

# Enviro Evoline Concealed Air



Enviro Evoline Concealed Air 600x300



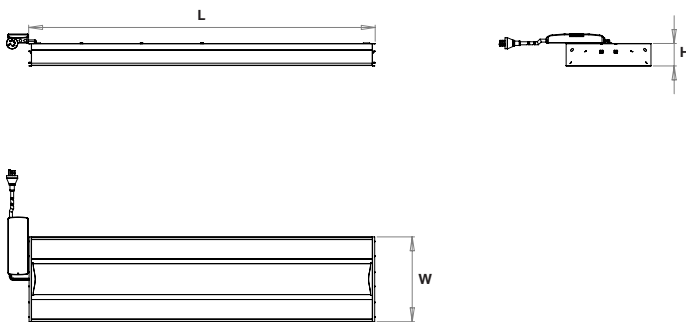
## Key Family Details

|                             |                                     |
|-----------------------------|-------------------------------------|
| Optical System:             | Opal diffuser + Secondary reflector |
| Mounting Type:              | Exposed T-Bar                       |
| Colour Consistency Initial: | 3 SDCM                              |
| Finish Options:             | Standard white                      |
| System Warranty:            | 5 years                             |
| CCT:                        | 4000K                               |
| CRI (Ra):                   | 90+                                 |
| R9:                         | 50+                                 |
| COI Compliant:              | Yes                                 |
| Melanopic Ratio             | 0.70+                               |

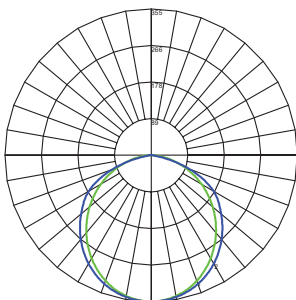
## Mechanical Drawing

| Physical Parameters | Luminaire Dimensions |        |        | Weight |
|---------------------|----------------------|--------|--------|--------|
|                     | L [mm]               | W [mm] | H [mm] |        |
| Code                |                      |        |        | [kg]   |
| EL-EVC-1110/-1113   | 592                  | 292    | 67     | 2.0    |
| EL-EVC-1111/-1114   | 1192                 | 292    | 67     | 2.7    |
| EL-EVC-1112/-1115   | 1492                 | 292    | 67     | 3.5    |

EL-ACC-210-000 Restraint Kit - 4 x gripple, 2 x 2m wire

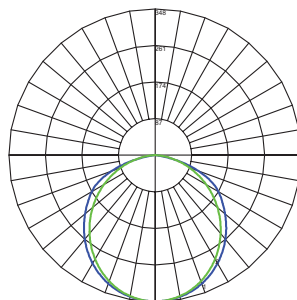


## Polar Curve 1200x300 940



Maximum Candela = 355cd/klm  
Located At Horizontal Angle = 22.5, Vertical Angle = .5

## Polar Curve 1500x300 940



Maximum Candela = 348cd/klm  
Located At Horizontal Angle = 90, Vertical Angle = .5

## Application

The Enviro Evoline family has been designed to meet the demanding requirements for office lighting in Australia and New Zealand.

The Concealed Air variant is the new addition to the family.

## Design

The air slots in the Concealed Air variant, completely invisible due to the unique design, deliver an exceptional performance in terms of both airflow and noise figures, as demonstrated by accredited laboratory test results.

As with the rest of the Enviro Evoline family, the Concealed Air variant has one of the best vertical illuminance performances within the ELA range of recessed luminaires.

## Optics

The extruded central diffuser offers good glare control whilst the curved back reflector spreads light to achieve a wide beam without causing glare and to help reduce contrast on the ceiling.

## Control

Non-dim and DALI as standard. Various control options available via customisation including Organic Response and Tuneable White.

## Emergency

Maintained DALI and maintained non-monitored emergency options as standard. Other options may be available via customisation.

## Installation

T-Bar as standard. Plaster Recessed and Surface Mounted kits available as standard

## Options.

Restraint Kit available.

## Mounting Options

Plaster Recessed via Recessing kit

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## 320 Lux Target Illuminance

| Code            | Power [W]                                | Systems Lumens [lm] | Luminaire Lumens [lm] | Efficacy [lm/W] | Nominal Size [mmxmm] | Spacing (h=2.7m) [m x m] | W/m <sup>2</sup>        | Calculated UGR max | LLMF TM21 L90 [hrs]      | Lifetime TM21 L70 [hrs] |
|-----------------|--|---------------------|-----------------------|-----------------|----------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
|                 |  |                     |                       |                 |                      |                          |                         |                    | LM80 duration: 12,000hrs |                         |
| EL-EVC-1110-000 | 10                                       | 1400                | 1145                  | 112             | 600x300              | -                        | -                       | -                  | 52,000                   | >72,000                 |
| EL-EVC-1111-000 | 20                                       | 2700                | 2448                  | 121             | 1200x300             | 2.4m x 2.4m              | 3.50 (Complies with J6) | 19                 | 52,000                   | >72,000                 |
| EL-EVC-1112-000 | 25                                       | 3450                | 2998                  | 122             | 1500x300             | 3.0m x 2.4m              | 3.37 (Complies with J6) | 19                 | 52,000                   | >72,000                 |
| EL-ACC-210-000  | Restraint Kit - 4 x gripple, 2 x 2m wire |                     |                       |                 |                      |                          |                         |                    |                          |                         |

## 400 Lux Target Illuminance

| Code            | Power [W]                                | Systems Lumens [lm] | Luminaire Lumens [lm] | Efficacy [lm/W] | Nominal Size [mmxmm] | Spacing (h=2.7m) [m x m] | W/m <sup>2</sup>        | Calculated UGR max | LLMF TM21 L90 [hrs]      | Lifetime TM21 L70 [hrs] |
|-----------------|--|---------------------|-----------------------|-----------------|----------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
|                 |  |                     |                       |                 |                      |                          |                         |                    | LM80 duration: 12,000hrs |                         |
| EL-EVC-1113-000 | 12                                       | 1650                | 1361                  | 111             | 600x300              | -                        | -                       | -                  | 52,000                   | >72,000                 |
| EL-EVC-1114-000 | 24                                       | 3250                | 2956                  | 121             | 1200x300             | 2.4m x 2.4m              | 4.23 (Complies with J6) | 22                 | 52,000                   | >72,000                 |
| EL-EVC-1115-000 | 29                                       | 4100                | 3607                  | 123             | 1500x300             | 3.0m x 2.4m              | 4.09 (Complies with J6) | 22                 | 52,000                   | >72,000                 |
| EL-ACC-210-000  | Restraint Kit - 4 x gripple, 2 x 2m wire |                     |                       |                 |                      |                          |                         |                    |                          |                         |

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

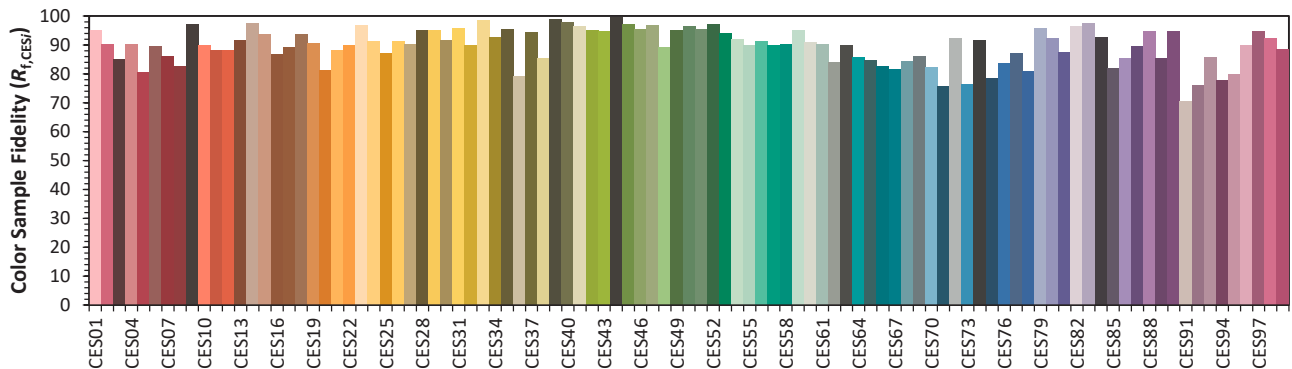
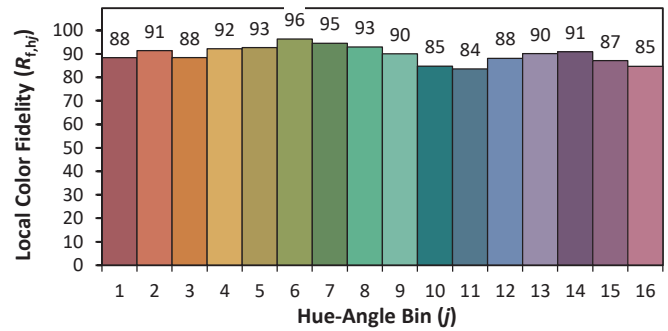
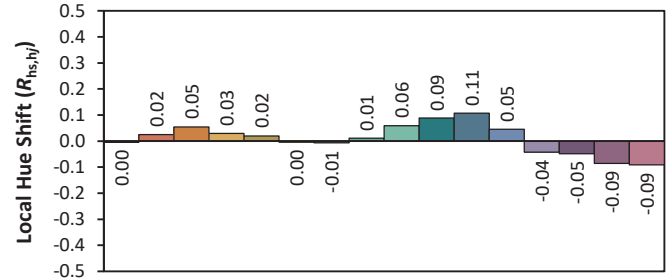
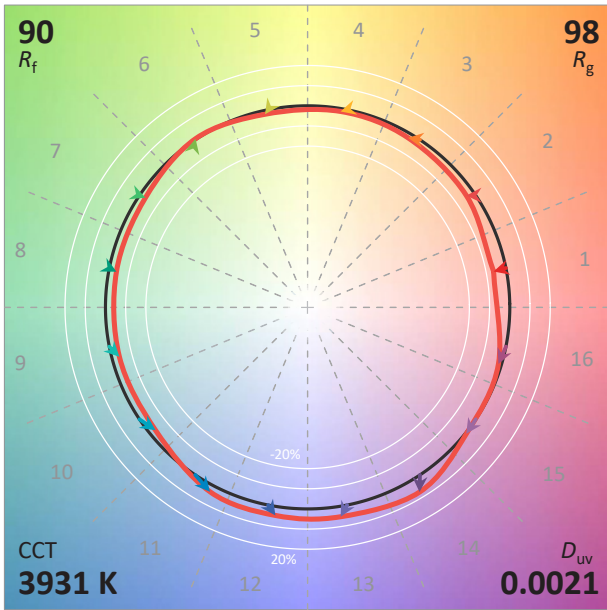
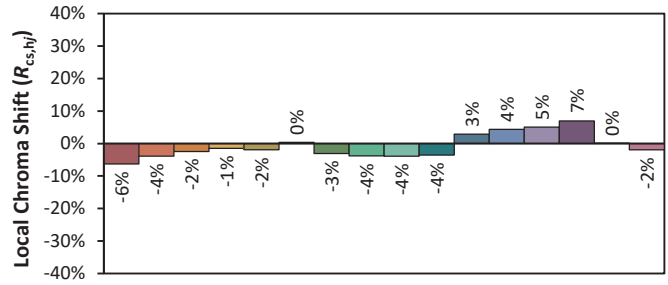
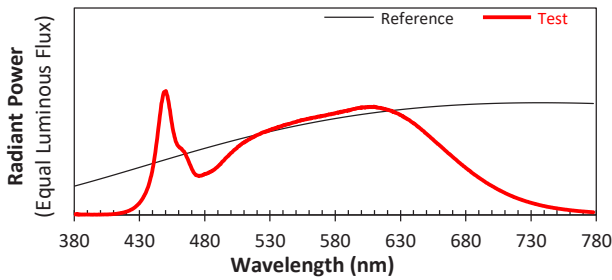
|                             |      |
|-----------------------------|------|
| Standard                    | -000 |
| DALI/STD terminal block     | -200 |
| Tunable White (DALI Type 8) | -220 |
| Organic Response (SN3)      | -950 |

# Enviro Evoline Concealed Air



## TM-30-18 Colour Rendition Report

EL-EVC-1111 - 20W 2700LM 940 1200x300



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

$x$  0.3851  
 $y$  0.3841  
 $u'$  0.2252  
 $v'$  0.5054

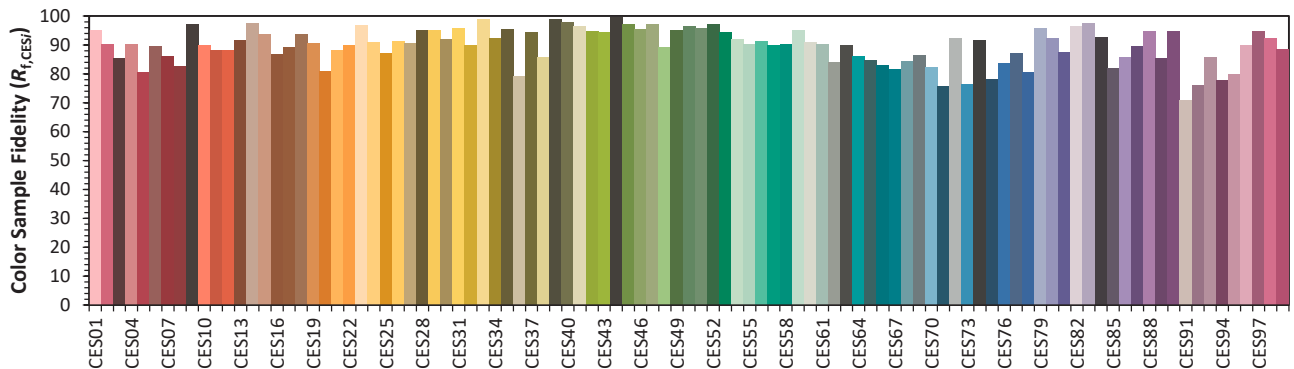
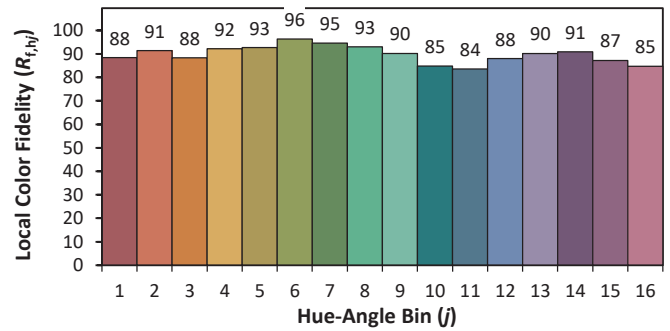
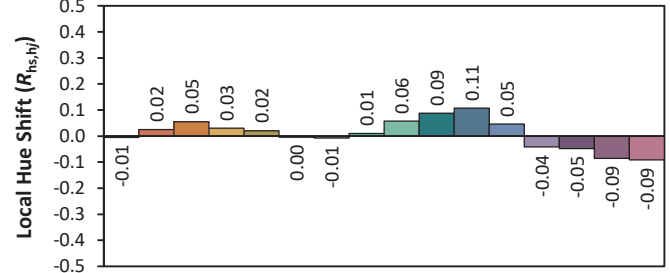
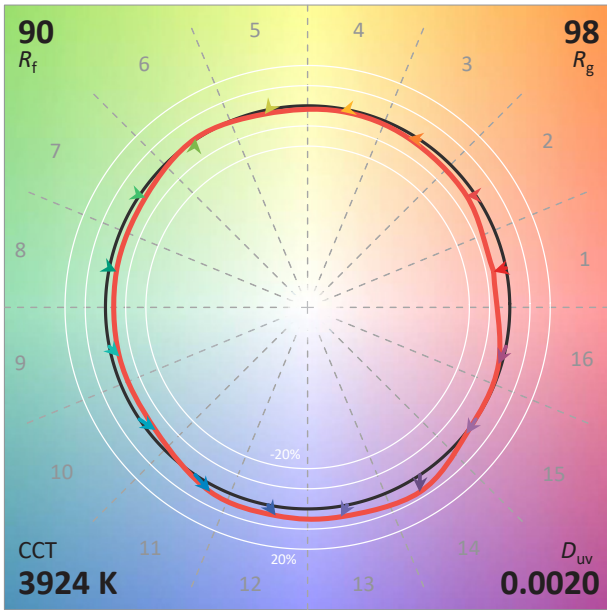
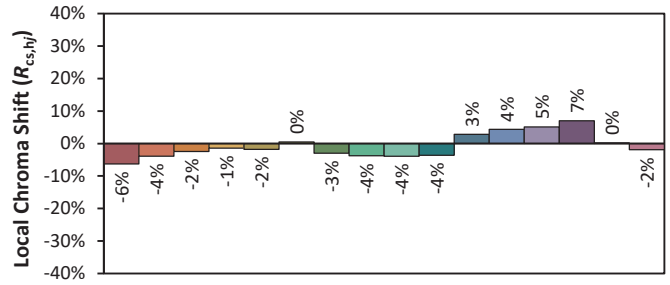
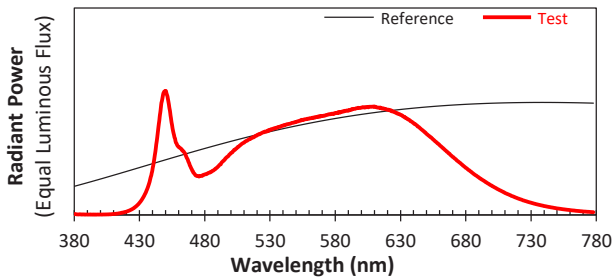
|                     |    |
|---------------------|----|
| CIE 13.3-1995 (CRI) |    |
| $R_a$               | 90 |
| $R_9$               | 51 |

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

# Enviro Evoline Concealed Air

## TM-30-18 Colour Rendition Report

EL-EVC-1112 - 25W 3450LM 940 1500x300



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

x **0.3854**  
 y **0.3842**  
 u' **0.2254**  
 v' **0.5056**

|                     |    |
|---------------------|----|
| CIE 13.3-1995 (CRI) |    |
| R <sub>a</sub>      | 90 |
| R <sub>9</sub>      | 51 |

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