

ENVIROSEAL™

TESS SERIES

PRODUCT FEATURES:

» Surface ceiling or wall mount – 5"×24"
(12.70 cm × 60.96 cm), 5"×36" (12.70 cm × 91.44 cm),
and 5"×48" (12.70 cm × 122 cm)

» Hinged door for ease of maintenance



SPECIFICATIONS:

HOUSING: One-piece seam welded 16-gauge type 304 stainless steel construction.

BASEPLATE: Continuous seam welded 18-gauge type 304 stainless steel construction. Mounts flush to ceiling or wall surface. Each end cap provided with Ø.875" (Ø2.22 cm) punched, flattened knockout.

FINISH: Brushed stainless steel finish (#4B) or white TGIC polyester powder coat – 5-stage pre-treatment; Salt spray test: 1,000 hours; Reflectance: 92%.

LENS/GASKET: UV-stabilized, pearlescent or clear polycarbonate. Smooth exterior, linear prismatic interior. Nominal thickness .125" (.32 cm). Linear silicone gasket seals lens housing to baseplate.

HINGE: Continuous 1" (2.54 cm) open leaf stainless steel hinge secured to door and housing.

LENS RETENTION: Lens positioned in channels and retained with stainless steel fastener(s).

FASTENERS: Torx® Head stainless steel fasteners standard. See Options for stainless steel center-pin reject Allen Head (AH) or Phillips Head (PH) fasteners.

ELECTRICAL: LED; Available 3000K, 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC or 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V); 165 µA max. source current. LE; Electronic ballast <10% THD standard. See Ordering Information for multiple ballasts and optional equipment. Lamps by others.

OPTIONAL CONTROLS: Optional control module available with compatible third party controls. To see the full list of compatible controls, [click here](#).

SOCKETS: Shock-resistant fluorescent sockets with internal locking collar to ensure positive lamp retention.

INSTALLATION: For housing without wiring and mounting holes, see Field Drilled Installation Holes Option (FDIH). Four-point mounting and polycarbonate lens required for Peace of Mind Guarantee®.

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 LED warranty. [Peace of Mind Guarantee against breakage](#).

LISTINGS: UL and CUL listed for Wet Location – covered ceiling or horizontal wall mount. UL certified IP65 per IEC 60598.



ORDERING INFORMATION (Ex: TESS-48-1-45L50K-DCC-DV-5H-PP-FS)

Model	Length	Lamp Qty/Type	Ballast Type	Ballast Qty	Voltage	Housing Options	Lens Type	Options
TESS								

Nominal Length 24 2' (60.96 cm) 36 3' (91.44 cm) 48 4' (122 cm)	Lamp Type (Cross Section) 2' (60.96 cm) Lengths 1-14* F14T5 2-14* F14T5 1-17 F17T8 2-17 F17T8 3' (91.44 cm) Lengths 1-21* F21T5 2-21* F21T5 1-25† F25T8 2-25‡ F25T8 4' (122 cm) Lengths 1-45L30K 45 Watt 3000K LED 1-45L35K 45 Watt 3500K LED 1-45L40K 45 Watt 4000K LED 1-45L50K 45 Watt 5000K LED 1-28* F28T5 2-28* F28T5 1-32 F32T8 2-32 F32T8 1-54* F54T5HO 2-54* F54T5HO 1-44 F48T8HO 1-44 F48T8HO	Ballast Type DCC Dimming Constant Current (LED) IS Elec <10% THD Instant Start (T8) RS Elec <10% THD Rapid Start (T5, T5HO, T8) SB Specified Ballast Ballast Quantity 1 One 2 Two Voltage DV 120-277 Volts 347 347 Volt	Housing Options PSH 16-Ga 304SS; Painted 5H 16-Ga 304SS; Brushed PXH 16-Ga 316SS; Painted XH 16-Ga 316SS; Brushed Lens Type PP Pearlescent Polycarbonate CPT Clear Polycarbonate Options EL†* Standard Lumen EL Pack (standard 450 lumens; 2' (60.96 cm) fixtures have minimum 350-450 lumen battery pack) PEL†* High Lumen EL Pack (1100 lumens)(n/a on 2' (60.96 cm) fixtures) SEL† Specified EL Pack AH Allen Head fasteners FDIH Field Drilled Installation Holes FS Single Fuse & Holder HC Hub Connector PH Phillips Head fasteners ▲ n/a with 347V † n/a with LED lamping * Option n/a with LED, F14T5, F21T5 or F54T5HO lamps ‡ w/PEL Option available with one ballast only
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www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2022 Kenall Mfg. Co.

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ENVIROSEAL™

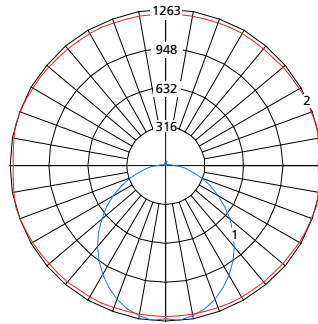
TESS SERIES – TECHNICAL DATA

PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
45L30K	4,410	90	49	100	80,000
45L35K	4,546	93			
45L40K	4,701	96			
45L50K	4,825	98			

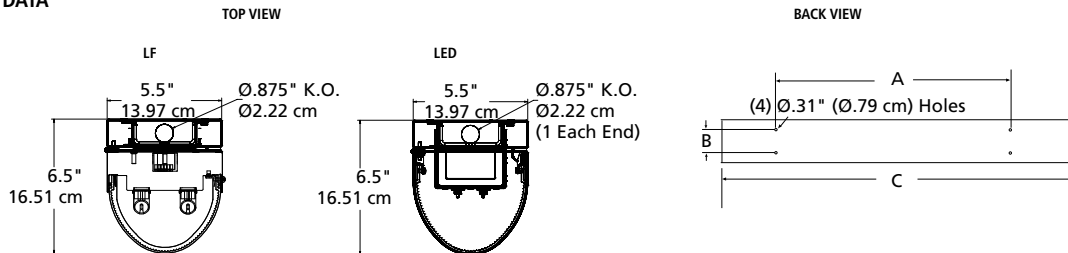
Displayed information above is for PP lens type. Info subject to change. Visit www.kenall.com for IES files and additional information.

Model: E55-48-45L40K-DCC-DV-2H-PP



Max Candela = 1263 Located At Horizontal Angle = 15, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES)

	A	B	C
TESS24 – T5	14.50 (36.83 cm)	3.94 (10.01 cm)	23.80 (60.45 cm)
TESS24 – T8	16.00 (40.64 cm)	3.94 (10.01 cm)	25.40 (64.52 cm)
TESS36 – T5	24.00 (60.96 cm)	3.94 (10.01 cm)	35.60 (90.42 cm)
TESS36 – T8	24.00 (60.96 cm)	3.94 (10.01 cm)	37.40 (95.00 cm)
TESS48 – T5	36.00 (91.44 cm)	3.94 (10.01 cm)	47.40 (120 cm)
TESS48 – T8	36.00 (91.44 cm)	3.94 (10.01 cm)	49.40 (125 cm)
TESS48 – LED	36.00 (91.44 cm)	3.94 (10.01 cm)	49.40 (125 cm)



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