

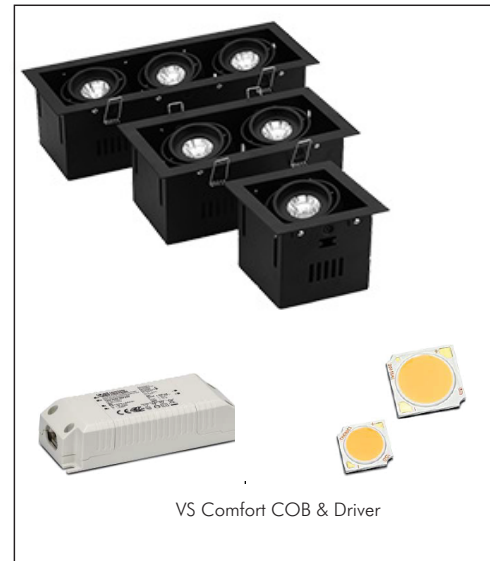
## Titan Series

Housing and Trim: Die-cast aluminium  
 Mounting type: Recess adjustable  
 Heat Management: Die-cast aluminium heat sink  
 Reflector: Aluminium  
 Angle: Adjustable  
 Diffuser: Clear PMMA

LED Modules  
 GERMAN Technology  
 Comfort COB - Up to 1400lm  
 Long service life time : 50,000 hours (L80/B10)  
 Ambient temperature - 40°C to +40°C

Drivers: 250mA  
 (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



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
TGS-1x8W	8.4W	220-240	50/60Hz	0.95	Warm white	2700K	1275	151	24°/36°	>82	A+	120 x 120 x 112	105 x 105
		220-240	50/60Hz	0.95	Warm white	3000K	1345	159	24°/36°	>82	A+		
		220-240	50/60Hz	0.95	Neutral white	4000K	1385	164	24°/36°	>82	A+		
		220-240	50/60Hz	0.95	Cool white	5700K	1395	155	24°/36°	>82	A+		
TGS-2x8W	8.4W	220-240	50/60Hz	0.95	Warm white	2700K	1275	151	24°/36°	>82	A+	225 x 120 x 112	210 x 105
		220-240	50/60Hz	0.95	Warm white	3000K	1345	159	24°/36°	>82	A+		
		220-240	50/60Hz	0.95	Neutral white	4000K	1385	164	24°/36°	>82	A+		
		220-240	50/60Hz	0.95	Cool white	5700K	1395	155	24°/36°	>82	A+		
TGS-3x8W	8.4W	220-240	50/60Hz	0.95	Warm white	2700K	1275	151	24°/36°	>82	A+	315 x 120 x 112	295 x 105
		220-240	50/60Hz	0.95	Warm white	3000K	1345	159	24°/36°	>82	A+		
		220-240	50/60Hz	0.95	Neutral white	4000K	1385	164	24°/36°	>82	A+		
		220-240	50/60Hz	0.95	Cool white	5700K	1395	155	24°/36°	>82	A+		

\*Colour tolerance: 3 MacAdam    \*\*Production tolerance of luminous flux and efficiency: ±10%    \*\*\*Min. CRI ±3%    \*\*\*\*Power consumption: ±10%  
 The values contained in this data sheet can change due to technical innovations without notifications, therefore kindly refer to us when during order.

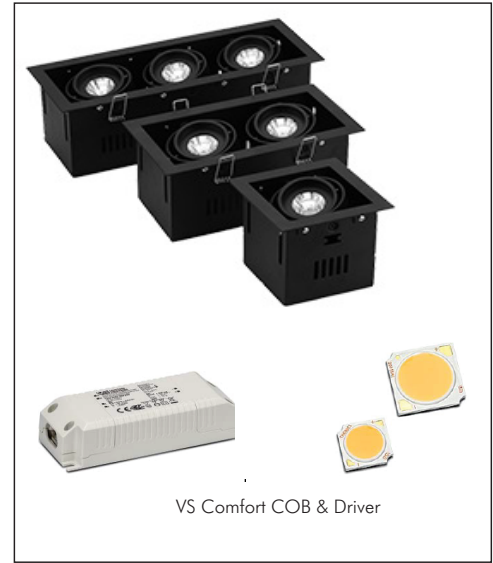
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 Diffuser: Clear PMMA

LED Modules  
 GERMAN Technology  
 Comfort COB - Up to 1900lm  
 Long service life time : 50,000 hours (L80/B10)  
 Ambient temperature - 40°C to +40°C

Drivers: 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  
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VS Comfort COB & Driver

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TGS-1x12W	12.2W	220-240	50/60Hz	0.95	Warm white	2700K	1720	141	24°/36°	>82	A+	120 x 120 x 112	105 x 105
		220-240	50/60Hz	0.95	Warm white	3000K	1810	149	24°/36°	>82	A+		
		220-240	50/60Hz	0.95	Neutral white	4000K	1865	153	24°/36°	>82	A+		
		220-240	50/60Hz	0.95	Cool white	5700K	1885	155	24°/36°	>82	A+		
TGS-2x12W	12.2W	220-240	50/60Hz	0.95	Warm white	2700K	1720	141	24°/36°	>82	A+	225 x 120 x 112	210 x 105
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