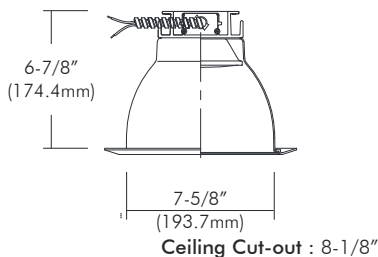
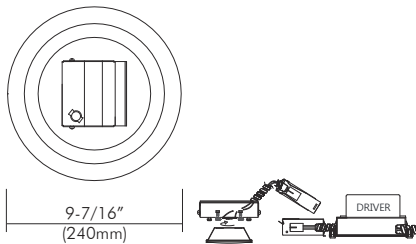




Ceiling Cut-out : 8-1/8"



DESCRIPTION

The ZL-LED-ARFK8 is an Architectural grade, Non-IC, LED Recessed Downlight Retrokit and is available with multiple trim modules. It is designed for use with existing 8" architectural incandescent, fluorescent and metal halide housings. It is also compatible with most 8" architectural housings measuring at least 6-7/8" high with an inside diameter between 8" and 8-3/4" (See Housing Compatibility section). Available with a 14W, 23W, 30W or 45W high efficacy LED engine and universal, dimmable drivers. The optical diffuser produces high lumen transmission and even illumination. Suitable for wet locations.

DESIGN FEATURES

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.

RETROFIT MOUNTING

- Designed for use with most existing 8-1/8" aperture architectural incandescent, fluorescent and metal halide housings. Supplied with flexible metal conduit for connection to existing electrical junction box. Existing frame-in kits mounting via frictions or clips.

ELECTRICAL CONNECTION

- Attach supply line to existing junction box through one of the knockouts provided in junction box. The existing socket whip and ballast can be set aside above the ceiling or removed completely.

LED POWER SUPPLY DRIVER

- Universal 120~277V input high efficacy drivers with the capability to dim by a Triac 120V low voltage electronic dimmer switches by 0-10V dimmer switches.
- Driver feature power factor >.90, THD <20% and has integral thermal protection to sense over temperature or internal failure.
- Driver mounts externally to the module, allowing future replacement, if needed.
- Install thermal detectors for 120V or 277V upon customer orders.

SPECIFICATIONS

Input Voltage	120-277V AC			
Wattage (+/-5%)	14W	23W	30W	45W
Lumens (+/-5%)	960	1760	2280	3340
Efficacy (LPW)	68.6	76.5	76	74.2
Beam Angle	63°	64.2°	63.3°	62.9°
Color (+/-5%)	2700K, 3000K, 3500K, 4000K			
CRI (Typical)	80, 90			
Dimming	Triac (Standard), 0-10V			
Rated	up to 50,000 hr			
Environment	Wet Location			

Easy Quick Connector Case



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**

OPTIONS

- Emergency battery back-up : Available in mounted to fixture or remote adjacent to luminaire (consult with factory for exact application).

WARRANTY

- 50,000 hr lamp life

Listing ETL & cETL Listed.

-State of California Title 24

-Energy star Approved & Listed

HOUSING COMPATABILITY FOR ZL-LED-ARFK8 RETROFIT

ZL-LED-ARFK8 ETL Listed for installation in the following architectural housings;

- 8" : FH-VC8, FH-VA8, FH-VAR8, FH-HA8, FH-HAR8, FH-HC8, IH-VF8300, IH-VA8300, IH-VAR8300, IH-HF8300, IH-HA8300, IH-HAR8300, MH-VF8, MH-VA8, MH-VAR8, MH-(HF8, HA8, HAR8)

ZL-LED-ARFK8 ETL Classified for retrofit in the following 8" architectural housing;

- H a l o : PD7V142E, PD7V120, PD7V501E, PD7V701E, PD7V1001E, PD7V70XIE, PD7V100X1E
- J u n o : CV8-126/32/42T, TC908, MX8-(70,100), M8-(70,100)
- Lithonia : LP8F, CCR82, LP8H, LP8



LEDT-R84
Specular Open Reflector

LEDT-R814
Baffle w / Reflector

LEDT-R841
Baffle w / Regressed Lens

LEDT-R822
Reflector w / Regressed Lens

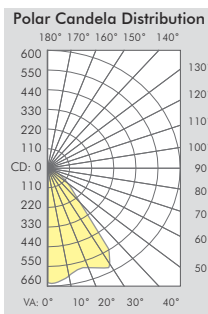
LEDT-R836
Wall Wash w / Reflector Plate

LEDT-R840
Reflector w / Frosted Floating Lens

*All trims are rated for damp location and regressed lens trims are wet location listed.

PHOTOMETRIC REPORT

* Contact Factory for IES File

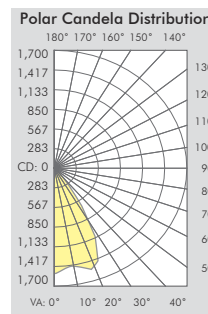


Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	163.9 fc
4.0ft	41.0 fc
6.0ft	18.2 fc
8.0ft	10.2 fc
10.0ft	6.6 fc
12.0ft	4.6 fc

Beam Spread: 63.3°

[LED-ARFK8-14-830+LEDT-R84]

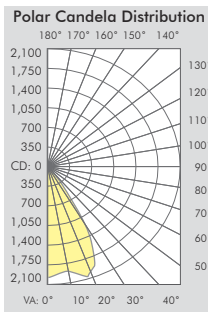


Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	378.7 fc
4.0ft	94.7 fc
6.0ft	42.1 fc
8.0ft	23.7 fc
10.0ft	15.1 fc
12.0ft	10.5 fc

Beam Spread: 64.2°

[LED-ARFK8-23-830+LEDT-R84]

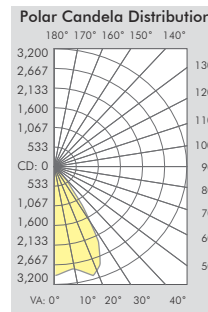


Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	497.7 fc
4.0ft	124.4 fc
6.0ft	55.3 fc
8.0ft	31.1 fc
10.0ft	19.9 fc
12.0ft	13.8 fc

Beam Spread: 63.3°

[LED-ARFK8-30-830+LEDT-R84]



Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	732.2 fc
4.0ft	183.1 fc
6.0ft	81.4 fc
8.0ft	45.8 fc
10.0ft	29.3 fc
12.0ft	20.3 fc

Beam Spread: 62.9°

[LED-ARFK8-45-830+LEDT-R84]

Housing	Watts	Color temp	Driver	Trim	Reflector	Baffle Finish	Optional Metal Trim Ring
ZL-LED-ARFK8	-14 : 14W -23 : 23W -30 : 30W -45 : 45W	-27 : 2700K -30 : 3000K -35 : 3500K -40 : 4000K	-UT D : 120~277V, Triac Dimming (Standard) (14W,23W&30W only) -UZTD : 120~277V, 0~10V Dimming *Option -EM : Emergency battery backup	-LEDT-R84 -LEDT-R814 -LEDT-R841 -LEDT-R822 -LEDT-R836 -LEDT-R840	-HC : haze clear -WH : white painted *Consult with factory for custom finishes	-WH : White - B K : Black	-WH = White Plastic Trim Ring (Standard) -WMR = White Metal Ring -SN = Satin Nickel -CH = Chrome -SF = Polished Self-Flange