

## ELT-PAO



CASAMBI

## APPLICATION

The ELT-PAO is a recessed, low profile volumetric troffer luminaire with dynamic 3D pattern acrylic overlay to help create and decorate the space. Suitable for commercial and institutional spaces including open offices, classrooms, retail, and healthcare facilities.

## FEATURES:

- Die-formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- Standard steel door frame allows easy lens replacement without tool.
- Smooth edge for easy handling.
- Door steel latches provide easy, secure closure.
- Painted parts finished with high-gloss baked white enamel over rust inhibiting phosphate coating for maximum corrosion resistance.
- Paint after fabrication.
- 3/16" thick transparent acrylic overlay with dynamic 3D patterns, provided with glare-reducing overlay for comfortable illumination.

## MOUNTING:

- Recessed ceiling mount.
- Compatible with most ceiling types.
- Field installed flange kit is optional.

## LED:

- High quality array LEDs.
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color rendering Index: >80 (standard), >90 optional.
- Calculated L70: 122,000 hours
- Reported L70: +60,000 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.
- Generic : 0-10V 10% dim. (GR)
- Minimum starting 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.
- Listed to UL 1598 and UL 8750.
- Recessed Luminaires, Type IC
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) <sup>4</sup>
- ARRA compliant (optional).

## CONFIGURATIONS

Series	Size	LED	AC Input	Lumen Output	Lumen Efficiency
ELT-PAO	2' x 2'	27LED	29.76W	3172.4 lm	106.59 lm/W
		36LED	39.22W	4180.85 lm	
		44LED	46.84W	4993.14 lm	
		54LED	57.49W	6128.43 lm	
		72LED	78.44W	8361.7 lm	
	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	7143.53 lm	123.46 lm/W
		72LED	75.50W	9238.2 lm	122.36 lm/W

## 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 2'	12-3/8"	24-3/8"
	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"
FTSH	1' x 4'	12-3/16"	48-3/4"
	2' x 2'	23-15/16"	24-7/8"
	2' x 4'	24-5/8"	48-3/4"

# LED RECESSED TROFFER WITH 3D ACRYLIC PATTERNS

## ELT-PAO

### ORDERING INFORMATION

EXAMPLE: ELT22-36LED-40K-PAO-D-UNV-GR

MODEL		LED		COLOR TEMP.		CRI		DOOR FRAME		TRIM TYPE	
ELT22	2' x 2'	27LED	27W LED	-27K	2700K <sup>6</sup>	(Blank)	80+ CRI	(Blank)	Flush Steel, White	(Blank)	Grid
ELT24	2' x 4'	36LED	36W LED	-30K	3000K	C9	90+ CRI <sup>7</sup>	SB	Flush Steel, Black	FK	Flange <sup>11</sup>
		44LED	44W LED	-35K	3500K			FB	Flush Aluminum, Black	FTSH	Flanged Trim <sup>12</sup>
		54LED	54W LED	-40K	4000K (Std.)			FN	Flush Aluminum, Natural		
		72LED	72W LED	-50K	5000K			FW	Flush Aluminum, White		
* Contact factory for custom wattage or lumen requirement.											

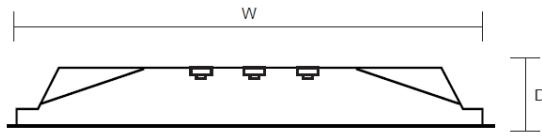
PATTERN		VOLTAGE		LED DRIVER <sup>5</sup>					
PAO-A	Patterned Acrylic Overlay with A pattern	UNV	120-277V	GR	Generic, 0-10V 10% dim (Std.)				
PAO-B	Patterned Acrylic Overlay with B pattern	120	120V	DM1	Generic 0-10V 1% dim				
PAO-C	Patterned Acrylic Overlay with C pattern	277	277V	SD40	40% / 100% Bi-Level Step dim				
PAO-D	Patterned Acrylic Overlay with D pattern	347	347V	SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10%~70%)				
PAO-E	Patterned Acrylic Overlay with E pattern	480	480V <sup>1</sup>	TDM	Triac Dim. (120V only)				
PAO-F	Patterned Acrylic Overlay with F pattern			TD30/70	30% / 70% / 100% Tri-Level Step dim				
PAO-G	Patterned Acrylic Overlay with G pattern			TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)				
PAO-H	Patterned Acrylic Overlay with H pattern			ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim				
PAO-I	Patterned Acrylic Overlay with I pattern			LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim				
PAO-J	Patterned Acrylic Overlay with J pattern			ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)				
PAO-K	Patterned Acrylic Overlay with K pattern			PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim				
PAO-L	Patterned Acrylic Overlay with L pattern			PHDL	Philips Xitanium DALI driver, Dim to 5%				

OPTIONS		LIGHTING CONTROL SYSTEM								
EMG5	5W EM Battery Backup (CEC Compliant EM) <sup>2,3</sup>		VRF	<u>Lutron Vive System Enabled</u>						
EMG8	8W EM Battery Backup (CEC Compliant EM) <sup>2,3</sup>		FCJSO	Vive Integral fixture control (RF only), (Must be ordered with EcoSystem drivers or PHSR)						
EMG16	16W EM Battery Backup (CEC Compliant EM) <sup>2,3</sup>		FCJSE	Vive Attached fixture control (RF only for 0-10V drivers), (N/A with GR driver)						
EMG25	25W EM Battery Backup (CEC Compliant EM) <sup>2,3</sup>		FCJSOEM	Vive Attached fixture control (RF only for Lutron EcoSystem drivers)						
ELCU-200	Fail-to-on Emergency lighting, UL924 <sup>8</sup>		FCJSEEM	UL 924 Emergency PowPak wireless fixture control for 0-10V drivers						
GTD	Bodine Generator Transfer Device			UL 924 Emergency PowPak wireless fixture control for Ecosystem drivers						
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)			<u>&lt;EasySense&gt;</u>						
ARRA	Assembled in USA for Buy American Act		SNS200C	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) <sup>9,10</sup>						
AB	Two Ballast for AB Switch		RS-IR	IR dongle v2.0 for EasySense control						
MS11	Master Slave w/ 11' Whip			<u>&lt;Bluetooth&gt;</u>						
PW6	Pre-wired 6' Whip Flex		PPA102S	Bluetooth Powerpack (Consult factory for installation location)						
HC403	Microwave bi-level Occupancy Sensor, adjustable via DIP switch			Contact factory for CASAMBI READY options						
O7W	Optional 7 Years Limited Warranty <sup>4</sup>									
O10W	Optional 10 Years Limited Warranty <sup>4</sup>									
AMB	Anti-Microbial Coating (Matte Skye White)									

#### NOTES:

1. Supplied with step down transformer.
2. Contact factory for other emergency ballast options.
3. Must specify voltage, not available with 347V, 480V.
4. 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)
5. To find an approved dimmer switch, please see table 1.
6. Available with C9 only.
7. Lumen per watt is around 15% less than standard CRI (80+).
8. Shipped separately.
9. See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
10. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
11. Flange kits are supplied in separate boxes, field installed.
12. Flanged trims are supplied with swing gate hanger.

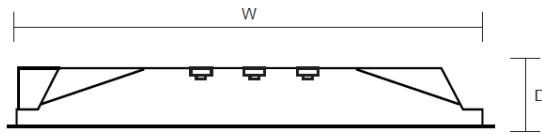
# ELT-PAO



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)

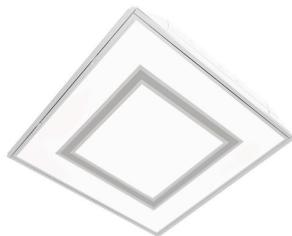
All dimensions are in inches (millimeters).



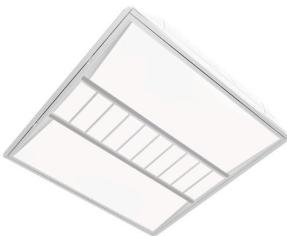
Specifications: 2'x4'

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

## PATTERNS



A



B



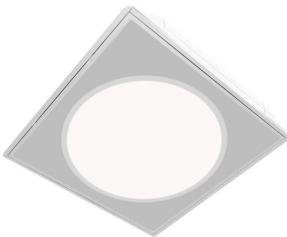
C



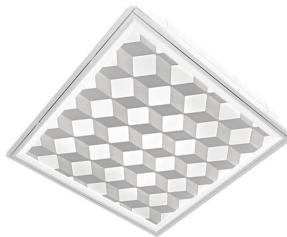
D



E



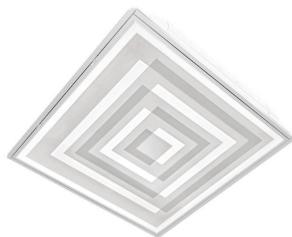
F



G



H



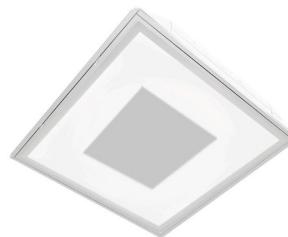
I



J



K



L

## ELT-PAO

## COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech IP7 series
		<Lutron>	Visit <a href="http://www.lutron.com/advance">www.lutron.com/advance</a> 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>	IllumaTech - 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 - DTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLVV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
LDE1	Lutron 5-Series EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO 1,2 Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ_E(wireless) QSGRJ_E Quantum Hub (120V only): QP2-_2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
PHSR <sup>3</sup>	Philips Xitanium Sensor-Ready	<Illumra>	Single Rocker Self-Powered Light Switch (on/off, dim-up/down) Illumra# ZBT-S1AWH Digi-Key# 1082-1033-ND
			Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2) Illumra# ZBT-S2AWH Digi-Key# 1082-1034-ND
TDM	KEYSTONE	<Lutron>	Diva DV-600P, SkyLark S-600P, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW
		<Leviton>	6641, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P

## 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](http://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.