



# Kaypro

## RECESSED | TEC EM SERIES

The Kaypro product family is a set of modular luminaires designed especially for modern office environments and retail spaces, with dropped ceilings. Highly modular, easy to install and maintain. Simple and compact design that supplies the maximum visual comfort. Comes in standard ceiling dimensions of 60x60 cm, 62x62 cm and 120x30 cm. It has three mounting options: recessed, surface mounted (60 x 60 cm; 120 x 30 cm) or suspended.

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

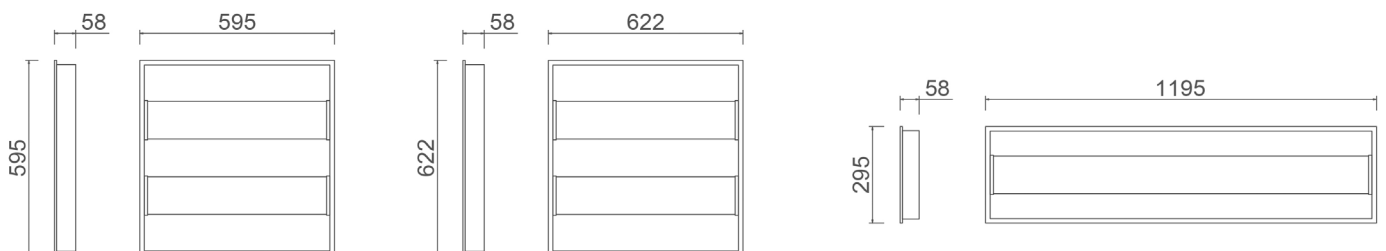
- Kaypro RE TEC – the standard for office spaces
- Kaypro RE TEC EM – with emergency lighting kit
- Kaypro RE ECO-DALI – with DALI controls for illumination adjustments
- Kaypro RE ECO-DALI EM - with both dimming and emergency kit

### Features & Benefits

- CRI 80 as standard
- 4 color temperatures: 3000K, 4000K, 5000K, 6500K
- Long rated life: L90/B10@50,000h
- Luminaire efficiency: 110 lm/W @4000K
- UGR: 18-19

### Applications & References

Office | Healthcare | Hospitality | DIY



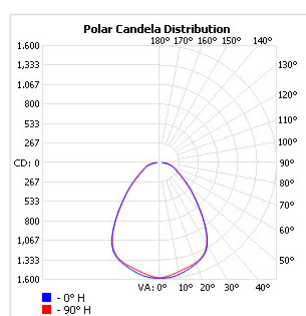
Specifications

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 RE ECO-DALI EM</b> datasheet		
Warranty [years]	5		
Storage temperature range [°C]	+5...+25°C / +41F ... +77F		
Emergency option	EM1H, EM3H		

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>						
111084 Kaypro 2L 6060/RE/3000/32W/80/EM1H	595 x 595 x 58 ± 1mm	3000	3350	32W	105	100°
111085 Kaypro 2L 6060/RE/4000/32W/80/EM1H	595 x 595 x 58 ± 1mm	4000	3490	32W	110	100°
111086 Kaypro 2L 6060/RE/5000/32W/80/EM1H	595 x 595 x 58 ± 1mm	5000	3585	32W	113	100°
111087 Kaypro 2L 6060/RE/6500/32W/80/EM1H	595 x 595 x 58 ± 1mm	6500	3490	32W	110	100°
111088 Kaypro 2L 6060/RE/3000/38W/80/EM1H	595 x 595 x 58 ± 1mm	3000	3940	38W	104	100°
111089 Kaypro 2L 6060/RE/4000/38W/80/EM1H	595 x 595 x 58 ± 1mm	4000	4105	38W	109	100°
111090 Kaypro 2L 6060/RE/5000/38W/80/EM1H	595 x 595 x 58 ± 1mm	5000	4215	38W	111	100°
111091 Kaypro 2L 6060/RE/6500/38W/80/EM1H	595 x 595 x 58 ± 1mm	6500	4105	38W	109	100°
111092 Kaypro 2L 6060/RE/3000/50W/80/EM1H	595 x 595 x 58 ± 1mm	3000	4825	50W	97	100°
111093 Kaypro 2L 6060/RE/4000/50W/80/EM1H	595 x 595 x 58 ± 1mm	4000	5030	50W	101	100°
111094 Kaypro 2L 6060/RE/5000/50W/80/EM1H	595 x 595 x 58 ± 1mm	5000	5165	50W	104	100°
111095 Kaypro 2L 6060/RE/6500/50W/80/EM1H	595 x 595 x 58 ± 1mm	6500	5030	50W	101	100°
111156 Kaypro 2L 6060/RE/3000/32W/80/EM3H	595 x 595 x 58 ± 1mm	3000	3350	32W	105	100°
111157 Kaypro 2L 6060/RE/4000/32W/80/EM3H	595 x 595 x 58 ± 1mm	4000	3490	32W	110	100°
111158 Kaypro 2L 6060/RE/5000/32W/80/EM3H	595 x 595 x 58 ± 1mm	5000	3585	32W	113	100°
111159 Kaypro 2L 6060/RE/6500/32W/80/EM3H	595 x 595 x 58 ± 1mm	6500	3490	32W	110	100°
111160 Kaypro 2L 6060/RE/3000/38W/80/EM3H	595 x 595 x 58 ± 1mm	3000	3940	38W	104	100°
111161 Kaypro 2L 6060/RE/4000/38W/80/EM3H	595 x 595 x 58 ± 1mm	4000	4105	38W	109	100°
111162 Kaypro 2L 6060/RE/5000/38W/80/EM3H	595 x 595 x 58 ± 1mm	5000	4215	38W	111	100°
111163 Kaypro 2L 6060/RE/6500/38W/80/EM3H	595 x 595 x 58 ± 1mm	6500	4105	38W	109	100°
111164 Kaypro 2L 6060/RE/3000/50W/80/EM3H	595 x 595 x 58 ± 1mm	3000	4825	50W	97	100°
111165 Kaypro 2L 6060/RE/4000/50W/80/EM3H	595 x 595 x 58 ± 1mm	4000	5030	50W	101	100°
111166 Kaypro 2L 6060/RE/5000/50W/80/EM3H	595 x 595 x 58 ± 1mm	5000	5165	50W	104	100°
111167 Kaypro 2L 6060/RE/6500/50W/80/EM3H	595 x 595 x 58 ± 1mm	6500	5030	50W	101	100°
111132 Kaypro 2L 6262/RE/3000/32W/80/EM1H	595 x 595 x 58 ± 1mm	3000	3350	32W	105	100°
111133 Kaypro 2L 6262/RE/4000/32W/80/EM1H	595 x 595 x 58 ± 1mm	4000	3490	32W	110	100°
111134 Kaypro 2L 6262/RE/5000/32W/80/EM1H	595 x 595 x 58 ± 1mm	5000	3585	32W	113	100°
111135 Kaypro 2L 6262/RE/6500/32W/80/EM1H	595 x 595 x 58 ± 1mm	6500	3490	32W	110	100°
111136 Kaypro 2L 6262/RE/3000/38W/80/EM1H	595 x 595 x 58 ± 1mm	3000	3940	38W	104	100°
111137 Kaypro 2L 6262/RE/4000/38W/80/EM1H	595 x 595 x 58 ± 1mm	4000	4105	38W	109	100°
111138 Kaypro 2L 6262/RE/5000/38W/80/EM1H	595 x 595 x 58 ± 1mm	5000	4215	38W	111	100°
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111141 Kaypro 2L 6262/RE/4000/50W/80/EM1H	595 x 595 x 58 ± 1mm	4000	5030	50W	101	100°
111142 Kaypro 2L 6262/RE/5000/50W/80/EM1H	595 x 595 x 58 ± 1mm	5000	5165	50W	104	100°
111143 Kaypro 2L 6262/RE/6500/50W/80/EM1H	595 x 595 x 58 ± 1mm	6500	5030	50W	101	100°
111204 Kaypro 2L 6262/RE/3000/32W/80/EM3H	595 x 595 x 58 ± 1mm	3000	3350	32W	105	100°
111205 Kaypro 2L 6262/RE/4000/32W/80/EM3H	595 x 595 x 58 ± 1mm	4000	3490	32W	110	100°
111206 Kaypro 2L 6262/RE/5000/32W/80/EM3H	595 x 595 x 58 ± 1mm	5000	3585	32W	113	100°
111207 Kaypro 2L 6262/RE/6500/32W/80/EM3H	595 x 595 x 58 ± 1mm	6500	3490	32W	110	100°
111208 Kaypro 2L 6262/RE/3000/38W/80/EM3H	595 x 595 x 58 ± 1mm	3000	3940	38W	104	100°
111209 Kaypro 2L 6262/RE/4000/38W/80/EM3H	595 x 595 x 58 ± 1mm	4000	4105	38W	109	100°
111210 Kaypro 2L 6262/RE/5000/38W/80/EM3H	595 x 595 x 58 ± 1mm	5000	4215	38W	111	100°
111211 Kaypro 2L 6262/RE/6500/38W/80/EM3H	595 x 595 x 58 ± 1mm	6500	4105	38W	109	100°
111212 Kaypro 2L 6262/RE/3000/50W/80/EM3H	595 x 595 x 58 ± 1mm	3000	4825	50W	97	100°
111213 Kaypro 2L 6262/RE/4000/50W/80/EM3H	595 x 595 x 58 ± 1mm	4000	5030	50W	101	100°
111214 Kaypro 2L 6262/RE/5000/50W/80/EM3H	595 x 595 x 58 ± 1mm	5000	5165	50W	104	100°
111215 Kaypro 2L 6262/RE/6500/50W/80/EM3H	595 x 595 x 58 ± 1mm	6500	5030	50W	101	100°
111108 Kaypro 1L 12030/RE/3000/32W/80/EM1H	1195 x 295 x 58 ± 1mm	3000	3350	32W	105	100°
111109 Kaypro 1L 12030/RE/4000/32W/80/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>						
111110 Kaypro 1L 12030/RE/5000/32W/80/EM1H	1195 x 295 x 58 ± 1mm	5000	3585	32W	113	100°
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111119 Kaypro 1L 12030/RE/6500/50W/80/EM1H	1195 x 295 x 58 ± 1mm	6500	5030	50W	101	100°
111180 Kaypro 1L 12030/RE/3000/32W/80/EM3H	1195 x 295 x 58 ± 1mm	3000	3350	32W	105	100°
111181 Kaypro 1L 12030/RE/4000/32W/80/EM3H	1195 x 295 x 58 ± 1mm	4000	3490	32W	110	100°
111182 Kaypro 1L 12030/RE/5000/32W/80/EM3H	1195 x 295 x 58 ± 1mm	5000	3585	32W	113	100°
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111191 Kaypro 1L 12030/RE/6500/50W/80/EM3H	1195 x 295 x 58 ± 1mm	6500	5030	50W	101	100°