

TX300 & TX150 SERIES

SOLAR LED LIGHTING SYSTEMS



PHILIPS
LUMILEDS



This elegant design is our 3rd generation of commercial solar lighting system using PHILIPS LUXEON @TX LEDs. Offering more power, more autonomy and more flexibility, the TX series is ideal for lighting large and busy areas such as parking lots and public areas. Designed to be durable and efficient, the TX series is an intelligent solar system easy to install.

The TX system combines a solar module, a battery, an intelligent charge and lighting controller all paired with the latest LED lighting technology from Philips. Operating profiles can be modified to meet your changing needs.

FEATURES & BENEFITS

- Solar powered outdoor lighting;
- Pre-assembled design for fast installation;
- Automatic activation at sunset and/or before sunrise;
- > 100 000 hours Philips maintenance free LED operation;
- Wireless communication;
- Flexible operating profiles according to your needs, modifications via remote control, sold separately;
- Access door for easy battery replacement;
- Powder coated aluminium housing;
- No power cables needed;
- Quick, easy and safe installation.

APPLICATIONS

- Street lighting;
- Parking lots;
- Public parks;
- Bicycle paths;
- Remote areas.



MANUFACTURED BY:

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CERTIFICATIONS



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LIGHTING SPECIFICATIONS	Solar Lighting System TX300 & TX150				
Philips Lumileds Lumen/Watt	175lm/W	170lm/W	165lm/W	160lm/W	150lm/W
Luminaire Power (Watt)	15 W	25 W	35 W	45 W	60 W
Lumens output (lm)	2625 lm	4250 lm	5775 lm	7200 lm	9300 lm
Dimming / Programmable	Yes, see "Operating Profile" document for details.				
Light Distribution Type	2M, 3M and 5S				
Color temperature (°K)	3000°K or 4000°K				
CRI (Color Rendering Index)	70				
LED Lifespan (Philips Lumileds TX)	> 100 000 hours				
Recommended mounting height (Feet)	12-18ft	14-20ft	16-20ft	16-20ft	16-22ft
Recommended spacing factor	5 x Mounting Height				
Operation	Hours of operation can be divided between evening and morning (before sunrise). The light intensity can also be dimmed. Operating profiles can be modified via remote control, sold separately.				

SOLAR SYSTEM SPECIFICATIONS	
Solar Module (Watt)	TX300 = 340W (2x 170W) TX150 = 170W (1x 170W)
Battery Bank Capacity (Ah)	TX300 = 100Ah @24Vdc (2x 100Ah, 12V) (2400Wh) TX150 = 100Ah @12Vdc (1x 100Ah, 12V) (1200Wh)
Battery type	GEL (1800 cycles at 20% Depth of Discharge at 20°C)
Charge Controller type	MPPT
Battery Overcharge/Discharge protection	YES
Autonomy (number of days without sunlight)	4 days, on a full charged battery
Operating temperature range	-40°C +70°C

MECHANICAL SPECIFICATIONS	
Mounting type	Top of Pole (TOP), Square, requires 5" max. outer dia. (pole not included)
Unit Weight - lb (Kg) (EPA)	TX300 = 239lb (109Kg) (EPA=16.1ft²) : TX150 = 151lb (69Kg) (EPA = 11.3ft²)

WARRANTY & CERTIFICATIONS	
Warranty	Solar Module : 25 years Controller: 10 years Battery: 5 years Light Fixture: 10 years
Certifications	Controller : CE compliant (Off-Grid) Light fixture : CE, UL, cUL, DLC, LM79, LM80

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TX300 ORDERING CODE

TX300	LUMINAIRE POWER, OPERATING PROFILE, COLOR TEMPERATURE AND LENS SELECTION (TX300)				
	15W	25W	35W	45W	60W
	A = Dusk to Dawn @ 100%	A = Dusk 12h 100%, then OFF	A = Dusk 9h 100%, then OFF	A = Dusk 6h 100%, then OFF	A = Dusk 4h 100%, then OFF
		B = Dusk 10h 100%, OFF, 2h morning	B = Dusk 8h 100%, OFF, 1h morning	B = Dusk 5h 100%, OFF, 1h morning	B = Dusk 3h 100%, OFF, 1h morning 100%
		C = Dusk 8h 100%, 40%, 2h morning 100%	C = Dusk 6h 100%, then 30%	C = Dusk 2h 100%, then 30%	C = Dusk 3h 100% + 3h at 40%, then OFF
	3000 = 3 000K 4000 = 4 000K	3000 = 3 000K 4000 = 4 000K	3000 = 3 000K 4000 = 4 000K	3000 = 3 000K 4000 = 4 000K	3000 = 3 000K 4000 = 4 000K
	T2 = Type 2M T3 = Type 3M T5 = Type 5S	T2 = Type 2M T3 = Type 3M T5 = Type 5S	T2 = Type 2M T3 = Type 3M T5 = Type 5S	T2 = Type 2M T3 = Type 3M T5 = Type 5S	T2 = Type 2M T3 = Type 3M T5 = Type 5S

Example: TX300-35W-A-4000-T3 (_____ - _____ - _____ - _____)

TX150 ORDERING CODE

TX150	LUMINAIRE POWER, OPERATING PROFILE, COLOR TEMPERATURE AND LENS SELECTION (TX150)			
	15W	25W	35W	45W
	A = Dusk 9h 100%, then OFF	A = Dusk 6h 100%, then OFF	A = Dusk 4h 100%, then OFF	A = Dusk 3h 100%, then OFF
	B = Dusk 8h 100%, OFF, 1h morning	B = Dusk 5h 100%, OFF, 1h morning	B = Dusk 3h 100%, OFF, 1h morning	B = Dusk 2h 100%, OFF, 1h morning
		C = Dusk 4h 100% + 4h at 50%, OFF	C = Dusk 3h 100% + 3h at 40%, OFF	C = Dusk 2h 100% + 3h at 30%, OFF
	3000 = 3 000K 4000 = 4 000K	3000 = 3 000K 4000 = 4 000K	3000 = 3 000K 4000 = 4 000K	3000 = 3 000K 4000 = 4 000K
	T2 = Type 2M T3 = Type 3M T5 = Type 5S	T2 = Type 2M T3 = Type 3M T5 = Type 5S	T2 = Type 2M T3 = Type 3M T5 = Type 5S	T2 = Type 2M T3 = Type 3M T5 = Type 5S

Example: TX150-35W-B-4000-T3 (_____ - _____ - _____ - _____)

ACCESSORIES SOLD SEPERATLY

DESCRIPTION	PART NUMBER	NOTES :
ADDITIONAL LUMINAIRE FOR DOUBLE HEAD	#LUMH1-EXT	Standard side of pole tenon is provided for the extra luminaire installation.
ELLIPTICAL POLE ARM, 2 FT LENGHT	#RE2MA	Otherwise, a standard side of pole tenon is provided for the luminaire installation. See <i>Installation Guide</i> for details.
ARTICULATED TENON ± 20 DEGREES	#TENART20	Allows light redirection.
REMOTE CONTROL	#RC01	Not required for system installation and operation



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