

TEKDEK™ TD17

Luminaires for Parking Garages



POLYCARBONATE LENS &
DIRECT SURFACE MOUNT ONLY



PRODUCT FEATURES

- Textured tertiary lens for glare reduction and up-light feature to eliminate "cave-effect"
- Outputs ranging from 4,080 lm to 14,866 lm
- Compatible with TekLink™ lighting control technology and Wattstopper FSP-600 Series

SPECIFICATIONS

HOUSING: Marine-grade die-cast aluminum and UV-stabilized polycarbonate construction. Standard TGIC polyester powder coat finish on aluminum components with five-step pre-treatment to withstand 1,000 hour salt spray test per ASTM B117. See Ordering Information for available finishes. Closed-cell silicone gasketing seals all housing component interfaces. Die-cut closed-cell neoprene self-adhesive gasket seals housing to mounting surface (DTS).

MOUNTING: Direct-to-surface (DTS) mounting over recessed junction box, Trunnion Mount (TK) or pendant-mounted (PM) via 3/4" (1.91 cm) rigid sealed conduit (by others). See Ordering Information for selection. Housing access secured via tamper-resistant Torx™ fasteners.

OPTICAL: Type II, V-Narrow and V-Square roadway distributions available. UV-stabilized, high-impact resistant injection-molded clear textured 100% DR acrylic or polycarbonate tertiary lens.

ELECTRICAL: Serviceable high-brightness LED array. See Ordering Information for color temperature and CRI options. 70 CRI minimum. 120-277 VAC, 347VAC and 480VAC 50/60Hz single-phase input; constant-current dimming driver; <20% THD, >0.90 PF. Minimum 83% electrical efficiency. 0-10V dimming protocol with 10-100% range without dim-to-dark capabilities; 0.9mA max source current Replaceable surge suppressor rated to 20kA/kV per IEEE/ANSI C62.41 Cat. A. 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.

CONTROLS & SENSOR: Optional TekLink lighting control system. Optional sensor available with compatible Wattstopper or other third party controls. To see the full list of compatible controls, [click here](#).

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric data, please go to www.kenall.com.

WARRANTY: Limited five (5) year warranty. [Peace of Mind Guarantee against breakage](#).

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. IP65 rating per IEC 60598. Ambient temperature rating is -40°C to 50°C (55°C on 30L/47L). Passes 3G vibration test per ANSI C136.31-2001. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08 (TP Lens type required). Build America, Buy America Act compliant.



ATTACHMENT 07

ORDERING INFORMATION (EX: TD17-PM-5N-TP-DB-47L-40K8-DCC-DV)

Model	Mounting	Dist. Type	Lens Type	Finish	Lamp Power	Lamp Color	Driver Type	Voltage	Options	Accessories	Controls	Controls Kit
TD17							DCC					< >
Mounting			Lamp Power			Voltage			Controls - Wattstopper			
DTS*	Direct-to-Surface		30L	30W LED		DV	120-277 VAC, 50/60Hz		WSP6-L2	8ft Height Lens		
PM	Pendant Mount		47L	47W LED		347†	347VAC, 60Hz		WSP6-L2S	8ft Height Lens w/ Shroud		
TK	Trunnion Kit		72L	72W LED		480•	480VAC, 60Hz		WSP6-L2C	8ft Height Lens w/ Collar		
QM§	Quick Mount System		94L	94W LED					WSP6-L3	20ft Height Lens		
Distribution Type			Lamp Color▽			Options			Controls - TekLink			
2™	Type II		30K8	3000K/80CRI min		LEL‡•	7W Emergency Battery Pack (32°F [0°C] minimum ambient, DV input only)		TL50§	Non-Networked Control - Motion Only		
2HSS™	Type II, House-side shield		35K8	3500K/80CRI min		GTDU•	UL924 and UL1008 Listed Switch Bypass/Lighting Transfer Switch with 0-10V Dimming Override (not available with LEL/CEL Option, DV input only)		TL100	Wireless Networked Control - Motion Only		
5N	Type V – Narrow Round		40K8	4000K/80CRI min		FS	Single Fuse & Holder		TL1000▼	Wired Network Control - Advanced		
5S	Type V – Wide Square		40K7	4000K/70CRI min		BG	Bird Guard		TL2000▼	Wireless Network Control - Advanced		
Lens Type			50K7	5000K/70CRI min		PH	Phillips Fasteners					
TP*	Textured Polycarbonate		57K7	5700K/70CRI min		A1	A1 Construction (see page 4)					
TA	Textured Acrylic					Accessories			Controls Kit			
Finish			Driver Type			DCC	0-10V Dimming Constant Current		DS	Debris Shield	< >	Factory Assigned Internal Code
DB	Dark Bronze					Controls - TekLink						
FG	Forest Green					TL50§	Non-Networked Control - Motion Only					
GW	Reflectance White						Click here for specifications					
LG	Light Gray					TL100	Wireless Networked Control - Motion Only					
MB	Matte Black						Click here for specifications					
MW	Matte White					TL1000▼	Wired Network Control - Advanced					
SL	Silver						Click here for specifications					
CC	Custom Color (consult factory)					TL2000▼	Wireless Network Control - Advanced					
							Click here for specifications					

Please consult Kenall Applications when ordering TekLink controls. When specifying with integral TekLink controls, a mounting height of 10'-14' is recommended for optimal sensor coverage; 20' maximum with reduced coverage.

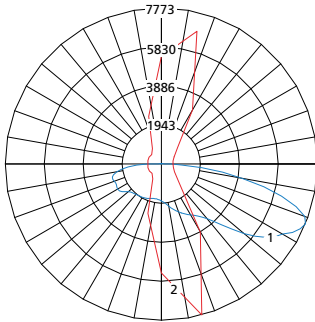
- * Required for Peace of Mind Guarantee*
 ‡ Not available with 94L Lamp Type
 ▲ Not available in conjunction with TL1000 or TL2000
 ■ Not available with 30L Lamp Type or TL50 TekLink Option
 § S1 Construction (See page 3)
 • A1 Construction (See page 3)
 ▼ A2 Construction (see page 3)
 † A1 Construction when paired with TL50 or TL100 Control System

PERFORMANCE

Lamp Code	Initial Delivered Lumens, By Optic Type (lm)						Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (Hrs)
	2-TA	2-TP	5S-TA	5S-TP	5N-TA	5N-TP			
30L-57K7	4,843	4,814	5,349	5,317	5,319	5,288	134 - 149	36	175,000
30L-50K7	4,843	4,814	5,349	5,317	5,319	5,288	134 - 149	36	175,000
30L-40K7	4,843	4,814	5,349	5,317	5,319	5,288	134 - 149	36	175,000
30L-40K8	4,370	4,344	4,827	4,798	4,800	4,772	121 - 134	36	175,000
30L-35K8	4,370	4,344	4,827	4,798	4,800	4,772	121 - 134	36	175,000
30L-30K8	4,104	4,080	4,510	4,483	4,508	4,482	113 - 125	36	175,000
47L-57K7	6,867	6,826	7,584	7,540	8,060	8,012	129 - 152	53	175,000
47L-50K7	6,867	6,826	7,584	7,540	8,060	8,012	129 - 152	53	175,000
47L-40K7	6,867	6,826	7,584	7,540	8,060	8,012	129 - 152	53	175,000
47L-40K8	6,197	6,160	6,845	6,804	7,274	7,231	116 - 137	53	175,000
47L-35K8	6,197	6,160	6,845	6,804	7,274	7,231	116 - 137	53	175,000
47L-30K8	5,820	5,786	6,395	6,357	6,831	6,791	109 - 129	53	175,000
72L-57K7	9,414	9,358	10,097	10,038	11,566	11,498	120 - 148	78	150,000
72L-50K7	9,414	9,358	10,097	10,038	11,566	11,498	120 - 148	78	150,000
72L-40K7	9,414	9,358	10,097	10,038	11,566	11,498	120 - 148	78	150,000
72L-40K8	8,496	8,445	9,112	9,058	10,438	10,376	108 - 134	78	150,000
72L-35K8	8,496	8,445	9,112	9,058	10,438	10,376	108 - 134	78	150,000
72L-30K8	7,979	7,932	8,590	8,539	9,803	9,745	102 - 126	78	150,000
94L-57K7	11,699	11,630	12,549	12,474	14,374	14,289	118 - 146	99	125,000
94L-50K7	11,699	11,630	12,549	12,474	14,374	14,289	118 - 146	99	125,000
94L-40K7	11,699	11,630	12,549	12,474	14,374	14,289	118 - 146	99	125,000
94L-40K8	10,558	10,496	11,324	11,257	12,972	12,895	106 - 131	99	125,000
94L-35K8	10,558	10,496	11,324	11,257	12,972	12,895	106 - 131	99	125,000
94L-30K8	9,953	9,894	10,675	10,612	12,183	12,111	100 - 123	99	125,000

Displayed information is for selected luminaires only. Information subject to change without notice. Visit www.kenall.com for .ies files and additional information.

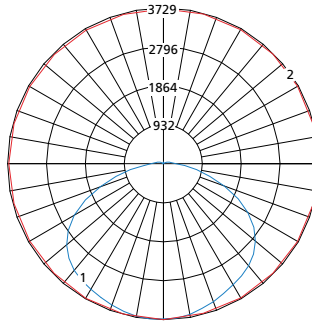
Model: TD17-sss-2-TA-vv-94L-40K7-DCC-DV



Max Candela = 7773 Located At Horizontal Angle = 285, Vertical Angle = 675

1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (675) (Through Max. Cd.)

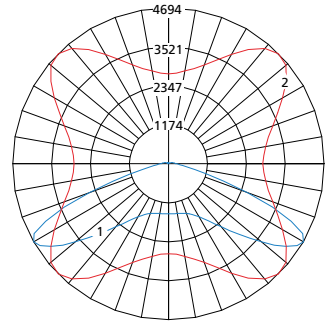
Model: TD17-sss-5N-TA-vv-94L-40K7-DCC-DV



Max Candela = 3729 Located At Horizontal Angle = 270, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

Model: TD17-sss-5S-TA-vv-94L-40K7-DCC-DV

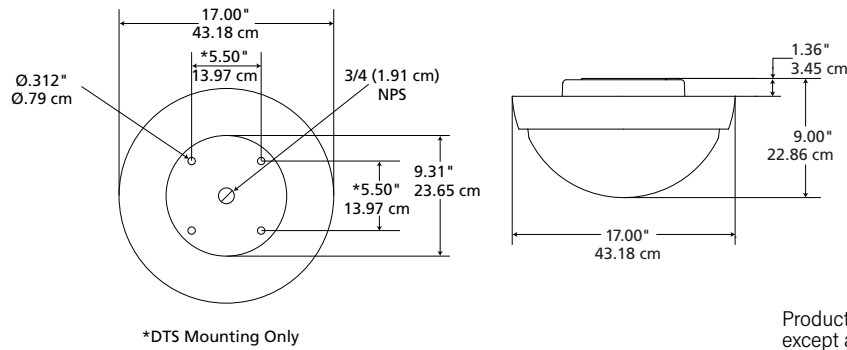


Max Candela = 4694 Located At Horizontal Angle = 45, Vertical Angle = 60

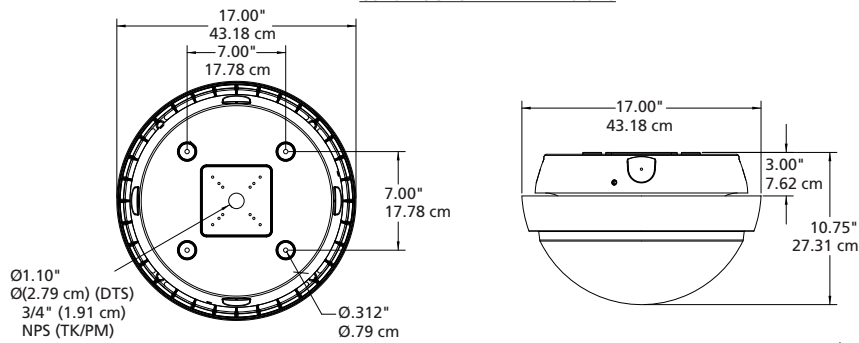
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

LUMEN AMBIENT TEMPERATURE (LAT) FACTORS

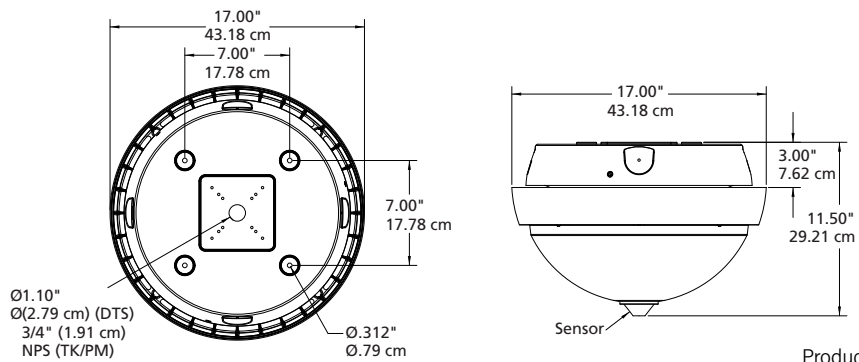
Avg. Ambient Temperature	10°C	15°C	20°C	25°C	30°C	35°C	40°C
Lumen Output Factor	1.03	1.02	1.01	1	0.99	0.98	0.97

DIMENSIONAL DATA
CONSTRUCTION 'S1' DIMENSIONS


Product built as above under all configurations, except as noted for options below.

CONSTRUCTION 'A1' DIMENSIONS


Product built as A1 when ordered with '480V', 'LEL', 'GTDU', 'A1', 'TL1000' (w/ standard microwave sensor) or 'TL2000' (w/ standard microwave sensor) option

CONSTRUCTION 'A2' DIMENSIONS


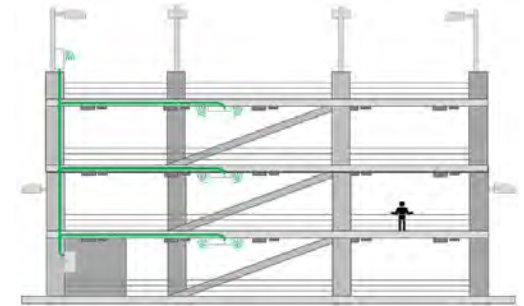
Product built as A2 when ordered with 'TL1000' (w/ PIR sensor), or 'TL2000' (w/ PIR sensor) option. PIR sensor is not standard, but available upon request

OPTIONS WATTSTOPPER CONTROLS

Wireless System: Smart and Simple

Wattstopper PLUS

The FSP-600 series by Wattstopper PLUS is an integrated, luminaire level lighting controller and sensor for indoor/outdoor lighting applications that require networked wireless control. The FSP-600 series is designed to integrate directly into exterior, high bay, parking garage, and general site lighting solutions. Each FSP-600 supports 0-10v continuous dimming, occupancy sensing and daylight control.

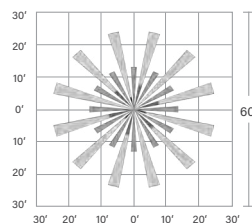


Ideal Wireless Manager Locations in Parking Structure

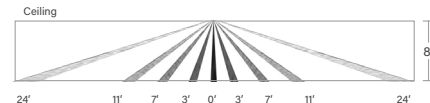


Coverage Patterns

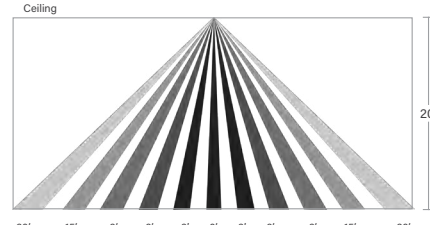
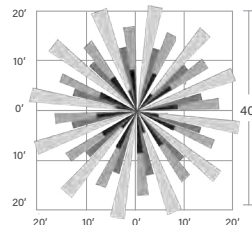
FSP-L2 top and side coverage patterns



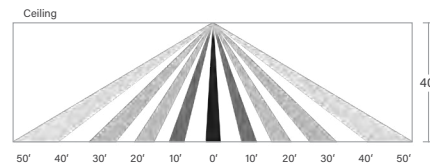
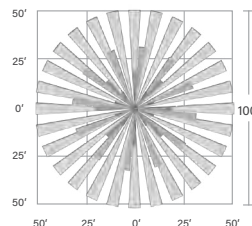
**Wattstopper PLUS FSP-600 series
Wireless Sensor**



FSP-L3 top and side coverage patterns



FSP-L7 top and side coverage patterns

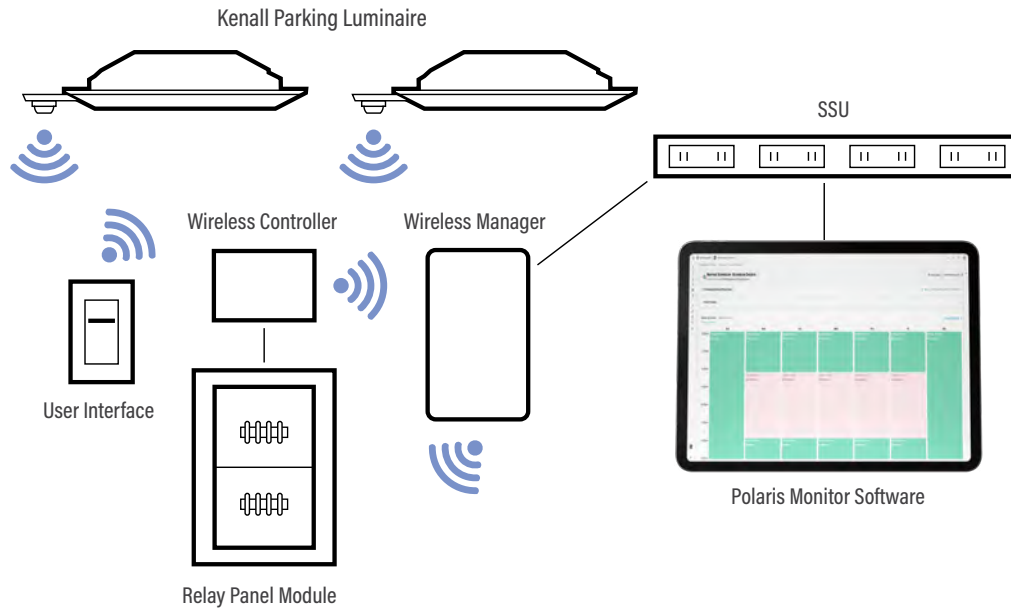


FSP-600 series by Wattstopper PLUS Features and Benefits

- High- and low-mounted solution designed for industrial & outdoor environments
- All-in-one control with 0-10V continuous dimming, occupancy and daylighting
- Load and zone-based control to meet advanced energy codes
- Multiple lens options to meet a variety of mounting heights and coverage needed
- Programmable parameters include scheduling, grouping, time delay, high/low/off, time clock, and many more.
- Seamless integration into the Wattstopper PLUS lighting control platform
- Out-of-the-box functionality
- Data insights via Polaris Monitor software
- Included in Wattstopper's OEM Partner Program
- End-of-line testing features make install easy and 'touchless' on the factory floor

For additional FSP-600 resources [click here](#).

OPTIONS WATTSTOPPER CONTROLS



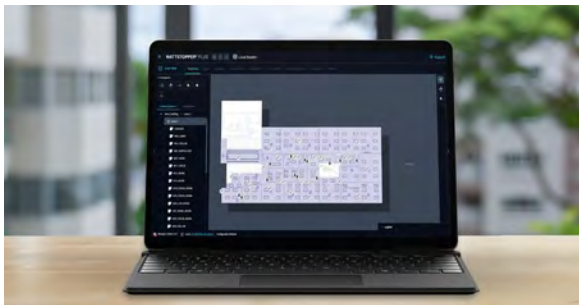
Initial Power Up and Other Settings

Factory default setting is 100% light output until the FSP-600 is commissioned into the Wattstopper Plus network.

The FSP-600 series commissioning process is similar to existing PLUS devices, Polaris config software supports the following capabilities:

- Control loads individually or as a group
- Event scheduling using astronomical or time of day
- Occupancy sensing to turn loads on or off and dim to a level using ramp up or fade down timers.

Polaris software supports the ability to monitor power and energy calculations based on schedules, occupancy, and load usage.



Bringing Visibility & Control to Wattstopper PLUS

Polaris software is at the core of Wattstopper PLUS — empowering facility managers and enabling the Wattstopper Experience. The advanced Polaris Monitor software is intuitive and easy to use thanks to new workflows, multi-device access, and other enhancements.