ELT

Project Name:	
Type:	

APPLICATION

This recessed, low-profile designed with an acrylic lens, high performance luminaire provides general illumination. Its high efficiency, great performance and value make it an ideal choice for commercial and institutional environments.

FEATURES:

- 100% acrylic, clear prismatic, pattern #12 with minimum 0.1" thickness A12 lens as standard.
- Die formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- Standard steel door frame allows easy lens replacement without tool. 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: +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.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- 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
- DLC listed. [6]
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) [7]
- ARRA compliant (optional).
- BAA compliant (optional).
- LM-79 (DLC listed products only)
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Series	Size	LED	AC Input	Lumen Output (4000K)	Lumen Efficiency (4000K)
ELT-2G	1' x 4'	27LED	28.5W	3537 lm	124.10 lm/W
		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
		174LED	174.0W	20000 lm	114.94 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
		174LED	174.0W	21087 lm	121.19 lm/W

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

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ORDERING INFORMATION

EXAMPLE: *ELT22-2G-36LED-40K-UNV-SD50*

MODEL		LED		COLOR TEMP.		EFFICACY		CRI	
ELT14-2G	1' x 4'	**27LED**	27W LED	**-27K**	2700K [10]	**(Blank)**	Standard	**(Blank)**	80+ CRI
ELT22-2G	2' x 2'	**36LED**	36W LED	**-30K**	3000K	**HE**	High Efficacy 10%	**C9**	90+ CRI [11]
ELT24-2G	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. [12]							
ELT22-2G	2' x 2'	**174LED**	174W LED						
ELT24-2G	2' x 4'								

DOOR FRAME		TRIM TYPE		DIFFUSER		VOLTAGE	
(Blank)	Flush Steel, White	**(Blank)**	Grid	**(Blank)**	Pattern #12 Acrylic Lens 0.1"	**UNV**	120-277V
SB	Flush Steel, Black	**FK**	Flange [1]	**A12125**	Pattern #12 Acrylic Lens 0.125" Thick	**120**	120V
FB	Flush Aluminum, Black	**FTSH**	Flanged Trim [2]	**P12125**	Pattern #12 Polycarbonate Lens 0.125" Thick	**277**	277V
FN	Flush Aluminum, Natural			**WA125**	Lumieo white acrylic lens 0.125" Thick [19]	**347**	347V
FW	Flush Aluminum, White			**A19**	Pattern #19 Acrylic Lens 0.156" Thick	**480**	480V [3]
RB	Regressed Aluminum, Black			**P1**	5/8"x5/8"x7/16" Deep Specular Plastic Louver		
RN	Regressed Aluminum, Natural			**FR**	Frosted Acrylic Lens, Pattern#12 0.100" thick		
RW	Regressed Aluminum, White			**FR12**	Frosted Acrylic Lens, Pattern#12 0.125" thick		
AMB	Anti-Microbial Coating (Matte Skye White)			**P5OL**	3/4" x 3/4" x 3/8" Deep Specular Plastic Louver with overlay		

LED DRIVER	
GR	Generic, 0-10V 10% dim (Std.) [9]
DM1	Generic 0-10V 1% dim
PH	Philips Xitanium, 0-10V 1% dim [9]
OS	Osram Optotronic, 0-10V 10% dim [9]
OS1	Osram Optotronic, 0-10V 1% dim [9]
SD40	40% / 100% Bi-Level Step dim (PH only)
SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10%~70%) (PH only)
TDM	Triac Dim. (120V only)
TD30/70	30% / 70% / 100% Tri-Level Step dim (PH only)
TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)
ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim
LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim
ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)
PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim
PHDL	Philips Xitanium DALI driver, Dim to 5%
DMX	DMX512 control system (Only available with RGB+W option)
DLM	Wattstopper's DLM interface(Only available with RGB+W option)
ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
LTEA2W	Hi-lume 1% 2-wire LED driver(120V forward phase only)
BLT	Bluetooth Mesh System (contact factory for more information)

OPTIONS	
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [4, 5]
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [4, 5]
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [4, 5]
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [4, 5]
ELCU-200	Fail-to-on Emergency lighting, UL924 [13]
GTD	Bodine Generator Transfer Device
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
ARRA	Assembled in USA for Buy American Act
BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant
AB	Two Ballast for AB Switch
MS11	Master Slave w/ 11' Whip
WT	Wet Location [16]
PW6	Pre-wired 6' Whip Flex
AMS	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
DPMS	Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required if FD-301 is installed) [17]
SO	Dimming Wires connected to Sensor Only (available option on FS-205 non-Blue-tooth AMS sensor only) [8]
LSR-301-S	Setup Remote Control for DPMS (Required for DPMS)
LSR-301-P	Occupant Remote Control for DPMS
O7W	Optional 7 Years Limited Warranty [7]
O10W	Optional 10 Years Limited Warranty [7]
GS1	Single Gasketing
GS2	Double Gasketing
GS3	Triple Gasketing
LMS-109	Line Voltage integrated microwave Sensor
HC403	Microwave bi-level Occupancy Sensor, adjustable via DIP switch [18]
WG	Wireguard
GS1	Single Gasketing (Door to Housing)
GS2	Double Gasketing (GS1 and Lens to Door)
GS3	Triple Gasketing (GS2 and Housing to Ceiling)

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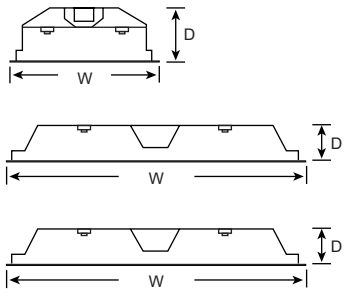
LIGHTING CONTROL SYSTEM	
LUTRON VIVE	<Lutron Vive System Enabled> **Click Here!**
SNS200C **RS-IR**	<EasySense> EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) [14, 15] IR dongle v2.0 for EasySense control
IFS105SE **PPA102S**	<Bluetooth> Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming Bluetooth Powerpack (Consult factory for installation location)

NOTES:
1. Flange kits are supplied in separate boxes, field installed.
2. Flanged trims are supplied with swing gate hanger.
3. Supplied with step down transformer.
4. Contact factory for other emergency ballast options.
5. Must specify voltage, not available with 347V, 480V.
6. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified.
   Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
7. 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)
8. Dimming wires provided and connected to sensor only, not for dimmer switch. (available with AMS and DPMS option)
9. To find an approved dimmer switch, please see table 1.
10. Available with C9 only.
11. Lumen per watt is around 15% less than standard CRI (80+).
12. Custom wattage products are not DLC qualified.
13. Shipped separately.
14. See NFC and IR manual in the separate attachment. If your phone is not compatible, please order “RS-IR” and follow the manual.
15. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
16. Closed cell gasket between housing and door frame, and between lens and door frame (additional gasket between housing and ceiling grid available with G3 option). FW door and Grid Ceiling only.
17. Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.
18. See Table2 to find factory setting.
19. 21% light loss compared to pattern#12 acrylic lens.



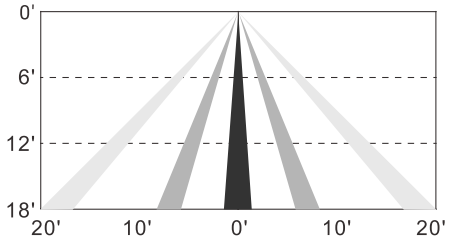
Specifications: 1’x4’
Length: 47-3/4 (1213)
Width: 11-15/16 (303)
Depth: 4-1/2 (115)
Weight: 16.16 lbs (7.33 kg)

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)

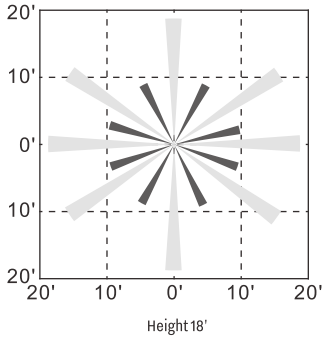
Specifications: 2’x4’
Length: 47-3/4 (1213)
Width: 23-15/16 (608)
Depth: 3-1/2 (88.9)
Weight: 21.01 lbs (9.53 kg)

All dimensions are in inches (millimeters).

SIDE VIEW



TOP VIEW



AMS, IFS105SE coverage pattern

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COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech 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>	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 - DVTV-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
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	<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
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:
1. 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.
2. 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.
3. 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.

OUTPUT CURRENT

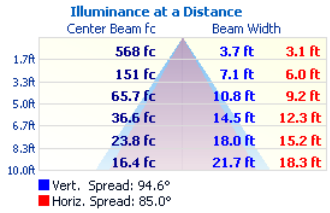
		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

CEILING OPENING

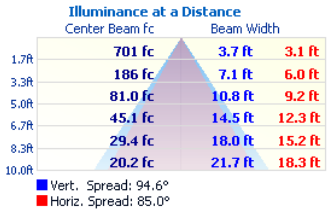
Series	Size	Width	Length
FK	1’ x 2’	12-3/8”	24-3/8”
	1’ x 4’	12-3/8”	48-3/8”
	2’ x 2’	24-3/8”	24-3/8”
	2’ x 4’	24-3/8”	48-3/8”
FTSH	1’ x 4’	12-3/16”	48-3/4”
	2’ x 2’	23-15/16”	24-7/8”
	2’ x 4’	24-5/8”	48-3/4”

ELT

ELT14-2G-27LED



ELT14-2G-36LED



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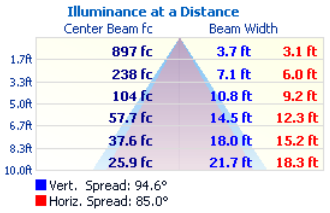

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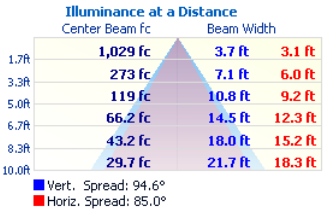

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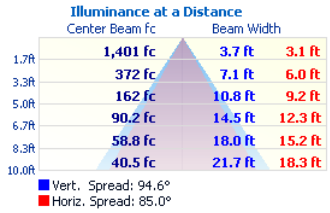

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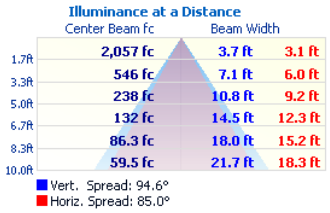

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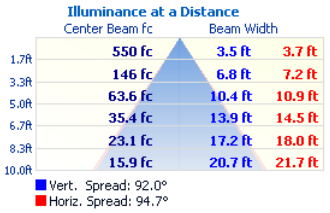

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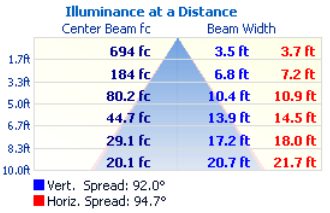

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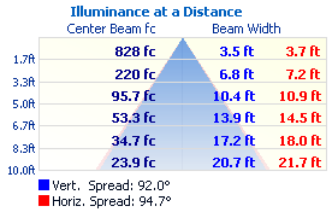

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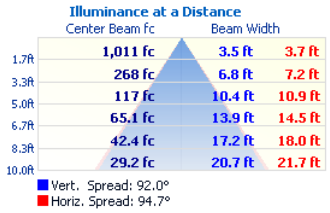

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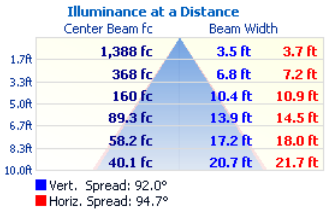
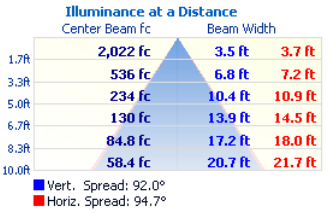
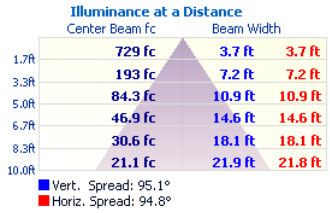


ELT22-2G-108LED



ELT24-2G-36LED



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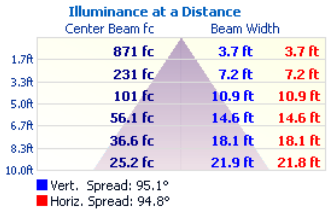
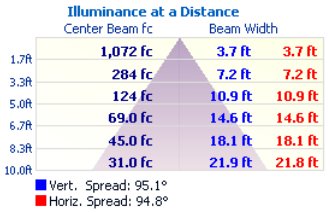
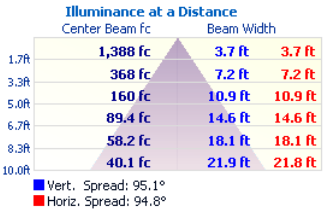


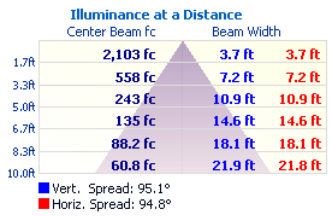
ELT24-2G-54LED



ELT24-2G-72LED



ELT24-2G-108LED



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