Overview

The Finiré Prime family offers a variety of options that allow the product to be used both as a compliment to other Lutron fixtures as well as a full home solution on its own. While the product is easy to specify, knowing the subtle differences between options is critical for a successful installation. This document will cover design options, explain the differences, and discuss the applications where these options might be best suited.

Table of Contents

Downlight Position vs Tilt Position ................................................................. 2
  Downlight Position ................................................................. 2
  Tilted Position ................................................................. 2
  Sloped Ceilings ................................................................. 2
Rotation ................................................................. 3
Non-Insulation Contact (Non-IC) Housings vs. Insulation Contact (IC) Housings ........... 3
  Non-IC Housings ................................................................. 3
  IC Housings ................................................................. 3
  Shallow IC Housings ................................................................. 3
Beam Spread Options ................................................................. 4
  30° Spread ................................................................. 4
  65° Spread ................................................................. 4
  Wall Wash Lens ................................................................. 5
  Wall Wash Lens Spacing ................................................................. 5
    Distance From the Wall ................................................................. 5
    Distance Between Fixtures ................................................................. 5
  Optics Kits ................................................................. 5
Correlated Color Temperature (CCT) ................................................................. 6
  2700 K ................................................................. 6
  3000 K ................................................................. 6
  Finiré Prime Fixtures With Warm Dimming ................................................................. 6
Thick Ceiling Applications ................................................................. 7
EcoSystem vs 2-wire Technology ................................................................. 7
  EcoSystem Technology ................................................................. 7
  2-wire Technology ................................................................. 7
Soft-on, Fade-to-black Technology ................................................................. 7
Suggested Applications ................................................................. 8
  General Living Space ................................................................. 8
  Multi-Dwelling Units ................................................................. 8
  Back-of-House Space ................................................................. 8
Downlight Position vs Tilt Position

The Finiré Prime fixture can be tilted from 0° to 25°. This section will explain the different ways the fixture can be adjusted and the uses for each application.

Downlight Position

Downlight position is used in applications where it is desired to have the light shine perpendicular to the bottom surface of the fixture (nadir). This encompasses a majority of general lighting applications that have a standard ceiling which is parallel to the floor.

Tilted Position

The tilt feature is used in applications where it is desirable to have the light shine at an angle rather than straight down. Finiré Prime fixtures have a light module that can be adjusted from 0° to 25°. This feature is commonly used to shine light on something specific (e.g., artwork, vase, pedestal) or when used as a wall wash (e.g., hallway, accent wall).

Sloped Ceilings

Sloped ceilings is another application where the tilt feature can be useful. The design intent of many sloped ceilings is to provide the appearance of a downlight. To achieve this when the ceiling is not parallel to the floor, adjust the tilt to counter the slope of the ceiling. For example, if the ceiling is slanted 25°, tilt the light module 25°. Since the exact slope of the ceiling may not be known, this may require multiple rounds of adjusting the tilt and checking the result.
Rotation

Rotation for the Finiré Prime fixture is achieved by simply rotating the trim/LED module. To avoid damaging the ceiling material, the trim/LED module should be removed from the fixture, rotated to the desired position, and re-installed into the fixture.

The round trim is capable of being rotated 360° in any direction. The square trim is more limited, as it is usually desired to keep all of the edges of the square trim aligned. To meet this intent, the square trim can be rotated in increments of 90°.

Non-Insulation Contact (Non-IC) Housings vs. Insulation Contact (IC) Housings

Non-IC vs IC refers to whether or not the housing is able to be in contact with insulation. This cannot be changed after the fixture is shipped.

Non-IC Housings

Non-IC housings have ventilation slots that cannot be blocked. These housings are used in applications that do not have insulation around the fixture. If there is insulation around the fixture, a fixture with an IC housing MUST be used.

IC Housings

IC housings are able to come in contact with insulation. They have larger enclosures to allow for heat dissipation.

Shallow IC Housings

Shallow IC housings have a reduced lumen output in order to achieve a lower overall height (the product is limited by thermal requirements). By reducing the lumen output, the height of shallow IC housings are smaller compared to standard IC housings. This is perfect for applications where ceiling height is limited (e.g., apartment buildings, guest rooms).
Beam Spread Options

Finiré Prime fixtures have two beam spreads that meet the needs of many applications. The 30° and 65° options are field changeable by purchasing an optics kit. This allows the flexibility to quickly and easily change the beam spread in the field if the original option does not give the desired effect.

30° Spread

The 30° beam spread is typically used in applications that require concentrated lumen output. It can be used in high ceiling applications because it keeps the light concentrated so that it looks like a pool of light on the floor. This option can be seen below and is rendered in a 10 x 10 ft (3 x 3 m) room with a 9 ft (2.75 m) ceiling.

65° Spread

The 65° beam spread is intended for general purpose lighting and flood lighting applications. In these applications, the light needs to be spread out as much as possible to create even distribution of light between the fixtures. This could include low or normal height ceilings or applications where the number of fixtures is limited. This option can be seen below and is rendered in a 10 x 10 ft (3 x 3 m) room with a 9 ft (2.75 m) ceiling.
Wall Wash Lens
The wall wash lens uses a micro prism film in order to pull the light further up the wall and spread it wider than a standard fixture. This is helpful in applications where general wall lighting is desired. To achieve the widest spread possible, Lutron suggests pairing the wall wash lens with a 65° beam spread option. The wall wash lens is part of the optics kits.

Wall Wash Lens Spacing
When using wall wash lenses, it is important to know how far apart to space fixtures. There are some variables that go into determining this, including the beam spread of the fixture as well as the distance from the wall.

Distance From the Wall
The distance from the wall that the fixture should be installed is determined by the desired height of the light on the wall. Moving the fixtures closer to the wall will raise the beam of light; however, more fixtures will be needed to illuminate the wall.

Distance Between Fixtures
Once the distance from the wall is determined, the distance between the fixtures can be determined by analyzing how wide the beam of light should be for each fixture. The beams should blend together and create even, continuous light across the wall.

Lutron suggests modeling your wall wash application in design software to confirm spacing for the specific application. IES and REVIT files can be found at www.lutron.com.

Optics Kits
To allow for further flexibility, optics kits can be ordered. Optics kits contain 6 pieces of wall wash film and 6 reflectors (30° or 65° depending on the kit). The wall wash film and reflectors are easy to install in the field. Model numbers and installation details can be found in the Finiré Prime Spec Submittal and the Optics Kit Installation Instructions at www.lutron.com.
Correlated Color Temperature (CCT)

CCT refers to how warm or cool a particular light source appears. CCT is measured in degrees Kelvin (K). Finiré Prime offers two different options to meet the preference of the end-user.

**2700 K**

2700 K is the warmer option and represents a color temperature roughly equivalent to that of a standard incandescent bulb at high-end. This option is the most popular because the warm feel is what most people are familiar with in residential applications.

**3000 K**

3000 K is a slightly cooler color temperature and is more equivalent to newer high efficiency halogen bulbs. This cooler temperature can be used in specific applications where a cooler, brighter feel is desired (e.g., kitchen, bathroom, back of house space).

Finiré Prime Fixtures With Warm Dimming

Finiré Prime fixtures with warm dimming offers the most incandescent-like experience on the market. Lutron technology provides a smooth, continuous dimming curve down to 1%. 2700 K or 3000 K options allow it to match perfectly with other Lutron fixtures at high-end and it can replace standard incandescent or halogen bulbs. When used with an EcoSystem control, the Soft-on, Fade-to-Black technology gives this fixture a performance similar to an incandescent bulb but with the savings of an LED bulb. See the next page for more information about Soft-on, Fade-to-Black technology. Below is a curve of the 3000 K Finiré Prime fixtures with warm dimming option.

In the graph below shows a graphical representation of the 2700 K and 3000 K Finire Prime with warm dimming options compared to a standard incandescent bulb. For each intensity, the corresponding CCT values of the fixtures are shown.

![Graph showing CCT values for different dimming percentages](image)

**Note:** Adjusting certain system variables (e.g., high-end and low-end trim) will not only affect the intensity of the fixture, but also the maximum and minimum achievable color temperature.
Thick Ceiling Applications

Finiré Prime fixtures include clips for 1/2 to 5/8 in (13 to 16 mm) ceiling material. For applications that have thicker ceiling material, accessory kits are available with thick ceiling brackets that allow the LED/Trim Module to grip the housing despite the thicker material. For model number and quantity information, see Finiré Prime Spec Submittal at www.lutron.com.

EcoSystem vs 2-wire Technology

EcoSystem Technology

Lutron’s EcoSystem control technology is digitally addressable and allows individual control of each fixture regardless of wiring. Selecting the EcoSystem control option for a Finiré fixture allows lighting zones to be easily reconfigured to accommodate changes in a space (e.g., rearranging furniture) without rewiring.

Finiré fixtures have residential FCC compliance options (Part 15B) and EcoSystem technology is available for HomeWorks QS systems via GRAFIK Eye QS units or DIN rail power modules.

2-wire Technology

2-wire technology is Lutron’s traditional dimming technology. Originally designed for incandescent loads, it has been integrated into Lutron LED drivers to provide guaranteed compatibility between Lutron control systems and Lutron drivers. This is accomplished by using the existing 2-wire (hot and neutral) configuration found in most homes. By using the existing wiring, Lutron control solutions can be retrofit into an existing application without installing new wires.

Soft-on, Fade-to-black Technology

Soft-on, Fade-to-Black technology is featured in the LED drivers used for the EcoSystem control option. This technology fades smoothly between 0% and 1% when the fixture is turned on or off and provides an incandescent-like experience. This eliminates the “pop-on” and “pop-off” effect that can be experienced with LEDs as they transition from off to low-end or vice-versa.
Suggested Applications
Finiré Prime fixtures provide a flexible solution that can fit many different spaces and budgets.

General Living Space
Finiré Prime fixtures can be used as the primary recessed lighting fixture for general lighting spaces. They provide Lutron quality dimming and performance for budgets that do not allow for other Finiré solutions.

Multi-Dwelling Units
The Lutron quality, price, and 2-day ship time of Finire Prime fixtures make them perfect for multi-dwelling units (e.g., apartment buildings, hotels). The shallow dimensions of both the IC and non-IC options are perfect for small mechanical spaces that are typical in these applications.

Back-of-House Space
For applications already using Finiré 3” and Finiré 4” fixtures, Finiré Prime fixtures offer the perfect budget option for back-of-house fixtures installed in areas that are not occupied as often (e.g., basements, laundry rooms, guest rooms).
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