

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 housing for ease of maintenance



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS:

BASEPLATE: Continuous seam welded 18-gauge type 304 stainless steel construction. Mounts flush to ceiling or wall surface.

HOUSING: One-piece seam welded 16-gauge type 304 stainless steel construction. 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" (2.54cm) open-leaf stainless steel hinge secures housing to baseplate.

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. **LF:** 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. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08.



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
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TESS

Nominal Length	Lamp Type (Cross Section)	Ballast Type	Housing Options
24 2' (60.96 cm)	2' (60.96 cm) Lengths	Ballast Type	Housing Options
36 3' (91.44 cm)	1-14* F14T5	DCC Dimming Constant Current (LED)	P5H 16-Ga 304SS; Painted
48 4' (122 cm)	2-14* F14T5	IS Elec <10% THD Instant Start (T8)	5H 16-Ga 304SS; Brushed
	1-17 F17T8	RS Elec <10% THD Rapid Start (T5, T5HO, T8)	PXH 16-Ga 316SS; Painted
	2-17 F17T8	SB Specified Ballast	XH 16-Ga 316SS; Brushed
	3' (91.44 cm) Lengths	Ballast Quantity	Lens Type
	1-21* F21T5	1 One	PP Pearlescent Polycarbonate
	2-21* F21T5	2 Two	CPT Clear Polycarbonate
	1-25‡ F25T8	Voltage	Options
	2-25‡ F25T8	DV 120-277 Volts	ELT* Standard Lumen EL Pack (standard 450 lumens;
	4' (122 cm) Lengths	347 347 Volt	2' (60.96 cm) fixtures have minimum 350-450 lumen battery pack)
	1-45L30K 45 Watt 3000K LED		PELT* High Lumen EL Pack (1100 lumens)(n/a on 2' (60.96 cm) fixtures)
	1-45L35K 45 Watt 3500K LED		SELT Specified EL Pack
	1-45L40K 45 Watt 4000K LED		AH Allen Head fasteners
	1-45L50K 45 Watt 5000K LED		FDIH Field Drilled Installation Holes
	1-28* F28T5		FS Single Fuse & Holder
	2-28* F28T5		HC Hub Connector
	1-32 F32T8		PH Phillips Head fasteners
	2-32 F32T8		
	1-54* F54T5HO		
	2-54* F54T5HO		
	1-44 F48T8HO		
	1-44 F48T8HO		

▲ 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



www.kenall.com | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA
This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. 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. ©2024 Kenall Mfg.Co.

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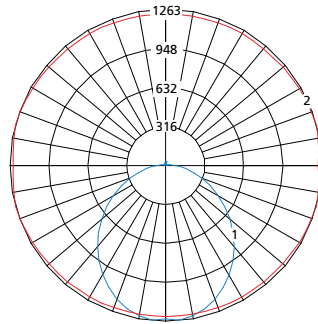
TESS SERIES – TECHNICAL DATA

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			

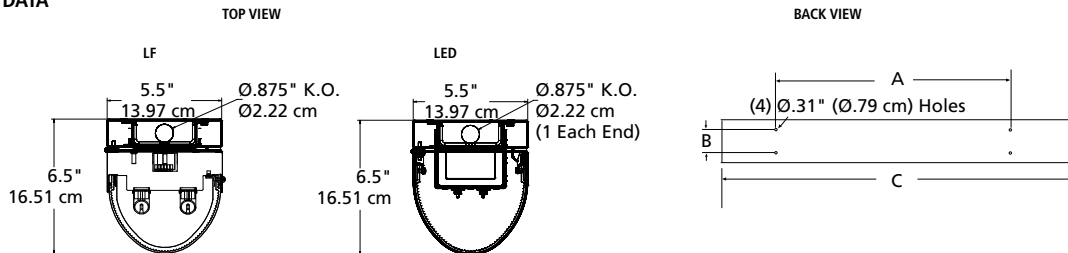
Displayed information above is for PP lens type. Info subject to change. Visit www.kenall.com for IES files and additional information.

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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