

LAD4A

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



APPLICATION

4" Horizontal architectural frame-in is design for high quality application with lens. Ideal for commercial, retail, conference rooms and hospital where architectural LED downlight fixture is required.

FEATURES:

- Heavy gauge die formed galvanized steel mounting frame trim clips to mount open conical shape reflector.
- Vertically adjustable mounting brackets that use conduit or C channel (please see drawing for recommended C channel size on the next page). Provides 3-3/4" total adjustment.
- C channel is optional, not included as std.
- Post installation adjustment possible from above or below the ceiling.
- Maximum 1-1/2" ceiling thickness.
- Reflectors are optically designed to maximize lumen output and to provide superior glare control.
- Non-insulated ceilings or where insulation can be kept 3" from all side of housing.

JUNCTION BOX:

- Galvanized steel junction box with seven 1/2" knockouts, four pryouts, and snap on cover.
- Electrical connections are made through a single junction box door.
- Access to junction box from below ceiling after removal of reflector for easy maintenance.

LED:

- CREE LED technology.
- 50,000 hours.
- 4000K color temperature standard.
- 16W, 25W, 38W, 50W LED.
- Color Rendering Index: > 90
- Projected L70 hours: 60,000

ELECTRICAL:

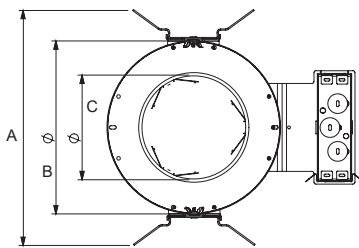
- Input voltage: 120-277V
- 3 in 1 dimming: Triac (120V only), 0-10V (dim to 1%, 120-277V), ELV (120V only).
- Operating Temperature: -4°F (-20°C) ~ 104°F (40°C)
- Thermal protection.
- Surge protection (3kV line to line, 6kV line to earth).
- Protections: Output open load, over-current and short-circuit(hiccup), and over-temperature with auto recovery.
- Conducted and radiated EMI: Compliant with FCC CFR Title 47 Part 15 Class B (120 Vac)/ Class A (277 Vac) and EN55015 (CISPR 15) at 220/230/240 Vac.

<ELCU-200>

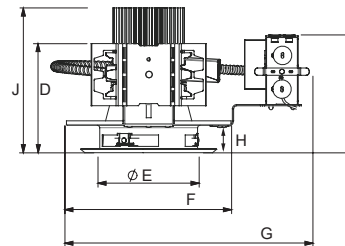
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

LISTING:

- UL/CUL listed for damp locations with covered ceiling.
- UL/CUL wet location listed with "W" lens only.
- Listed to UL 1598 and UL 8750.
- Minimum 75°C supply conductors.
- CSA certified to US.
- Energy Star certified. ⁵
- 5 years limited warranty.
- 10 years limited warranty (optional). ^{8,9}
- ARRA compliant (optional).
- BAA compliant (optional).

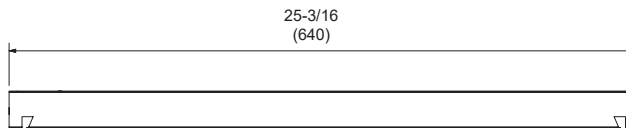


Dimensions
 A: 10-13/16" (275)
 B: 8" (203)
 C: 4-27/32" Dia. (123)



Dimensions
 D: 5-1/4" (133)
 E: 4-27/32" Dia. (123)
 F: 7-15/16" (202)
 G: 11-13/16" (300)
 H: 1-1/2" (38)
 I: 5-21/32" (144)
 J: 7" (178.3)

Recommended C Channel Bar
 part# CHB24 (optional)



All dimensions are in inches.
 Drawings are for dimensional detail information only.

LAD4A

ORDERING INFORMATION

EXAMPLE: LAD4A-25L-40K-UNV-EMI15-WW-W-O60

| MODEL | | LED | | | | COLOR TEMP. | | VOLTAGE | | LED DRIVER | |
|--------------|------------------------|------------|----------------------|-------------------------|-------------------------------|--------------|--|--------------------------|-------------------------------|--------------|--|
| LAD4A | 4" Architectural Frame | 11L | 11W LED ⁶ | Lumen Output 1000 lm | Lumen Efficiency 90.9 lm/W | -27K | 2700K | UNV 347 | 120-277V 347V ⁴ | DM | - Triac (120V Only) |
| | | 16L | 16W LED | 1458 lm | 90.6 lm/W | -30K | 3000K | | | | - 0-10V(dim to 1%, 120-277V) |
| | | 25L | 25W LED | 2302 lm | 92.1 lm/W | -35K | 3500K | | | | - ELV (120-277V) |
| | | 38L | 38W LED | 3035 lm | 82 lm/W | -40K | 4000K (Std.) | | | | 0-10V dim to 1% |
| | | 50L | 50W LED | 3904 lm | 80.8 lm/W | -50K | 5000K | | | | 5%, Lutron (Ecosystem) ² |
| | | | | | | -275K | Tunable white 2700-5000K (Max. 50W) ³ | | | LDE1 | 1%, Lutron (Soft Fade to Black, Ecosystem) ² |
| | | | | | | | | | | MU050 | 0-10V dim to 1% for -275K (Tunable White) |
| | | | | | | | | | | ED560 | eldoLED LightShape DALI dim to dark, 0.1% ~ 100% |
| | | | | | | | | | | RDMX | eldoLED POWERdrive DMX/RDM Full-color, 0.1% ~ 100% |
| | | | | | | | | | | SDXX | XX% / 100% Bi-Level Step dim (Specify XX : 10%-70%) ¹³ |

| EM ^{10, 11} | | REFLECTOR | | TRIM RING | | LENS | | OPTIC | |
|----------------------|------------------------------|------------|---|----------------|-----------------|----------------|---|------------|-------------|
| EMI15 | 2430 LUMEN EM Battery Backup | WW | White Reflector w/ White Plastic Ring | (Blank) | White Trim Ring | (Blank) | Dry / Damp location | O20 | Narrow |
| EMI25 | 4050 LUMEN EM Battery Backup | CW | Clear Reflector w/ White Plastic Ring | BK | Black Trim Ring | W | White Smooth Splay w/ Frosted Lens (Wet Location) ¹² | O40 | Medium |
| | | PLW | Platinum Haze Reflector w/ White Plastic Ring | | | | | O60 | Wide (Std.) |
| | | | | | | | | WA | Wall Wash |

| OPTIONS | | LIGHTING CONTROL SYSTEM | |
|-----------------|---|-------------------------|---|
| ARRA | Assembled in USA for Buy American Act | VRF | <Lutron Vive System Enabled> Vive Integral fixture control (RF only, for Lutron EcoSystem drivers) |
| BAA | BAA(Buy American Act) and BABA(Build America Buy America) compliant | FCJS0 | FCJS-010, Vive Attached fixture control (RF only for 0-10V drivers) |
| ELCU-200 | Fail-to-on Emergency lighting, UL924 ¹ | FCJSE | FCJS-ECO, Vive Attached fixture control (RF only for Lutron EcoSystem drivers) |
| GTD | Bodine Generator Transfer Device | FCJS0EM | FCJS-010-EM, UL 924 Emergency (Must be ordered with FCJS-010) |
| GTD10DIM | Bodine Generator Transfer Device (0-10VDC Dimmer Override) | FCJSEEM | FCJS-ECO-EM, UL 924 Emergency (Must be ordered with FCJS-ECO) |
| CHB24 | C-Channel Bar | | |
| FRAME | Rough-in frame pre-ship request ⁷ | | |
| O10W | Optional 10 Years Limited Warranty ^{8,9} | PPA102S | <Bluetooth> Bluetooth Powerpack (Consult factory for installation location) |
| SF | Self-flanged trim | | |

NOTES:

- Shipped separately.
- Available with 16L, 25L and 38L only.
- Must be ordered with ED560 or MU050 driver.
- Only available up to 38W.
- 38L model is exempt.
- 0-10V dimming as standard.
- LED driver and EM (if selected) will be included.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Available with 0-10V dimming only. (Up to 50W)
- Contact factory for other emergency battery backup options.
- Must specify voltage, not available with 347V, 480V.
- There is a 33% lumen decrease.
- Provided with a remote driver box.

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COMPATIBLE DIMMER SWITCH (TABLE 1)

| Model # | Brand | Compatible Dimmer Switch | |
|-------------------------------|-----------------------------|--------------------------|---|
| DM (0-10V, dim to 1%) | - | <Leviton> | IllumaTech series (IP710-DL) |
| | | <Lutron> | Nova series (NFTV-xx), Diva series (DVTV-xx) |
| DM (120Vac for Triac, ELV) | - | <Lutron> | S-603PG, DVCL-153P, DV-600P, TGCL-153P, S600P, DVELV-303P, SELV-300P, TG-600P, LG-600P, CT-103P, MAELV-600, FAELV-500 |
| | | <Leviton> | IPI06-1LZ, 6631-2, VPE06, 6683-IW, 6161, 6633-P, IPE04 |
| | | <Cooper> | DLC03P, SLC03P, DAL06P |
| | | <Lightolier> | ZP260QEW |
| ED560 | eldoLED DUALdrive | <Lunatone> | SS-LUNAT PS2 30mA SS-LUNAT Touch or BT SS-LUNAT Comm |
| LDE1 | Lutron Hi-lume 1% EcoSystem | <Lutron> | PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO Energi Savr Node (120V only): QSN-1ECO-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 |
| LDE5 | Lutron 5-Series EcoSystem | | |

BEAM ANGLE (OPTIC) TABLE

| Wattage | LAD4-CW | | | LAD6-CW | | | LAD8-CW | | |
|---------|----------|-------|-------|----------|-------|-------|----------|-------|-------|
| | O20 | O40 | O60 | O20 | O40 | O60 | O20 | O40 | O60 |
| 11W | 23.1° | 42.8° | 57.8° | 21.6° | 36.8° | 56.6° | | | |
| 16W | 23.1° | 42.8° | 57.8° | 21.6° | 36.8° | 56.6° | 23.1° | 39° | 58.2° |
| 25W | 25° | 44.3° | 58.9° | 23.8° | 39.1° | 58.1° | 24.7° | 40.5° | 59.1° |
| 38W | 34.8° | 53.6° | 60.2° | 31.9° | 48.8° | 59.9° | 33.1° | 53.9° | 61.4° |
| 50W | 34.3° | 51.2° | 59.7° | 31.8° | 47.4° | 58.7° | 33.4° | 50.1° | 61.7° |
| Wattage | LAD4-WW | | | LAD6-WW | | | LAD8-WW | | |
| | O20 | O40 | O60 | O20 | O40 | O60 | O20 | O40 | O60 |
| 11W | 22.9° | 40.8° | 52.7° | 22.7° | 40.7° | 55.2° | | | |
| 16W | 22.9° | 40.8° | 52.7° | 22.7° | 40.7° | 55.2° | 22.5° | 39.2° | 57.8° |
| 25W | 24.3° | 41.6° | 53.5° | 24.6° | 41.5° | 56.3° | 24.5° | 40.3° | 58.7° |
| 38W | 34.3° | 48.5° | 55.6° | 34.1° | 50.8° | 58° | 33.5° | 49.2° | 62.5° |
| 50W | 33.7° | 46.9° | 55.3° | 33.6° | 48.6° | 58° | 33.7° | 47.3° | 63.3° |
| Wattage | LAD4-PLW | | | LAD6-PLW | | | LAD8-PLW | | |
| | O20 | O40 | O60 | O20 | O40 | O60 | O20 | O40 | O60 |
| 11W | 22.7° | 42.1° | 54.9° | 22.2° | 40.4° | 54.6° | | | |
| 16W | 22.7° | 42.1° | 54.9° | 22.2° | 40.4° | 54.6° | 23° | 39.3° | 57.7° |
| 25W | 24.7° | 43.8° | 55.5° | 24.6° | 42° | 55.3° | 24.5° | 40.6° | 58.5° |
| 38W | 35.6° | 51.9° | 58° | 34° | 49° | 58° | 33.3° | 50.1° | 60.7° |
| 50W | 34.9° | 49.3° | 57.5° | 33.3° | 48.5° | 57.4° | 33.6° | 47.4° | 61.3° |

