

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



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

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 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.

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.

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



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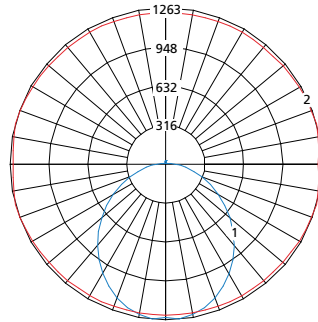
TES5 SERIES – TECHNICAL DATA

PERFORMANCE

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

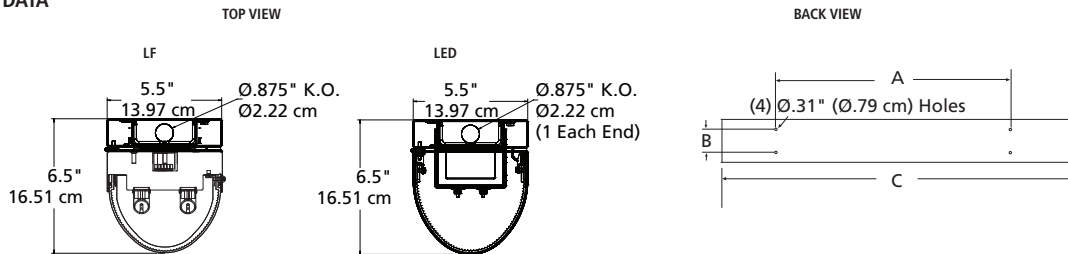
Displayed information above is for PP lens type. Info subject to change. Visit www.kenall.com for IES files and additional information.

Model: ESS-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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