

LED Retrofit Program

Department of Health Care Access and Information

Facilities Development Division

How to develop a template approach that would allow clients to develop details, catalog cuts and specifications for a the system wide project that would take into account all conditions that they will encounter for LED retrofit projects:

1. The contract documents should clearly identify the work for each fixture as either:
 - New Fixture added – will need detailing on contract documents
 - New fixture that replaces existing fixture – will need detailing on contract documents
 - UL type A - Tube replacements
 - UL type B - Total system bypass

Note: The submittals should clearly indicate that Type B retrofit kits are listed for fixtures to be modified.

 - UL type C – Total system bypass with separate LED driver - will need detailing on contract documents
2. Can be submitted for field review, HCAI is not able to commit to field review for these projects, but will need to just address one at a time as they come in.
3. In addition the following special conditions should be identified:
 - Existing fixture to be replaced/retrofit has an emergency battery
 - Dimming controls to be added (drawings will need to be submitted)
 - On/off controls to be added. (drawings will need to be submitted)
 - Wiring added to support controls and/or dimming (drawings will need to be submitted)
4. The contract documents should clearly indicate what work will be done at each fixture:
 - If wire splicing include spec/callout for wirenuts
 - If ballasts/lamps/Lampholders are to be removed or not (if not a note should be added to require final installed fixture and all associated components do not weigh more than 54 lbs)
 - The contract drawings should clearly indicate where fixtures are installed in rated ceilings. In these cases details on the plans should be added to indicate that the existing fixtures and/or new retrofit fixtures are protected.
5. ACD's will be accepted only if dedicated to lighting.
6. At this time the drawings will be sent in as a complete package with all scope shown for entire project. Client should contact us when they feel that they have enough of the details worked thru to have a single package of specs/details etc.. that will cover all remaining projects. At this time we can investigate how to develop a template concept or a pilot project concept

7. For details (when you have the LED driver splice box – like in the advanta drawings below) if does not weigh too much (3 lbs or less) you will not need a slack wire. We recommend that you include a detail for this condition and state the weight of the box.
8. Will need to address what to do if discovered conditions where unpermitted work was previously performed in a rated ceiling and the rating was not protected. Example above a can light where it was not boxed on all sides. For the submitted products below. The first is a bezel replacement with a screw in adapter and pig tail for lamp replacement. The second is a fixture replacement that is meant to secure with spring clips to the gyp board or ACT. In either case if the existing can light was not installed with a permit the rating of the ceiling may not have been maintained. A detail(s) on the plans would account for this situation. The DPOR should include this in their submittal.



RDR Downlight Retrofit

FEATURES

- Replaces legacy 4" or 6" CFL or incandescent downlights
- Provides comfortable diffused light with no dark spots
- Integrated white trim with medium base (E26) socket adapters (included) for direct replacement
- FieldCCeT feature (select models) allows for multiple "set and forget" CCT options in each fixture

CERTIFICATIONS

- UL Listed for Wet/Damp locations
- ENERGY STAR® Approved for superior energy efficiency
- Title 20 certified and supports compliance with Title 24 (JA8) (90CRI models)

PERFORMANCE

- Rated lifetime L70: 35,000
- 3000K CCT
- FieldCCeT: 27/30/35/40/5000K
- CRI: >80; >90

ELECTRICAL

- Input voltage: 120V
- Triac dimming
- Power Factor: >0.9
- THD: <20%

THERMAL

- -4°F to 104°F (-20°C to 40°C) operating temperature

CONSTRUCTION

- White finish
- Frosted lens for diffuse lighting

WARRANTY

- 5 year limited warranty. Additional warranty options available. Contact Eiko for details

project name	type
catalog number	voltage
approved by	date



FieldCCeT allows the user to select the desired color temperature on install using a switch on the back of the fixture.



PowerSet allows for multiple "set and forget" lumen stops in each fixture.

APPLICATIONS

- Multi-Residential (Dorms/Apartments)
- Classroom
- Office
- Reception/Lobby
- Restrooms
- Retail
- Dr. Offices/Waiting/Patient Rooms
- Library
- Meeting rooms
- Dining/Cafeteria
- Airports
- Automotive Dealerships
- Hallways
- Stairwells

NOMENCLATURE

MODEL	SIZE	LUMENS	WATTS	CRI/CCT	VOLTAGE	DIMMING	FINISH	REFLECTOR
RDR : Downlight Retrofit	4 - 4"	65 - 650 lm	10W - 10W	830 - 80 CRI; 3000K	120 - 120V	DT - Triac Dimming	WH - White	B - Baffle
		65 - 650 lm	13W - 13W					
		85 - 850 lm	13W - 13W					
		[Blank] 1,100 lm	13W - 13W					
	6 - 6"	75 - 750 lm	11W - 11W					
		[Blank] 900 lm	13W - 13W					
		[Blank] 1,500 lm	16W - 16W					
		120 - 1,200 lm	17W - 17W					
	4 - 4"	[Blank] 800 lm	10W - 10W	9CCT5 - 90 CRI; 27/30/35/40/5000K (FieldCCeT)				
	6 - 6"	[Blank] 1,040 lm	13W - 13W	9FCCT - 90 CRI; 27/30/35/40/5000K (FieldCCeT)				
	4 - 4"	[Blank] 1,040/800/640 lm	PS13 - 13W/10W/8W					
	6 - 6"	[Blank] 1,400/1,100/850 lm	PS17 - 17W/13W/10W					



(90CRI models only)

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eiko.com
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Not for sale in California unless otherwise noted.

KT-RDLED18PS-6B-9CSF-VDIM

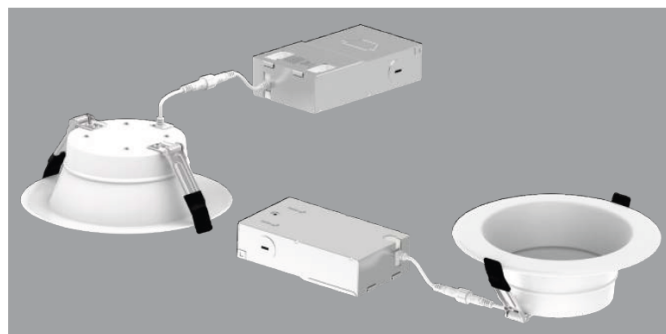
6" LED RECESSED DOWNLIGHT

DESCRIPTION

6" LED Recessed Downlight |
Power Select Technology | Color Select Technology |
Remote Driver with Built-in Junction Box

APPLICATION

Ideal for residential, hospitality, retail, office, and
other retrofit and new construction applications



PRODUCT FEATURES

- Keystone Power Select and Color Select technologies offer SKU reduction and allow for easy, on-the-job adjustments
- Utilizes a remote driver with built-in junction box and quick disconnect; Eliminates the need for a traditional, multi-piece fixture setup
- CEC Compliant Flicker Rate (CEC JA10 std.)
- Ideal for new construction, remodel, and retrofit applications
- Frosted lens provides even illumination
- Interchangeable trims available in matte black, brushed nickel, and bronze
- Powered by Keystone 0–10V dimming LED driver; 10–100% dimming
- Ambient operating temperature: –30°C/–22°F to 40°C/104°F
- Suitable for use in wet locations
- Airtight and Type IC-rated
- Power factor: >0.90
- THD: <20%
- LED chip lifetime: L70 >80,000 hrs @ 25°C/77°F ambient fixture temp
- FCC Part 15, Subpart B, Class A

PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Wattage (Selectable)	CCT (Selectable)*	Lumen Output	Efficacy	CRI	Power Factor	Beam Angle	Lifetime
KT-RDLED18PS-6B-9CSF-VDIM	120–277V	18.5W	2700K	1,750	95 lm/W	>90	>0.9	85°	50,000 hrs
			3000K	1,780	96 lm/W				
			3500K	1,810	98 lm/W				
			4000K	1,810	98 lm/W				
			5000K	1,780	96 lm/W				
		13W	2700K	1,250	96 lm/W				
			3000K	1,280	98 lm/W				
			3500K	1,310	101 lm/W				
			4000K	1,310	101 lm/W				
			5000K	1,280	98 lm/W				
		9W	2700K	800	89 lm/W				
			3000K	820	91 lm/W				
			3500K	840	93 lm/W				
			4000K	840	93 lm/W				
			5000K	820	91 lm/W				

* Preset to highest CCT: 5000K

Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017