



## CRE AL UTS

### SHELF LUMINAIRES | **TEC SERIES**

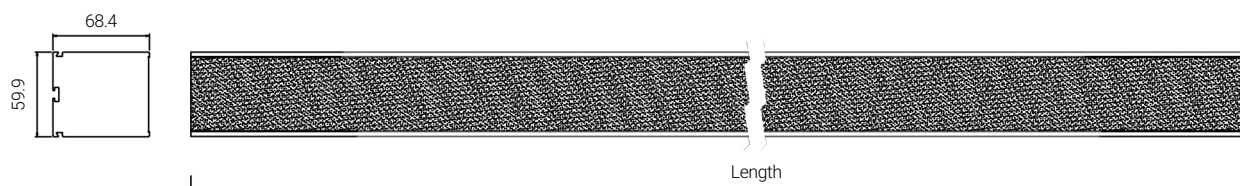
CRE is a customized luminaire that successfully replaces the typical fluorescent tubes lining the shelves in supermarkets and other retail applications such as DIYs and electronic shops. CRE is mounted on the outside part of the shelf and illuminates the opposite shelf. Its long shape makes it suitable for any type of cabinet, display case or shelf.

### FEATURES & BENEFITS

- CRI 80 as standard
- 4 color temperatures: 3000K, 4000K, 5000K, 6500K
- Long rated life: L90/B10@50.000h
- Luminaire efficiency: 106 lm/w @4000K

### APPLICATION

Grocery & Supermarket | Retail | DIY



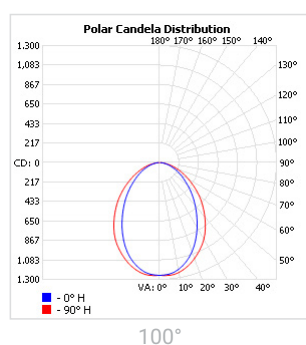
## SPECIFICATIONS

Power consumption	27W, 32W	39W, 46W	52W, 60W	60W
Dimensions	1204 x 68.4 x 59.90 ± 1mm	1796 x 68.4 x 59.90 ± 1mm	2291 x 68.4 x 59.90 ± 1mm	2544 x 68.4 x 59.90 ± 1mm
Weight	2.2Kg	3.1Kg	4.4Kg	4.5Kg
Housing materials	Aluminum & Polycarbonate			
IK code	IK04			
THD (at 230V, 50Hz, Full load)	<8%			
Protection class	Safety class 1			
Operating temperature [°C]	-20 ... +45 °C / -4F ... +113F			
Operating humidity [%]	10 ÷ 85			
Power factor	≥0.95			
AC Input [Vac]	220 - 240 VAC			
Lens angle [°]	100°			
Lifespan [h]	50,000			
Housing color	● Anodised grey			
Lumen maintenance	L90/B10@50.000h at 25°C			
IP factor	IP20			
Control optional	-			
Warranty [years]	5			
Storage temperature range [°C]	-20...+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



**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>						
138000 CRE AL UTS 1200mm/3000/27W/80	1204 x 68.4 x 59.90 ± 1mm	3000	2730	27W	102	100°
138001 CRE AL UTS 1200mm/4000/27W/80	1204 x 68.4 x 59.90 ± 1mm	4000	2845	27W	106	100°
138002 CRE AL UTS 1200mm/5000/27W/80	1204 x 68.4 x 59.90 ± 1mm	5000	2925	27W	109	100°
138003 CRE AL UTS 1200mm/6500/27W/80	1204 x 68.4 x 59.90 ± 1mm	6500	2845	27W	106	100°
138004 CRE AL UTS 1200mm/3000/32W/80	1204 x 68.4 x 59.90 ± 1mm	3000	3235	32W	102	100°
138005 CRE AL UTS 1200mm/4000/32W/80	1204 x 68.4 x 59.90 ± 1mm	4000	3370	32W	106	100°
138006 CRE AL UTS 1200mm/5000/32W/80	1204 x 68.4 x 59.90 ± 1mm	5000	3465	32W	109	100°
138007 CRE AL UTS 1200mm/6500/32W/80	1204 x 68.4 x 59.90 ± 1mm	6500	3370	32W	106	100°
138008 CRE AL UTS 1800mm/3000/39W/80	1796 x 68.4 x 59.90 ± 1mm	3000	3940	39W	101	100°
138009 CRE AL UTS 1800mm/4000/39W/80	1796 x 68.4 x 59.90 ± 1mm	4000	4095	39W	105	100°
138010 CRE AL UTS 1800mm/5000/39W/80	1796 x 68.4 x 59.90 ± 1mm	5000	4210	39W	108	100°
138011 CRE AL UTS 1800mm/6500/39W/80	1796 x 68.4 x 59.90 ± 1mm	6500	4095	39W	105	100°
138012 CRE AL UTS 1800mm/3000/46W/80	1796 x 68.4 x 59.90 ± 1mm	3000	4650	46W	101	100°
138013 CRE AL UTS 1800mm/4000/46W/80	1796 x 68.4 x 59.90 ± 1mm	4000	4830	46W	105	100°
138014 CRE AL UTS 1800mm/5000/46W/80	1796 x 68.4 x 59.90 ± 1mm	5000	4965	46W	108	100°
138015 CRE AL UTS 1800mm/6500/46W/80	1796 x 68.4 x 59.90 ± 1mm	6500	4830	46W	105	100°
138016 CRE AL UTS 2500mm/3000/52W/80	2291 x 68.4 x 59.90 ± 1mm	3000	5200	52W	100	100°
138017 CRE AL UTS 2500mm/4000/52W/80	2291 x 68.4 x 59.90 ± 1mm	4000	5405	52W	104	100°
138018 CRE AL UTS 2500mm/5000/52W/80	2291 x 68.4 x 59.90 ± 1mm	5000	5560	52W	107	100°
138019 CRE AL UTS 2500mm/6500/52W/80	2291 x 68.4 x 59.90 ± 1mm	6500	5405	52W	104	100°
138020 CRE AL UTS 2500mm/3000/60W/80	2291 x 68.4 x 59.90 ± 1mm	3000	6000	60W	100	100°
138021 CRE AL UTS 2500mm/4000/60W/80	2291 x 68.4 x 59.90 ± 1mm	4000	6235	60W	104	100°
138022 CRE AL UTS 2500mm/5000/60W/80	2291 x 68.4 x 59.90 ± 1mm	5000	6410	60W	107	100°
138023 CRE AL UTS 2500mm/6500/60W/80	2291 x 68.4 x 59.90 ± 1mm	6500	6235	60W	104	100°
138024 CRE AL UTS 2544mm/3000/60W/80	2544 x 68.4 x 59.90 ± 1mm	3000	6000	60W	100	100°
138025 CRE AL UTS 2544mm/4000/60W/80	2544 x 68.4 x 59.90 ± 1mm	4000	6235	60W	104	100°
138026 CRE AL UTS 2544mm/5000/60W/80	2544 x 68.4 x 59.90 ± 1mm	5000	6410	60W	107	100°
138027 CRE AL UTS 2544mm/6500/60W/80	2544 x 68.4 x 59.90 ± 1mm	6500	6235	60W	104	100°