

ELT-WT

| | |
|---------------|--|
| Project Name: | |
| Type: | |



CASAMBI

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: +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)
- 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).
- BAA compliant (optional).
- Trade Agreements Act 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 (Std.) | UNV | 120-277V |
| FB | Flush Aluminum, Black | FK | Flange ¹ | A12 | Pattern #12 Acrylic Lens 0.1" Thick | 120 | 120V |
| | | | | P12125 | Pattern #12 Polycarbonate Lens 0.125" Thick | 277 | 277V |
| | | | | WA8 | Lumieo white acrylic lens 0.080" Thick | 347 | 347V |
| | | | | A19 | Pattern #19 Acrylic Lens 0.156" Thick | 480 | 480V ² |
| | | | | FR | Frosted Acrylic Lens, Pattern#12 0.100" Thick | | |

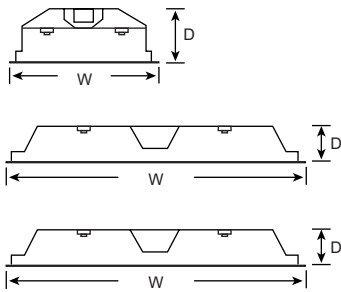
| LED DRIVER | | | |
|------------|---|---|---|
| GR | Generic, 0-10V 10% dim (Std.) ⁶ | LDE1 | Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim |
| DM1 | Generic 0-10V 1% dim | ELV | ELV compatible (reverse-phase or trailing-edge), (120V only) |
| SD40 | 40% / 100% Bi-Level Step dim | PHSR | Philips Xitanium Sensor-Ready, Dali 5%-100% dim |
| SDXX | XX% / 100% Bi-Level Step dim (Specify XX : 10%~70%) | PHDL | Philips Xitanium DALI driver, Dim to 5% |
| TDM | Triac Dim. (120V only) | ED560 | eldoLED LightShape DALI dim to dark, 0.1% ~ 100% |
| TD30/70 | 30% / 70% / 100% Tri-Level Step dim | DMX | DMX512 control system (Only available with RGB+W option) |
| TDXX/YY | XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) | ED560 | eldoLED LightShape DALI dim to dark, 0.1% ~ 100% |
| ES566 | eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim | LTEA2W | Hi-lume 1% 2-wire LED driver (120V forward phase only) |
| | |  BLT | Bluetooth Mesh System (contact factory for more information) |

| 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> | |
| EMG25 | 4050 LUMEN EM Battery Backup (CEC Compliant EM) ^{3,4} | | EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ^{10,11} | |
| ELCU-200 | Fail-to-on Emergency lighting, UL924 ⁹ | | RS-IR | IR dongle v2.0 for EasySense control |
| GTD | Bodine Generator Transfer Device | | PPA102S | <Bluetooth> Bluetooth Powerpack (Consult factory for installation location) |
| GTD10DIM | Bodine Generator Transfer Device (0-10VDC Dimmer Override) | | CASAMBI | Contact factory for CASAMBI READY options |
| ARRA | Assembled in USA for Buy American Act | | | |
| BAA | BAA(Buy American Act) and BABA(Build America Buy America) compliant | | | |
| TAA | Trade Agreements Act compliant | | | |
| 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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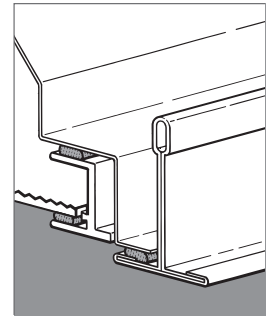


Specifications: 1'x4'
 Length: 47-3/4 (1213)
 Width: 11-15/16 (303)
 Depth: 4-1/2 (115)
 Weight: 16.16 lbs (7.33 kg)

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 - 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-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLC1-1DIMFLV2EX |
| 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-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 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, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW |
| | | <Leviton> | 6641, IlumaTech 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:

- 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.

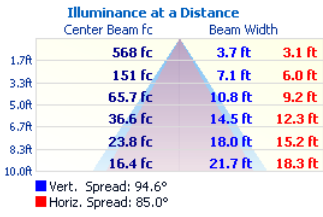
HC403 FACTORY SETTING (TABLE 2)

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

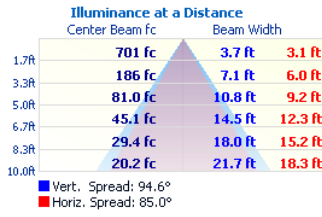
* See a separate attachment to find more setting options.

ELT-WT

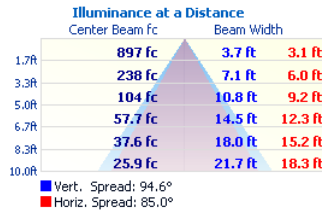
ELT-WT-14-2G-27LED



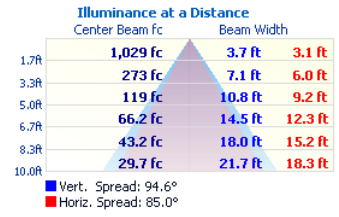
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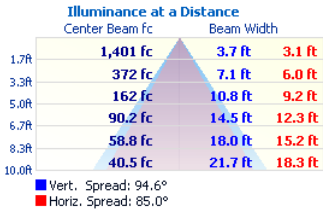
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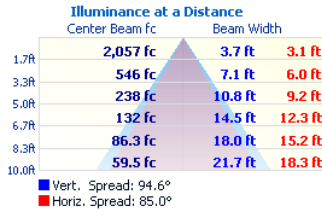
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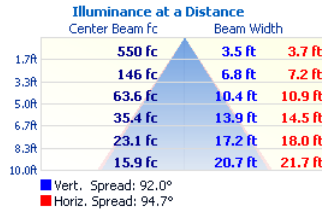
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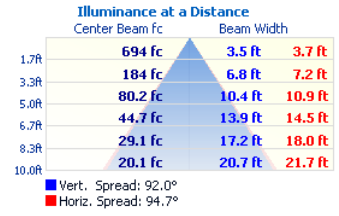
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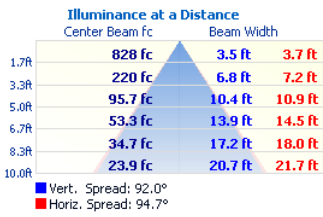
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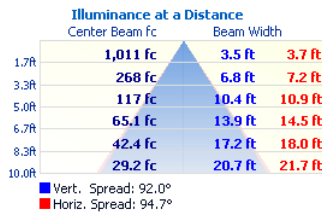
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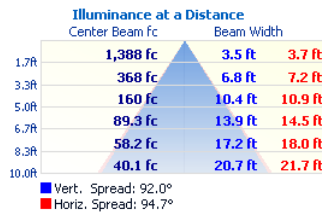
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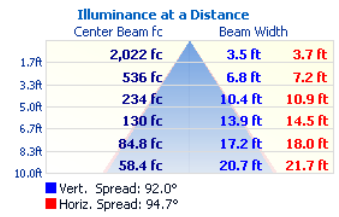
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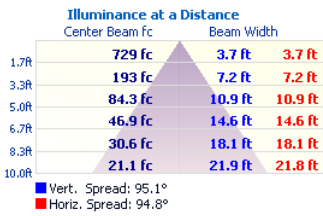
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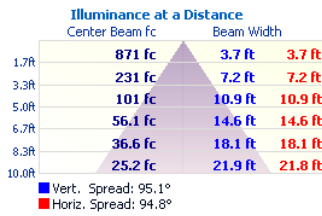
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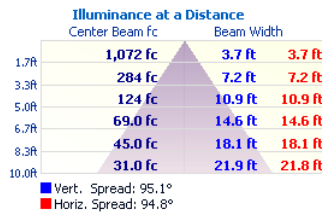
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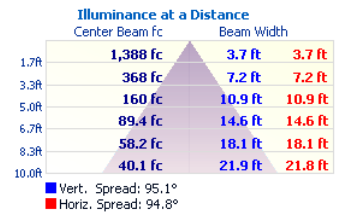
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ELT-WT-24-2G-54LED



ELT-WT-24-2G-72LED



ELT-WT-24-2G-108LED

