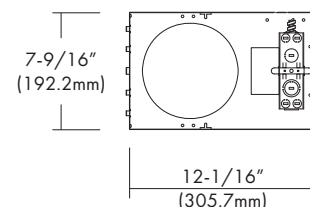
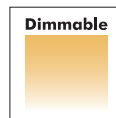
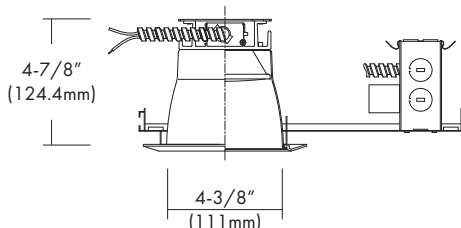


LEDH-CFK4

120V-277VAC LED 4", Non-IC, Commercial Flat Frame-in Kit
Down Light with interchangeable Reflector Trims

Catalog #		Type
Project		Date
Prepared by		

4" LED Commercial Flat Frame-in Kit



Ceiling Cut-out : 5"

DESCRIPTION

The LEDH-CFK4 is a 4" 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 or 23W, 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°C 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
Lumen (+/-5%)	950lm	1,740lm
Efficacy (LPW)	67.9lm/W	75.6lm/W
Beam Angle	67.7°	69.3°
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 (Ntely 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)

4" LED Commercial Flat Frame-in Kit

HOUSING COMPATIBILITY for the LEDH-CFK4 RETROFIT ONLY

LEDH-CFK4 ETL Listed for installation in the following Lumtech standard architectural housings;

- 4" : FH-VC4, FH-VA4, FH-VAR4, FH-HA4, FH-HC4, IH-VF4100, IH-VA4100, IH-VAR4100, MH-VF4, MH-VA4, MH-VAR4

TRIM

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



LEDT-R44
Specular Open Reflector

LEDT-R414
Baffle w / Reflector

LEDT-R441
Baffle w /
Regressed Lens

LEDT-R422
Reflector w /
Regressed Lens

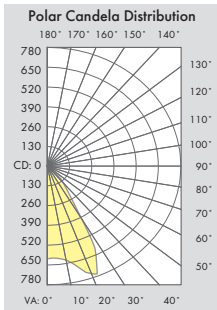
LEDT-R436
Wall Wash w /
Reflector Plate

LEDT-R440
Reflector w /
Frosted Floating Lens

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

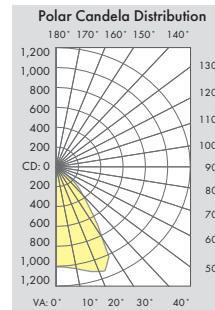
PHOTOMETRIC REPORT

* Contact Factory for IES File



Illuminance at a Distance	
Center Beam FC	Beam Width
2.0ft	149.8 fc
4.0ft	37.4 fc
6.0ft	16.6 fc
8.0ft	9.4 fc
10.0ft	6.0 fc
12.0ft	4.2 fc
Beam Spread: 67.7°	

[LEDH-CFK4-14-830+LEDT-R44]



Illuminance at a Distance	
Center Beam FC	Beam Width
2.0ft	250.4 fc
4.0ft	62.6 fc
6.0ft	27.8 fc
8.0ft	15.6 fc
10.0ft	10.0 fc
12.0ft	7.0 fc
Beam Spread: 69.3°	

[LEDH-CFK4-23-830+LEDT-R44]

Ordering Information

Model	-Watts	-CRI	Color Temp.**	Driver*	Trim	-Reflector Finish**	Baffle Finish for LEDT-R414 & R441	Optional Metal Trim Ring Finish
LEDH-CFK4 = 4", Non-IC, Commercial Flat Frame-in Down Light Kit	-14 = 14W -23 = 23W	-8 = 80 -9 = 90	27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K	UTD = 120-277VAC, Triac: 10-100% Dimming UZTD = 120-277V, 0-10V, Triac & ELV: 1-100% Dimming L1D= Lutron Hi-lume 1% Dimming LSD= Lutron EcoSystem 5% Dimming *- Option -EM = Emergency battery backup	LEDT-R44 LEDT-R414 LEDT-R441 LEDT-R422 LEDT-R436 LEDT-R440	-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-CFK4-14-830UTD

LEDT-R44-HC-WH

** Consult factory for other Color Temperatures and Finishes