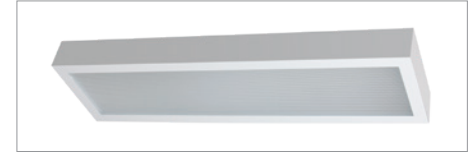


Cleanroom IP44



Nitrile Gasket & Installation brackets



Surface mounted option available

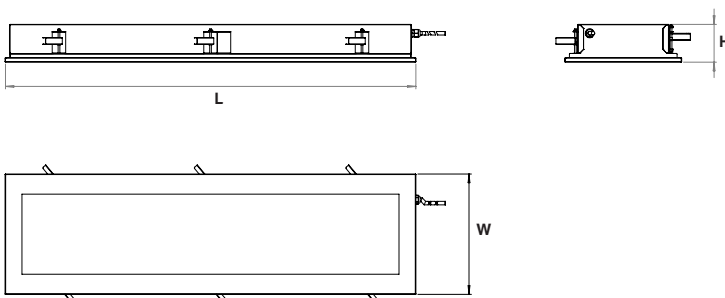


Key Family Details

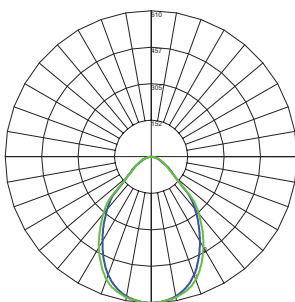
Optical System:	Delta Diffuser and Acrylic clear film
Mounting Type:	Plaster Recessed
Colour Consistency Initial:	3 SDCM
Finish Options:	Standard white. Other finishes via customisation
System Warranty:	5 years
CRI (Ra):	90+
CCT:	4000K
R9:	60+
COI Compliant:	Yes
Melanopic Ratio	0.72

Mechanical Drawing

Physical Parameters	Luminaire Dimensions			Aperture Size		Cutout Size		Weight
Code	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Acout [mm]	Bcout [mm]	[kg]
EL-CR44L-3102,-3103	657	328	105	-	-	635	300	6.1
EL-CR44L-5102,-5103	657	657	105	-	-	635	635	9.9
EL-CR44L-1102,-1103	1222	328	105	-	-	1195	300	9.9

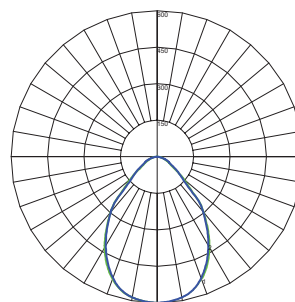


Polar Curve 660x330 940



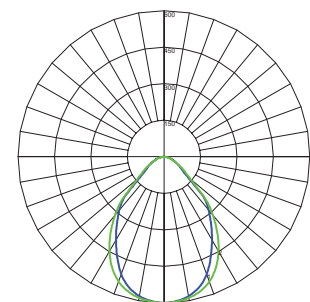
Maximum Candela = 610cd/klm
Located At Horizontal Angle = 90, Vertical Angle = .5

Polar Curve 660x660 940



Maximum Candela = 600cd/klm
Located At Horizontal Angle = 0, Vertical Angle = 0

Polar Curve 1220x330 940



Maximum Candela = 600cd/klm
Located At Horizontal Angle = 90, Vertical Angle = 0.5

Application

The Cleanroom range of luminaires has been developed to meet the requirements of specialist installations, such as laboratories, hospitals and medical centres, where the luminaire requires protection against contamination. This range is COI compliant and rated IP44 from all angles.

Optics

The wipe-down Delta diffuser is made up of a micro-prism louver 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

Wide range of options available.

Installation

Plaster-recessed as standard. Other installation types also available.

Emergency

Maintained Non-monitored and DALI-monitored. Other options available via NSPR.

Notes

- Restraint enabled. Top access option is available.
- Antimicrobial powder coating as standard

Mounting Options

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

Cleanroom IP44



Optical Performance

Code	Power [W]	Systems Lumens [lm]	Luminaire Lumens [lm]	Efficacy [lm/W]	Size [mmxmm]	Spacing	W/m ²	Calculated UGR max	LLMF TM21 L90 [hrs]	Lifetime TM21 L70 [hrs]
									LM80 duration: 12,000hrs	
EL-CR44L-3102-	15	2200	1419	96	660x330	-	-	-	52,000	>72,000
EL-CR44L-3103-	21	3200	2043	95	660x330	-	-	-	52,000	>72,000
EL-CR44L-5102-	28	4100	2845	101	660x660	2.4x2.4m, 400+ lux target	4.89	16.5	52,000	>72,000
EL-CR44L-5103-	44	6100	4352	98	660x660	2.4x2.4m, 600+ lux target	7.70	18.0	52,000	>72,000
EL-CR44L-1102-	28	4100	2850	103	1220x330	2.4x2.4m, 400+ lux target	4.82	17.3	52,000	>72,000
EL-CR44L-1103-	43	6100	4277	99	1220x330	2.4x2.4m, 600+ lux target	7.48	18.7	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

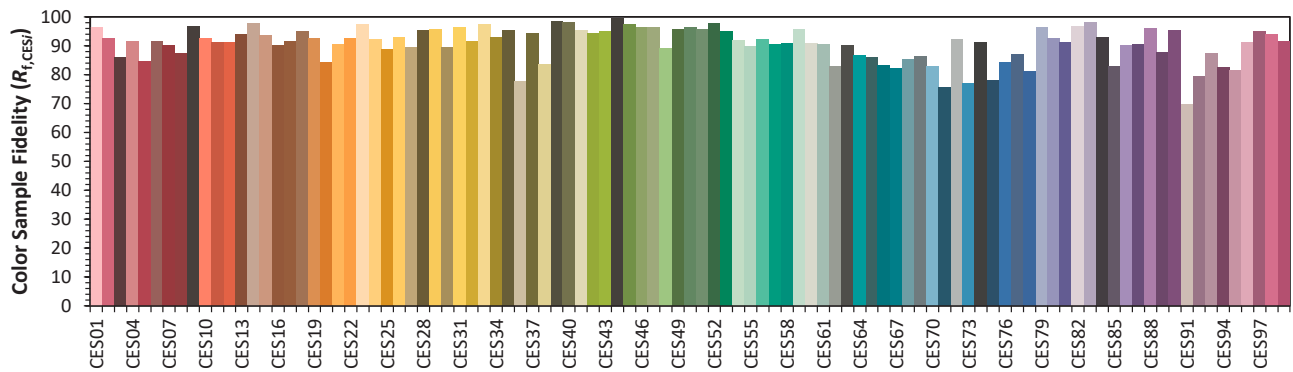
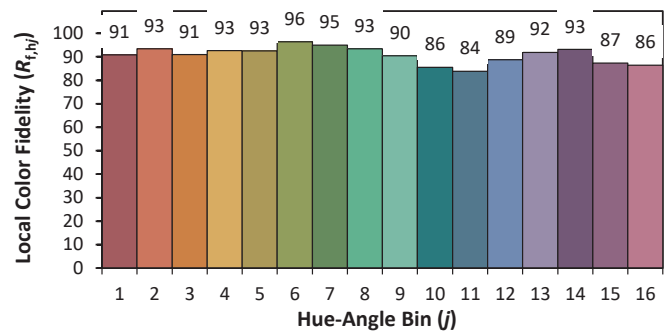
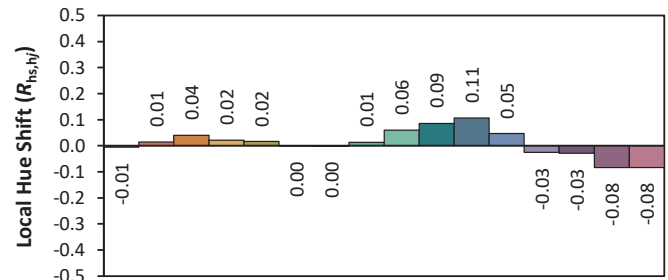
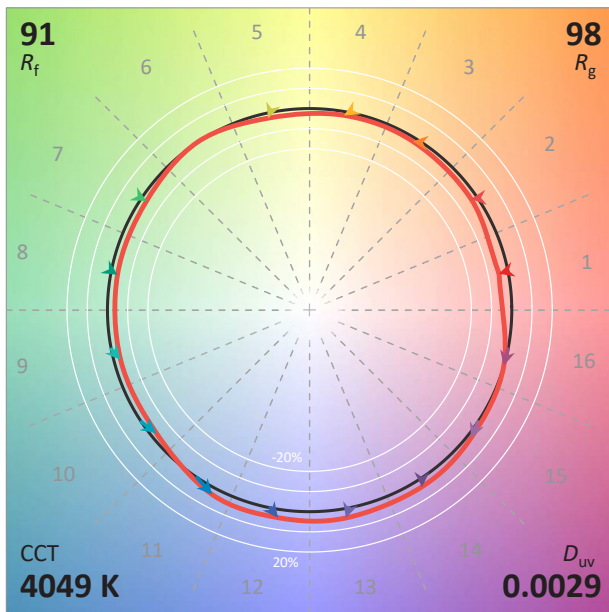
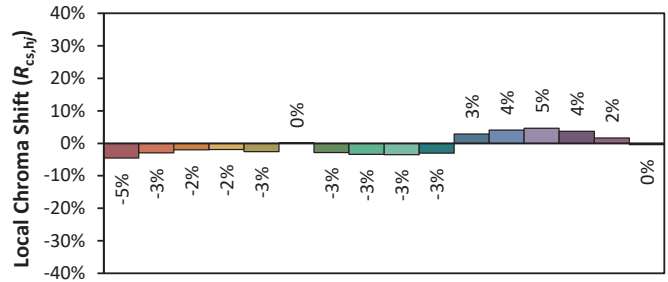
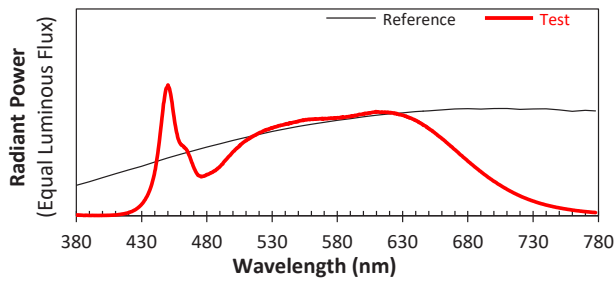
Suffix

Standard	-000
DALI/STD terminal block	-200
Tuneable White (DALI Type 8)	-220
Standard/Fused terminal block	-400
DALI/Fused terminal block	-600
Maintained Emergency	-800
Maintained DALI Monitored Emergency	-801

Cleanroom IP44

TM-30-18 Colour Rendition Report

EL-CR44L-5102 - 28W 4100LM 940 635x635



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

x 0.3803
 y 0.3829
 u' 0.2226
 v' 0.5042

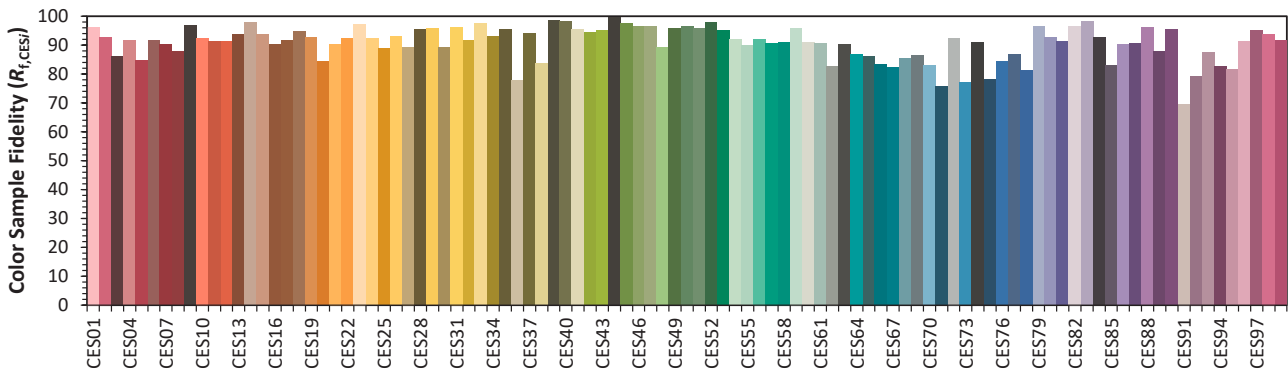
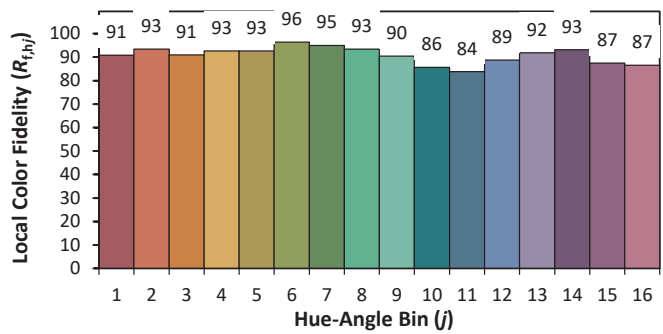
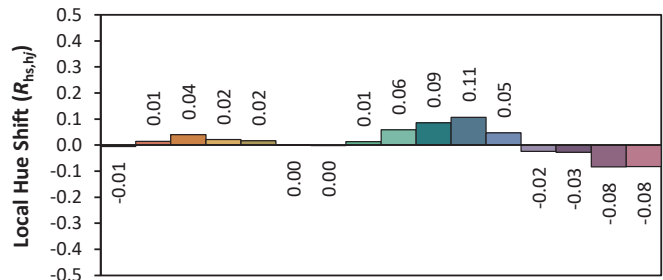
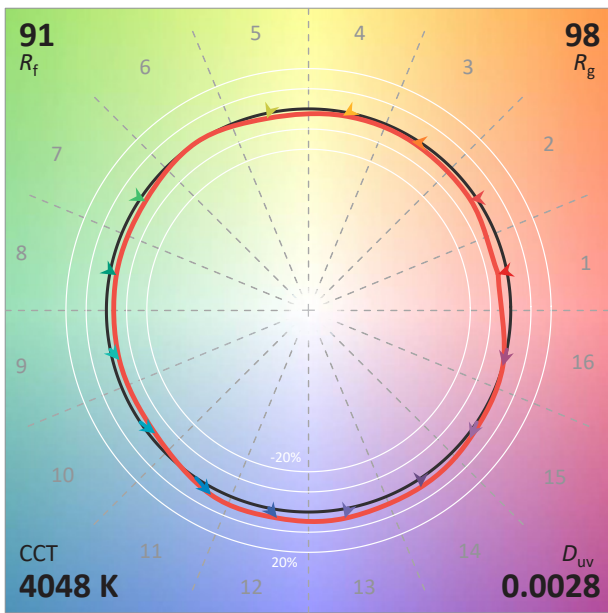
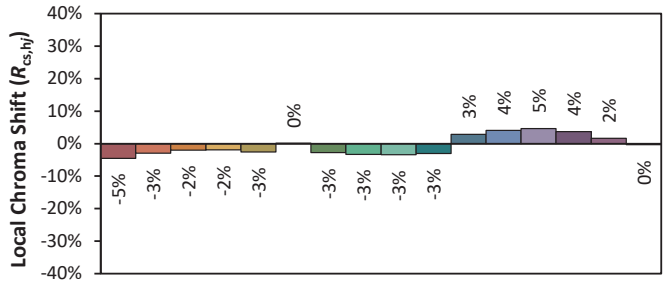
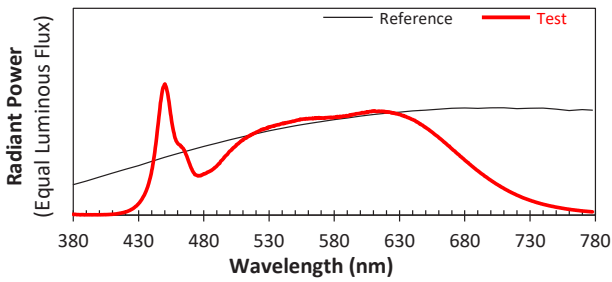
CIE 13.3-1995 (CRI)	
R_a	92
R_g	65

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

Cleanroom IP44

TM-30-18 Colour Rendition Report

EL-CR44L-1102 - 28W 4100LM 940 1195x300



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

x **0.3803**
 y **0.3826**
 u' **0.2227**
 v' **0.5041**

CIE 13.3-1995	
(CRI)	
R_a	92
R_g	65

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