



## SIMPLITZ Tunnel Light V2 Datasheet



### IP66 IK10

The SIMPLITZ Tunnel Light V2 is a highly efficient and durable luminaire specifically designed for tunnel lighting applications. Featuring advanced optics, it offers an ideal LED solution for replacing traditional tunnel lights whilst providing excellent energy savings. With a well-designed optical system and robust construction, this luminaire is capable of performing reliably in harsh tunnel environments, even under 24/7 hour operation. Aluminium die cast housing, along with  $\pm 60^\circ$  adjustable brackets, IP66 and IK10 ensure its continued reliability and resilience in extreme outdoor conditions.

### Benefits

Advanced optical design, fewer luminaires for a superior lighting performance

- Asymmetrical lighting distributions for all tunnel applications
- Flicker-free operation for enhanced traffic safety
- High efficacy up to 140 lm/W for energy saving

Wide product range catering for various applications

- Power options ranging from 25W to 350W
- Choice of CCT 3000K/4000K/5700K
- 1-10V Dimming and DALI versions available upon request

High Reliability and Easy Installation

- Lumen Maintenance L70 - 50'000 Hours @Ta35°C, L70
- Robust aluminium die cast housing
- $\pm 60^\circ$  adjustable installation brackets

### Applications

- Tunnel light
- Underpass

# SIMPLITZ Tunnel Light V2

## Technical Data

### Optical Specifications

<b>Power</b>		25W	50W	90W	120W	150W	200W	240W	350W
<b>Luminous Flux</b>	<b>@4000K</b>	3500 lm	7000 lm	12600 lm	16800 lm	21000 lm	28000 lm	33600 lm	49000 lm
<b>Efficacy</b>	<b>@4000K</b>	>140 lm/W							
<b>CCT</b>		3000/4000/5700K							
<b>CRI</b>		> 70							
<b>SDCM</b>		5							
<b>Beam Angle</b>		Asymmetrical AWB 135° x 85°							

### Electrical and Mechanical Specifications

<b>Input Voltage</b>		220-240V~, 50/60Hz (Max 100-277V~, 50/60Hz)							
<b>Power Consumption</b>		25W	50W	90W	120W	150W	200W	240W	350W
<b>Power Factor</b>		0.95							
<b>Total Harmonic Distortion</b>		20%							
<b>Surge protection</b>		Line-to-line 6KV, line-to-earth 10KV							
<b>Dimensions (mm)</b>	<b>Length</b>	258		355		492		686	686
	<b>Width</b>	137		137		137		137	275
	<b>Height</b>	202		202		202		202	271
<b>Weight (kg)</b>		1.8	2.0	2.7	3.0	3.5	4.5	4.8	7.0
<b>Optical System</b>		Weather-Resistant PC Lens							
<b>Housing</b>		Die-casting aluminum							
<b>Color</b>		RAL9007 Gray							

### System Specifications

<b>Power</b>	AC line
<b>Dimmable</b>	1-10V Dimming/DALI 2 Dimming
<b>Mounting Type</b>	Bracket installation
<b>Adjustable</b>	-60° to +60°
<b>Operating Temperature</b>	-30°C to +50°C
<b>Storage Temperature</b>	-40°C to +80°C
<b>Environment</b>	Outdoor (IP66, IK10)
<b>Lumen Maintenance</b>	L70 @35°C - 50'000 Hours
<b>Safety Approval</b>	Electrical Protection Class I

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

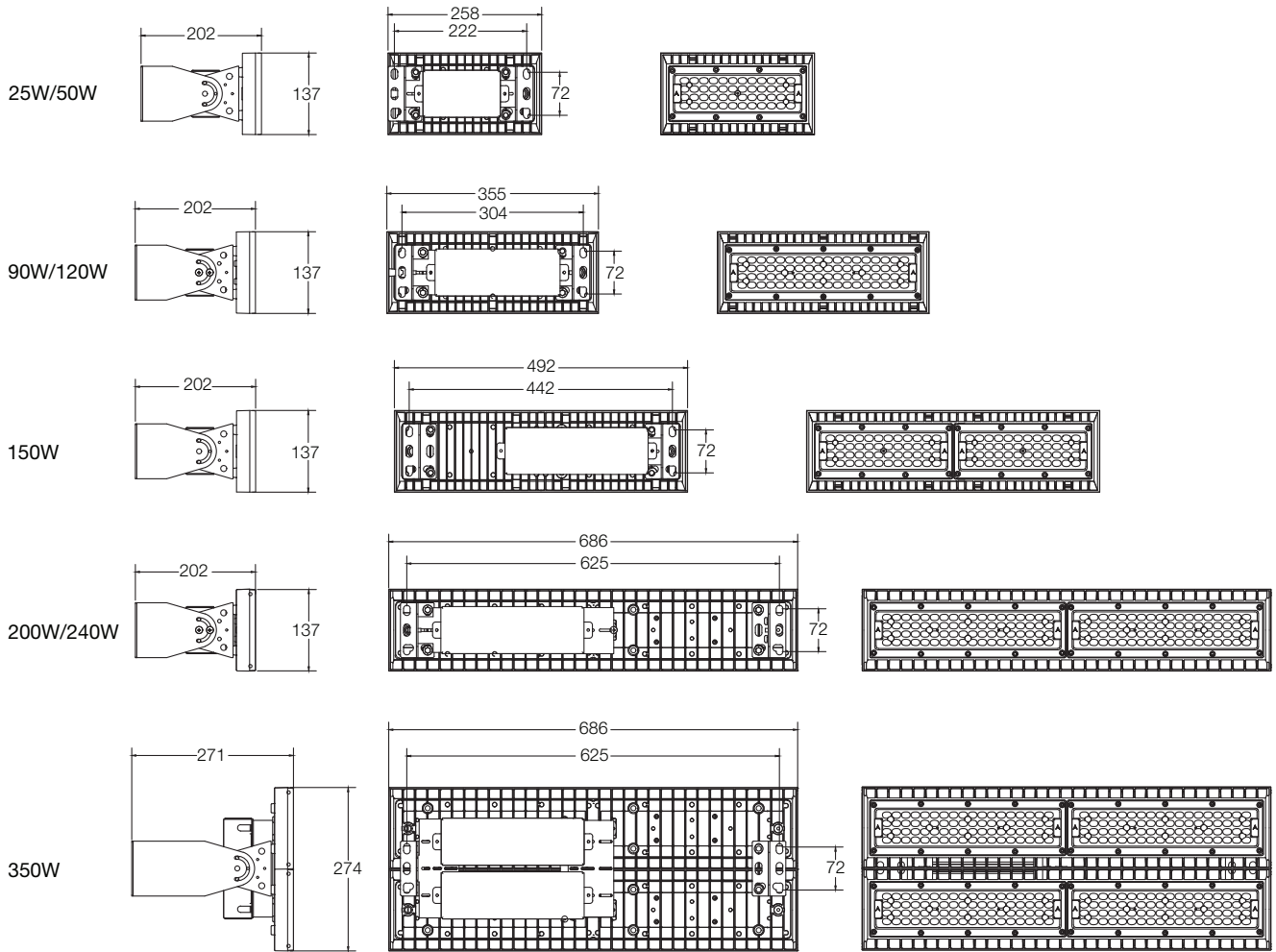
Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

V1.0 01/24: Official authorized licensee of the OSRAM trademark.  
Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

# SIMPLITZ Tunnel Light V2

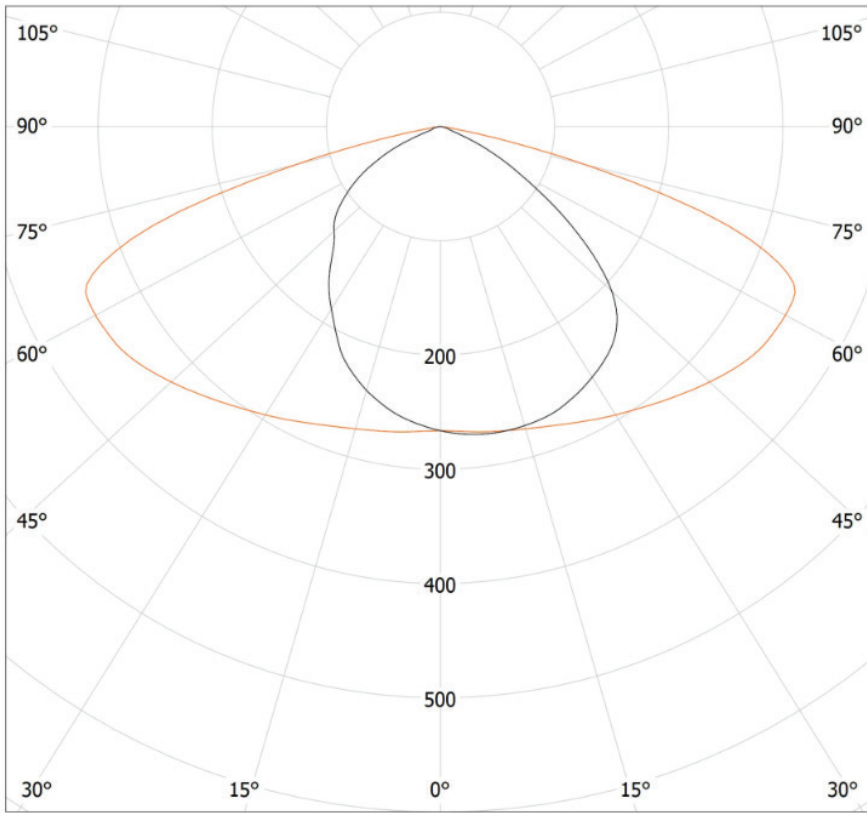
Dimension (Unit: mm)



# SIMPLITZ Tunnel Light V2

## Photometrics

AWB (135° x 85°)



Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

V1.0 01/24· Official authorized licensee of the OSRAM trademark.  
Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

# SIMPLITZ Tunnel Light V2

## Ordering Codes

### Fixture - 1-10V Dimming

Short Text	Power (W)	Control	CCT	Reference Beam Angle	Material
SIM TL V2 25W 730 135x85D DIM VS1 OSRAM	25W	1-10V Dimming	3000K	135° x 85°	GL23100483555
SIM TL V2 25W 740 135x85D DIM VS1 OSRAM	25W	1-10V Dimming	4000K	135° x 85°	GL23100483655
SIM TL V2 25W 757 135x85D DIM VS1 OSRAM	25W	1-10V Dimming	5700K	135° x 85°	GL23100483755
SIM TL V2 50W 730 135x85D DIM VS1 OSRAM	50W	1-10V Dimming	3000K	135° x 85°	GL23100483855
SIM TL V2 50W 740 135x85D DIM VS1 OSRAM	50W	1-10V Dimming	4000K	135° x 85°	GL23100483955
SIM TL V2 50W 757 135x85D DIM VS1 OSRAM	50W	1-10V Dimming	5700K	135° x 85°	GL23100484055
SIM TL V2 90W 730 135x85D DIM VS1 OSRAM	90W	1-10V Dimming	3000K	135° x 85°	GL23100484155
SIM TL V2 90W 740 135x85D DIM VS1 OSRAM	90W	1-10V Dimming	4000K	135° x 85°	GL23100484255
SIM TL V2 90W 757 135x85D DIM VS1 OSRAM	90W	1-10V Dimming	5700K	135° x 85°	GL23100484355
SIM TL V2 120W 730 135x85D DIM VS1 OSRAM	120W	1-10V Dimming	3000K	135° x 85°	GL23100484455
SIM TL V2 120W 740 135x85D DIM VS1 OSRAM	120W	1-10V Dimming	4000K	135° x 85°	GL23100484555
SIM TL V2 120W 757 135x85D DIM VS1 OSRAM	120W	1-10V Dimming	5700K	135° x 85°	GL23100484655
SIM TL V2 150W 730 135x85D DIM VS1 OSRAM	150W	1-10V Dimming	3000K	135° x 85°	GL23100484755
SIM TL V2 150W 740 135x85D DIM VS1 OSRAM	150W	1-10V Dimming	4000K	135° x 85°	GL23100484855
SIM TL V2 150W 757 135x85D DIM VS1 OSRAM	150W	1-10V Dimming	5700K	135° x 85°	GL23100484955
SIM TL V2 200W 730 135x85D DIM VS1 OSRAM	200W	1-10V Dimming	3000K	135° x 85°	GL23100485055
SIM TL V2 200W 740 135x85D DIM VS1 OSRAM	200W	1-10V Dimming	4000K	135° x 85°	GL23100485155
SIM TL V2 200W 757 135x85D DIM VS1 OSRAM	200W	1-10V Dimming	5700K	135° x 85°	GL23100485255
SIM TL V2 240W 730 135x85D DIM VS1 OSRAM	240W	1-10V Dimming	3000K	135° x 85°	GL23100485355
SIM TL V2 240W 740 135x85D DIM VS1 OSRAM	240W	1-10V Dimming	4000K	135° x 85°	GL23100485455
SIM TL V2 240W 757 135x85D DIM VS1 OSRAM	240W	1-10V Dimming	5700K	135° x 85°	GL23100485555
SIM TL V2 350W 730 135x85D DIM VS1 OSRAM	350W	1-10V Dimming	3500K	135° x 85°	GL23100485655
SIM TL V2 350W 740 135x85D DIM VS1 OSRAM	350W	1-10V Dimming	4000K	135° x 85°	GL23100485755
SIM TL V2 350W 757 135x85D DIM VS1 OSRAM	350W	1-10V Dimming	5700K	135° x 85°	GL23100485855

# SIMPLITZ Tunnel Light V2

## Ordering Codes

### Fixture - DALI 2

Short Text	Power (W)	Control	CCT	Reference Beam Angle	Material
SIM TL V2 25W 730 135x85D DA VS1 OSRAM	25W	DALI 2 Dimming	3000K	135° x 85°	GL23100485955
SIM TL V2 25W 740 135x85D DA VS1 OSRAM	25W	DALI 2 Dimming	4000K	135° x 85°	GL23100486055
SIM TL V2 25W 757 135x85D DA VS1 OSRAM	25W	DALI 2 Dimming	5700K	135° x 85°	GL23100486155
SIM TL V2 50W 730 135x85D DA VS1 OSRAM	50W	DALI 2 Dimming	3000K	135° x 85°	GL23100486255
SIM TL V2 50W 740 135x85D DA VS1 OSRAM	50W	DALI 2 Dimming	4000K	135° x 85°	GL23100486355
SIM TL V2 50W 757 135x85D DA VS1 OSRAM	50W	DALI 2 Dimming	5700K	135° x 85°	GL23100486455
SIM TL V2 90W 730 135x85D DA VS1 OSRAM	90W	DALI 2 Dimming	3000K	135° x 85°	GL23100486555
SIM TL V2 90W 740 135x85D DA VS1 OSRAM	90W	DALI 2 Dimming	4000K	135° x 85°	GL23100486655
SIM TL V2 90W 757 135x85D DA VS1 OSRAM	90W	DALI 2 Dimming	5700K	135° x 85°	GL23100486755
SIM TL V2 120W 730 135x85D DA VS1 OSRAM	120W	DALI 2 Dimming	3000K	135° x 85°	GL23100486855
SIM TL V2 120W 740 135x85D DA VS1 OSRAM	120W	DALI 2 Dimming	4000K	135° x 85°	GL23100486955
SIM TL V2 120W 757 135x85D DA VS1 OSRAM	120W	DALI 2 Dimming	5700K	135° x 85°	GL23100487055
SIM TL V2 150W 730 135x85D DA VS1 OSRAM	150W	DALI 2 Dimming	3000K	135° x 85°	GL23100487155
SIM TL V2 150W 740 135x85D DA VS1 OSRAM	150W	DALI 2 Dimming	4000K	135° x 85°	GL23100487255
SIM TL V2 150W 757 135x85D DA VS1 OSRAM	150W	DALI 2 Dimming	5700K	135° x 85°	GL23100487355
SIM TL V2 200W 730 135x85D DA VS1 OSRAM	200W	DALI 2 Dimming	3000K	135° x 85°	GL23100487455
SIM TL V2 200W 740 135x85D DA VS1 OSRAM	200W	DALI 2 Dimming	4000K	135° x 85°	GL23100487555
SIM TL V2 200W 757 135x85D DA VS1 OSRAM	200W	DALI 2 Dimming	5700K	135° x 85°	GL23100487655
SIM TL V2 240W 730 135x85D DA VS1 OSRAM	240W	DALI 2 Dimming	3000K	135° x 85°	GL23100487755
SIM TL V2 240W 740 135x85D DA VS1 OSRAM	240W	DALI 2 Dimming	4000K	135° x 85°	GL23100487855
SIM TL V2 240W 757 135x85D DA VS1 OSRAM	240W	DALI 2 Dimming	5700K	135° x 85°	GL23100487955
SIM TL V2 350W 730 135x85D DA VS1 OSRAM	350W	DALI 2 Dimming	3500K	135° x 85°	GL23100488055
SIM TL V2 350W 740 135x85D DA VS1 OSRAM	350W	DALI 2 Dimming	4000K	135° x 85°	GL23100488155
SIM TL V2 350W 757 135x85D DA VS1 OSRAM	350W	DALI 2 Dimming	5700K	135° x 85°	GL23100488255