

# LAD6A

Project Name:	
Type:	



**APPLICATION**

6" 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, 70W, 100W LED.
- Color Rendering Index: > 90
- Projected L70 hours: 60,000

**ELECTRICAL:**

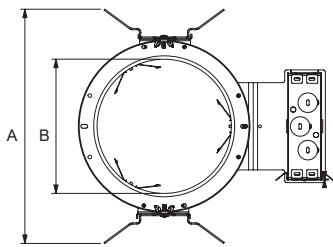
- Input voltage: 120-277V
- 3 in 1 dimming: Triac (120V only), 0-10V (dim to 1%, 120-277V), ELV (120V only).
- Operating Temperature: -4°F (-20°C) ~ 104°F (40°C)
- Thermal protection.
- Surge protection (3kV line to line, 6kV line to earth).
- Protections: Output open load, over-current and short-circuit(hiccup), 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.

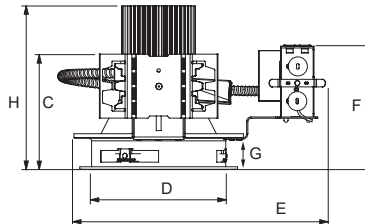
**LISTING:**

- 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. <sup>5</sup>
- 5 years limited warranty.
- 10 years limited warranty (optional). <sup>8,9</sup>
- ARRA compliant (optional).
- BAA compliant (optional).



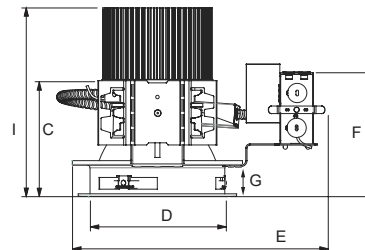
**Dimensions**

- A: 10-7/8" (276)
- B: 6-1/4" Dia. (158)



**Dimensions (16W, 25W, 38W, 50W)**

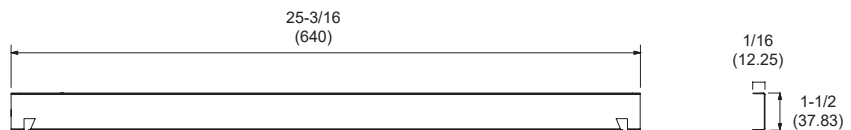
- C: 5-3/8" (136)
- D: 6-5/16" Dia. (160)
- E: 11-7/8" (302)
- F: 5-3/4" (146)
- G: 1-1/2" (38)
- H: 7-11/16" (195.6)



**Dimensions (70W, 100W)**

- C: 5-3/8" (136)
- D: 6-5/16" Dia. (160)
- E: 11-7/8" (302)
- F: 5-3/4" (146)
- G: 1-1/2" (38)
- I: 8-7/8" (224.6)

**Recommended C Channel Bar**  
part# CHB24 (optional)



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

# LAD6A

ORDERING INFORMATION

EXAMPLE: LAD6A-25L-40K-UNV-EMI15-WW-W-O60

MODEL		LED				COLOR TEMP.		VOLTAGE		LED DRIVER	
<b>LAD6A</b>	6" Architectural Frame	<b>11L</b>	11W LED <sup>6</sup>	<u>Lumen Output</u> 1000 lm	<u>Lumen Efficiency</u> 90.9 lm/W	<b>-27K</b>	2700K	<b>UNV</b> <b>347</b>	120-277V 347V <sup>4</sup>	<b>DM</b>	- Triac (120V Only)
		<b>16L</b>	16W LED	1458 lm	90.6 lm/W	<b>-30K</b>	3000K				- 0-10V(dim to 1%, 120-277V)
		<b>25L</b>	25W LED	2302 lm	92.1 lm/W	<b>-35K</b>	3500K				- ELV (120-277V)
		<b>38L</b>	38W LED	3035 lm	82 lm/W	<b>-40K</b>	4000K (Std.)				0-10V dim to 1%
		<b>50L</b>	50W LED	3904 lm	80.8 lm/W	<b>-50K</b>	5000K				5%, Lutron (Ecosystem) <sup>2</sup>
		<b>70L</b>	70W LED	5920 lm	84.2 lm/W	<b>-275K</b>	Tunable white				1%, Lutron (Soft Fade to Black, Ecosystem) <sup>2</sup>
		<b>100L</b>	100W LED	7070 lm	70 lm/W		2700-5000K (Max. 50W) <sup>3</sup>				0-10V dim to 1% for -275K (Tunable White)
						<b>010V</b>	0-10V dim to 1%				
										<b>LDE5</b>	5%, Lutron (Ecosystem) <sup>2</sup>
										<b>LDE1</b>	1%, Lutron (Soft Fade to Black, Ecosystem) <sup>2</sup>
										<b>MU050</b>	0-10V dim to 1% for -275K (Tunable White)
										<b>ED560</b>	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
										<b>RDMX</b>	eldoLED POWERdrive DMX/RDM Full-color, 0.1% ~ 100%
										<b>SDXX</b>	XX% / 100% Bi-Level Step dim (Specify XX : 10%~70%) <sup>13</sup>
										<b>PHDL</b>	Philips Xitanium Sensor-Ready, Dai 5%~100% dim

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

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

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.

# LAD6A

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
DM (0-10V, dim to 1%)	-	<Leviton>	IlumaTech 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°

