



## Kaypro Phonic-Absorbent

### RECESSED | ECO-DALI 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:

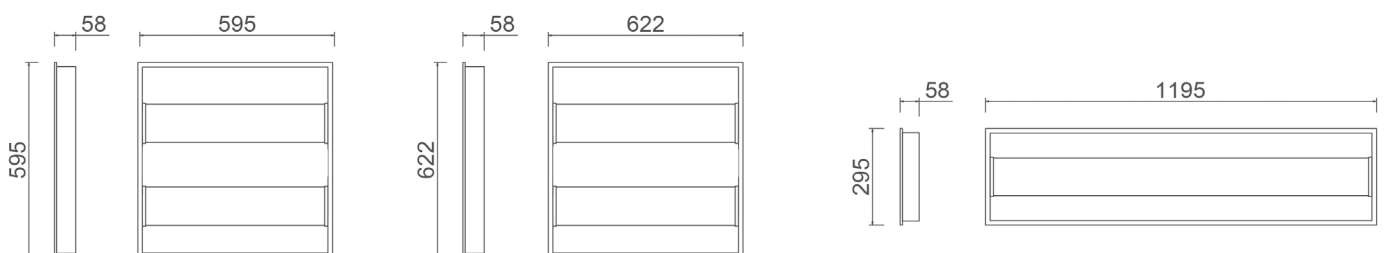
- Kaypro PA RE TEC the standard sound-absorbent for office spaces
- Kaypro PA RE TEC EM with emergency kits of 1h and 3h
- Kaypro PA RE ECO-DALI with DALI control option for illumination adjustments
- Kaypro PA RE ECO-DALI EM with both dimming and emergency

### 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: 110lm/W @4000K
- Equipped with 1h & 3h emergency kit
- UGR: 18-19

### APPLICATION

Office | Healthcare | Hospitality | DIY



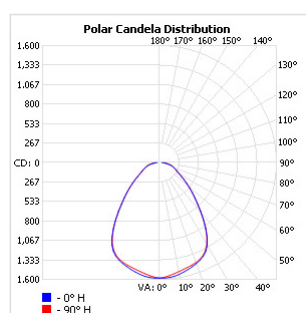
Specificații

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	7.0 - 7.1Kg	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	<b>ECO-DALI</b>		
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**

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**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**

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**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**

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

**TEC & ECO:** -

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

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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>						
211372 Kaypro 2L 6060/RE/3000/32W/80/PA/EM1H	595 x 595 x 58 ± 1mm	3000	3350	32W	105	100°
211373 Kaypro 2L 6060/RE/4000/32W/80/PA/EM1H	595 x 595 x 58 ± 1mm	4000	3490	32W	110	100°
211374 Kaypro 2L 6060/RE/5000/32W/80/PA/EM1H	595 x 595 x 58 ± 1mm	5000	3585	32W	113	100°
211375 Kaypro 2L 6060/RE/6500/32W/80/PA/EM1H	595 x 595 x 58 ± 1mm	6500	3490	32W	110	100°
211376 Kaypro 2L 6060/RE/3000/38W/80/PA/EM1H	595 x 595 x 58 ± 1mm	3000	3940	38W	104	100°
211377 Kaypro 2L 6060/RE/4000/38W/80/PA/EM1H	595 x 595 x 58 ± 1mm	4000	4105	38W	109	100°
211378 Kaypro 2L 6060/RE/5000/38W/80/PA/EM1H	595 x 595 x 58 ± 1mm	5000	4215	38W	111	100°
211379 Kaypro 2L 6060/RE/6500/38W/80/PA/EM1H	595 x 595 x 58 ± 1mm	6500	4105	38W	109	100°
211380 Kaypro 2L 6060/RE/3000/50W/80/PA/EM1H	595 x 595 x 58 ± 1mm	3000	4825	50W	97	100°
211381 Kaypro 2L 6060/RE/4000/50W/80/PA/EM1H	595 x 595 x 58 ± 1mm	4000	5030	50W	101	100°
211382 Kaypro 2L 6060/RE/5000/50W/80/PA/EM1H	595 x 595 x 58 ± 1mm	5000	5165	50W	104	100°
211383 Kaypro 2L 6060/RE/6500/50W/80/PA/EM1H	595 x 595 x 58 ± 1mm	6500	5030	50W	101	100°
211444 Kaypro 2L 6060/RE/3000/32W/80/PA/EM3H	595 x 595 x 58 ± 1mm	3000	3350	32W	105	100°
211445 Kaypro 2L 6060/RE/4000/32W/80/PA/EM3H	595 x 595 x 58 ± 1mm	4000	3490	32W	110	100°
211446 Kaypro 2L 6060/RE/5000/32W/80/PA/EM3H	595 x 595 x 58 ± 1mm	5000	3585	32W	113	100°
211447 Kaypro 2L 6060/RE/6500/32W/80/PA/EM3H	595 x 595 x 58 ± 1mm	6500	3490	32W	110	100°
211448 Kaypro 2L 6060/RE/3000/38W/80/PA/EM3H	595 x 595 x 58 ± 1mm	3000	3940	38W	104	100°
211449 Kaypro 2L 6060/RE/4000/38W/80/PA/EM3H	595 x 595 x 58 ± 1mm	4000	4105	38W	109	100°
211450 Kaypro 2L 6060/RE/5000/38W/80/PA/EM3H	595 x 595 x 58 ± 1mm	5000	4215	38W	111	100°
211451 Kaypro 2L 6060/RE/6500/38W/80/PA/EM3H	595 x 595 x 58 ± 1mm	6500	4105	38W	109	100°
211452 Kaypro 2L 6060/RE/3000/50W/80/PA/EM3H	595 x 595 x 58 ± 1mm	3000	4825	50W	97	100°
211453 Kaypro 2L 6060/RE/4000/50W/80/PA/EM3H	595 x 595 x 58 ± 1mm	4000	5030	50W	101	100°
211454 Kaypro 2L 6060/RE/5000/50W/80/PA/EM3H	595 x 595 x 58 ± 1mm	5000	5165	50W	104	100°
211455 Kaypro 2L 6060/RE/6500/50W/80/PA/EM3H	595 x 595 x 58 ± 1mm	6500	5030	50W	101	100°
211420 Kaypro 2L 6262/RE/3000/32W/80/PA/EM1H	622 x 622 x 58 ± 1mm	3000	3350	32W	105	100°
211421 Kaypro 2L 6262/RE/4000/32W/80/PA/EM1H	622 x 622 x 58 ± 1mm	4000	3490	32W	110	100°
211422 Kaypro 2L 6262/RE/5000/32W/80/PA/EM1H	622 x 622 x 58 ± 1mm	5000	3585	32W	113	100°
211423 Kaypro 2L 6262/RE/6500/32W/80/PA/EM1H	622 x 622 x 58 ± 1mm	6500	3490	32W	110	100°
211424 Kaypro 2L 6262/RE/3000/38W/80/PA/EM1H	622 x 622 x 58 ± 1mm	3000	3940	38W	104	100°
211425 Kaypro 2L 6262/RE/4000/38W/80/PA/EM1H	622 x 622 x 58 ± 1mm	4000	4105	38W	109	100°
211426 Kaypro 2L 6262/RE/5000/38W/80/PA/EM1H	622 x 622 x 58 ± 1mm	5000	4215	38W	111	100°
211427 Kaypro 2L 6262/RE/6500/38W/80/PA/EM1H	622 x 622 x 58 ± 1mm	6500	4105	38W	109	100°
211428 Kaypro 2L 6262/RE/3000/50W/80/PA/EM1H	622 x 622 x 58 ± 1mm	3000	4825	50W	97	100°
211429 Kaypro 2L 6262/RE/4000/50W/80/PA/EM1H	622 x 622 x 58 ± 1mm	4000	5030	50W	101	100°
211430 Kaypro 2L 6262/RE/5000/50W/80/PA/EM1H	622 x 622 x 58 ± 1mm	5000	5165	50W	104	100°
211431 Kaypro 2L 6262/RE/6500/50W/80/PA/EM1H	622 x 622 x 58 ± 1mm	6500	5030	50W	101	100°
211492 Kaypro 2L 6262/RE/3000/32W/80/PA/EM3H	622 x 622 x 58 ± 1mm	3000	3350	32W	105	100°
211493 Kaypro 2L 6262/RE/4000/32W/80/PA/EM3H	622 x 622 x 58 ± 1mm	4000	3490	32W	110	100°
211494 Kaypro 2L 6262/RE/5000/32W/80/PA/EM3H	622 x 622 x 58 ± 1mm	5000	3585	32W	113	100°
211495 Kaypro 2L 6262/RE/6500/32W/80/PA/EM3H	622 x 622 x 58 ± 1mm	6500	3490	32W	110	100°
211496 Kaypro 2L 6262/RE/3000/38W/80/PA/EM3H	622 x 622 x 58 ± 1mm	3000	3940	38W	104	100°
211497 Kaypro 2L 6262/RE/4000/38W/80/PA/EM3H	622 x 622 x 58 ± 1mm	4000	4105	38W	109	100°
211498 Kaypro 2L 6262/RE/5000/38W/80/PA/EM3H	622 x 622 x 58 ± 1mm	5000	4215	38W	111	100°
211499 Kaypro 2L 6262/RE/6500/38W/80/PA/EM3H	622 x 622 x 58 ± 1mm	6500	4105	38W	109	100°
211500 Kaypro 2L 6262/RE/3000/50W/80/PA/EM3H	622 x 622 x 58 ± 1mm	3000	4825	50W	97	100°
211501 Kaypro 2L 6262/RE/4000/50W/80/PA/EM3H	622 x 622 x 58 ± 1mm	4000	5030	50W	101	100°
211502 Kaypro 2L 6262/RE/5000/50W/80/PA/EM3H	622 x 622 x 58 ± 1mm	5000	5165	50W	104	100°
211503 Kaypro 2L 6262/RE/6500/50W/80/PA/EM3H	622 x 622 x 58 ± 1mm	6500	5030	50W	101	100°
211396 Kaypro 1L 12030/RE/3000/32W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	3000	3350	32W	105	100°
211397 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>						
211398 Kaypro 1L 12030/RE/5000/32W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	5000	3585	32W	113	100°
211399 Kaypro 1L 12030/RE/6500/32W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	6500	3490	32W	110	100°
211400 Kaypro 1L 12030/RE/3000/38W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	3000	3940	38W	104	100°
211401 Kaypro 1L 12030/RE/4000/38W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	4000	4105	38W	109	100°
211402 Kaypro 1L 12030/RE/5000/38W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	5000	4215	38W	111	100°
211403 Kaypro 1L 12030/RE/6500/38W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	6500	4105	38W	109	100°
211404 Kaypro 1L 12030/RE/3000/50W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	3000	4825	50W	97	100°
211405 Kaypro 1L 12030/RE/4000/50W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	4000	5030	50W	101	100°
211406 Kaypro 1L 12030/RE/5000/50W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	5000	5165	50W	104	100°
211407 Kaypro 1L 12030/RE/6500/50W/80/PA/EM1H	1195 x 295 x 58 ± 1mm	6500	5030	50W	101	100°
211468 Kaypro 1L 12030/RE/3000/32W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	3000	3350	32W	105	100°
211469 Kaypro 1L 12030/RE/4000/32W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	4000	3490	32W	110	100°
211470 Kaypro 1L 12030/RE/5000/32W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	5000	3585	32W	113	100°
211471 Kaypro 1L 12030/RE/6500/32W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	6500	3490	32W	110	100°
211472 Kaypro 1L 12030/RE/3000/38W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	3000	3940	38W	104	100°
211473 Kaypro 1L 12030/RE/4000/38W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	4000	4105	38W	109	100°
211474 Kaypro 1L 12030/RE/5000/38W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	5000	4215	38W	111	100°
211475 Kaypro 1L 12030/RE/6500/38W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	6500	4105	38W	109	100°
211476 Kaypro 1L 12030/RE/3000/50W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	3000	4825	50W	97	100°
211477 Kaypro 1L 12030/RE/4000/50W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	4000	5030	50W	101	100°
211478 Kaypro 1L 12030/RE/5000/50W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	5000	5165	50W	104	100°
211479 Kaypro 1L 12030/RE/6500/50W/80/PA/EM3H	1195 x 295 x 58 ± 1mm	6500	5030	50W	101	100°