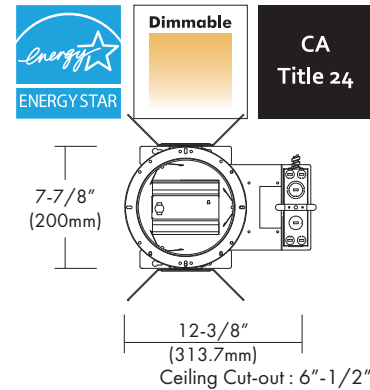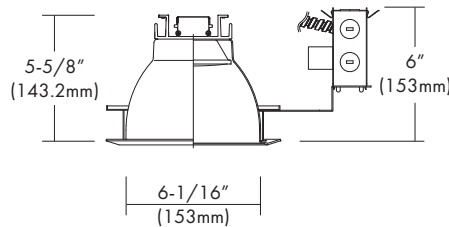# LEDH-AFK6
For High Wattage
(50W,60W,70W,90W)

120V or 277V LED 6", Non-IC Architectural Frame-in Kit
Down Light with interchangeable Reflector Trims

Catalog #		Type
Project		Date
Prepared by		

6" LED Architectural Frame-in Kit

ENERGY STAR

Dimmable

CA Title 24

5-5/8" (143.2mm)

6" (153mm)

6-1/16" (153mm)

7-7/8" (200mm)

12-3/8" (313.7mm)
Ceiling Cut-out : 6"-1/2"

DESCRIPTION

The LEDH-AFK6 is a 6" LED Architectural frame-in Kit and is available with multiple Trim styles. Designed for use in non-insulated ceilings, Insulation material must be kept a minimum of 3" from fixture. Available with a 50W, 60W, 70W or 90W high efficacy LED engine and Tri-Mode Dimmable drivers. The special optical diffuser produces high lumen transmission and even illumination. Suitable for Wet Locations.

DESIGN FEATURES

Mounting Ring
• 20-gauge CRS mounting ring, painted black. The 1-5/8" deep collar may be used with various ceiling material thicknesses.

LED Module & Trim
• Painted, extruded aluminum heat sink designed to facilitate efficient heat dissipation for superior thermal management and reliability.
• LED engine includes LED, heat sink and lens assembly.
• Heavy gauge aluminum reflector anodized in clear haze or white paint finishes. Multiple trim styles and finishes are available.

LED Driver
• Tri-Mode Dimming: 0-10V, Triac & ELV
• Drivers feature power factor >.90, THD <20% with integral thermal protection to sense over temperature or electrical issues.
• Driver mounts externally to the module to allow future replacement or upgrading if desired.

Mounting Channel Bracket
• Commercial mounting kit provides up to 5" vertical adjustment and accommodates 1/2" EMT conduit. Provided with HBC-24 bar hanger or lathing channels for T-bar grid or concealed spline ceiling are also available.

Junction Box
• Listed for through branch circuit wiring. (Max.8 No 12 AWG 90℃ branch circuit conductors: 4 in, 4 out)
• (5) 1/2" knockouts with pry-out slots and (4) knockouts with Romex cable clamps.
• Ground wire provided on J-box.

Options
• Emergency battery back-up : Available in mounted to fixture or remote adjacent to luminaire (consult with factory for space requirements).

Limited Warranty
• LED Module: 5 years/50K hours
• Product/Driver: 3 years

Listing
• cETLus Wet Location
• ENERGY STAR
• California Title 24

SPECIFICATION				
Input Voltage	120 or 277V			
Wattage (+/-5%)	50W	60W	70W	90W
Lumen (+/-5%)	5,000	6,000	7,000	8,000
Efficacy (LPW)	100	100	100	88.9
Beam Angle	24˚	24˚	24˚	24˚
CRI (Typical)	80, 90			
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K			
Dimming	0-10V, ELV & Triac			
LED Module	5 yr/50K hr			
Environment	Indoor Damp Location			

⊙ Triac Approved Dimmers

* Lutron: NovaT (Ntelv 300&600)
        Diva (Dvelv-300P&303P)
* Leviton: Acenti: Ate06-1Lw
* Leviton Trimatron #705W (incandescent)

⊙ 0-10V Approved Dimmers

* Lutron: Nova⒭ 0-10V : NTFTV
        Diva⒭ 0-10V : DVTV
* Leviton: Decora 0-10V : IP710DL

Consult tech. service or factory for additional dimmers

* Provided: Easy-quick connector case (patent pending)

LUM·TECH LIGHTING

HOUSING COMPATIBILITY for the LEDH-AFK6 RETROKIT ONLY

LEDH-AFK6 ETL Listed for installation in the following Lumtech standard architectural housings;

- 6" : FH-VC6, FH-VA6, FH-VAR6, FH-HC6, FH-HA6, FH-HAR6, IH-VF6150, IH-VA6150, IH-VAR6150, IH-HA6150, IH-HAR6150, MH-VF6, MH-VA6, MH-VAR6, MH-HF6, MH-HA6, MH-HAR6

LEDH-AFK6 ETL Listed for retrokit in the following 6" architectural housing;

- **H a l o** : PD6V142E, PD6V120, PD6V501E, PD6V701E, PD6V1001E
- **J u n o** : CV6-118T, CV6-126Q, CV6-126/32T, TC906, MX6-(50,70,100), M6-(70,100)
- **Lithonia** : LP6F, CCR62, LP6H, LP6, LV

TRIM

LEDT-RL64
Specular Open Reflector

* Wide beam reflector is standard. Also available narrow beam in reflector(consult with factory).

*All trims are rated for damp location.

Ordering Information

Model	-Watts	-CRI	Color Temp.**	Driver*	Trim	-Reflector Finish**	-Beam Angle	Optional Metal Trim Ring Finish
LEDH-AFK6 = 6", Non-IC, Architectural Frame-in Down Light Kit	**-50** = 50W **-60** = 60W **-70** = 70W **-90** = 90W	**-8** = 80 **-9** = 90	**27** = 2700K **30** = 3000K **35** = 3500K **40** = 4000K	**ZTD1** = 120V **ZTD2** = 277V (Dedicated Input Voltage for Thermal Protector on Junction Box.) (Tri-Mode Dimming: 0-10V, Triac & ELV) *- *Option* **-EM** = Emergency battery backup	**LEDT-RL64**	**-HC** = Haze Clear **-WH** = White Painted	**-NS** = Narrow Spot 15° **-N** = Narrow 25° **-M** = Medium 40° **-W** = Wide 60°	**-WH** = White Plastic Trim Ring (Standard) **-WMR** = White Metal Ring **-SN** = Satin Nickel **-CH** = Chrome **-SF** = Polished Self-Flange
Example : **LEDH-AFK6-50-830ZTD1**					**LEDT-RL64-HC-N-WH**			** Consult factory for other Color Temperatures and Finishes

LUM·TECH LIGHTING