

## Ennio R PC

### RECESSED | DALI SERIES

Ennio R PC is a versatile recessed luminaire. Ennio creates a mellow ambient, pleasant light, appropriate for office environments in particular. It can be equipped with dimming and emergency kits.

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

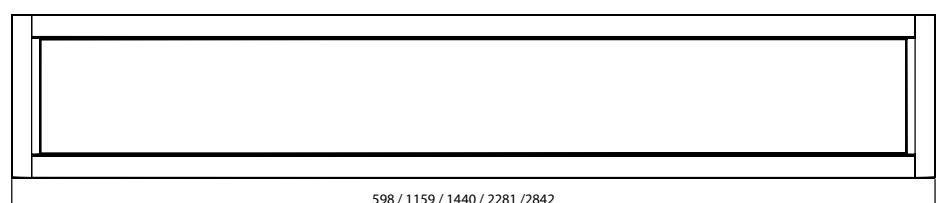
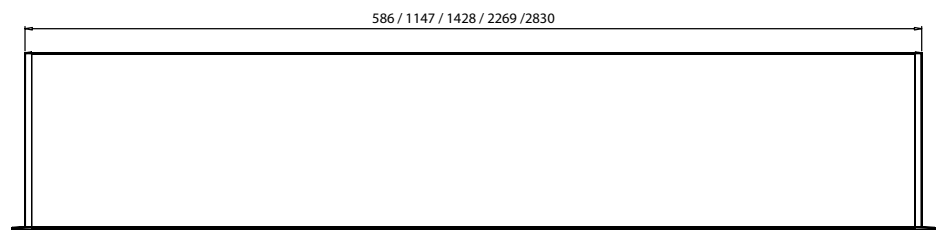
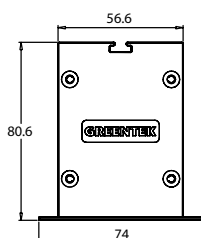
- Ennio R PC Non-DALI: the standard version
- Ennio R PC Non-DALI EM: the standard version with emergency option
- **Ennio R PC DALI: with DALI controls for illumination adjustments**
- Ennio R PC DALI EM: with DALI controls for illumination adjustments and emergency options

### FEATURES & BENEFITS

- CRI 80 as standard
- Color temperatures: 3000K, 4000K, 5000K and 6500K
- Long rated life: L90/B10@50.000h
- Luminaire efficiency: 113 lm/w @4000K

### APPLICATION

Office | Healthcare | Hospitality | DIY



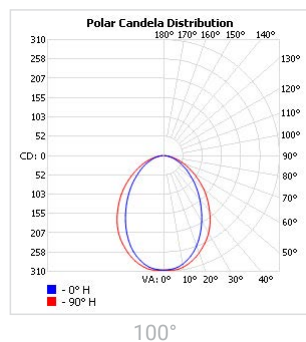
**SPECIFICATIONS**

Power consumption (W)	8, 15, 24	15, 25, 32, 38, 50	23, 33, 37, 50, 60	30, 50, 64, 76, 100	46, 66, 74, 100, 120
Dimensions (mm)	598 x 74 x 81 ± 1	1159 x 74 x 81 ± 1	1440 x 74 x 81 ± 1	2281 x 74 x 81 ± 1	2842 x 74 x 81 ± 1
Cut out Dimensions (mm)	586 x 57 ± 1	1147 x 57 ± 1	1428 x 57 ± 1	2269 x 57 ± 1	2830 x 57 ± 1
Weight (kg)	2.2	3.4	3.9	6	7.1
DALI addresses	1 address	1 address	1 address	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]	-20°C ... +45°C / -4F ... +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	○ White - RAL 9003, ● Anodised black, ● Anodised grey				
Lumen maintenance	L90/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	-				

Light application	Standard
CRI	CRI 80
CCT [K]	3000K, 4000K, 5000K, 6500K
MacAdam	4

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

**LIGHT DISTRIBUTION**



**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**

Power	Control type	Circuit Breaker Type					
		B			C		
		20	16	10	20	16	10
< 50W	Non-DALI	38	30	19	62	51	31
≥ 50W	Non-DALI	38	30	19	62	51	31
< 80W	DALI	27	21	13	45	35	21

**RISK GROUP**

<b>Standard (CRI80)</b>	RG1
<b>FOOD (BVF, FBS, FSM)</b>	RG1
<b>FOOD ≤35W (FZM, FSH)</b>	RG1
<b>FOOD &gt;35W (FZM, FSH)</b>	RG2
<b>FAS</b>	RG1
<b>AMB2200</b>	RG1
<b>ART</b>	RG1
<b>AGI</b>	RG1
<b>CRI90</b>	RG1
<b>CRI95</b>	RG1
<b>ENT</b>	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)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
<b>CRI 80</b>						
2B40000 EnnioR 60R/3000/8W/80/PC	598 x 74 x 81 mm	3000	705	8W	89	100°
2B40001 EnnioR 60R/4000/8W/80/PC	598 x 74 x 81 mm	4000	735	8W	92	100°
2B40002 EnnioR 60R/5000/8W/80/PC	598 x 74 x 81 mm	5000	755	8W	95	100°
2B40003 EnnioR 60R/6500/8W/80/PC	598 x 74 x 81 mm	6500	735	8W	92	100°
2B40004 EnnioR 60R/3000/15W/80/PC	598 x 74 x 81 mm	3000	1225	15W	82	100°
2B40005 EnnioR 60R/4000/15W/80/PC	598 x 74 x 81 mm	4000	1280	15W	86	100°
2B40006 EnnioR 60R/5000/15W/80/PC	598 x 74 x 81 mm	5000	1315	15W	88	100°
2B40007 EnnioR 60R/6500/15W/80/PC	598 x 74 x 81 mm	6500	1280	15W	86	100°
2B40008 EnnioR 60R/3000/24W/80/PC	598 x 74 x 81 mm	3000	1970	24W	83	100°
2B40009 EnnioR 60R/4000/24W/80/PC	598 x 74 x 81 mm	4000	2065	24W	87	100°
2B40010 EnnioR 60R/5000/24W/80/PC	598 x 74 x 81 mm	5000	2115	24W	89	100°
2B40011 EnnioR 60R/6500/24W/80/PC	598 x 74 x 81 mm	6500	2065	24W	87	100°
2B40012 EnnioR 120R/3000/15W/80/PC	1159 x 74 x 81mm	3000	1530	15W	102	100°
2B40013 EnnioR 120R/4000/15W/80/PC	1159 x 74 x 81mm	4000	1595	15W	107	100°
2B40014 EnnioR 120R/5000/15W/80/PC	1159 x 74 x 81mm	5000	1640	15W	110	100°
2B40015 EnnioR 120R/6500/15W/80/PC	1159 x 74 x 81mm	6500	1595	15W	107	100°
2B40016 EnnioR 120R/3000/25W/80/PC	1159 x 74 x 81mm	3000	2680	25W	108	100°
2B40017 EnnioR 120R/4000/25W/80/PC	1159 x 74 x 81mm	4000	2795	25W	112	100°
2B40018 EnnioR 120R/5000/25W/80/PC	1159 x 74 x 81mm	5000	2870	25W	115	100°
2B40019 EnnioR 120R/6500/25W/80/PC	1159 x 74 x 81mm	6500	2795	25W	112	100°
2B40020 EnnioR 120R/3000/32W/80/PC	1159 x 74 x 81mm	3000	3190	32W	100	100°
2B40021 EnnioR 120R/4000/32W/80/PC	1159 x 74 x 81mm	4000	3325	32W	104	100°
2B40022 EnnioR 120R/5000/32W/80/PC	1159 x 74 x 81mm	5000	3415	32W	107	100°
2B40023 EnnioR 120R/6500/32W/80/PC	1159 x 74 x 81mm	6500	3325	32W	104	100°
2B40024 EnnioR 120R/3000/38W/80/PC	1159 x 74 x 81mm	3000	3810	38W	101	100°
2B40025 EnnioR 120R/4000/38W/80/PC	1159 x 74 x 81mm	4000	3970	38W	105	100°
2B40026 EnnioR 120R/5000/38W/80/PC	1159 x 74 x 81mm	5000	4075	38W	108	100°
2B40027 EnnioR 120R/6500/38W/80/PC	1159 x 74 x 81mm	6500	3970	38W	105	100°
2B40028 EnnioR 120R/3000/50W/80/PC	1159 x 74 x 81mm	3000	4620	50W	93	100°
2B40029 EnnioR 120R/4000/50W/80/PC	1159 x 74 x 81mm	4000	4815	50W	97	100°
2B40030 EnnioR 120R/5000/50W/80/PC	1159 x 74 x 81mm	5000	4945	50W	99	100°
2B40031 EnnioR 120R/6500/50W/80/PC	1159 x 74 x 81mm	6500	4815	50W	97	100°
2B40032 EnnioR 150R/3000/23W/80/PC	1440 x 74 x 81 mm	3000	2450	23W	107	100°
2B40033 EnnioR 150R/4000/23W/80/PC	1440 x 74 x 81 mm	4000	2550	23W	111	100°
2B40034 EnnioR 150R/5000/23W/80/PC	1440 x 74 x 81 mm	5000	2620	23W	114	100°
2B40035 EnnioR 150R/6500/23W/80/PC	1440 x 74 x 81 mm	6500	2550	23W	111	100°
2B40036 EnnioR 150R/3000/33W/80/PC	1440 x 74 x 81 mm	3000	3555	33W	108	100°
2B40037 EnnioR 150R/4000/33W/80/PC	1440 x 74 x 81 mm	4000	3705	33W	113	100°
2B40038 EnnioR 150R/5000/33W/80/PC	1440 x 74 x 81 mm	5000	3805	33W	116	100°
2B40039 EnnioR 150R/6500/33W/80/PC	1440 x 74 x 81 mm	6500	3705	33W	113	100°
2B40040 EnnioR 150R/3000/37W/80/PC	1440 x 74 x 81 mm	3000	3810	37W	103	100°
2B40041 EnnioR 150R/4000/37W/80/PC	1440 x 74 x 81 mm	4000	3970	37W	108	100°
2B40042 EnnioR 150R/5000/37W/80/PC	1440 x 74 x 81 mm	5000	4075	37W	111	100°
2B40043 EnnioR 150R/6500/37W/80/PC	1440 x 74 x 81 mm	6500	3970	37W	108	100°
2B40044 EnnioR 150R/3000/50W/80/PC	1440 x 74 x 81 mm	3000	5000	50W	100	100°
2B40045 EnnioR 150R/4000/50W/80/PC	1440 x 74 x 81 mm	4000	5210	50W	105	100°
2B40046 EnnioR 150R/5000/50W/80/PC	1440 x 74 x 81 mm	5000	5355	50W	108	100°
2B40047 EnnioR 150R/6500/50W/80/PC	1440 x 74 x 81 mm	6500	5210	50W	105	100°
2B40048 EnnioR 150R/3000/60W/80/PC	1440 x 74 x 81 mm	3000	5750	60W	96	100°

## SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
<b>CRI 80</b>						
2B40049 EnnioR 150R/4000/60W/80/PC	1440 x 74 x 81 mm	4000	5995	60W	100	100°
2B40050 EnnioR 150R/5000/60W/80/PC	1440 x 74 x 81 mm	5000	6155	60W	103	100°
2B40051 EnnioR 150R/6500/60W/80/PC	1440 x 74 x 81 mm	6500	5995	60W	100	100°
2B40052 EnnioR 240R/3000/30W/80/PC	2281 x 74 x 81 mm	3000	3060	30W	102	100°
2B40053 EnnioR 240R/4000/30W/80/PC	2281 x 74 x 81 mm	4000	3190	30W	107	100°
2B40054 EnnioR 240R/5000/30W/80/PC	2281 x 74 x 81 mm	5000	3280	30W	110	100°
2B40055 EnnioR 240R/6500/30W/80/PC	2281 x 74 x 81 mm	6500	3190	30W	107	100°
2B40056 EnnioR 240R/3000/50W/80/PC	2281 x 74 x 81 mm	3000	5360	50W	108	100°
2B40057 EnnioR 240R/4000/50W/80/PC	2281 x 74 x 81 mm	4000	5590	50W	112	100°
2B40058 EnnioR 240R/5000/50W/80/PC	2281 x 74 x 81 mm	5000	5740	50W	115	100°
2B40059 EnnioR 240R/6500/50W/80/PC	2281 x 74 x 81 mm	6500	5590	50W	112	100°
2B40060 EnnioR 240R/3000/64W/80/PC	2281 x 74 x 81 mm	3000	6380	64W	100	100°
2B40061 EnnioR 240R/4000/64W/80/PC	2281 x 74 x 81 mm	4000	6650	64W	104	100°
2B40062 EnnioR 240R/5000/64W/80/PC	2281 x 74 x 81 mm	5000	6830	64W	107	100°
2B40063 EnnioR 240R/6500/64W/80/PC	2281 x 74 x 81 mm	6500	6650	64W	104	100°
2B40064 EnnioR 240R/3000/76W/80/PC	2281 x 74 x 81 mm	3000	7620	76W	101	100°
2B40065 EnnioR 240R/4000/76W/80/PC	2281 x 74 x 81 mm	4000	7940	76W	105	100°
2B40066 EnnioR 240R/5000/76W/80/PC	2281 x 74 x 81 mm	5000	8150	76W	108	100°
2B40067 EnnioR 240R/6500/76W/80/PC	2281 x 74 x 81 mm	6500	7940	76W	105	100°
2B40068 EnnioR 240R/3000/100W/80/PC	2281 x 74 x 81 mm	3000	9240	100W	93	100°
2B40069 EnnioR 240R/4000/100W/80/PC	2281 x 74 x 81 mm	4000	9630	100W	97	100°
2B40070 EnnioR 240R/5000/100W/80/PC	2281 x 74 x 81 mm	5000	9890	100W	99	100°
2B40071 EnnioR 240R/6500/100W/80/PC	2281 x 74 x 81 mm	6500	9630	100W	97	100°
2B40072 EnnioR 300R/3000/46W/80/PC	2842 x 74 x 81 mm	3000	4900	46W	107	100°
2B40073 EnnioR 300R/4000/46W/80/PC	2842 x 74 x 81 mm	4000	5100	46W	111	100°
2B40074 EnnioR 300R/5000/46W/80/PC	2842 x 74 x 81 mm	5000	5240	46W	114	100°
2B40075 EnnioR 300R/6500/46W/80/PC	2842 x 74 x 81 mm	6500	5100	46W	111	100°
2B40076 EnnioR 300R/3000/66W/80/PC	2842 x 74 x 81 mm	3000	7110	66W	108	100°
2B40077 EnnioR 300R/4000/66W/80/PC	2842 x 74 x 81 mm	4000	7410	66W	113	100°
2B40078 EnnioR 300R/5000/66W/80/PC	2842 x 74 x 81 mm	5000	7610	66W	116	100°
2B40079 EnnioR 300R/6500/66W/80/PC	2842 x 74 x 81 mm	6500	7410	66W	113	100°
2B40080 EnnioR 300R/3000/74W/80/PC	2842 x 74 x 81 mm	3000	7620	74W	103	100°
2B40081 EnnioR 300R/4000/74W/80/PC	2842 x 74 x 81 mm	4000	7940	74W	108	100°
2B40082 EnnioR 300R/5000/74W/80/PC	2842 x 74 x 81 mm	5000	8150	74W	111	100°
2B40083 EnnioR 300R/6500/74W/80/PC	2842 x 74 x 81 mm	6500	7940	74W	108	100°
2B40084 EnnioR 300R/3000/100W/80/PC	2842 x 74 x 81 mm	3000	10000	100W	100	100°
2B40085 EnnioR 300R/4000/100W/80/PC	2842 x 74 x 81 mm	4000	10420	100W	105	100°
2B40086 EnnioR 300R/5000/100W/80/PC	2842 x 74 x 81 mm	5000	10710	100W	108	100°
2B40087 EnnioR 300R/6500/100W/80/PC	2842 x 74 x 81 mm	6500	10420	100W	105	100°
2B40088 EnnioR 300R/3000/120W/80/PC	2842 x 74 x 81 mm	3000	11500	120W	96	100°
2B40089 EnnioR 300R/4000/120W/80/PC	2842 x 74 x 81 mm	4000	11990	120W	100	100°
2B40090 EnnioR 300R/5000/120W/80/PC	2842 x 74 x 81 mm	5000	12310	120W	103	100°
2B40091 EnnioR 300R/6500/120W/80/PC	2842 x 74 x 81 mm	6500	11990	120W	100	100°

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