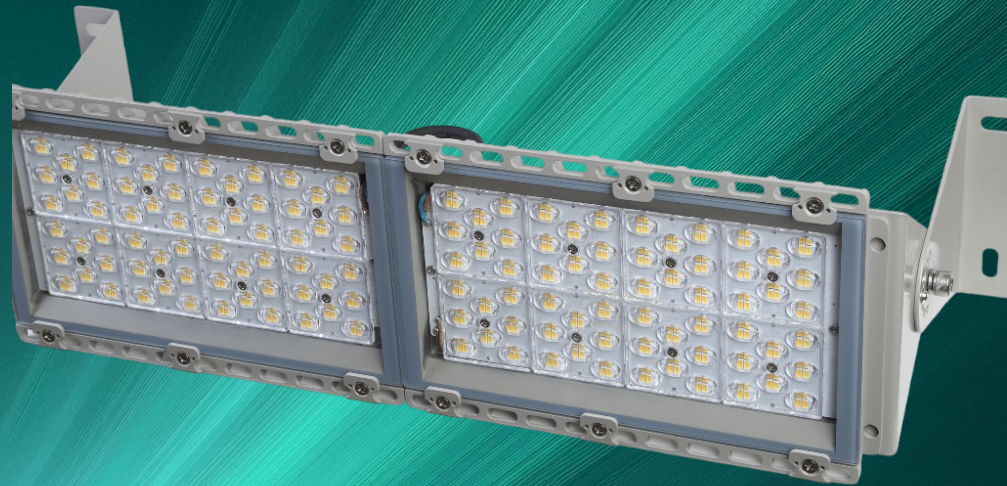




Vantage TL

LED Tunnel Flood



Vantage TL

The Vantage TL LED Tunnel Light delivers a perfect balance of performance, durability, and efficiency, making it an exceptional solution for tunnel and underpass lighting. Designed for harsh outdoor environments, it combines a robust structure with cutting-edge LED technology to ensure long-lasting reliability and low operational costs.

Available in 30W to 150W, the Vantage TL features an innovative hollow-body design that enhances airflow and thermal management, ensuring optimal LED performance, reducing heat buildup, and extending service life.

Its modular linear design simplifies installation and maintenance, while the adjustable mounting bracket provides flexibility for ceiling, wall, or surface mounting. A PC lens with tempered glass offers double-layer protection against impact, dust, and moisture, ensuring consistent performance even in demanding conditions.

With optional optical distributions, the Vantage TL achieves excellent visual comfort and uniform illumination, enhancing traffic safety and visibility throughout the tunnel.





Innovative design for efficient heat dissipation



The innovative hollow-body design enhances natural airflow and heat dissipation, keeping LED temperatures low for optimal performance. This ensures stable light output, longer component life, and reduced maintenance costs over time.

Rugged and reliable construction

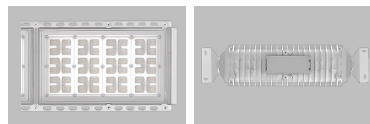


Built from high-quality die-cast aluminium with a corrosion-resistant powder coating, the Vantage TL is engineered for demanding outdoor conditions. Rated IP66 and IK08, it provides superior protection against dust, moisture, and mechanical impact.

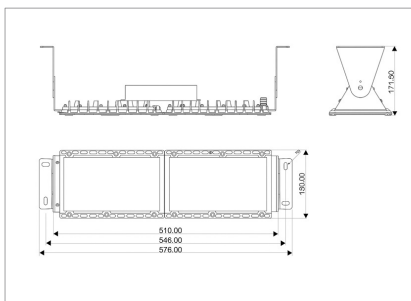
High efficiency and energy saving



Equipped with high-efficiency Lumileds LEDs and a precision constant-current driver, the Vantage TL achieves outstanding lumen-per-watt performance of up to 145lm/W, while minimizing energy consumption. The combination of low maintenance requirements and long operational life translates into a significantly reduced total cost of ownership.



MODEL	Vantage TL Tunnel Light
WATTAGE	30W 60W 90W 120W 150W
CRI	70 80
CCT	3000K 4000K 5000K 6500K
BEAM ANGLE	60° 90° 120°
MATERIAL	Grey Die-casting aluminum, Polycarbonate, Toughened Glass, Galvanised Iron
DRIVER	Constant current remote LED driver included Railway tunnels & service shafts, Road tunnels, Underpasses & subways, Bridges & flyovers, Industrial corridors & processing tunnels, Mining access tunnels, Ports, container yards & logistics zones.
APPLICATION	



Model	Watts	DxH(mm)	Length(mm)	Lumen(lm/w)
F5TL	30W	336(L)x158(W)x172(H)	336	145
	60W			
	90W			
	120W	576(L)x158(W)x172(H)	576	
	150W			

OPTICAL DATA

Light Source	SMD5050 Lumileds
Correlated Colour Temperature (CCT)	3000K ~ 6500K
Colour Rendering Index (CRI)	>70 standard; >80, optional
SDCM	<5
Beam Angle	60° 90° 120°
UGR	<25

PERFORMANCE

System Wattage	30W 60W 90W 120W 150W
Luminous Flux(±10%)	4350 8700 13050 17400 21750
Luminaire Efficacy	145lm/W

ELECTRICAL DATA

Protection Class	Class 1
Nominal Voltage	AC100-277V 50-60 Hz
Power Factor	>0.97
Surge Protection (Kv)	6kV
Control Protocol	DALI, 1-10V
Sensor	-
Emergency	-
Power Supply	Inventronics/Meanwell/Done
Driver Type	Constant Current (CC)

Total Harmonic Distortion (THD)	8% IEC 61000-3-2 Class C <20%
Inrush Current	65A
Driver Lifetime	>100,000hrs
Electromagnetic Compatibility (EMC)	EN 55015:2019/A11:2020, EN 61000 3-2:2019, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015

OPERATING CONDITIONS

Operating Temperature (Ta)	-30° to +50°C
Mounting Options	Bracket

TECHNICAL DATA

Certifications	E/SA/TUV-CE/ROHS
Warranty	5 Year
Documentation	LM-79 / LM-80 / ISTMT / TM-21
Testing Standard	LM-79-19 (all measurements in ISO17025 accredited laboratory)

HOUSING & FINISH

Housing Material	Die-cast aluminum
Optic Material	Polycarbonate
Lens Material	Toughened Glass
Bracket Material	Galvanised Iron
Housing Finish	Powder-Coating
Finish Colour	Grey
Weight (Kg)	2.35kg 2.5kg 3.4kg 3.5kg 3.6kg
IP Rating	IP65
IK Rating	IK09

LIFETIME OF THE LEDS @ TA 25°C

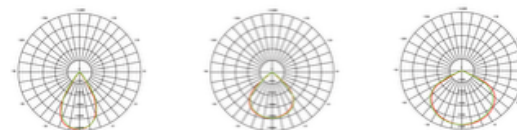
Lifetime @L70 (Tm-21)	>102,000hrs
Lifetime @L80 (Tm-21)	
Lifetime @L90 (Tm-21)	
Switching Cycles	<100,000hrs

ORDERING INFORMATION

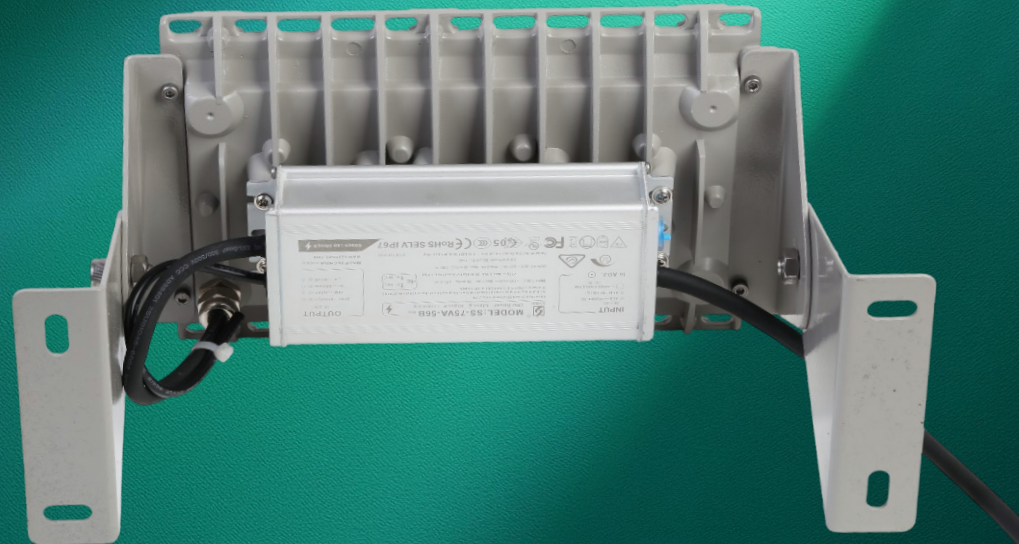
Example: FTL-N-30-50-120-336

Model	Dimming	Wattage	CCT	Beam	Length
FTL	N	90	50	90	336
FTL	N NonDim	30W	30 3000K	60°	336
	T Triac Dim	60W	40 4000K	90°	576
	V 0/1-10V Dim	90W	50 5000K	120°	
	D DALI Dim	120W	57 5700K		
		150W			

PHOTOMETRIC DATA



60°*60° | 90°*90° | 120°*120°



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