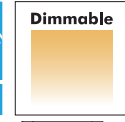
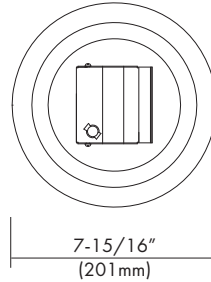


LED-ARFK6

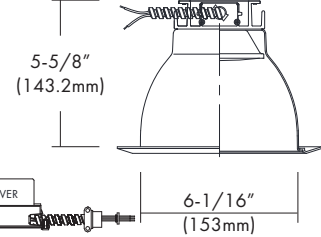
120V-277VAC LED 6", Non-IC, Architectural RetroKit
Down Light with interchangeable Reflector Trims

Catalog #		Type
Project		Date
Prepared by		

6" Architectural LED



CA
Title 24



Ceiling Cut-out : 6-3/8"~7-1/4"

DESCRIPTION

The LED-ARFK6 is an Architectural grade, Non-IC, LED Recessed Downlight Retrokit and is available with multiple Trim Modules. It is designed for use with existing Lum-Tech 6" Architectural Incandescent, Fluorescent and Metal Halide Housings. It is also compatible with most 6" architectural housings measuring at 5-5/8" high with an inside diameter between 6-3/8" and 7-1/4" (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 Location

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, 120~277 VAC input, high efficiency dimming drivers with ① Triac/ELV dimmer switches or ② Triac/ELV/0-10V 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)

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.

Retrokit Mounting

- Designed for use with most existing 6-3/8" - 7-1/4" 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 friction springs or clips.

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%)	950	1,790	2,235	3,220
Efficacy (LPW)	67.9	77.8	74.5	71.5
Beam Angle	75°	75.5°	77°	76.2°
CRI (Typical)	80, 90			
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K			
Dimming	Triac/ELV, Triac/ELV/0-10V, or Lutron Dimming			
LED Module	5 yr/50K hr			
Environment	Wet Location			

○ Triac/ELV/0-10V Approved Dimmers

* Lutron:

Triac: Skylark S-600
ELV: NovaT NTELV-300 & 600
Diva DVELV-300P & 303P
Maestro MAELV-600
Skylark SEL-VB-300P

0-10V:

Diva DDTV
Diva DVSTV-IV
CFL/LED: Diva DVCL-253P
Ariadni AYCL-253P

* Leviton:

Triac: Trimatron #705W
ELV: IPE04-1L (ELV)
Acenti: ATE06-1LW

* Consult tech. service or factory for additional dimmers

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



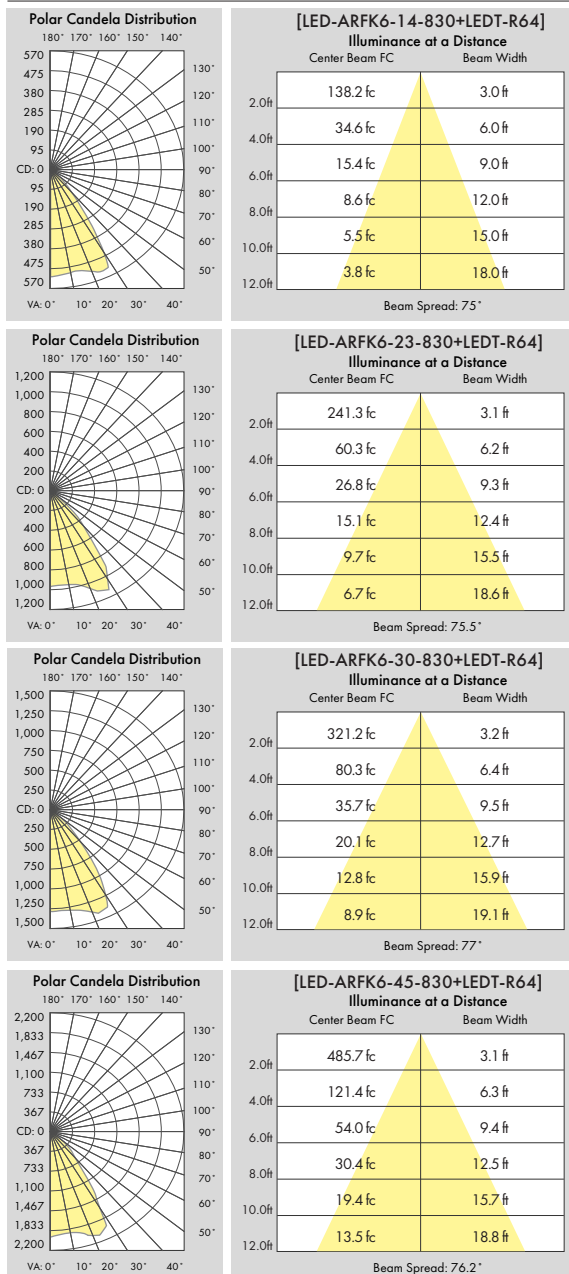
09/02/2020



TRIM



PHOTOMETRIC REPORT * Contact Factory for IES File



Ordering Information

Model _____
LED-ARFK6 = 6", Non-IC, Architectural Down Light Retrofit

-Watts _____
-14 = 14W
-23 = 23W
-30 = 30W
-45 = 45W

-CRI _____
-8 = 80
-9 = 90

Color Temp. ** _____
27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K

Driver* _____
UTD = 120~277VAC, Triac/ELV Dimming (14, 23 & 30W only)
UZTD = 120~277V, Triac/ELV/0-10V Dimming
L1D = Lutron Hi-lume 1% Dimming
L5D = Lutron EcoSystem 5% Dimming
LTE = Lutron Hi-lume 1% 2-Wire Dimming

***Option** _____
-EM = Emergency Battery Backup

Trim _____
LEDT-R64
LEDT-R614
LEDT-R641
LEDT-R622
LEDT-R636
LEDT-R640
LEDT-R650

***Option :** _____
-FT-6SR = Sloped Ceiling Adaptor

-Reflector Finish** _____
-HC = Haze Clear
-WH = White Painted

Baffle Finish for LEDT-R614 & R641 _____
-WH = White
-BK = Black

Optional Metal Trim Ring Finish _____
-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)

** Consult factory for other Color Temperatures and Finishes

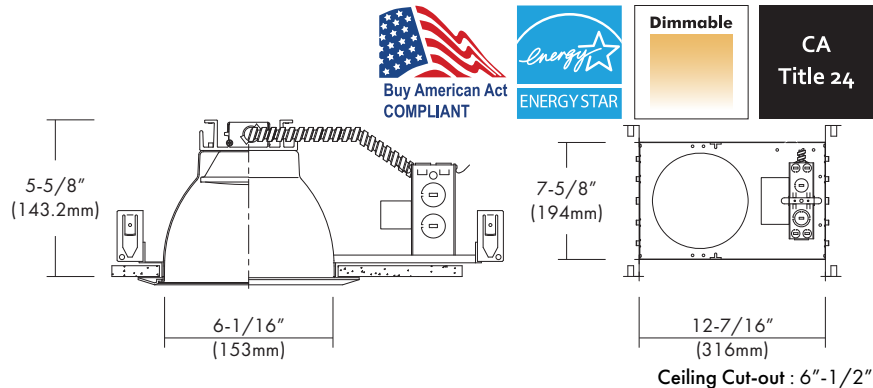
*All trims are rated for damp location and regressed len trims are wet location listed.
 *Wide beam reflector is standard. Also available narrow beam in reflector (consult with factory).
 *LEDT-R641 & LEDT-R622 are suitable and rated for shower location.

LEDH-CFK6

120V-277VAC LED 6", Non-IC, Commercial Flat Frame-in Kit
Down Light with interchangeable Reflector Trims

Catalog #		Type
Project		Date
Prepared by		

6" LED Commercial Flat Frame-in Kit



DESCRIPTION

The LEDH-CFK6 is a 6" 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, 120~277 VAC input, high efficiency dimming drivers with ① Triac/ELV dimmer switches or ② Triac/ELV/0-10V 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	30W	45W
Lumen (+/-5%)	950	1,790	2,235	3,220
Efficacy (LPW)	67.9	77.8	74.5	71.5
Beam Angle	75°	75.5°	77°	76.2°
CRI (Typical)	80, 90			
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K			
Dimming	Triac/ELV, Triac/ELV/0-10V, or Lutron Dimming			
LED Module	5 yr/50K hr			
Environment	Wet Location			

Triac/ELV/0-10V Approved Dimmers

* Lutron:

Triac: Skylark S-600
ELV: NovaT NTELV-300 & 600
Diva DVELV-300P & 303P
Maestro MAELV-600
Skylark SEL-VB-300P

0-10V:

Diva DVTV
Diva DVSTV-IV
CFL/LED: Diva DVCL-253P
Ariadni AYCL-253P

* Leviton:

Triac: Trimatron #705W
ELV: IPE04-1L (ELV)
Acenii: ATE06-1LW

* Consult tech. service or factory for additional dimmers

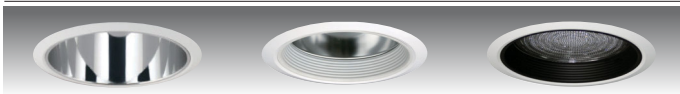
* Provided: Easy-quick connector case (patent pending)



08/27/2020



TRIM



LEDT-R64
Specular Open Reflector

LEDT-R614
Baffle w / Reflector

LEDT-R641
Baffle w /
Regressed Lens



LEDT-R622
Reflector w /
Regressed Lens

LEDT-R636
Wall Wash w /
Reflector Plate

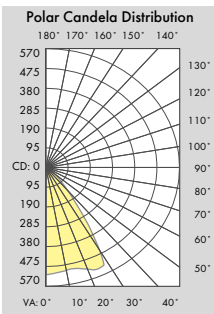
LEDT-R640
Reflector w /
Frosted Floating Lens



LEDT-R650
Reflector with Frosted 3.5"
Center Hole Lens

***FT-6SR**
Optional Sloped Ceiling
Adaptor

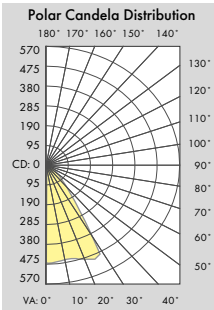
PHOTOMETRIC REPORT * Contact Factory for IES File



[LEDH-CFK6-14-830+LEDT-R64]
Illuminance at a Distance

Center Beam FC	Beam Width
138.2 fc	3.0 ft
34.6 fc	6.0 ft
15.4 fc	9.0 ft
8.6 fc	12.0 ft
5.5 fc	15.0 ft
3.8 fc	18.0 ft

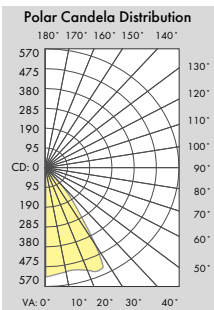
Beam Spread: 75°



[LEDH-CFK6-23-830+LEDT-R64]
Illuminance at a Distance

Center Beam FC	Beam Width
244.2 fc	3.0 ft
61.0 fc	6.1 ft
27.1 fc	9.1 ft
15.3 fc	12.2 ft
9.8 fc	15.2 ft
6.8 fc	18.2 ft

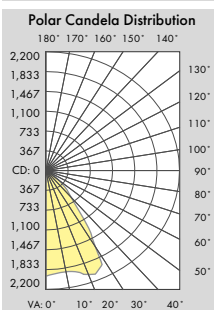
Beam Spread: 75°



[LEDH-CFK6-30-830+LEDT-R64]
Illuminance at a Distance

Center Beam FC	Beam Width
316.1 fc	2.4 ft
79.0 fc	4.9 ft
35.1 fc	7.3 ft
19.8 fc	9.8 ft
12.6 fc	12.2 ft
8.8 fc	14.7 ft

Beam Spread: 75°



[LEDH-CFK6-45-830+LEDT-R64]
Illuminance at a Distance

Center Beam FC	Beam Width
485.7 fc	3.1 ft
121.4 fc	6.3 ft
54.0 fc	9.4 ft
30.4 fc	12.5 ft
19.4 fc	15.7 ft
13.5 fc	18.8 ft

Beam Spread: 76.2°

Ordering Information

Model

LEDH-CFK6 = 6", Non-IC, Commercial
Flat Frame-in Down Light Kit

-Watts

-14 = 14W
-23 = 23W
-30 = 30W
-45 = 45W

-CRI

-8 = 80
-9 = 90

Color Temp. **

27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K

Driver*

UTD = 120~277VAC, Triac/ELV Dimming
(14, 23 & 30W only)
UZTD = 120~277V, Triac/ELV/0-10V Dimming
L1D = Lutron Hi-lume 1% Dimming
L5D = Lutron EcoSystem 5% Dimming
LTE = Lutron Hi-lume 1% 2-Wire Dimming

*Option

-EM = Emergency Battery Backup

Trim

LEDT-R64
LEDT-R614
LEDT-R641
LEDT-R622
LEDT-R636
LEDT-R640
LEDT-R650

*Option :

-FT-6SR = Sloped Ceiling Adaptor

-Reflector Finish**

-HC = Haze Clear
-WH = White Painted

Baffle Finish for LEDT-R614 & R641

-WH = White
-BK = Black

Optional Metal Trim Ring Finish

-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)

** Consult factory for other Color Temperatures and Finishes

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

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

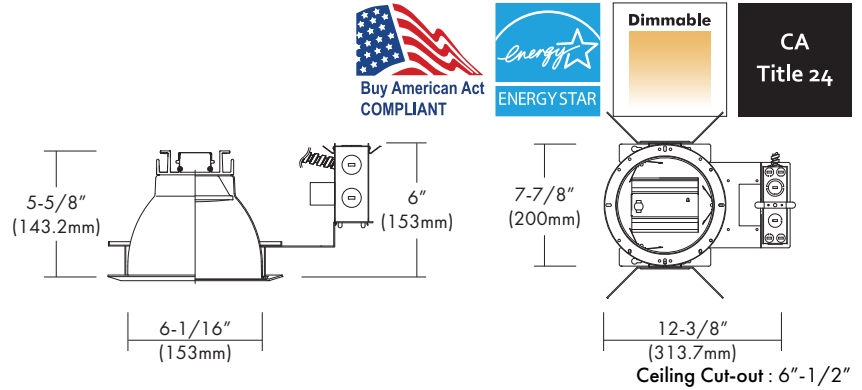
*LEDT-R641 & LEDT-R622 are suitable and rated for shower location.

LEDH-AFK6

120V-277VAC 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



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 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 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

- Universal, 120~277 VAC input, high efficiency dimming drivers with ① Triac/ELV dimmer switches or ② Triac/ELV/0-10V 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)

Mounting Channel Bracket

- Commercial mounting kit provides up to 5" vertical adjustment and accommodates 1/2" EMT conduit. Optional HBC-24 bar hanger 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°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%)	950	1,790	2,235	3,220
Efficacy (LPW)	67.9	77.8	74.5	71.5
Beam Angle	75°	75.5°	77°	76.2°
CRI (Typical)	80, 90			
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K			
Dimming	Triac/ELV, Triac/ELV/0-10V, or Lutron Dimming			
LED Module	5 yr/50K hr			
Environment	Wet Location			

Triac/ELV/0-10V Approved Dimmers

* Lutron:

Triac: Skylark S-600
ELV: NovaT NTELV-300 & 600
Diva DVELV-300P & 303P
Maestro MAELV-600
Skylark SEL-VB-300P

0-10V:

Diva DDTV
Diva DVSTV-IV
CFL/LED: Diva DVCL-253P
Ariadni AYCL-253P

* Leviton:

Triac: Trimatron #705W
ELV: IPE04-1L (ELV)
Acenti: ATE06-1LW

* Consult tech. service or factory for additional dimmers

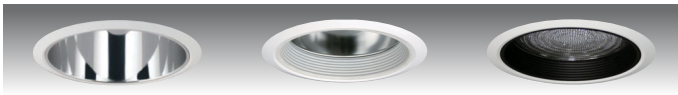
* Provided: Easy-quick connector case (patent pending)



08/28/2020



TRIM



LEDT-R64
Specular Open Reflector

LEDT-R614
Baffle w / Reflector

LEDT-R641
Baffle w /
Regressed Lens



LEDT-R622
Reflector w /
Regressed Lens

LEDT-R636
Wall Wash w /
Reflector Plate

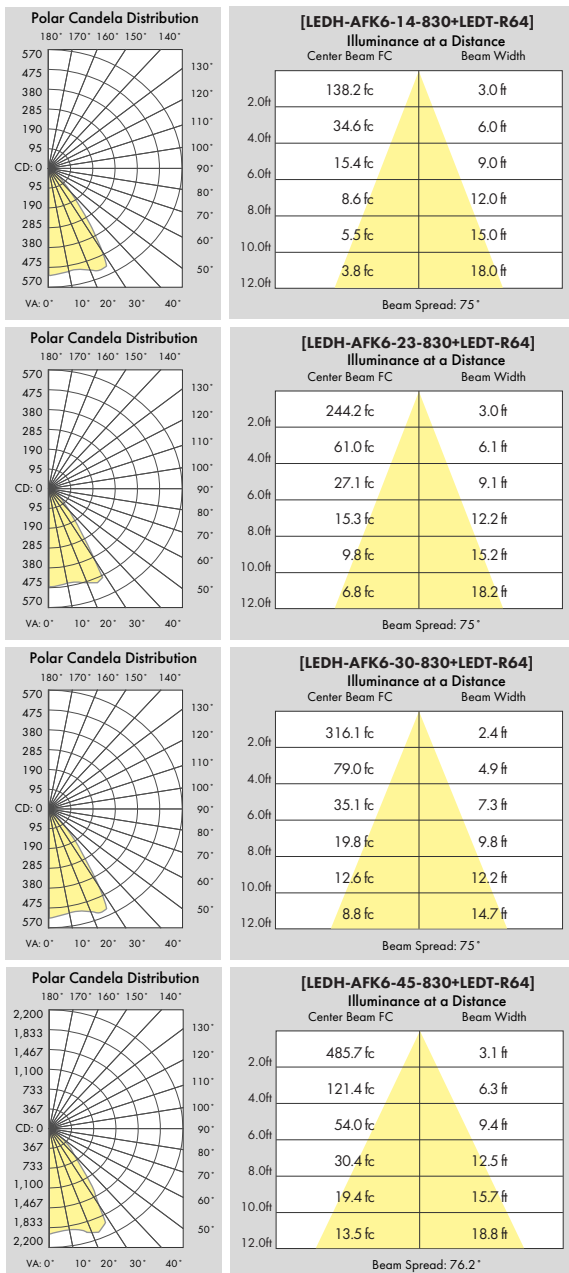
LEDT-R640
Reflector w /
Frosted Floating Lens



LEDT-R650
Reflector with Frosted 3.5"
Center Hole Lens

***FT-6SR**
Optional Sloped Ceiling
Adaptor

PHOTOMETRIC REPORT * Contact Factory for IES File



Ordering Information

Housing

LEDH-AFK6 = 6", Non-IC, Architectural
Frame-in Down Light Kit

-Watts

-14 = 14W
-23 = 23W
-30 = 30W
-45 = 45W

-CRI

-8 = 80
-9 = 90

Color Temp. **

27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K

Driver*

UTD = 120~277VAC, Triac/ELV Dimming
UZTD = 120~277V, Triac/ELV/0-10V Dimming
LTD = Lutron Hi-lume 1% Dimming
LSD = Lutron EcoSystem 5% Dimming
LTE = Lutron Hi-lume 1% 2-Wire Dimming

*Option

-EM = Emergency Battery Backup

Trim

LEDT-R64
LEDT-R614
LEDT-R641
LEDT-R622
LEDT-R636
LEDT-R640
LEDT-R650

*Option :

-FT-6SR = Sloped Ceiling Adaptor

-Reflector Finish**

-HC = Haze Clear
-WH = White Painted

Baffle Finish for LEDT-R614 & R641

-WH = White
-BK = Black

Optional Metal Trim Ring Finish

-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)

** Consult factory for other Color Temperatures and Finishes

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

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

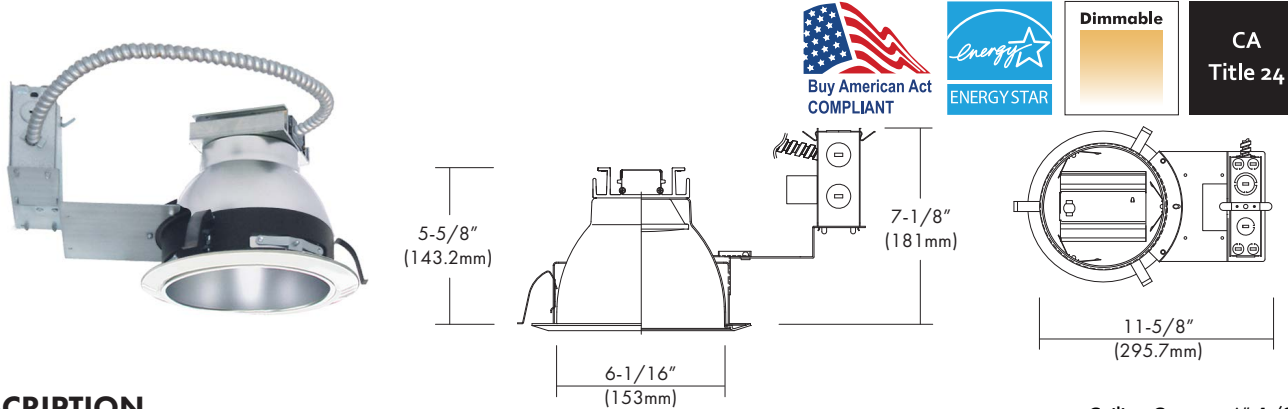
*LEDT-R641 & LEDT-R622 are suitable and rated for shower location.

LEDH-RFK6

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

Catalog #		Type
Project		Date
Prepared by		

6" LED Remodel Frame-in Kit



DESCRIPTION

The LEDH-RFK6 is a 6" 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.

Ceiling Cut-out : 6" - 1/2"

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, 120~277 VAC input, high efficiency dimming drivers with ① Triac/ELV dimmer switches or ② Triac/ELV/0-10V 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%)	950	1,790	2,235	3,220
Efficacy (LPW)	67.9	77.8	74.5	71.5
Beam Angle	75°	75.5°	77°	76.2°
CRI (Typical)	80, 90			
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K			
Dimming	Triac/ELV, Triac/ELV/0-10V, or Lutron Dimming			
LED Module	5 yr/50K hr			
Environment	Wet Location			

○ Triac/ELV/0-10V Approved Dimmers

* Lutron:

Triac: Skylark S-600
ELV: NovaT NTELV-300 & 600
Diva DVELV-300P & 303P
Maestro MAELV-600
Skylark SEL-VB-300P

0-10V:

Diva DDTV
Diva DVSTV-IV
CFL/LED: Diva DVCL-253P
Ariadni AYCL-253P

* Leviton:

Triac: Trimatron #705W
ELV: IPE04-1L (ELV)
Acenti: ATE06-11W

* Consult tech. service or factory for additional dimmers

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



TRIM



LEDT-R64
Specular Open Reflector

LEDT-R614
Baffle w / Reflector

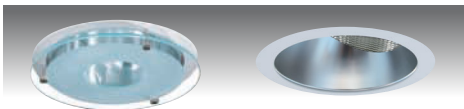
LEDT-R641
Baffle w / Regressed Lens



LEDT-R622
Reflector w / Regressed Lens

LEDT-R636
Wall Wash w / Reflector Plate

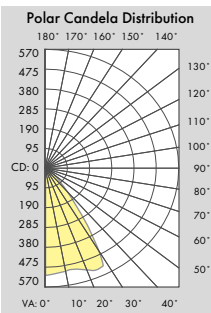
LEDT-R640
Reflector w / Frosted Floating Lens



LEDT-R650
Reflector with Frosted 3.5" Center Hole Lens

***FT-6SR**
Optional Sloped Ceiling Adaptor

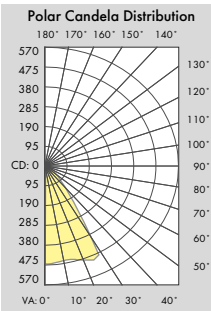
PHOTOMETRIC REPORT * Contact Factory for IES File



[LEDH-RFK6-14-830+LEDT-R64]
Illuminance at a Distance

Center Beam FC	Beam Width
138.2 fc	3.0 ft
34.6 fc	6.0 ft
15.4 fc	9.0 ft
8.6 fc	12.0 ft
5.5 fc	15.0 ft
3.8 fc	18.0 ft

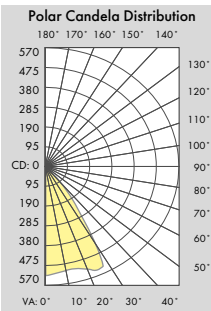
Beam Spread: 75°



[LEDH-RFK6-23-830+LEDT-R64]
Illuminance at a Distance

Center Beam FC	Beam Width
244.2 fc	3.0 ft
61.0 fc	6.1 ft
27.1 fc	9.1 ft
15.3 fc	12.2 ft
9.8 fc	15.2 ft
6.8 fc	18.2 ft

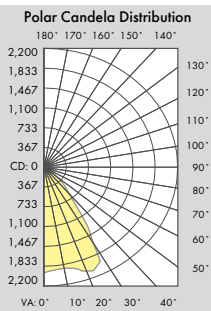
Beam Spread: 75°



[LEDH-RFK6-30-830+LEDT-R64]
Illuminance at a Distance

Center Beam FC	Beam Width
316.1 fc	2.4 ft
79.0 fc	4.9 ft
35.1 fc	7.3 ft
19.8 fc	9.8 ft
12.6 fc	12.2 ft
8.8 fc	14.7 ft

Beam Spread: 75°



[LEDH-RFK6-45-830+LEDT-R64]
Illuminance at a Distance

Center Beam FC	Beam Width
485.7 fc	3.1 ft
121.4 fc	6.3 ft
54.0 fc	9.4 ft
30.4 fc	12.5 ft
19.4 fc	15.7 ft
13.5 fc	18.8 ft

Beam Spread: 76.2°

Ordering Information

Housing
LEDH-RFK6 = 6", Non-IC, Remodel Frame-in Down Light Kit

-Watts
-14 = 14W
-23 = 23W
-30 = 30W
-45 = 45W

-CRI
-8 = 80
-9 = 90

Color Temp.**
27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K

Driver*
UTD = 120~277VAC, Triac/ELV Dimming (14, 23 & 30W only)
UZTD = 120~277V, Triac/ELV/0-10V Dimming
LTD = Lutron Hi-lume 1% Dimming
LSD = Lutron EcoSystem 5% Dimming
LTE = Lutron Hi-lume 1% 2-Wire Dimming

*Option
-EM = Emergency Battery Backup

Trim
LEDT-R64
LEDT-R614
LEDT-R641
LEDT-R622
LEDT-R636
LEDT-R640
LEDT-R650

*Option :
-FT-6SR = Sloped Ceiling Adaptor

-Reflector Finish**
-HC = Haze Clear
-WH = White Painted

Baffle Finish for LEDT-R614 & R641
-WH = White
-BK = Black

Optional Metal Trim Ring Finish
-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)

** Consult factory for other Color Temperatures and Finishes

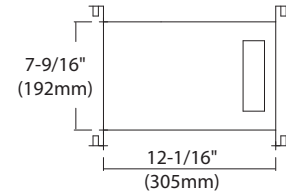
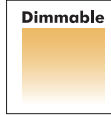
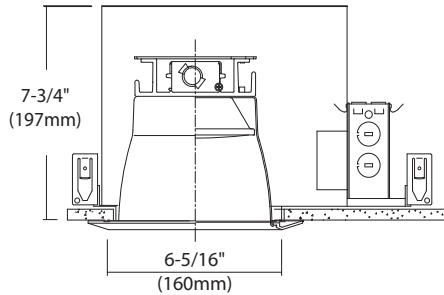
*All trims are rated for damp location and regressed lens trims are wet location listed.
*Wide beam reflector is standard. Also available narrow beam in reflector(consult with factory).
*LEDT-R641 & LEDT-R622 are suitable and rated for shower location.

LEDH-CFK6ICA

120V-277VAC LED 6", IC/AIR-TIGHT Commercial Flat Frame-in Kit
Down Light with interchangeable Reflector Trims

Catalog #		Type
Project		Date
Prepared by		

6" LED Commercial Flat Frame-in Kit



DESCRIPTION

Ceiling Cut-out : 6"-1/2"

The LEDH-CFK6ICA is a 6" LED, IC/AIR-TIGHT Commercial Flat Frame-in kit and is available with multiple Trim styles. 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. This luminaire is listed as Type IC and is suitable for direct contact with insulation. 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, 120~277 VAC input, high efficiency dimming drivers with ① Triac/ELV dimmer switches or ② Triac/ELV/0-10V 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.

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

- cCSAus
- ENERGY STAR
- California Title 24

SPECIFICATION	
Input Voltage	120-277VAC
Wattage (+/-5%)	14 W 23W
Lumen (+/-5%)	950 lm 1,790 lm
Efficacy (LPW)	67.9 lm/W 77.8 lm/W
Beam Angle	75° 75.5°
CRI (Typical)	80, 90
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K
Dimming	Triac/ELV, Triac/ELV/0-10V, or Lutron Dimming
LED Module	5 yr/50K hr
Environment	Wet Location

• Triac/ELV/0-10V Approved Dimmers

* Lutron:

Triac: Skylark S-600
ELV: NovaT NTELV-300 & 600
Diva DVELV-300P & 303P
Maestro MAELV-600
Skylark SEL-VB-300P

0-10V: Diva DDTV

Diva DVSTV-IV
CFL/LED: Diva DVCL-253P
Ariadni AYCL-253P

* Leviton:

Triac: Trimatron #705W
ELV: IPE04-1L (ELV)
Acenti: ATE06-1LW

* Consult tech. service or factory for additional dimmers

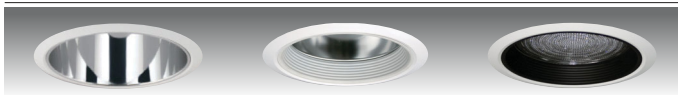
* Provided: Easy-quick connector case (patent pending)



08/28/2020



TRIM



LEDT-R64
Specular Open Reflector

LEDT-R614
Baffle w / Reflector

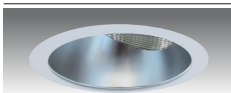
LEDT-R641
Baffle w /
Regressed Lens



LEDT-R622
Reflector w /
Regressed Lens

LEDT-R636
Wall Wash w /
Reflector Plate

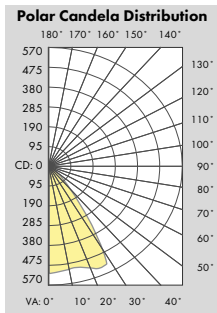
LEDT-R640
Reflector w /
Frosted Floating Lens



***FT-6SR**
Optional Sloped Ceiling
Adaptor

- * Wide beam reflector is standard. Also available narrow beam in reflector(consult with factory).
- * All trims are rated for damp location and regressed lens trims are wet location listed.
- * LEDT-R641 & LEDT-R622 are suitable and rated for shower location.

PHOTOMETRIC REPORT * Contact Factory for IES File

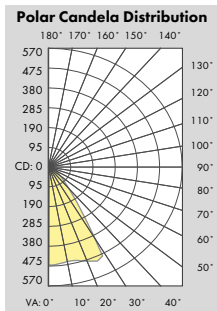


Illuminance at a Distance

Center Beam FC	Beam Width
138.2 fc	3.0 ft
34.6 fc	6.0 ft
15.4 fc	9.0 ft
8.6 fc	12.0 ft
5.5 fc	15.0 ft
3.8 fc	18.0 ft

Beam Spread: 75°

[LEDH-CFK6ICA-14-830+LEDT-R64]



Illuminance at a Distance

Center Beam FC	Beam Width
244.2 fc	3.0 ft
61.0 fc	6.1 ft
27.1 fc	9.1 ft
15.3 fc	12.2 ft
9.8 fc	15.2 ft
6.8 fc	18.2 ft

Beam Spread: 75°

[LEDH-CFK6ICA-23-830+LEDT-R64]

Ordering Information

Housing _____

LEDH-CFK6ICA = 6", IC/AIR-TIGHT Commercial
Flat Frame-in Down Light Kit

-Watts _____

-14 = 14W

-23 = 23W

-CRI _____

-8 = 80

-9 = 90

Color Temp.** _____

27 = 2700K

30 = 3000K

35 = 3500K

40 = 4000K

Driver* _____

UTD = 120~277VAC, Triac/ELV Dimming

UZTD = 120~277V, Triac/ELV/0-10V Dimming

L1D = Lutron Hi-lume 1% Dimming

L5D = Lutron EcoSystem 5% Dimming

LTE = Lutron Hi-lume 1% 2-Wire Dimming

*Option : Emergency

-EM = Emergency Battery Backup

MUST have access above ceiling

Trim _____

LEDT-R64

LEDT-R614

LEDT-R641

LEDT-R622

LEDT-R636

LEDT-R640

*Option :

-FT-6SR = Sloped Ceiling Adaptor

-Reflector Finish** _____

-HC = Haze Clear

-WH = White Painted

Baffle Finish for LEDT-R614 & R641

-WH = White

-BK = Black

Optional Metal Trim Ring Finish _____

-WH = White Plastic Trim Ring (Standard)

-WMR = White Metal Ring

-SN = Satin Nickel

-CH = Chrome

-SF = Polished Self-Flange

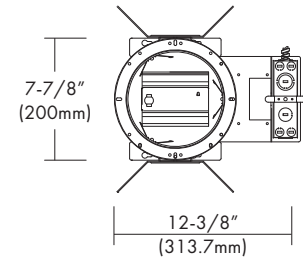
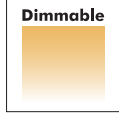
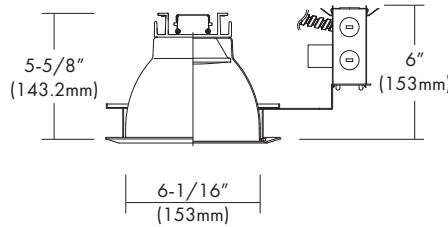
** Consult factory for other Color Temperatures and Finishes

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

120~277 VAC, 6" Non-IC Type, High Wattage Output (HO) LED Architectural Frame-in Kit Down Light with interchangeable Reflector Trims

Catalog #		Type
Project		Date
Prepared by		

6" LED Architectural Frame-in Kit



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 or 70W 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°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

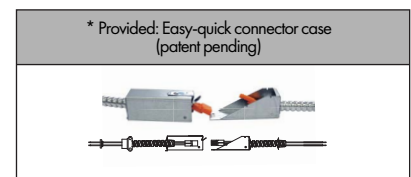
- LED Module: 5 years/50K hours
- Product/Driver: 3 years

Listing

- cETLus Wet Location
- ENERGY STAR
- California Title 24

SPECIFICATION			
Input Voltage	120-277VAC		
Wattage (+/-5%)	50W	60W	70W
Lumen (+/-5%)	5,000	6,000	7,000
Efficacy (LPW)	100	100	100
Beam Angle	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	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 : DDTV
* Leviton: Decora 0-10V : IP710DL
Consult tech. service or factory for additional dimmers



TRIM



LEDT-R64
Specular Open Reflector

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

Ordering Information

Model

LEDH-AFK6 = 6", Non-IC, Architectural
Frame-in Down Light Kit

-Watts

-50 = 50W
-60 = 60W
-70 = 70W

-CRI

-8 = 80
-9 = 90

Color Temp.**

27 = 2700K
30 = 3000K
35 = 3500K
40 = 4000K

Driver*

UZTD = 120~277V, 0-10V, Triac & ELV:
1-100% Dimming

*Option

-EM = Emergency Battery Backup

Trim

LEDT-R64

-Reflector Finish**

-HC = Haze Clear
-WH = White Painted

Optional Metal Trim Ring Finish

-WH = White Plastic Trim Ring (Standard)
-WMR = White Metal Ring
-SN = Satin Nickel
-CH = Chrome
-SF = Polished Self-Flange

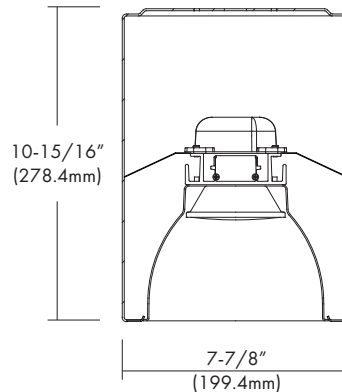
** Consult factory for other Color Temperatures and Finishes

LEDH-SR6 Series

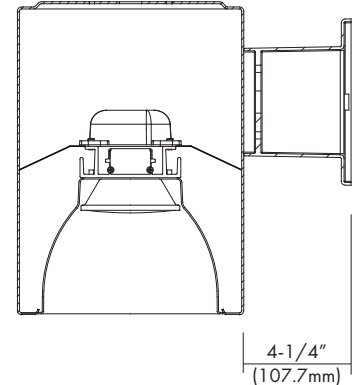
120-277 VAC, 6" LED Ceiling, Wall and Pendant Mount Cylinders

Catalog #		Type
Project		Date
Prepared by		

6" LED Cylinder



[Ceiling Mount : LEDH-SR6C]



[Wall Mount : LEDH-SR6W]

DESCRIPTION

The LEDH-SR6 Series 6" Surface Mount Cylinders come in three versions: Ceiling "C", Wall "W" and Pendant "P". The fixtures are offered in 14W, 23W and 30W LED, COB modules plus State-of-the-Art universal drivers with Triac, ELV or 0-10V dimming.

DESIGN FEATURES

LED Module

- Durable extruded aluminum heat sink is integrated with the LED COB (chip on board).
- Inner reflector enables even distribution with excellent uniformity.

Reflector

- Anodized haze clear and White painted finishes. Optional Baffle style reflectors are also available. Contact factory for other finishes.

Housing

- Round, .060" thick spun aluminum housing available in semi-matte White, Black, Bronze and Silver.

Heat Sink

- Extruded Aluminum Heat Sink computer designed for superior thermal management to ensure constant light output, color and life of solid state engine components.

LED Power Supply Driver

- Universal, 120~277 VAC input, high efficiency dimming drivers with ① Triac/ELV dimmer switches or ② Triac/ELV/0-10V 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 LED module for thermal isolation and allows for easy maintenance if needed.
- 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)

Wall Bracket (LEDH-SR6W)

- Cast aluminum bracket easily secures to housing's cross-bar with set screws.

Limited Warranty

- LED Module: 5 years/50K hours
- Product/Driver: 3 years

Listing

- ENERGY STAR
- cCSA-us Listed

SPECIFICATION			
Input Voltage	120-277VAC		
Wattage (+/-5%)	14 W	23 W	30 W
Lumen (+/-5%)	950	1,790	2,235
Efficacy (LPW)	67.9	77.8	74.5
Beam Angle	75°	75.5°	77°
CRI (Typical)	80, 90		
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K		
Dimming	Triac/ELV, Triac/ELV/0-10V, or Lutron Dimming		
LED Module	5 yr/50K hr		
Environment	Indoor		

○ Triac/ELV/0-10V Approved Dimmers

* Lutron:

Triac: Skylark S-600
 ELV: NovaT NTELV-300 & 600
 Diva DVELV-300P & 303P
 Maestro MAELV-600
 Skylark SEL-VB-300P

0-10V:

Dival DVTV
 Diva DVSTV-IV
 CFL/LED: Diva DVCL-253P
 Ariadni AYCL-253P

* Leviton:

Triac: Trimatron #705W
 ELV: IPE04-1L (ELV)
 Acenti: ATE06-1LW

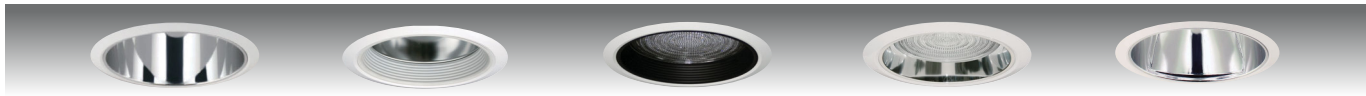
* Consult tech. service or factory for additional dimmers

09/02/2020



TRIMS

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



LEDT-R64
Specular Open Reflector

LEDT-R614
Baffle w / Reflector

LEDT-R641
Baffle w /
Regressed Lens

LEDT-R622
Reflector w /
Regressed Lens

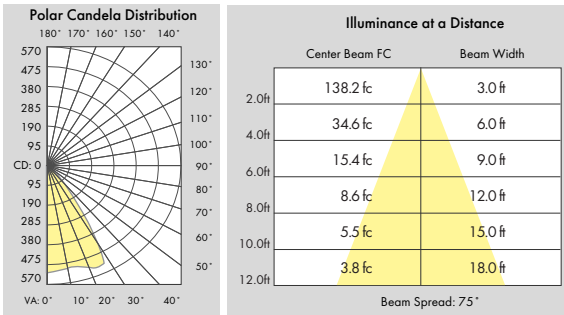
LEDT-R636
Wall Wash w /
Reflector Plate

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

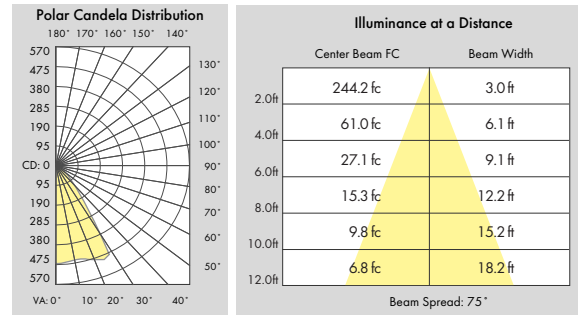
*LEDT-R641 & LEDT-R622 are suitable and rated for shower location.

PHOTOMETRIC REPORT

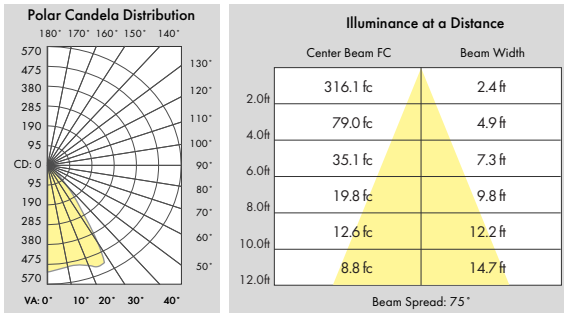
* Contact Factory for IES File



[LEDH-SR6C/SR6W/SR6P-14]



[LEDH-SR6C/SR6W/SR6P-23]



[LEDH-SR6C/SR6W/SR6P-30]

Ordering Information

Model	-Pendant Style/Length	-Watts	-CRI	Color Temp.*	Driver	-Housing Finish*	Trim	- Reflector Finish**	Baffle Finish for LEDT-R614 & R641	Reflector Collar for LEDT-R622	Lens for LEDT-R641 & R622
LEDH-SR6C (Ceiling Mount)	Place Style before Length	-14 = 14W	-8 = 80 CRI	27 = 2700K	UTD = 120-277VAC, Triac/ ELV Dimming	-WH = White	LEDT-R64	-HC = Haze Clear	-WH = White	-CL = Clear	-FR = Fresnel
	* = Standard Pendant	-23 = 23W	-9 = 90 CRI	30 = 3000K				-BK = Black			
LEDH-SR6W (Wall Mount)	Pendant Lengths 12 = 12 Inches 18 = 18 Inches 24 = 24 Inches	-30 = 30W		35 = 3500K	UZTD = 120-277V, Triac/ ELV/0-10V Dimming	-BZ = Bronze	LEDT-R614	-WH = White Painted			
LEDH-SR6P (Pendant Mount)	36 = 36 Inches 48 = 48 Inches Cable and Cord Lengths -C32 = 32 Inches -C58 = 58 Inches -C108 = 108 Inches -C128 = 128 Inches			40 = 4000K	L1D = Lutron Hi-Lume 1% Dimming L5D = Lutron EcoSystem 5% Dimming LTE = Lutron Hi-Lume 1% 2-Wire Dimming	-S I = Silver	LEDT-R641 LEDT-R622 LEDT-R636				
					* - Option -DOB = 120V AC Driver on Board -EM = Emergency battery backup						

Example : LEDH-SR6P-24-23-830UZTD-WH

LEDT-R64-HC

* Consult factory for other Color Temperatures and Finishes