

## Kaypro Phonic-Absorbent

### RECESSED | TEC EM SERIES

Kaypro PA is a sleek, minimalist luminaire, proven to provide high visual comfort and sound-absorption. Especially suitable for noisy offices, call-centers or companies that sell sound equipment. Promoting the smart lighting technology, this luminaire distributes the light in a pleasant way while contributing to a harmonious working atmosphere.

The Kaypro PA RE Family has several series, determined by various add-on and controls:

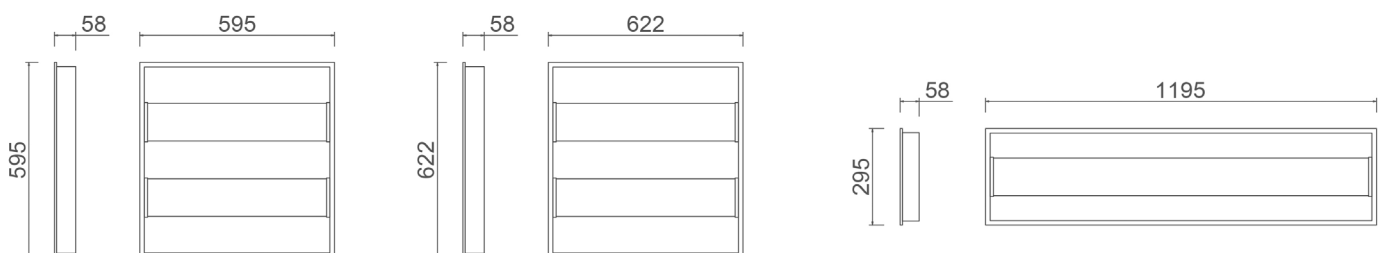
- Kaypro PA RE TEC the standard sound-absorbent for office spaces
- Kaypro PA RE TEC EM with emergency kits of 1h and 3h
- Kaypro PA RE ECO-DALI with DALI control option for illumination adjustments
- Kaypro PA RE ECO-DALI EM with both dimming and emergency

### FEATURES & BENEFITS

- Sound-absorbent: the noise reduction coefficient is 0.4, meaning reflected noise is reduced by 40% (as measured by ISO 354:2004 and ISO 11654:2005)
- Easy to install into a variety of ceiling types due to its modular concept
- Several color temperatures: 3000K, 4000K, 5000K and 6500K
- CRI 80 as standard
- Long rated life: L90/B10@50,000h
- Luminaire efficiency: 110 lm/W @4000K
- Equipped with 1h & 3h emergency kit
- UGR: 18-19

### APPLICATION

Office | Healthcare | Hospitality | DIY



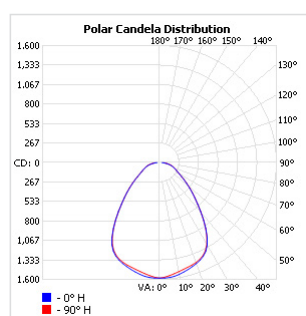
Specificații

Power consumption	32W, 38W, 50W		
Dimensions	595 x 595 x 58 ± 1mm	622 x 622 x 58 ± 1mm	1195 x 295 x 58 ± 1mm
Weight	6.3 - 6.4Kg	6.9 - 7.0Kg	6.3 - 6.4Kg
Housing materials	Steel sheet & Polycarbonate		
IK code	IK04		
THD (at 230V, 50Hz, Full load)	<8%		
Protection class	Safety class 1		
Operating temperature [°C]	+5C...+45C/+41F...+113F		
Operating humidity [%]	10 ÷ 85		
Power factor	≥0.95		
AC Input [Vac]	220 - 240 VAC		
Lens angle [°]	100°		
Lifespan [h]	50,000		
Housing color	○ RAL 9003 - Signal white		
Lumen maintenance	L90/B10@50.000h at 25°C		
IP factor	IP20		
Control optional	For product information please see <b>Kaypro PA RE ECO-DALI EM</b> datasheet		
Warranty [years]	5		
Storage temperature range [°C]	+5C ÷ +25C/+41F...+77F		
Emergency option	EM1H, EM3H		
Phonic absorbtion [αW]	0.4		

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



A110

**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)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
<b>CRI 80</b>						
111300 Kaypro 2L 6060/RE/3000/32W/80/PA/EM1H	595 x 595 x 58 ± 1mm	3000	3350	32W	105	100°
111301 Kaypro 2L 6060/RE/4000/32W/80/PA/EM1H	595 x 595 x 58 ± 1mm	4000	3490	32W	110	100°
111302 Kaypro 2L 6060/RE/5000/32W/80/PA/EM1H	595 x 595 x 58 ± 1mm	5000	3585	32W	113	100°
111303 Kaypro 2L 6060/RE/6500/32W/80/PA/EM1H	595 x 595 x 58 ± 1mm	6500	3490	32W	110	100°
111304 Kaypro 2L 6060/RE/3000/38W/80/PA/EM1H	595 x 595 x 58 ± 1mm	3000	3940	38W	104	100°
111305 Kaypro 2L 6060/RE/4000/38W/80/PA/EM1H	595 x 595 x 58 ± 1mm	4000	4105	38W	109	100°
111306 Kaypro 2L 6060/RE/5000/38W/80/PA/EM1H	595 x 595 x 58 ± 1mm	5000	4215	38W	111	100°
111307 Kaypro 2L 6060/RE/6500/38W/80/PA/EM1H	595 x 595 x 58 ± 1mm	6500	4105	38W	109	100°
111308 Kaypro 2L 6060/RE/3000/50W/80/PA/EM1H	595 x 595 x 58 ± 1mm	3000	4825	50W	97	100°
111309 Kaypro 2L 6060/RE/4000/50W/80/PA/EM1H	595 x 595 x 58 ± 1mm	4000	5030	50W	101	100°
111310 Kaypro 2L 6060/RE/5000/50W/80/PA/EM1H	595 x 595 x 58 ± 1mm	5000	5165	50W	104	100°
111311 Kaypro 2L 6060/RE/6500/50W/80/PA/EM1H	595 x 595 x 58 ± 1mm	6500	5030	50W	101	100°
111372 Kaypro 2L 6060/RE/3000/32W/80/PA/EM3H	595 x 595 x 58 ± 1mm	3000	3350	32W	105	100°
111373 Kaypro 2L 6060/RE/4000/32W/80/PA/EM3H	595 x 595 x 58 ± 1mm	4000	3490	32W	110	100°
111374 Kaypro 2L 6060/RE/5000/32W/80/PA/EM3H	595 x 595 x 58 ± 1mm	5000	3585	32W	113	100°
111375 Kaypro 2L 6060/RE/6500/32W/80/PA/EM3H	595 x 595 x 58 ± 1mm	6500	3490	32W	110	100°
111376 Kaypro 2L 6060/RE/3000/38W/80/PA/EM3H	595 x 595 x 58 ± 1mm	3000	3940	38W	104	100°
111377 Kaypro 2L 6060/RE/4000/38W/80/PA/EM3H	595 x 595 x 58 ± 1mm	4000	4105	38W	109	100°
111378 Kaypro 2L 6060/RE/5000/38W/80/PA/EM3H	595 x 595 x 58 ± 1mm	5000	4215	38W	111	100°
111379 Kaypro 2L 6060/RE/6500/38W/80/PA/EM3H	595 x 595 x 58 ± 1mm	6500	4105	38W	109	100°
111380 Kaypro 2L 6060/RE/3000/50W/80/PA/EM3H	595 x 595 x 58 ± 1mm	3000	4825	50W	97	100°
111381 Kaypro 2L 6060/RE/4000/50W/80/PA/EM3H	595 x 595 x 58 ± 1mm	4000	5030	50W	101	100°
111382 Kaypro 2L 6060/RE/5000/50W/80/PA/EM3H	595 x 595 x 58 ± 1mm	5000	5165	50W	104	100°
111383 Kaypro 2L 6060/RE/6500/50W/80/PA/EM3H	595 x 595 x 58 ± 1mm	6500	5030	50W	101	100°
111348 Kaypro 2L 6262/RE/3000/32W/80/PA/EM1H	622 x 622 x 58 ± 1mm	3000	3350	32W	105	100°
111349 Kaypro 2L 6262/RE/4000/32W/80/PA/EM1H	622 x 622 x 58 ± 1mm	4000	3490	32W	110	100°
111350 Kaypro 2L 6262/RE/5000/32W/80/PA/EM1H	622 x 622 x 58 ± 1mm	5000	3585	32W	113	100°
111351 Kaypro 2L 6262/RE/6500/32W/80/PA/EM1H	622 x 622 x 58 ± 1mm	6500	3490	32W	110	100°
111352 Kaypro 2L 6262/RE/3000/38W/80/PA/EM1H	622 x 622 x 58 ± 1mm	3000	3940	38W	104	100°
111353 Kaypro 2L 6262/RE/4000/38W/80/PA/EM1H	622 x 622 x 58 ± 1mm	4000	4105	38W	109	100°
111354 Kaypro 2L 6262/RE/5000/38W/80/PA/EM1H	622 x 622 x 58 ± 1mm	5000	4215	38W	111	100°
111355 Kaypro 2L 6262/RE/6500/38W/80/PA/EM1H	622 x 622 x 58 ± 1mm	6500	4105	38W	109	100°
111356 Kaypro 2L 6262/RE/3000/50W/80/PA/EM1H	622 x 622 x 58 ± 1mm	3000	4825	50W	97	100°
111357 Kaypro 2L 6262/RE/4000/50W/80/PA/EM1H	622 x 622 x 58 ± 1mm	4000	5030	50W	101	100°
111358 Kaypro 2L 6262/RE/5000/50W/80/PA/EM1H	622 x 622 x 58 ± 1mm	5000	5165	50W	104	100°
111359 Kaypro 2L 6262/RE/6500/50W/80/PA/EM1H	622 x 622 x 58 ± 1mm	6500	5030	50W	101	100°
111420 Kaypro 2L 6262/RE/3000/32W/80/PA/EM3H	622 x 622 x 58 ± 1mm	3000	3350	32W	105	100°
111421 Kaypro 2L 6262/RE/4000/32W/80/PA/EM3H	622 x 622 x 58 ± 1mm	4000	3490	32W	110	100°
111422 Kaypro 2L 6262/RE/5000/32W/80/PA/EM3H	622 x 622 x 58 ± 1mm	5000	3585	32W	113	100°
111423 Kaypro 2L 6262/RE/6500/32W/80/PA/EM3H	622 x 622 x 58 ± 1mm	6500	3490	32W	110	100°
111424 Kaypro 2L 6262/RE/3000/38W/80/PA/EM3H	622 x 622 x 58 ± 1mm	3000	3940	38W	104	100°
111425 Kaypro 2L 6262/RE/4000/38W/80/PA/EM3H	622 x 622 x 58 ± 1mm	4000	4105	38W	109	100°
111426 Kaypro 2L 6262/RE/5000/38W/80/PA/EM3H	622 x 622 x 58 ± 1mm	5000	4215	38W	111	100°
111427 Kaypro 2L 6262/RE/6500/38W/80/PA/EM3H	622 x 622 x 58 ± 1mm	6500	4105	38W	109	100°
111428 Kaypro 2L 6262/RE/3000/50W/80/PA/EM3H	622 x 622 x 58 ± 1mm	3000	4825	50W	97	100°
111429 Kaypro 2L 6262/RE/4000/50W/80/PA/EM3H	622 x 622 x 58 ± 1mm	4000	5030	50W	101	100°
111430 Kaypro 2L 6262/RE/5000/50W/80/PA/EM3H	622 x 622 x 58 ± 1mm	5000	5165	50W	104	100°
111431 Kaypro 2L 6262/RE/6500/50W/80/PA/EM3H	622 x 622 x 58 ± 1mm	6500	5030	50W	101	100°
111324 Kaypro 1L 12030/RE/3000/32W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	3000	3350	32W	105	100°
111325 Kaypro 1L 12030/RE/4000/32W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	4000	3490	32W	110	100°

## SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
<b>CRI 80</b>						
111326 Kaypro 1L 12030/RE/5000/32W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	5000	3585	32W	113	100°
111327 Kaypro 1L 12030/RE/6500/32W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	6500	3490	32W	110	100°
111328 Kaypro 1L 12030/RE/3000/38W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	3000	3940	38W	104	100°
111329 Kaypro 1L 12030/RE/4000/38W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	4000	4105	38W	109	100°
111330 Kaypro 1L 12030/RE/5000/38W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	5000	4215	38W	111	100°
111331 Kaypro 1L 12030/RE/6500/38W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	6500	4105	38W	109	100°
111332 Kaypro 1L 12030/RE/3000/50W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	3000	4825	50W	97	100°
111333 Kaypro 1L 12030/RE/4000/50W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	4000	5030	50W	101	100°
111334 Kaypro 1L 12030/RE/5000/50W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	5000	5165	50W	104	100°
111335 Kaypro 1L 12030/RE/6500/50W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	6500	5030	50W	101	100°
111396 Kaypro 1L 12030/RE/3000/32W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	3000	3350	32W	105	100°
111397 Kaypro 1L 12030/RE/4000/32W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	4000	3490	32W	110	100°
111398 Kaypro 1L 12030/RE/5000/32W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	5000	3585	32W	113	100°
111399 Kaypro 1L 12030/RE/6500/32W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	6500	3490	32W	110	100°
111400 Kaypro 1L 12030/RE/3000/38W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	3000	3940	38W	104	100°
111401 Kaypro 1L 12030/RE/4000/38W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	4000	4105	38W	109	100°
111402 Kaypro 1L 12030/RE/5000/38W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	5000	4215	38W	111	100°
111403 Kaypro 1L 12030/RE/6500/38W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	6500	4105	38W	109	100°
111404 Kaypro 1L 12030/RE/3000/50W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	3000	4825	50W	97	100°
111405 Kaypro 1L 12030/RE/4000/50W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	4000	5030	50W	101	100°
111406 Kaypro 1L 12030/RE/5000/50W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	5000	5165	50W	104	100°
111407 Kaypro 1L 12030/RE/6500/50W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	6500	5030	50W	101	100°