



CRE AL T UTS

SHELF LUMINAIRES | TEC SERIES

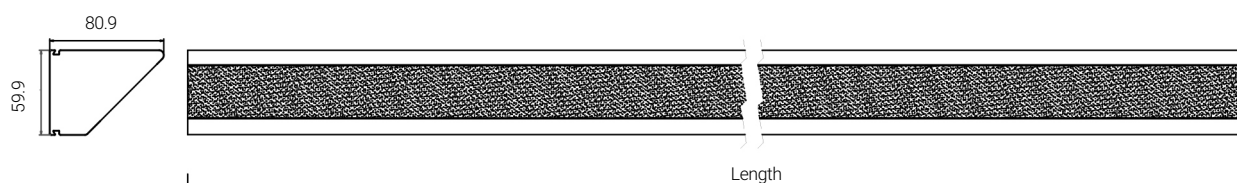
CRE is a customized luminaire that successfully replaces the typical fluorescent tubes lining the shelves in supermarkets and other retail applications such as DIYs and electronic shops. CRE is mounted on the outside part of the shelf and illuminates the opposite shelf. Its long shape makes it suitable 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: 124 lm/w @4000K

APPLICATION

Grocery & Supermarket | Retail | DIY



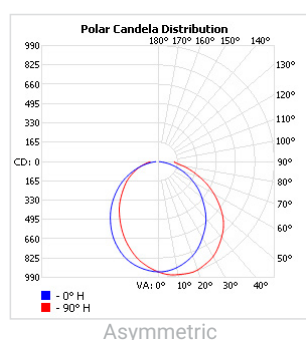
SPECIFICATIONS

Power consumption	15W, 24W	27W, 32W	39W, 46W	52W, 60W	60W
Dimensions	596x80.9x59.90 ± 1mm	1204x80.9x59.90 ± 1mm	1796x80.9x59.90 ± 1mm	2291x80.9x59.90 ± 1mm	2544x80.9x59.90 ± 1mm
Weight	1.1Kg	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 [°]	Asymmetric				
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 (°)
CRI 80						
139032 CRE AL T-UTS 600mm/3000/24W/80	596 x 80.9 x 59.90 ± 1mm	3000	2710	24W	113	Asymmetric
139033 CRE AL T-UTS 600mm/4000/24W/80	596 x 80.9 x 59.90 ± 1mm	4000	2825	24W	118	Asymmetric
139034 CRE AL T-UTS 600mm/5000/24W/80	596 x 80.9 x 59.90 ± 1mm	5000	2900	24W	121	Asymmetric
139035 CRE AL T-UTS 600mm/6500/24W/80	596 x 80.9 x 59.90 ± 1mm	6500	2825	24W	118	Asymmetric
139036 CRE AL T-UTS 600mm/3000/15W/80	596 x 80.9 x 59.90 ± 1mm	3000	1695	15W	113	Asymmetric
139037 CRE AL T-UTS 600mm/4000/15W/80	596 x 80.9 x 59.90 ± 1mm	4000	1765	15W	118	Asymmetric
139038 CRE AL T-UTS 600mm/5000/15W/80	596 x 80.9 x 59.90 ± 1mm	5000	1815	15W	121	Asymmetric
139039 CRE AL T-UTS 600mm/6500/15W/80	596 x 80.9 x 59.90 ± 1mm	6500	1765	15W	118	Asymmetric
139000 CRE AL T-UTS 1200mm/3000/27W/80	1204 x 80.9 x 59.90 ± 1mm	3000	3205	27W	119	Asymmetric
139001 CRE AL T-UTS 1200mm/4000/27W/80	1204 x 80.9 x 59.90 ± 1mm	4000	3340	27W	124	Asymmetric
139002 CRE AL T-UTS 1200mm/5000/27W/80	1204 x 80.9 x 59.90 ± 1mm	5000	3435	27W	128	Asymmetric
139003 CRE AL T-UTS 1200mm/6500/27W/80	1204 x 80.9 x 59.90 ± 1mm	6500	3340	27W	124	Asymmetric
139004 CRE AL T-UTS 1200mm/3000/32W/80	1204 x 80.9 x 59.90 ± 1mm	3000	3800	32W	119	Asymmetric
139005 CRE AL T-UTS 1200mm/4000/32W/80	1204 x 80.9 x 59.90 ± 1mm	4000	3960	32W	124	Asymmetric
139006 CRE AL T-UTS 1200mm/5000/32W/80	1204 x 80.9 x 59.90 ± 1mm	5000	4070	32W	128	Asymmetric
139007 CRE AL T-UTS 1200mm/6500/32W/80	1204 x 80.9 x 59.90 ± 1mm	6500	3960	32W	124	Asymmetric
139008 CRE AL T-UTS 1800mm/3000/39W/80	1796 x 80.9 x 59.90 ± 1mm	3000	4595	39W	118	Asymmetric
139009 CRE AL T-UTS 1800mm/4000/39W/80	1796 x 80.9 x 59.90 ± 1mm	4000	4790	39W	123	Asymmetric
139010 CRE AL T-UTS 1800mm/5000/39W/80	1796 x 80.9 x 59.90 ± 1mm	5000	4945	39W	127	Asymmetric
139011 CRE AL T-UTS 1800mm/6500/39W/80	1796 x 80.9 x 59.90 ± 1mm	6500	4790	39W	123	Asymmetric
139012 CRE AL T-UTS 1800mm/3000/46W/80	1796 x 80.9 x 59.90 ± 1mm	3000	5420	46W	118	Asymmetric
139013 CRE AL T-UTS 1800mm/4000/46W/80	1796 x 80.9 x 59.90 ± 1mm	4000	5650	46W	123	Asymmetric
139014 CRE AL T-UTS 1800mm/5000/46W/80	1796 x 80.9 x 59.90 ± 1mm	5000	5830	46W	127	Asymmetric
139015 CRE AL T-UTS 1800mm/6500/46W/80	1796 x 80.9 x 59.90 ± 1mm	6500	5650	46W	123	Asymmetric
139016 CRE AL T-UTS 2500mm/3000/52W/80	2291 x 80.9 x 59.90 ± 1mm	3000	6065	52W	117	Asymmetric
139017 CRE AL T-UTS 2500mm/4000/52W/80	2291 x 80.9 x 59.90 ± 1mm	4000	6320	52W	122	Asymmetric
139018 CRE AL T-UTS 2500mm/5000/52W/80	2291 x 80.9 x 59.90 ± 1mm	5000	6525	52W	126	Asymmetric
139019 CRE AL T-UTS 2500mm/6500/52W/80	2291 x 80.9 x 59.90 ± 1mm	6500	6320	52W	122	Asymmetric
139020 CRE AL T-UTS 2500mm/3000/60W/80	2291 x 80.9 x 59.90 ± 1mm	3000	7000	60W	117	Asymmetric
139021 CRE AL T-UTS 2500mm/4000/60W/80	2291 x 80.9 x 59.90 ± 1mm	4000	7295	60W	122	Asymmetric
139022 CRE AL T-UTS 2500mm/5000/60W/80	2291 x 80.9 x 59.90 ± 1mm	5000	7530	60W	126	Asymmetric
139023 CRE AL T-UTS 2500mm/6500/60W/80	2291 x 80.9 x 59.90 ± 1mm	6500	7295	60W	122	Asymmetric
139028 CRE AL T-UTS 2544mm/3000/52W/80	2544 x 80.9 x 59.90 ± 1mm	3000	6065	52W	117	Asymmetric
139029 CRE AL T-UTS 2544mm/4000/52W/80	2544 x 80.9 x 59.90 ± 1mm	4000	6320	52W	122	Asymmetric
139030 CRE AL T-UTS 2544mm/5000/52W/80	2544 x 80.9 x 59.90 ± 1mm	5000	6525	52W	126	Asymmetric
139031 CRE AL T-UTS 2544mm/6500/52W/80	2544 x 80.9 x 59.90 ± 1mm	6500	6320	52W	122	Asymmetric
139024 CRE AL T-UTS 2544mm/3000/60W/80	2544 x 80.9 x 59.90 ± 1mm	3000	7000	60W	117	Asymmetric
139025 CRE AL T-UTS 2544mm/4000/60W/80	2544 x 80.9 x 59.90 ± 1mm	4000	7295	60W	122	Asymmetric
139026 CRE AL T-UTS 2544mm/5000/60W/80	2544 x 80.9 x 59.90 ± 1mm	5000	7530	60W	126	Asymmetric
139027 CRE AL T-UTS 2544mm/6500/60W/80	2544 x 80.9 x 59.90 ± 1mm	6500	7295	60W	122	Asymmetric