

Kupfer Anti-Glare Series

Housing and Trim: Die-cast aluminium
 Mounting type: Recess
 Heat Management: Die-cast aluminium heat sink
 Reflector: Metalized dark, silver polycarbonate, optional for gold, black & white
 Diffuser: Acrylic clear

LED Modules
 GERMAN Technology
 Comfort COB - 600lm - 2,800lm
 Long service life time : 50,000 hours (L80/B10)
 Ambient temperature : -40°C to +40°C

Drivers: 150mA / 250mA / 350mA / 500mA
 (optional: Dimmable available)
 Power factor at full load : > 0.97
 SELV , Low Ripple current < 1% , THD <15%
 Warranty: 5 years

Standards
 EN 620301: LED modules for general lighting - Safety specification
 EN 62471: Photobiological safety of lamps and systems
 EN 55015: Radio disturbance emissions
 EN 61000-3-2 Limited for harmonic emissions
 EN 61547: Immunity requirements



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Application: Commercial Building, Lobby, Conventional Hall, Ballroom, Concourse

Model	Wattage	Voltage	Frequency	Power Factor	Colour	Colour Temperature	Module Luminous Flux (Lm)	Module Efficacy Lm/W	Typ. Beam Angle	Typ. CRI Ra	Energy Efficiency	Dimension (Dia x H) mm	Dimension (Cut out) mm
K3R-3-4W	4.2W	220-240	50/60Hz	0.9	Warm white	2700K	615	148	15, 23, 38	>80	A+	68 x 80	55
		220-240	50/60Hz	0.9	Warm white	3000K	645	155	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	665	160	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	670	161	15, 23, 38	>80	A+		
K3R-4-8W	8.4W	220-240	50/60Hz	0.9	Warm white	2700K	1275	151	15, 23, 38	>80	A+	84 x 105	75
		220-240	50/60Hz	0.9	Warm white	3000K	1345	159	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	1385	164	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	1395	165	15, 23, 38	>80	A+		
K3R-4-12W	12.2W	220-240	50/60Hz	0.9	Warm white	2700K	1720	141	15, 23, 38	>80	A+	84 x 105	75
		220-240	50/60Hz	0.9	Warm white	3000K	1810	149	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	1865	153	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	1885	155	15, 23, 38	>80	A+		
K3R-5-17W	17.3W	220-240	50/60Hz	0.9	Warm white	2700K	2585	149	15, 23, 38	>80	A+	110 x 131	95
		220-240	50/60Hz	0.9	Warm white	3000K	2725	158	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	2805	162	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	2860	165	15, 23, 38	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	2830	164	15, 23, 38	>80	A+		

*Colour tolerance: 3 MacAdam **Production tolerance of luminous flux and efficiency: ±10% ***Min. CRI ±3% ****Power consumption: ±10%
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K3R-6-25W	25.1W	220-240	50/60Hz	0.9	Warm white	2700K	3445	137	15, 23, 38	>80	A+	142 x 153	125
					Warm white	3000K	3625	144	15, 23, 38	>80	A+		
					Neutral white	4000K	3730	148	15, 23, 38	>80	A+		
					Cool white	5000K	3805	151	15, 23, 38	>80	A+		
					Cool white	5700K	3765	150	15, 23, 38	>80	A+		
K3R-6-29W	29.2W	220-240	50/60Hz	0.9	Warm white	2700K	3830	131	15, 23, 38	>80	A+	142 x 153	125
					Warm white	3000K	4035	138	15, 23, 38	>80	A+		
					Neutral white	4000K	4155	142	15, 23, 38	>80	A+		
					Cool white	5000K	4235	145	15, 23, 38	>80	A+		
					Cool white	5700K	4195	144	15, 23, 38	>80	A+		
K3R-7-32W	32.0W	220-240	50/60Hz	0.9	Warm white	2700K	4455	139	15, 23, 38	>80	A+	165 x 178	150
					Warm white	3000K	4690	147	15, 23, 38	>80	A+		
					Neutral white	4000K	4830	151	15, 23, 38	>80	A+		
					Cool white	5000K	4920	154	15, 23, 38	>80	A+		
					Cool white	5700K	4875	152	15, 23, 38	>80	A+		
K3R-7-38W	38.0W	220-240	50/60Hz	0.9	Warm white	2700K	5045	133	15, 23, 38	>80	A+	165 x 178	150
					Warm white	3000K	5310	140	15, 23, 38	>80	A+		
					Neutral white	3500K	5465	144	15, 23, 38	>80	A+		
					Cool white	4000K	5575	147	15, 23, 38	>80	A+		
					Cool white	5700K	5520	145	15, 23, 38	>80	A+		

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