



## Ennio

### SURFACE MOUNTED & SUSPENDED | ECO-DALI TW SERIES

Ennio is a versatile suspended luminaire that emits light both upwards and downwards. Providing indirect light on its superior side, Ennio creates a mellow ambient in the working space with reduced glare due to indirect lighting by projecting the light beam towards the ceiling. Integrates the Tunable White technology with adjustable colour temperature from 3,000 K to 6,000 K at constant luminous flux.

Ennio is suitable for spaces with large horizontal, reflective surfaces. By emitting light upward, towards the ceiling, Ennio can create a glarefree general illumination (UGR <16), enhancing comfort while maintaining the optical performance required. Benefits from a hybrid design - a black reflector and a lens for high visual comfort which comes in various shapes.

Ennio has several series, determined by various add-on and controls:

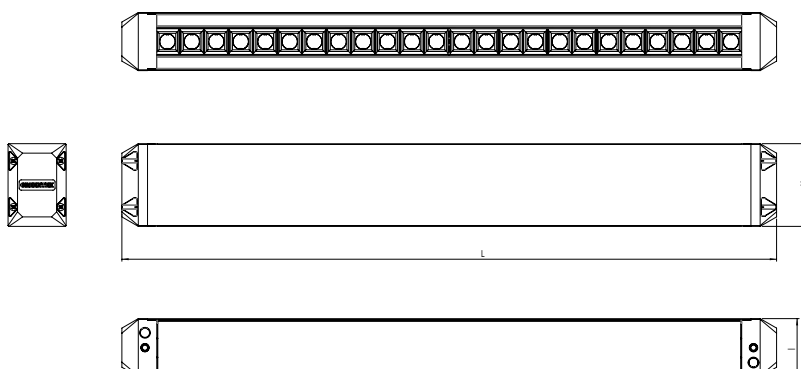
- Ennio ECO-DALI: with DALI controls for illumination adjustments
- Ennio ECO-DALI TW - with DALI controls and the tunable white system with adjustable colour temperature

### APPLICATION

Office | Healthcare | Hospitality | DIY

### FEATURES & BENEFITS

- CRI (UP/DOWN) 90/80 as standard
- Color temperatures (UP/DOWN): Tunable White and 3000K
- Long rated life (UP/DOWN): L70/B10@50,000h / L90/B10@50.000h
- Luminaire efficiency (UP/DOWN): 76/80 lm/w @3000K
- Dimmable



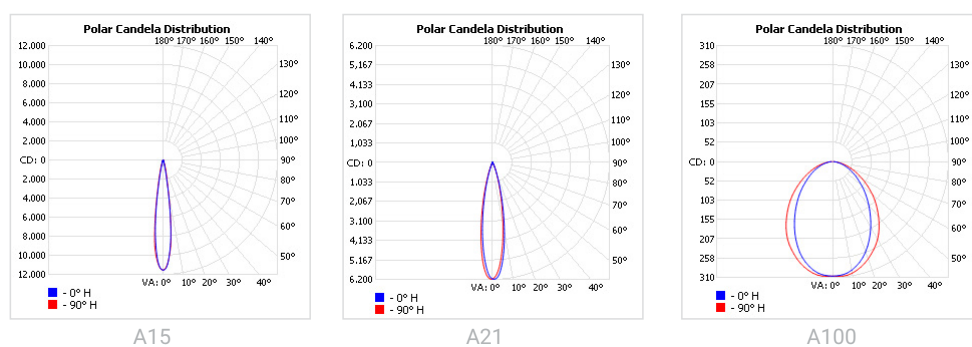
**SPECIFICATIONS**

Power consumption (UP / DOWN)	73W / 25W	146W / 50W
Dimensions	1520 x 57 x 81 ± 1mm	2990 x 57 x 81 ± 1mm
Weight	3.9Kg	7.7 Kg
Housing materials	Aluminum & Polycarbonate	
IK code	IK02	
THD (at 230V, 50Hz, Full load)	<8%	
Protection class	Safety class 1	
Operating temperature [°C]	-20°C ... +45°C / -4F ... +113F	
Operating humidity [%]	10 ÷ 85	
Power factor	≥0.89	
AC Input [Vac]	220 - 240 VAC	
Lens angle [°] (UP / DOWN)	100° / 15° , 100° / 21°	
Lifespan [h]	50,000	
Housing color	● Anodised grey ● Anodised black	
Lumen maintenance (UP / DOWN)	L70/B10@50.000h at 25°C	L90/B10@50.000h at 25°C
IP factor	IP20	
Control optional	ECO-DALI	
Warranty [years]	5	
Storage temperature range [°C]	-10°C ... +55°C / +14F ... +131F	
Emergency option	-	

Light application	Standard
CRI (UP/DOWN)	CRI 90 / CRI 80
CCT [K] (UP/DOWN)	TW / 3000K
MacAdam (UP/DOWN)	3 / 4

CRI - Color rendering, CCT - Color temperature, MacAdam - Color consistency

**LIGHT DISTRIBUTION**



**RISK GROUP****RG1**

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Low Risk (RG1 – No photobiological hazard under normal behavioral limitations)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

**TOLERANCES**

**Luminous flux tolerances:** -/+ 5%

**Consumption tolerance:** -/+ 5% for TEC | -/+ 10% for TEC & KIT EM | -/+ 10% for ECO-DALI | -/+ 15% for ECO-DALI & KIT EM

**BATTERY WARRANTY**

**TEC EM & ECO EM:** 12 months warranty

**TEC & ECO:** -

**MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT**

Power	Driver type	Control type	Circuit Breaker Type						
			Amperage	B			C		
				20	16	10	20	16	10
< 50W		TEC		37	30	18	62	51	31
≥ 50W		TEC		37	30	18	62	51	31
< 80W		ECO		27	21	13	45	35	21

## SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K) (UP/DOWN)	Lumens (lm) (UP/DOWN)	Power (W) (UP/DOWN)	Eff. (lm/watt) (UP/DOWN)	Lens Angle (°) (UP/DOWN)
<b>CRI (UP/DOWN) 90/80</b>						
299016 Ennio S150/TW/3000/73W/25W/90/80/A100/A15	1520 x 57 x 81 ± 1mm	TW/3000	5540/1995	73W/25W	76/80	100°/15°
299020 Ennio S150/TW/3000/73W/25W/90/80/A100/A21	1520 x 57 x 81 ± 1mm	TW/3000	5540/1995	73W/25W	76/80	100°/21°
299024 Ennio S300/TW/3000/146W/50W/90/80/A100/A15	2990 x 57 x 81 ± 1mm	TW/3000	11080/3990	146W/50W	76/80	100°/15°
299028 Ennio S300/TW/3000/146W/50W/90/80/A100/A21	2990 x 57 x 81 ± 1mm	TW/3000	11080/3990	146W/50W	76/80	100°/21°