

PROJECT: _____
 TYPE: _____
 PRODUCT: _____
 APPROVED BY: _____

PRODUCT FEATURES

- Ideal for Parking Garages, Transportation Platforms, Corridors, Underpasses, and more
- 12.6" Diameter, diecast aluminum housing with uplight to eliminate cave effect
- 0-10V Dimming driver standard, driver rated for -35°C to 40°C; Contractor-friendly sensors can be easily field installed with no wiring
- Variety of wattages (40-120W) and lumen packages, up to 18,000lm
- Suitable for Wet location installations, IK10 listed per IEC60068-2-75, IP66 rated per IEC60598, 3G vibration tested per ANSI C136.31
- The STPG Series is covered by the New Star Promise



STPG Series

ORDERING INFORMATION

Example: STPG-S-WH-T5-CP-900050-UN-DMI



STPG				CP	
Series	Mounting S = Surface P = Pendant* *Accepts 3/4" NPT pipe.	Finish WH = White GY = Gray BZ = Bronze BK = Black CC = Custom Color* *Must specify RAL number at time of order. Subject to set-up fees.	Optic T5 = Type V RW = Rectangle (Wide) DL = Drive Lane (Type IV)	Lens CP = Clear Poly.	Lumen Output 6000 = 6000lm (40W) 7500 = 7500lm (50W) 9000 = 9000lm (60W) 12000 = 12000lm (80W) 15000 = 15000lm (100W) 18000 = 18000lm (120W)

		DMI	
Color Temp. 40 = 4000K, 80 CRI 50 = 5000K, 80 CRI	Voltage 12 = 120V 27 = 277V 34 = 347V 48 = 480V UN = Universal (120-277V)	Driver Type DMI = 0-10V Dimming with 1-100% range	Options FZ1 = Fuse (120V) FZ2 = Fuse (277V) EM = Emerg. Battery* (0°C min. ambient) BG = Bird Guard PH = PIR Sensor PHB = Bluetooth PIR Sensor WG = Wire Guard LS = Light Shield *If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity.

SPECIFICATIONS

CONSTRUCTION: Die-cast aluminum housing for maximum thermal dissipation. Closed-cell gasketing seals all housing component interfaces.

LENS: Clear UV-stabilized polycarbonate lens, maximum thickness 0.125" for durability.

LED: LED modules available in 4000K and 5000K with maximum 3-step MacAdam variation allowance. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature environment, compliant with IES LM-80 testing standards. CCTs can be adjusted in the field.

DRIVER: 120/277VAC, 347VAC, or 480VAC, 50/60HZ input; constant-current dimming driver; <20% THD, >0.90 PF. Minimum 83% electrical efficiency. 0-10V dimming protocol with 1-100% range and dim-to-dark capabilities, 0.2mA source current. 80 CRI minimum. 150lm/w efficiency. Surge and transient protection rated at 6kV per ANSI C62.41-2002 and 10kV per ANSI C82.77-5 2015. 20kA max. transient protection (L-N). Replaceable surge suppressor. Driver is EMC compliant with FCC 47 CFR Part 15, Class B. Passes IEC 61000-4-4 EFT and IEC 61000-4-5 (Class 4) surge evaluation. Driver operates between -35°C and 40°C.

SENSORS: Optional integrated PIR twist-lock receptacle for dusk-to-dawn photocells.

FASTENERS: Tamper-resistant Torx® head fasteners.

FINISH: Polyester powder coat finish following multi-stage iron phosphate pretreatment on all exposed surfaces.

INSTALLATION: Surface and Pendant mounting options available. For Pendant mounting, the fixture accepts 3/4" NPT pipe.

LABEL: Fixture is certified to UL standards by Intertek Testing Laboratory for Wet location installations. IK10 listed per IEC60598-2-75. IP66 Rating per IEC60598. IC-Rated per UL 1598. 3G vibration tested per ANSI C136.31.

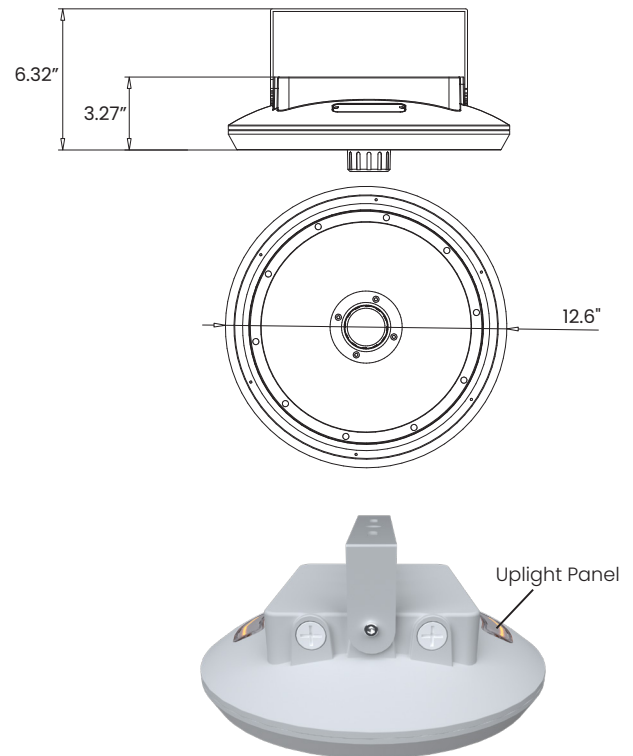


The StarTrans Parking Series is covered by our New Star Promise.

Our promise means we will repair or replace any of our High Abuse or Vandal-Resistant architectural luminaires when installed according to our instructions for the life of the original installation if the fixture should fail due to physical abuse*.

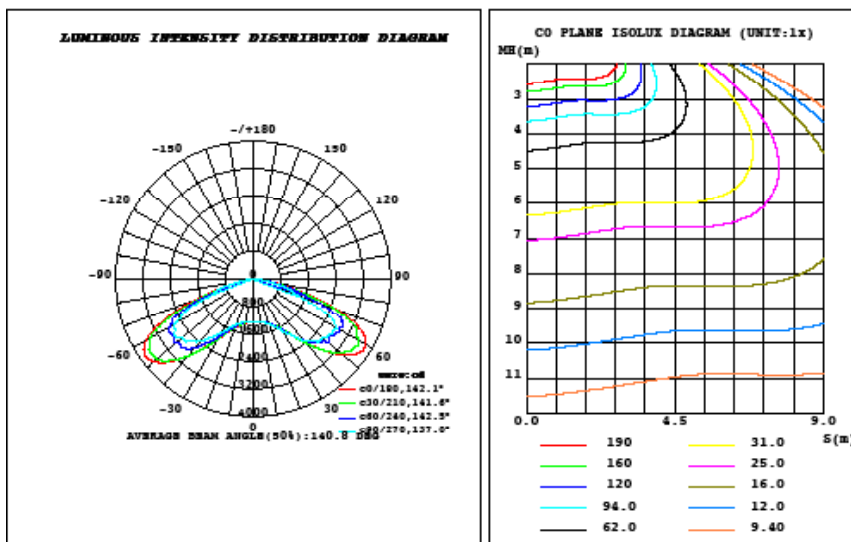
*Damage caused by gunfire and chemical reactions is not covered by the New Star Promise.

DIMENSIONAL DATA



PHOTOMETRIC DATA

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.63 lm/W			
MODEL	FY-CNP-80W-T5	Imax(cd)	3861	S/MH(C0/180)	2.86
NOMINAL POWER(W)	0	LOR(%)	100.0	S/MH(C90/270)	2.55
RATED VOLTAGE(V)	0	TOTAL FLUX(lm)	11858	η UP, DN(C0-180)	0.9,49.8
NOMINAL FLUX(lm)	11857.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8,48.5
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	0.0	η down(%)	98.3	CIBSE SHR MAX	0.00



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-09-06

y Range: 0 - 180DEG
 y Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Operators: Test Distance:8.200m [K=1.0000]