

## Ziege Anti-Glare Series

Housing and Trim: Die-cast aluminium  
 Mounting type: Surface  
 Heat Management: Die-cast aluminium heat sink  
 Reflector: Polycarbonate aluminium coated  
 Diffuser: Prismatic

LED Modules  
 GERMAN Technology  
 Comfort COB - 600lm - 1,800lm  
 Long service life time : 50,000 hours (L80/B10)  
 Ambient temperature : -40°C to +40°C

Drivers: 150mA / 250mA / 300mA / 350mA  
 (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 requirement

Powered by:



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
ZSR-2-4W-R1	4.2W	220-240	50/60Hz	0.9	Warm white	2700K	615	148	50	>80	A+	90 x 90	
		220-240	50/60Hz	0.9	Warm white	3000K	645	155	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	665	160	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	670	161	50	>80	A+		
ZSR-3-8W-R1	8.4W	220-240	50/60Hz	0.9	Warm white	2700K	1275	151	50	>80	A+	110 x 120	
		220-240	50/60Hz	0.9	Warm white	3000K	1345	159	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	1385	164	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	1395	165	50	>80	A+		
ZSR-3-10W-R1	10.3W	220-240	50/60Hz	0.9	Warm white	2700K	1505	146	50	>80	A+	110 x 120	
		220-240	50/60Hz	0.9	Warm white	3000K	1585	154	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	1630	158	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	1645	160	50	>80	A+		
ZSR-3-12W-R1	12.2W	220-240	50/60Hz	0.9	Warm white	2700K	1720	141	50	>80	A+	110 x 120	
		220-240	50/60Hz	0.9	Warm white	3000K	1810	149	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	1865	153	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	1885	155	50	>80	A+		

\*Colour tolerance: 3 MacAdam    \*\*Production tolerance of luminous flux and efficiency: ±10%    \*\*\*Min. CRI ±3%    \*\*\*\*Power consumption: ±10%  
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 GERMAN Technology  
 Comfort COB - 1900lm - 4,200lm  
 Long service life time : 50,000 hours (L80/B10)  
 Ambient temperature : -40°C to +40°C

Drivers: 400mA / 500mA / 700mA / 800mA  
 (optional: Dimmable available)  
 Power factor at full load : > 0.97  
 SELV , Low Ripple current < 1% , THD < 15%  
 Warranty: 5 years



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ZSR-3-14W-R1	14.1W	220-240	50/60Hz	0.9	Warm white	2700K	1930	137	50	>80	A+	110 x 120	
		220-240	50/60Hz	0.9	Warm white	3000K	2030	144	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	2090	148	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	2110	149	50	>80	A+		
ZSR-4-17W-R1	17.3W	220-240	50/60Hz	0.9	Warm white	2700K	2585	149	50	>80	A+	130 x 152	
		220-240	50/60Hz	0.9	Warm white	3000K	2725	158	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	2805	162	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	2860	165	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	2830	164	50	>80	A+		
ZSR-4-25W-R1	25.1W	220-240	50/60Hz	0.9	Warm white	2700K	3445	137	50	>80	A+	130 x 152	
		220-240	50/60Hz	0.9	Warm white	3000K	3625	144	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	3730	148	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	3805	151	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	3765	150	50	>80	A+		
ZSR-5-29W-R1	29.2W	220-240	50/60Hz	0.9	Warm white	2700K	3830	131	50	>80	A+	170 x 185	
		220-240	50/60Hz	0.9	Warm white	3000K	4035	138	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	4155	142	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	4235	145	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	4195	144	50	>80	A+		

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 Comfort COB - 4400lm - 6,100lm  
 Long service life time : 50,000 hours (L80/B10)  
 Ambient temperature : -40°C to +40°C

Drivers: 900mA / 1050mA / 1200mA  
 (optional: Dimmable available)  
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ZSR-5-32W-R1	32.0W	220-240	50/60Hz	0.9	Warm white	2700K	4455	139	50	>80	A+	170 x 185	
		220-240	50/60Hz	0.9	Warm white	3000K	4690	147	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	4830	151	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	4920	154	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	4875	152	50	>80	A+		
ZSR-6-38W-R1	38.0W	220-240	50/60Hz	0.9	Warm white	2700K	5045	133	50	>80	A+	193 x 193	
		220-240	50/60Hz	0.9	Warm white	3000K	5310	140	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	5465	144	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	5575	147	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	5520	145	50	>80	A+		
ZSR-6-44W-R1	44.2W	220-240	50/60Hz	0.9	Warm white	2700K	5590	127	50	>80	A+	193 x 193	
		220-240	50/60Hz	0.9	Warm white	3000K	5885	133	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	6060	137	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	6175	140	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	6120	139	50	>80	A+		

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ZSR-2-4W-R2	4.2W	220-240	50/60Hz	0.9	Warm white	2700K	615	148	50	>80	A+	90 x 90	
		220-240	50/60Hz	0.9	Warm white	3000K	645	155	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	665	160	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	670	161	50	>80	A+		
ZSR-3-8W-R2	8.4W	220-240	50/60Hz	0.9	Warm white	2700K	1275	151	50	>80	A+	110 x 120	
		220-240	50/60Hz	0.9	Warm white	3000K	1345	159	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	1385	164	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	1395	165	50	>80	A+		
ZSR-3-10W-R2	10.3W	220-240	50/60Hz	0.9	Warm white	2700K	1505	146	50	>80	A+	110 x 120	
		220-240	50/60Hz	0.9	Warm white	3000K	1585	154	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	1630	158	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	1645	160	50	>80	A+		
ZSR-3-12W-R2	12.2W	220-240	50/60Hz	0.9	Warm white	2700K	1720	141	50	>80	A+	110 x 120	
		220-240	50/60Hz	0.9	Warm white	3000K	1810	149	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	1865	153	50	>80	A+		
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ZSR-3-14W-R2	14.1W	220-240	50/60Hz	0.9	Warm white	2700K	1930	137	50	>80	A+	110 x 120	
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		220-240	50/60Hz	0.9	Cool white	5700K	2110	149	50	>80	A+		
ZSR-4-17W-R2	17.3W	220-240	50/60Hz	0.9	Warm white	2700K	2585	149	50	>80	A+	130 x 152	
		220-240	50/60Hz	0.9	Warm white	3000K	2725	158	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	2805	162	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	2860	165	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	2830	164	50	>80	A+		
ZSR-4-25W-R2	25.1W	220-240	50/60Hz	0.9	Warm white	2700K	3445	137	50	>80	A+	130 x 152	
		220-240	50/60Hz	0.9	Warm white	3000K	3625	144	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	3730	148	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	3805	151	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	3765	150	50	>80	A+		
ZSR-5-29W-R2	29.2W	220-240	50/60Hz	0.9	Warm white	2700K	3830	131	50	>80	A+	170 x 185	
		220-240	50/60Hz	0.9	Warm white	3000K	4035	138	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	4155	142	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	4235	145	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	4195	144	50	>80	A+		

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		220-240	50/60Hz	0.9	Warm white	3000K	4690	147	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	4830	151	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	4920	154	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	4875	152	50	>80	A+		
ZSR-6-38W-R2	38.0W	220-240	50/60Hz	0.9	Warm white	2700K	5045	133	50	>80	A+	193 x 193	
		220-240	50/60Hz	0.9	Warm white	3000K	5310	140	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	5465	144	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	5575	147	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	5520	145	50	>80	A+		
ZSR-6-44W-R2	44.2W	220-240	50/60Hz	0.9	Warm white	2700K	5590	127	50	>80	A+	193 x 193	
		220-240	50/60Hz	0.9	Warm white	3000K	5885	133	50	>80	A+		
		220-240	50/60Hz	0.9	Neutral white	4000K	6060	137	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5000K	6175	140	50	>80	A+		
		220-240	50/60Hz	0.9	Cool white	5700K	6120	139	50	>80	A+		

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