Ennio UP&DOWN PC

SUSPENDED | PI-LED SERIES

Ennio UP&DOWN PC 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.

Tunable white - Light color temperature can be adjusted to reflect the need or mood of the user. The light provided by the luminaires can be changed from warm to cold, in a range between 2700K - 6500K.

PI-LED - Combines variable white light and light of the RGB color system in one single light source. It can vary the color temperature between 2700K - 6500K along Planckian curve in the course of a day.

Ennio UP&DOWN PC has several series, determined by various add-on and controls:

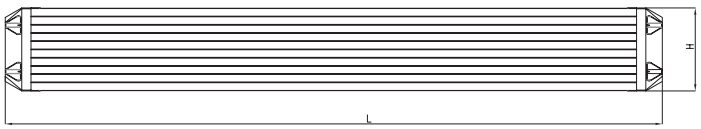
- Ennio UP&DOWN PC Non-DALI: the standard version
- Ennio UP&DOWN PC Non-DALI EM: the standard version with emergency option (UP)
- Ennio UP&DOWN PC DALI: with DALI controls for illumination adjustments
- Ennio UP&DOWN PC DALI EM: with DALI controls for illumination adjustments and emergency options (UP)
- Ennio UP&DOWN PC TW: the tunable white system with adjustable colour temperature
- Ennio UP&DOWN PC PI-LED - simulates the spectral quality of natural daylight over the entire day.

FEATURES & BENEFITS

- CRI 90 as standard
- Color temperatures (UP/DOWN): PI - LED
- Long rated life (UP/DOWN): L80/B10@50.000h at 25°C
- Luminaire efficiency (UP/DOWN): 58 lm/W @4000K

APPLICATION

Office | Healthcare | Hospitality | DIY



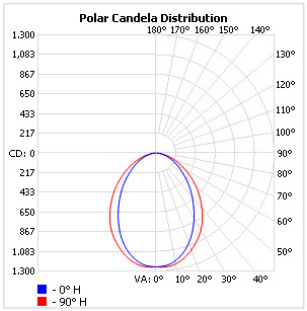
SPECIFICATIONS

Power consumption (UP)	40W	50W	80W	100W
Power consumption (DOWN)	40W	50W	80W	100W
Dimensions	1201 x 57 x 81 ± 1mm	1482 x 57 x 81 ± 1mm	2323 x 57 x 81 ± 1mm	2885 x 57 x 81 ± 1mm
Weight	3.4 kg	4.1 kg	6.2 kg	7.3 kg
DALI addresses	2 addresses	2 addresses	2 addresses	2 addresses
Housing materials	Aluminum & Polycarbonate			
IK code	IK02			
THD (at 230V, 50Hz, Full load)	<9%			
Protection class	Safety class 1			
Operating temperature [˚C]	+10°C ... +45°C / +50F ... +113F			
Operating humidity [%]	10 ÷ 85			
Power factor	≥0.95			
AC Input [Vac]	220 - 240 VAC			
Lens angle [˚] (UP/DOWN)	100°			
Lifespan [h]	50,000			
Housing color	● Anodised black			
Lumen maintenance (UP/DOWN)	L80/B10@50.000h at 25°C			
IP factor	IP20			
Control optional	DALI			
Warranty [years]	5			
Storage temperature range [°C]	-20°C ... +55°C / -4F ... +131F			
Emergency option	-			
Efficiency@4000K (UP/DOWN)	58 lm/W			

Light application	Standard
CRI	CRI 90
CCT [K] (UP/DOWN)	PI
MacAdam (UP/DOWN)	1

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

LIGHT DISTRIBUTION



100°

TOLERANCES

Luminous flux tolerances: -/+ 5%

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

BATTERY WARRANTY

Non-DALI EM & DALI EM: 12 months warranty

Non-DALI & DALI: -

MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT FOR DIMENSIONS 1214 X 57 X 81 ± 1MM AND 1501 X 57 X 81 ± 1MM

Luminaire Power(W)	Control type	Circuit Breaker Type					
		B			C		
		20	16	10	20	16	10
< 100W	Non-DALI	19	15	9	31	26	16
≥ 100W	Non-DALI	19	15	9	31	26	16
< 160W	DALI	13	10	6	22	17	10

MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT FOR DIMENSIONS 2362 X 57 X 81 ± 1MM AND 2936 X 57 X 81 ± 1MM

Luminaire Power(W)	Control type	Circuit Breaker Type					
		B			C		
		20	16	10	20	16	10
< 50W	Non-DALI	9	7	4	15	12	7
≥ 50W	Non-DALI	9	7	4	15	12	7
< 80W	DALI	6	5	3	11	8	5

RISK GROUP

Standard (CRI80)	RG1
FOOD (BVF, FBS, FSM)	RG1
FOOD ≤35W (FZM, FSH)	RG1
FOOD >35W (FZM, FSH)	RG2
FAS	RG1
AMB2200	RG1
ART	RG1
AGI	RG1
CRI90	RG1
CRI95	RG1
ENT	RG1

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.

RG2

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 "Moderate Risk (RG2)". 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.

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)
CRI 90						
2993980 Ennio S120/PI/40W/40W/90/A100	1201 x 57 x 81 ± 1mm	PI	2320/2320	40W/40W	58/58	100°
2993981 Ennio S150/PI/50W/50W/90/A100	1482 x 57 x 81 ± 1mm	PI	2900/2900	50W/50W	58/58	100°
2993982 Ennio S240/PI/80W/80W/90/A100	2323 x 57 x 81 ± 1mm	PI	4640/4640	80W/80W	58/58	100°
2993983 Ennio S300/PI/100W/100W/90/A100	2885 x 57 x 81 ± 1mm	PI	5800/5800	100W/100W	58/58	100°

PRODUCT CUSTOMIZATION

This product has a great customization capability for combining CRI and CCT.

Below we presented possible CRI / CCT options:

UP	DOWN
2700 CRI80	2400K CRI80
3000 CRI80	2700K CRI80
4000 CRI80	3000K CRI80
5000 CRI80	4000K CRI80
6500 CRI80	2700K CRI90
TW	2700K CRI90
PI	3000K CRI90
	4000K CRI90
	2700K CRI95
	3000K CRI95
	3500K CRI95
	4000K CRI95

For more information please send us a message using the contact form on our website.