

TANGEM SERIES

Series Name : TM1 、 TM2 、 TM3

LEDs : 32 、 48 、 64 、 80 、 96 、 112 、 128 、 144 、 160 、 192 、 224

CCT(K) : 4000K

Product Features

- High Lumen Output.
- Wide range of Lumen packages with clever optical design.
- Anti-dust and easy for cleaning by the design of front cover.
- Easy installation.
- High Efficiency ensuring substantial acceleration of the payback period.
- Streetlight control : PCR5 、 PCR7.

Types of Application

- Main Roads
- Residential Street
- Street & Urban Road
- Squares and Pedestrian Area
- Bike Path
- Parking Lot
- Commercial Area

General Specifications

- Light Source : Hi-Flux/Hi power white LED
- CRI : >70
- Power Factor(@ 220VAC,Full Load) : >0.9
- Total Harmonic Distortion : <20%
- Dimming : 1-10 V
- Operating Temperature : -20~50°C
- Storage Temperature : -40~80°C
- Operating Humidity : RH95%

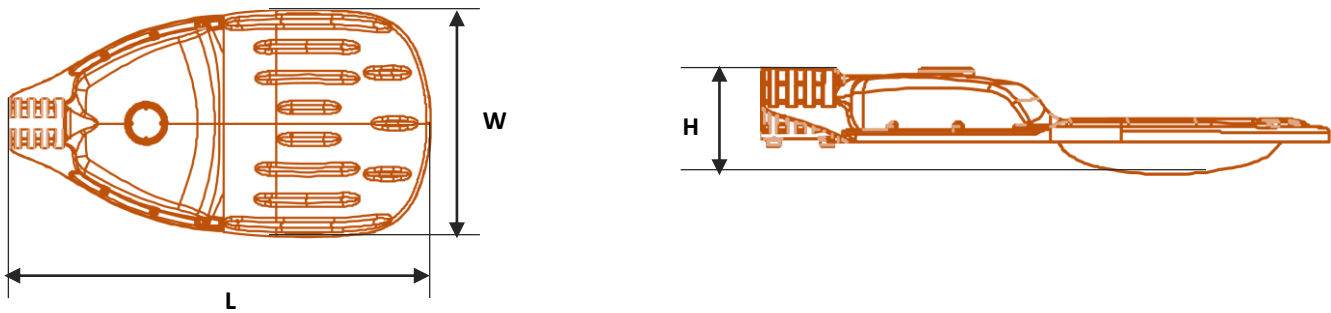
Ordering Information

Product Name	NO of LEDs	Light Distribution	Nominal Color Temperature	Version
TM1	32	R(T2S) C(T1S) W(T2M)	N 4000K	A
TM1	48			
TM1	64			
TM2	80			
TM2	96			
TM2	112			
TM2	128			
TM2	144			
TM3	160			
TM3	192			
TM3	224			

Sample Catalog No. : TM1-032RNA

Other ordering information please contact local sales representative.

Product Dimensions / Weight



Product	Length	Width	Height	Weight
TM1	578mm/22.76inch	282mm/11.10inch	115mm/4.53inch	2.5kg/5.51lb
TM2	700mm/27.56inch	373mm/14.69inch	125mm/4.92inch	4kg/8.82lb
TM3	847mm/33.35inch	509mm/20.03inch	125mm/4.92inch	7.8kg/17.20lb

Housing:

- Die cast aluminum housing.
- Finless design with excellent heat dissipation.
- Suitable for 38 to 60 mm diameter mast arm.
- Plastics protector prevent dirt accumulation.
- Polycarbonate material is UL recognized for outdoor usage .

Optical System:

- Modular light engine design with micro-lens system.
- Provides appropriate light distribution to satisfy most road conditions and optimizes application efficiency.
- LM-79 tests and reports are performed in accordance with IESNA standards.

Light Emitting Diodes:

- Hi-flux/Hi-power white Produce a minimum 90% of initial intensity at 100,000 hours based on TM21.
- LEDs are tested in accordance IES LM-80 testing procedures.
- LEDs have correlated color temperature of 4000K and 70 minimum CRI.
- LEDs are ROHS compliant, 100% mercury and lead free.

Electrical:

- System power factor is >90% and <20% Total Harmonic Distortion (THD) at full load.
- EMC complies with CE requirements.
- Surge protector complies with ANSI/IEEE C62.41 definitions high exposure 10KV level.

Finish:

- Housing receives a fade and abrasion resistant polyester powder coat finish.
- 3000 hours in salt spray exposure per ASTM B117 collecting.

Listing/ Rating/ Warranty:

- All products are designed to comply with “European Conformity” (CE).
- Luminaire maintain an IP66 rating.
- 5-year limited warranty is standard on luminaire and components.

Control:

- ANSI C136.41 5-wire (PCR5) or 7-wire (PCR7) photocontrol receptacles are available.
- All photocontrol receptacles have tool-less rotatable base.

TM Series Specifications

Product Series	NO of LEDs	Input voltage(Vac)	Driving Current(mA)	System Wattage(W)	Efficacy (lm/W)	Lumen Output (Lm)
TM1-032	32	120~277	700	35	140	4900
TM1-048	48	120~277	700	54	140	7500
TM1-064	64	120~277	700	71	140	9900
TM2-080	80	120~277	700	90	140	12600
TM2-096	96	120~277	700	107	140	14900
TM2-112	112	120~277	700	124	140	17300
TM2-128	128	120~277	700	141	140	19700
TM2-144	144	120~277	700	158	140	22100
TM3-160	160	120~277	700	180	140	25200
TM3-192	192	120~277	700	215	140	30100
TM3-224	224	120~277	700	248	140	34700