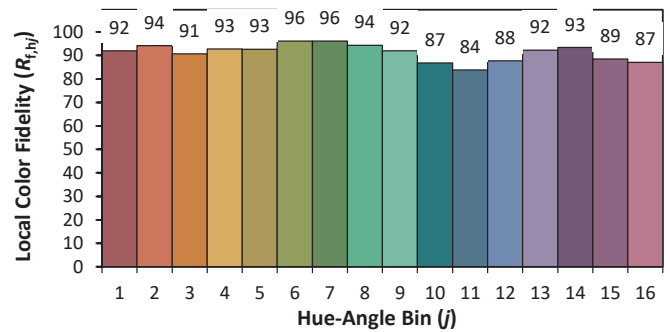
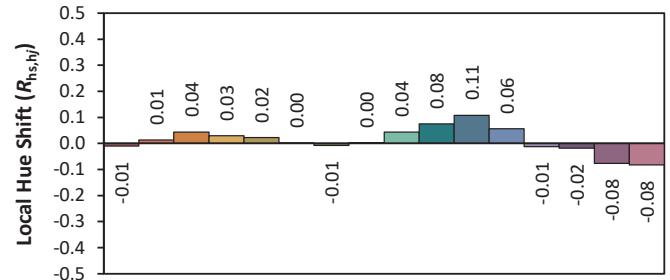
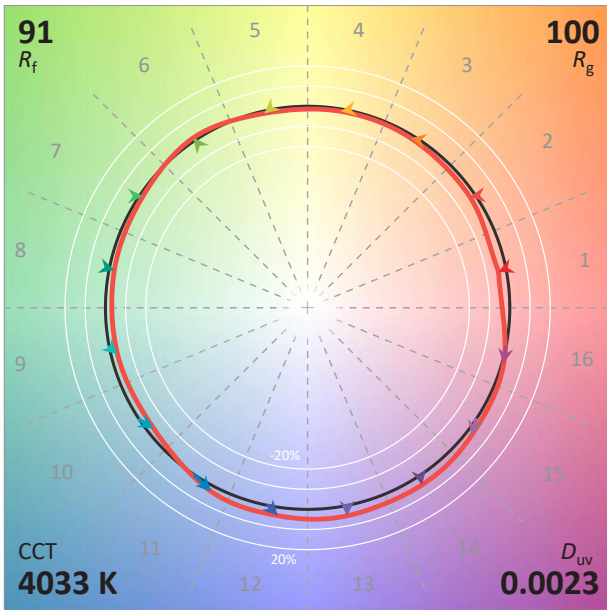
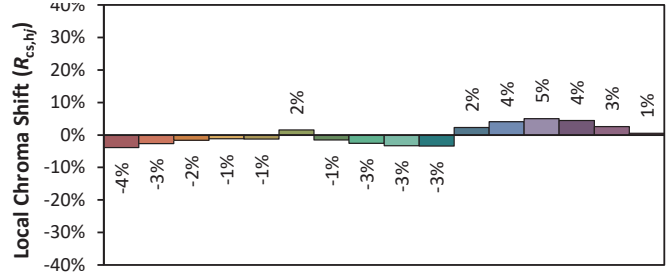
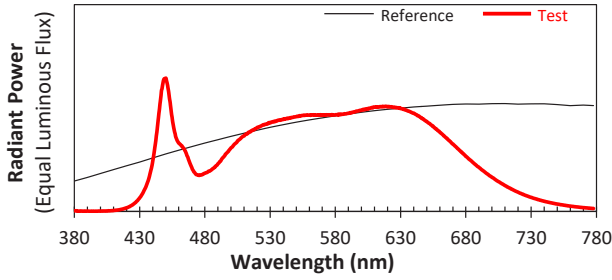
Design Parameters: LLF=0.80 (Nominal), Room Reflectances (C/W/F): 0.70/0.50/0.20, Ceiling height=2.7m, Eh @0.72m AFFL.

Wiring options	Suffix
Standard	-000
DALI/STD terminal block	-200
Maintained Emergency	-800
DALI Emergency	-801

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TM-30-18 Colour Rendition Report

EL-CR65-3102 - 16W 2000LM 940 660x347



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

x 0.3806
 y 0.3817
 u' 0.2232
 v' 0.5037

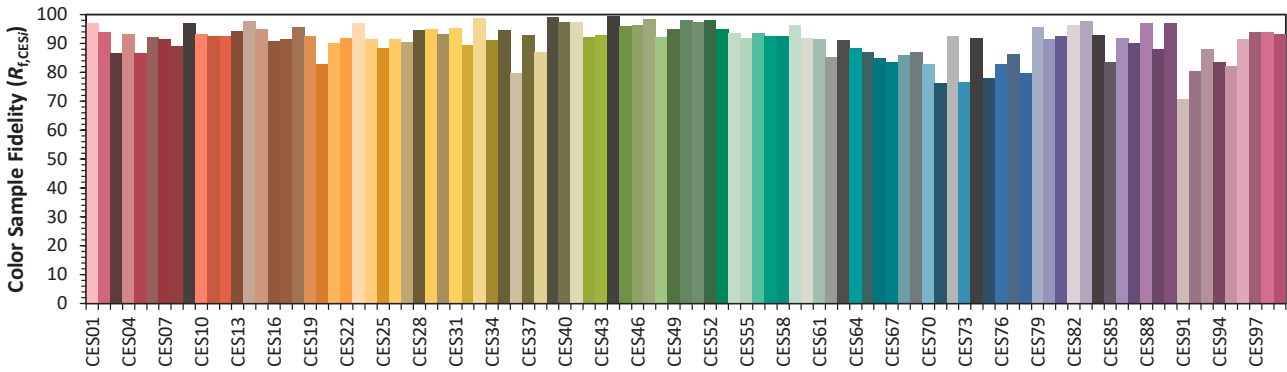
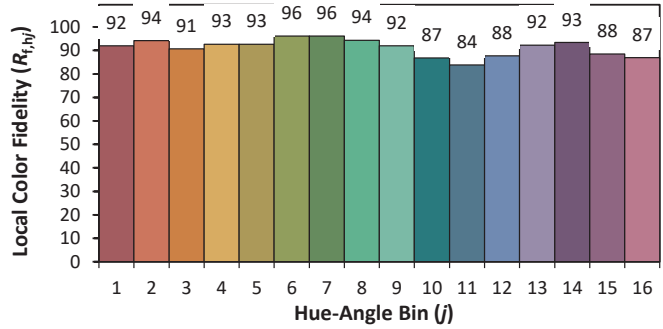
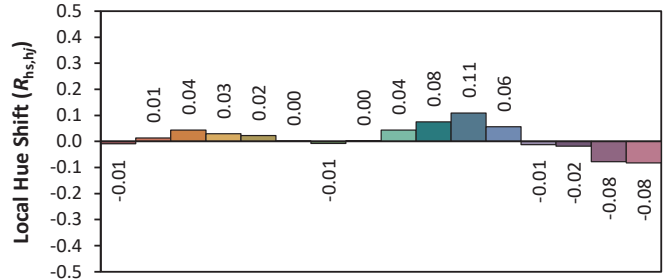
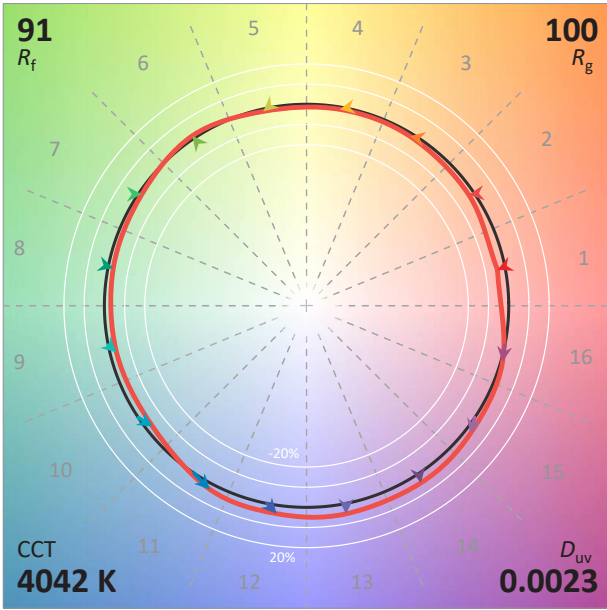
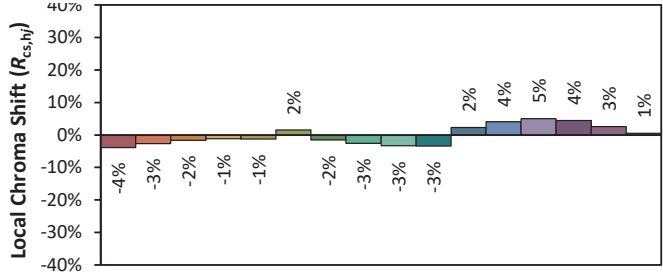
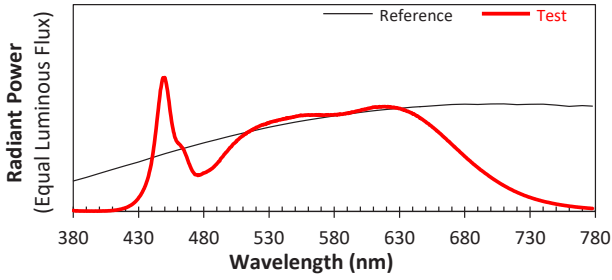
CIE 13.3-1995 (CRI)	
R_a	92
R_g	69

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

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TM-30-18 Colour Rendition Report

EL-CR65-5102 - 27W 4000LM 940 678x678



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

x **0.3802**
 y **0.3814**
 u' **0.2231**
 v' **0.5036**

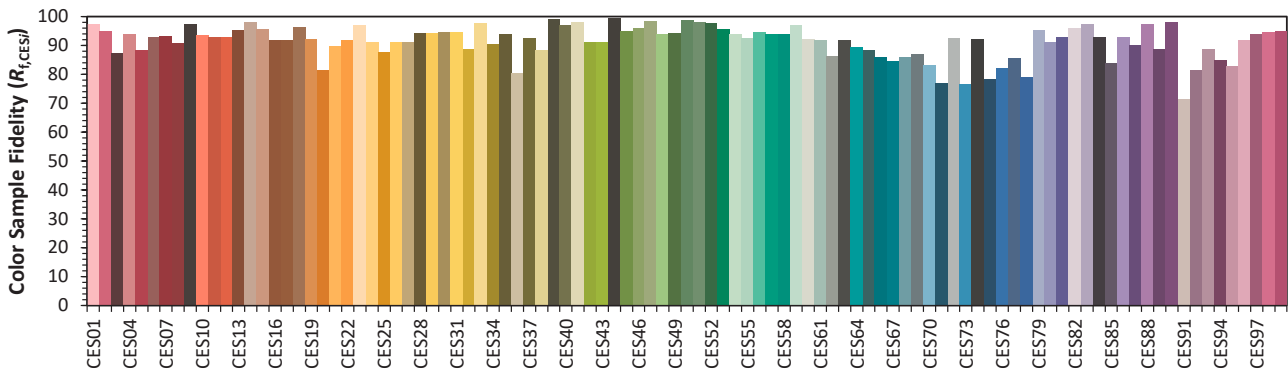
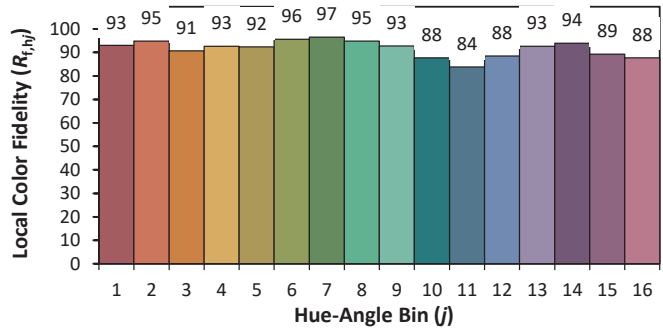
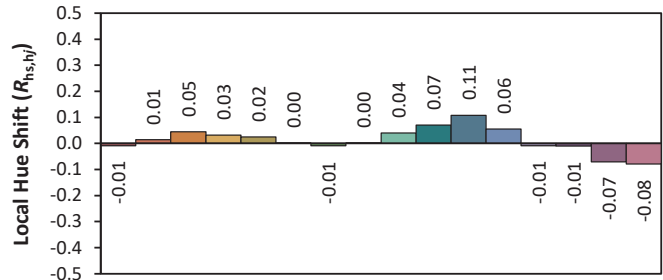
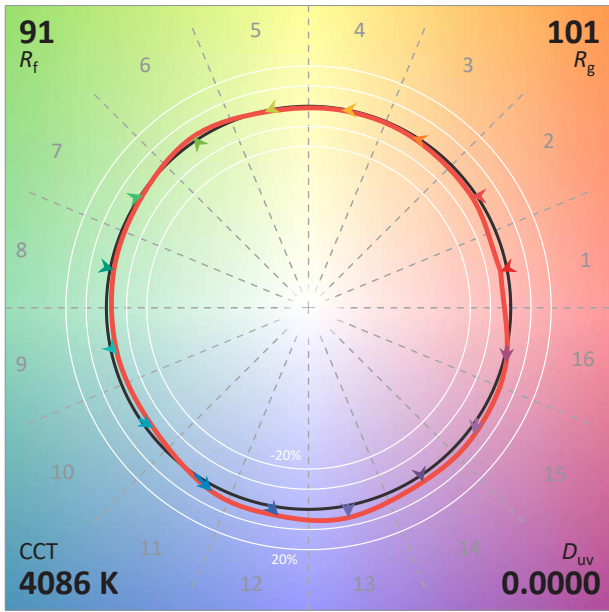
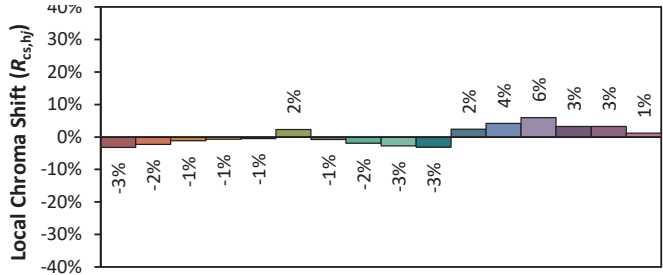
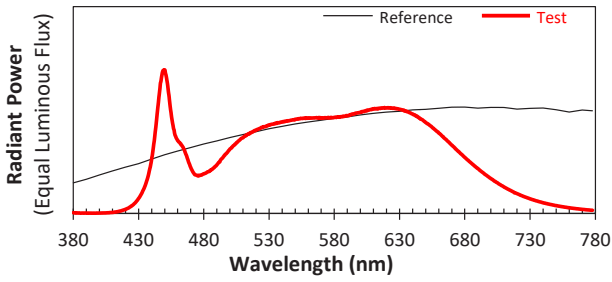
CIE 13.3-1995 (CRI)	
R _a	92
R _g	69

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TM-30-18 Colour Rendition Report

EL-CR65L-1102 - 27W 4000LM 940 1220x347



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

x 0.3767
 y 0.3744
 u' 0.2236
 v' 0.5000

CIE 13.3-1995 (CRI)	
R_a	94
R_g	76

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