

# LEDH-RFK8

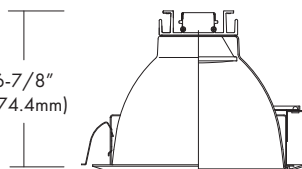
120V-277VAC LED 8", Non-IC, Remodel Frame-in Kit  
Down Light with interchangeable Reflector Trims

Catalog #		Type
Project		Date
Prepared by		

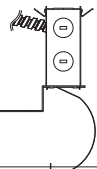
## 8" LED Remodel Frame-in Kit



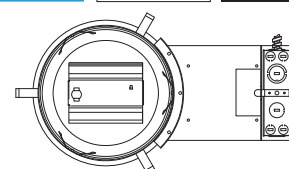
6-7/8"  
(174.4mm)



7-5/8"  
(193.7mm)



7-1/8"  
(181mm)



15-3/16"  
(386mm)

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

## DESCRIPTION

The LEDH-RFK8 is an 8" LED, Non-IC Remodel 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

### 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)

### Remodel Clips

- 3 remodel clips secure housing into the ceiling and accommodates 1/2" and 5/8" ceiling materials.

### 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.

### 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 (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)



## 8" LED Remodel Frame-in Kit

### HOUSING COMPATIBILITY for the LEDH-RFK8 RETROKIT ONLY

**LEDH-RFK8 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-RFK8 ETL Listed for retrofit 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**  
Specular Open Reflector

**LEDT-R814**  
Baffle w / Reflector

**LEDT-R841**  
Baffle w /  
Regressed Lens

**LEDT-R822**  
Reflector w /  
Regressed Lens

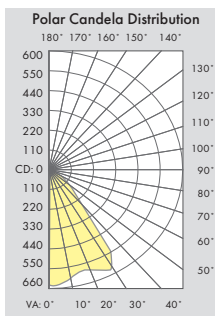
**LEDT-R836**  
Wall Wash w /  
Reflector Plate

**LEDT-R840**  
Reflector w /  
Frosted Floating Lens

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

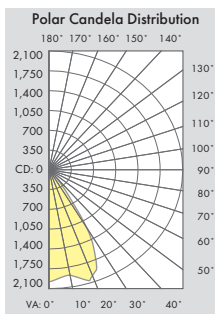
### PHOTOMETRIC REPORT

\* Contact Factory for IES File



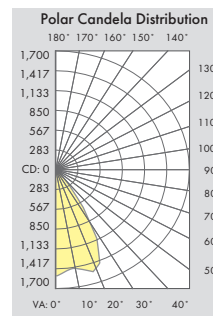
Illuminance at a Distance	
Center Beam FC	Beam Width
2.0ft	163.9 fc
4.0ft	41.0 fc
6.0ft	18.2 fc
8.0ft	10.2 fc
10.0ft	6.6 fc
12.0ft	4.6 fc
Beam Spread: 63.3°	

[LEDH-RFK8-14-830+LEDT-R84]



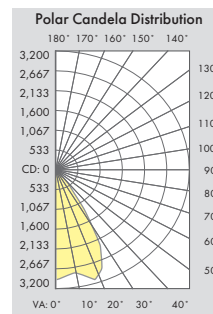
Illuminance at a Distance	
Center Beam FC	Beam Width
2.0ft	497.7 fc
4.0ft	124.4 fc
6.0ft	55.3 fc
8.0ft	31.1 fc
10.0ft	19.9 fc
12.0ft	13.8 fc
Beam Spread: 63.3°	

[LEDH-RFK8-30-830+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°	

[LEDH-RFK8-23-830+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°	

[LEDH-RFK8-45-830+LEDT-R84]

### Ordering Information

Model	-Watts	-CRI	Color Temp.**	Driver*	Trim	-Reflector Finish**	Baffle Finish for LEDT-R814 & R841	Optional Metal Trim Ring Finish
LEDH-RFK8 = 8", Non-IC, Remodel 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 LTD = Lutron Hi-Lume 1% Dimming LSD = Lutron EcoSystem 5% Dimming *- Option -EM = Emergency battery backup	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-RFK8-14-830UTD

LEDT-R84-HC-WH

\*\* Consult factory for other Color Temperatures and Finishes