

ELT-WT

Project Name:	
Type:	



APPLICATION

A low-profile ELT-WT LED recessed troffer is available in three sizes including 1'x4', 2'x2', and 2'x4' and suitable for both flange and grid installations. An acrylic lens offers durability and enhances general illumination, ideal for commercial and institutional environments such as showers, bathrooms, locker rooms, recreational facilities, and other applications needing a wet location listing.

FEATURES:

- 100% acrylic, clear prismatic, pattern #12 with minimum 0.125" thickness A12 lens as standard.
- Pattern 12 acrylic with prisms positioned inside fixture and smooth surface on outside, easy-to-clean outer surface.
- Sealed with gaskets between the lens, door frame and housing guard against moisture.
- Die formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- Aluminum door frame is standard. Unique door frame design delivers a premium extruded appearance. Smooth edges for easy handling. Powder-painted, door steel latches provide easy, secure door closure.
- Painted parts finished with high-gloss baked white enamel over rust inhibiting phosphate coating.
- PAF (Painted After Fabrication) finish is standard for corrosion resistance and efficiency.

MOUNTING:

- Recessed ceiling mount.
- Compatible with most ceiling types.
- Field installed flange kit. (available as option)

LED:

- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 80
- Calculated L70: 122,000 hours
- Reported L70: >54,000 hours

ELECTRICAL:

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class 2 circuit.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Universal Lighting Everline : 0-10V Dim to 1%(ULT)
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- Generic : 0-10V 10% dim. (GR)
- Operating temperature: -4°F (-20°C) ~ 122°F (50°C).
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

LISTING:

- UL/CUL listed and labeled for use in wet location(covered ceiling only)
- Listed to UL 1598 and UL 8750.
- Recessed Luminaires.
- Suitable for wet locations (Covered ceiling only).
- CEC Compliant EM (please contact for more information)
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ⁵
- ARRA compliant (optional).
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Series	Size	LED	AC Input	Lumen Output (4000K)	Lumen Efficiency (4000K)
ELT-WT	1' x 4'	36LED	39.33W	4361.57 lm	110.90 lm/W
		44LED	46.71W	5584.36 lm	119.55 lm/W
		54LED	57.33W	6404.25 lm	111.71 lm/W
		72LED	78.66W	9339.55 lm	118.73 lm/W
		108LED	114.66W	13713.58 lm	119.60 lm/W
	2' x 2'	27LED	29.76W	3598.15 lm	121.27 lm/W
		36LED	39.22W	4536.36 lm	115.66 lm/W
		44LED	46.84W	5384.59 lm	114.96 lm/W
		54LED	57.49W	6608.91 lm	114.96 lm/W
		72LED	78.44W	9072.71 lm	115.66 lm/W
		108LED	114.98W	13216.80 lm	114.95 lm/W
	2' x 4'	36LED	39.58W	4850.41 lm	122.55 lm/W
		44LED	47.08W	5798.86 lm	123.17 lm/W
		54LED	57.79W	7134.53 lm	123.46 lm/W
		72LED	75.50W	9238.20 lm	122.36 lm/W
		108LED	108.0W	13088.52 lm	121.19 lm/W

CCT	Multiplier		
	3000K	3500K	5000K
1X4	0.9502	0.9837	1.0173
2X2	0.9891	0.9951	1.0119
2X4	0.9809	0.9980	1.0030

OUTPUT CURRENT

		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%


CEILING OPENING

Series	Size	Width	Length
FK	1' x 4'	12-3/8"	48-3/8"
	2' x 2'	24-3/8"	24-3/8"
	2' x 4'	24-3/8"	48-3/8"

ELT-WT

ORDERING INFORMATION


EXAMPLE: ELT-WT-22-27LED-40K-UNV-GR

MODEL		LED		COLOR TEMP.		EFFICACY		CRI	
ELT-WT-14	1' x 4'	27LED	27W LED	-27K	2700K ⁷	(Blank)	Standard High Efficacy 	(Blank)	80+ CRI
ELT-WT-22	2' x 2'	36LED	36W LED	-30K	3000K	HE		C9	90+ CRI ⁸
ELT-WT-24	2' x 4'	44LED	44W LED	-35K	3500K				
		54LED	54W LED	-40K	4000K (Std.)				
		72LED	72W LED	-50K	5000K				
		108LED	108W LED						

* Contact factory for custom wattage or lumen requirement.

DOOR FRAME		TRIM TYPE		DIFFUSER		VOLTAGE	
(Blank)	Flush Aluminum, White	(Blank)	Grid	(Blank)	Pattern #12 Acrylic Lens 0.125" Thick	UNV	120-277V
FB	Flush Aluminum, Black	FK	Flange ¹	A12	Pattern #12 Acrylic Lens 0.1"	120	120V
				P12125	Pattern #12 Polycarbonate Lens 0.125" Thick	277	277V
				WA125	Lumieo white acrylic lens 0.125" Thick	347	347V
				A19	Pattern #19 Acrylic Lens 0.156" Thick	480	480V ²
				FR	Frosted Acrylic Lens, 0.100" thick		

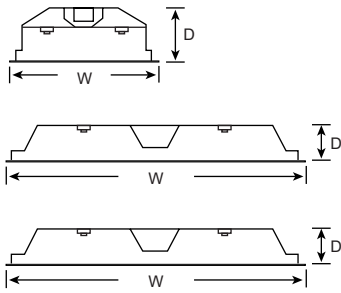
LED DRIVER			
GR	Generic, 0-10V 10% dim (Std.) ⁶	LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim
PH	Philips Xitanium, 0-10V 1% dim ⁶	ELV	ELV compatible (reverse-phase or trailing-edge)
ULT	Universal Everline 0-10V 1% dim ⁶	PHSR	Philips Xitanium Sensor-Ready, Dali 5%-100% dim
OS	Osram Optotronic, 0-10V 10% dim ⁶	PHDL	Philips Xitanium DALI driver, Dim to 5%
OS1	Osram Optotronic, 0-10V 1% dim ⁶	ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
SD40	40% / 100% Bi-Level Step dim (PH only)	DIMT	Tri-mode dimming (Triac, ELV, 0-10V)
SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10%~70%) (PH only)	DMX	DMX512 control system (Only available with RGB+W option)
TDM	Triac Dim. (120V only)	ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
TD30/70	30% / 70% / 100% Tri-Level Step dim (PH only)	LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)
TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)	BLT	Bluetooth Mesh System (contact factory for more information)
ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim		

OPTIONS		LIGHTING CONTROL SYSTEM		
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) ^{3,4}	LUTRON VIVE	<Lutron Vive System Enabled>	
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) ^{3,4}		 Click Here!	
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) ^{3,4}		<EasySense>	
ELCU-200	Fail-to-on Emergency lighting, UL924 ⁹		SNS200C	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ^{10,11}
GTD	Bodine Generator Transfer Device		RS-IR	IR dongle v2.0 for EasySense control
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)			
ARRA	Assembled in USA for Buy American Act			
AB	Two Ballast for AB Switch			
MS11	Master Slave w/ 11' Whip			
PW6	Pre-wired 6' Whip Flex			
O7W	Optional 7 Years Limited Warranty ⁶			
O10W	Optional 10 Years Limited Warranty ⁶			
HFMS	High Frequency Sensor w/Hold-Off Daylight Control			
HC403	Microwave bi-level Occupancy Sensor, adjustable via DIP switch ¹²			

NOTES:

1. Flange kits are supplied in separate boxes, field installed.
2. Supplied with step down transformer.
3. Contact factory for other emergency ballast options.
4. Must specify voltage, not available with 347V, 480V.
5. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup does not included)
6. To find an approved dimmer switch, please see table 1.
7. Available with C9 only.
8. Lumen per watt is around 15% less than standard CRI (80+).
9. Shipped separately.
10. See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
11. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
12. See Table2 to find factory setting.

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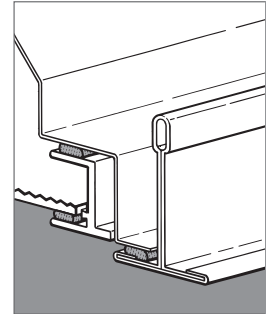


Specifications: 1'x4'
 Length: 47-3/4 (1213)
 Width: 11-15/16 (303)
 Depth: 4-1/2 (115)
 Weight: 16.16 lbs (7.33 kg)

Specifications: 2'x2'
 Length: 23-3/4 (603)
 Width: 23-15/16 (608)
 Depth: 3-1/2 (88.9)
 Weight: 13.07 lbs (5.93 kg)

Specifications: 2'x4'
 Length: 47-3/4 (1213)
 Width: 23-15/16 (608)
 Depth: 3-1/2 (88.9)
 Weight: 21.01 lbs (9.53 kg)

All dimensions are in inches (millimeters).



Standard gaskets provided with ELT-WT

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IlumaTech IP7 series
		<Lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IlumaTech - IP710-DLX
		<Lightoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DDTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-A08, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
ED560	eldoLED DUALdrive	<Lunatone>	SS-LUNAT PS2 30mA SS-LUNAT Touch or BT SS-LUNAT Comm
LDE1	Lutron 5-Series EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO ^{1,2} Energi Savr Node (120V only): QSN-1EC0-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
PHSR ³	Philips Xitanium Sensor-Ready	<Ilumra>	<u>Single Rocker Self-Powered Light Switch (on/off, dim-up/down)</u> Ilumra# ZBT-S1AWH Digi-Key# 1082-1033-ND <u>Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2)</u> Ilumra# ZBT-S2AWH Digi-Key# 1082-1034-ND
TDM	KEYSTONE	<Lutron>	Diva DV-600P, SkyLark S-600P, Maestro MA-600 (Digital)
ELV	ERP	<Lutron>	Nova-NFTV, Diva-DDTV
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.

NOTES:

- All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.
- For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.
- Recommended for EasySense System.

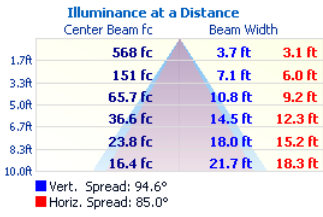
HC403 FACTORY SETTING (TABLE 2)

Detection Area	100%
Hold-time	5 sec
Daylight sensor	Disable
Stand-by period (tri-level control)	10 sec
Stand-by dimming level	10%

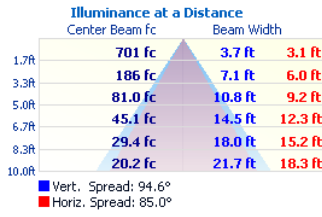
* See a separate attachment to find more setting options.

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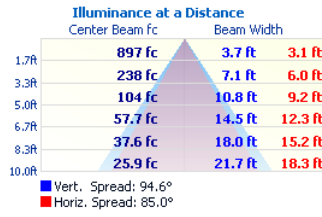
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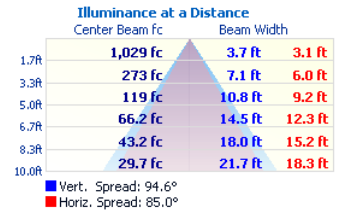
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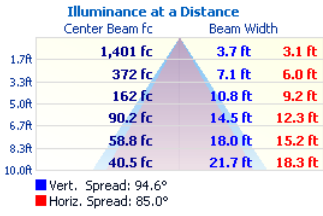
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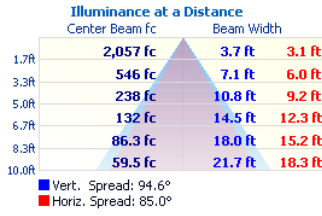
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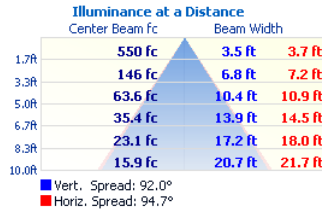
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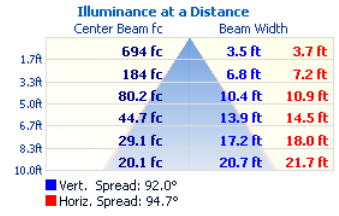
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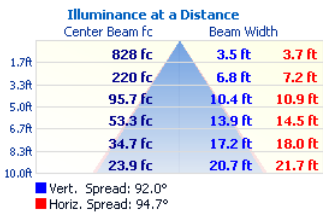
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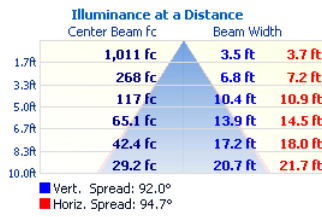
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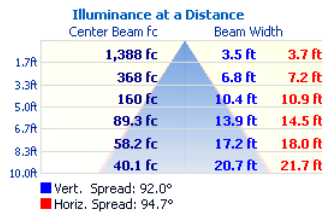
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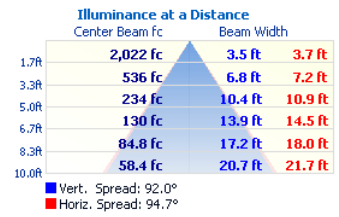
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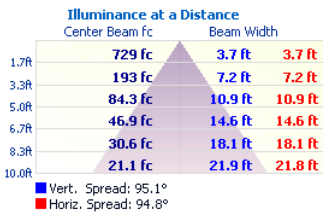
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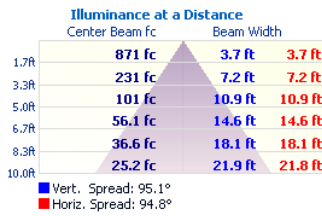
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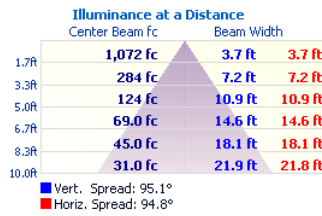
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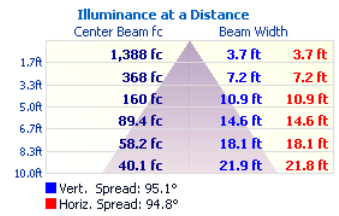
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ELT-WT-24-2G-72LED



ELT-WT-24-2G-108LED

