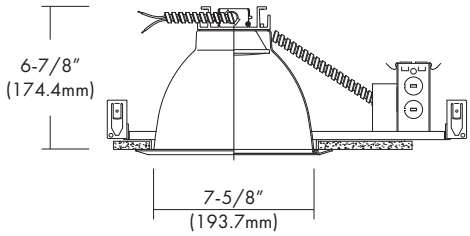
Catalog #		Type
Project		Date
Prepared by		

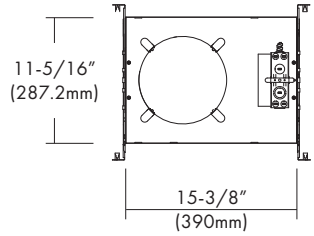
LEDH-CFK8

120V-277VAC LED 8", Non-IC, Commercial Flat Frame-in Kit
Down Light with interchangeable Reflector Trims

8" LED Commercial Flat Frame-in Kit

ENERGY STAR | Dimmable | CA Title 24





Ceiling Cut-out : 8"-1/8"

DESCRIPTION

The LEDH-CFK8 is an 8" LED, Non-IC Commercial Flat 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 14W, 23W, 30W or 45W high efficacy LED engine and universal, dimmable drivers. The special optical diffuser produces high lumen transmission and even illumination. Suitable for Wet Locations.

DESIGN FEATURES

Mounting Frame
- Galvanized steel construction.
- Housing adjusts for ceilings up to 1-1/4" thick.

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
- Universal, 120~277V input, high efficacy drivers with dimming capability by ① a Triac 120V low voltage electronic dimmer switches or ② 0-10V, Triac & ELV dimmer switches.
- 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.
- Optional Lutron Hi-lume A-Series, LED drivers and EcoSystem 5-Series LED drivers are available. Lutron drivers provide flicker-free, smooth, continuous dimming down to 1% for Hi-lume and 5% for EcoSystem. (Contact factory for dimming system requirements)

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.

Bar Hangers
- 24" Bar Hangers provide stability and support on joists and T-Bar Grid ceilings.
- Housing can be positioned at any point within 24" joist spacing.
- Score lines allow easy "bend & snap-off" shortening for 12" joist spacing.

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	120-277VAC			
Wattage (+/-5%)	14W	23W	30W	45W
Lumen (+/-5%)	960	1,760	2,280	3,340
Efficacy (LPW)	68.6	76.5	76	74.2
Beam Angle	63°	64.2°	63.3°	62.9°
CRI (Typical)	80, 90			
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K			
Dimming	0-10V, ELV & TRIAC Optional Lutron Drivers			
LED Module	5 yr/50K hr			
Environment	Wet Location			

○ Triac Approved Dimmers

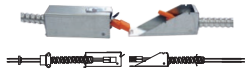
* Lutron: NovaT (Ntelv 300&600)
  Diva (Dvelv-300P&303P)
* Leviton: Acenti: Ate06-1Lw
* Leviton Trimatron #705W (incandescent)

○ 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)



TEL: 856-234-2211 FAX: 856-234-0881 www.lum-techlighting.com

LUM-TECH LIGHTING

HOUSING COMPATIBILITY for the LEDH-CFK8 RETROKIT ONLY

LEDH-CFK8 ETL Listed for installation in the following Lumtech standard 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)

LEDH-CFK8 ETL Listed for retrokit in the following 8" architectural housing;

- **Halo** : PD7V142E, PD7V120, PD7V501E, PD7V701E, PD7V1001E, PD7V70XIE, PD7V100X1E
- **Juno** : CV8-126/32/42T, TC908, MX8-(70,100), M8-(70,100)
- **Lithonia** : LP8F, CCR82, LP8H, LP8

TRIM

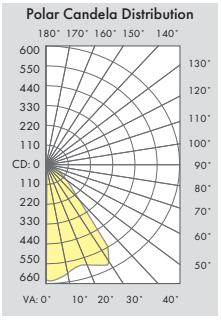
* Wide beam reflector is standard. Also available narrow beam in reflector(consult with factory).

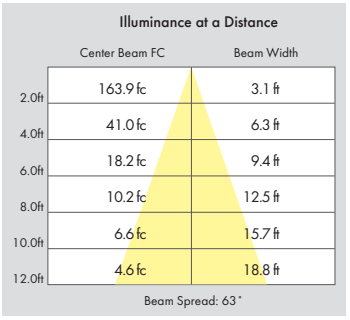
LEDT-R84	LEDT-R814	LEDT-R841	LEDT-R822	LEDT-R836	LEDT-R840
Specular Open Reflector	Baffle w / Reflector	Baffle w / Regressed Lens	Reflector w / Regressed Lens	Wall Wash w / Reflector Plate	Reflector w / Frosted Floating Lens

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

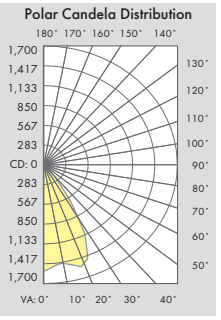
PHOTOMETRIC REPORT

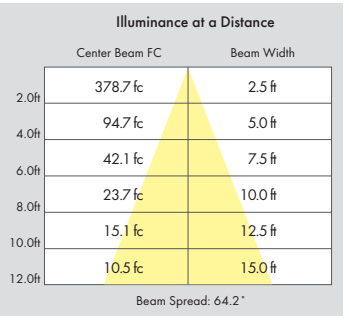
* Contact Factory for IES File



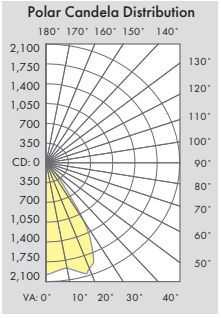


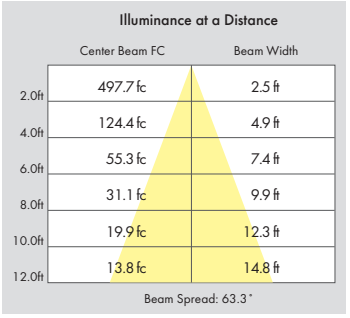
[LEDH-CFK8-14-830+LEDT-R84]



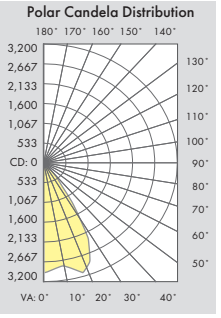


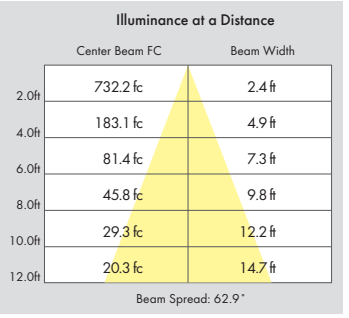
[LEDH-CFK8-23-830+LEDT-R84]





[LEDH-CFK8-30-830+LEDT-R84]





[LEDH-CFK8-45-830+LEDT-R84]

Ordering Information

Model	-Watts	-CRI	Color Temp.**	Driver*
LEDH-CFK8 = 8", Non-IC, Commercial Flat Frame-in Down Light Kit	**-14** = 14W **-23** = 23W **-30** = 30W **-45** = 45W	**-8** = 80 **-9** = 90	**27** = 2700K **30** = 3000K **35** = 3500K **40** = 4000K	**UTD** = 120~277VAC, Triac: 10-100% Dimming (14, 23 & 30W only) **UZTD** = 120~277V, 0-10V, Triac & ELV: 1-100% Dimming **L1D** = Lutron Hi-lume 1% Dimming **L5D** = Lutron EcoSystem 5% Dimming **- Option* **-EM** = Emergency battery backup

Trim	-Reflector Finish**	Baffle Finish for LEDT-R814 & R841	Optional Metal Trim Ring Finish
LEDT-R84 **LEDT-R814** **LEDT-R841** **LEDT-R822** **LEDT-R836** **LEDT-R840**	**-HC** = Haze Clear **-WH** = White Painted	**-WH** = White **-BK** = Black	**-WH** = White Plastic Trim Ring (Standard) **-WMR** = White Metal Ring **-SN** = Satin Nickel **-CH** = Chrome **-SF** = Polished Self-Flange (for Open or Wall Wash Reflectors ONLY)

Example : **LEDH-CFK8-14-830UTD** **LEDT-R84-HC-WH**

** Consult factory for other Color Temperatures and Finishes