



**12399 Color
Selectable Ultra
Thin LED Downlight**



PLT-12399 Color Selectable Ultra Thin LED Downlight Owner's Manual

[Home](#) » [PLT](#) » **PLT-12399 Color Selectable Ultra Thin LED Downlight Owner's Manual** 

Contents

- [1 PLT-12399 Color Selectable Ultra Thin LED Downlight](#)
- [2 Product Usage Instructions](#)
- [3 FAQ](#)
- [4 FEATURES](#)
- [5 APPLICATIONS](#)
- [6 PERFORMANCE SUMMARY](#)
- [7 DIMMER COMPATIBILITY](#)
- [8 DIMENSIONS](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)



PLT-12399 Color Selectable Ultra Thin LED Downlight



Specifications

- **Power Consumption:** 9, 12, 14, 22 Watt
- **Lumens:** 600, 800, 900, 1600
- **Efficacy (LPW):** 64, 67, 73
- **CRI:** 90

- **CCT:** 2700K/3000K/3500K/4000K/5000K
- **Beam Angle:** 90 degrees
- **Life (L70):** 50,000 hours
- **Power Factor:** 0.97
- **Input Voltage:** 120V

Product Usage Instructions

Installation

1. Ensure power to the installation area is switched off before starting.
2. Follow the provided installation instructions carefully.
3. Connect the downlight to the electrical wiring according to the guidelines.
4. Secure the downlight into place using appropriate mounting hardware.

Dimmer Compatibility

This downlight is compatible with various dimmer models from brands like Lutron, Leviton, and Cooper. Refer to the model numbers provided for specific compatibility.

Dimensions

4" Downlight:

- Outside Diameter: 5"
- Inside Diameter: 3.2"
- Height: 0.97"
- Cable Length: 6.5"
- Junction Box Dimensions: 3.5" x 4" x 1.5"

6" Downlight:

- Outside Diameter: 6.9"
- Inside Diameter: 5"
- Height: 1.04"
- Cable Length: 6.30"
- Junction Box Dimensions: 3.54" x 4.17" x 1.30"

8" Downlight:

- Outside Diameter: 9.1"
- Inside Diameter: 6.8"
- Height: 0.94"
- Cable Length: 6.5"
- Junction Box Dimensions: 3.5" x 4" x 1.5"

FAQ

Q: Is the downlight suitable for damp locations?

A: Yes, the downlight is rated for use in damp locations.

Q: What is the average lifespan of the downlight?

A: The downlight has a lifespan of approximately 50,000 hours.

Q: Can the downlight be dimmed?

A: Yes, the downlight is dimmable and compatible with specified dimmer models.

DESCRIPTION

Add downlights as part of new construction or renovation projects with these easy to install ultra-thin LED downlights featuring 5 selectable color temperatures.

FEATURES

- Energy efficient replacement for 60W, 75W, and 100W incandescents
- High color rendering index (CRI) of 90 makes color appear more naturally
- Comes with remote junction box that allows for installation around obstructions
- IC Rated and air-tight
- Dimmable; see Compatible Dimmers section for full list of compatible dimmers
- Color temperature can be adjusted via switch on back of fixture; see installation instructions for more information

LISTINGS

- ETL Listed for damp locations
- IC Rated
- RoHS
- JA8
- Energy Star

PERFORMANCE

- CRI: 90
- CCT: 2700K, 3000K, 3500K, 4000K, and 5000K
- Rated Lifetime L70: 50,000 hours

ELECTRICAL

- Power Factor: >0.9
- Input Voltage: 120V
- Surge Protection: 2.5kV

THERMAL

- -4°F to 104°F (-20°C to 40°C) operating temperature CONSTRUCTION
- Aluminum body with aluminum trim, both with white finish
- White translucent acrylic lens

WARRANTY

- 5-year limited warranty; see pltsolutions.com for warranty details

APPLICATIONS

- Offices
- Lobbies
- Conference Rooms
- Living Rooms
- Hallways
- Bathrooms
- Laundry Rooms

PERFORMANCE

PERFORMANCE	Power Consumption	9, 12, 14, 22 Watt
	Lumens	600, 800, 900, 1600
	Efficacy (LPW)	64, 67, 73
	CRI	90
	CCT	2700K, 3000K, 3500K, 4000K, 5000K
	Beam Angle	110°
	Life (L70)	50,000
ELECTRICAL	Power Factor	>0.9
	Input Voltage	120V
CONSTRUCTION	Finish	White
	Lens	Frosted
LISTINGS	Certifications	ETL Listed; JA8; Energy Star
	Material Usage	RoHS – No mercury or lead
	Environment	Damp Location Rated

PERFORMANCE SUMMARY

Item #	Size	Lumens	Wattage	LPW	Voltage	Replaces	CCT	CRI	Life/ Hours	Dimmable
PLT-12399	4"	600	9	67	120V	60W Incan.	2700K/ 3000K/ 3500K/ 4000K/ 5000K	90	50,000	Yes
PLT-12404	4"	800	12	67	120V	75W Incan.	2700K/ 3000K/ 3500K/ 4000K/ 5000K	90	50,000	Yes
PLT-12405	6"	900	14	64	120V	75W Incan.	2700K/ 3000K/ 3500K/ 4000K/ 5000K	90	50,000	Yes
PLT-12406	8"	1600	22	73	120V	100W Incan.	2700K/ 3000K/ 3500K/ 4000K/ 5000K	90	50,000	Yes

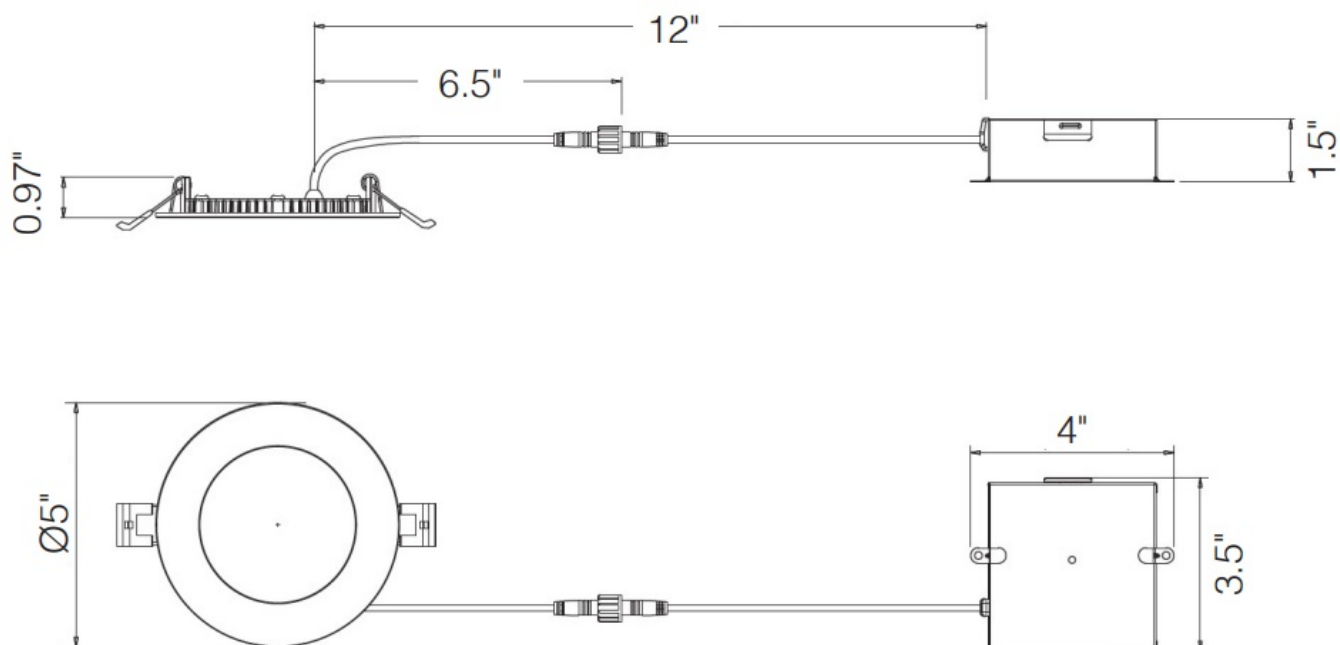
DIMMER COMPATIBILITY

Brand	Model #
Lutron	PD-6WCL
Lutron	DVCL-153P
Lutron	SFTU-5A3P
Lutron	DMD-LE3-D
Lutron	CTCL-153P
Lutron	DV-600P
Leviton	6621
Leviton	6672
Leviton	IPL06-10Z
Cooper	SI06P

DIMENSIONS

4" DIMENSIONS:

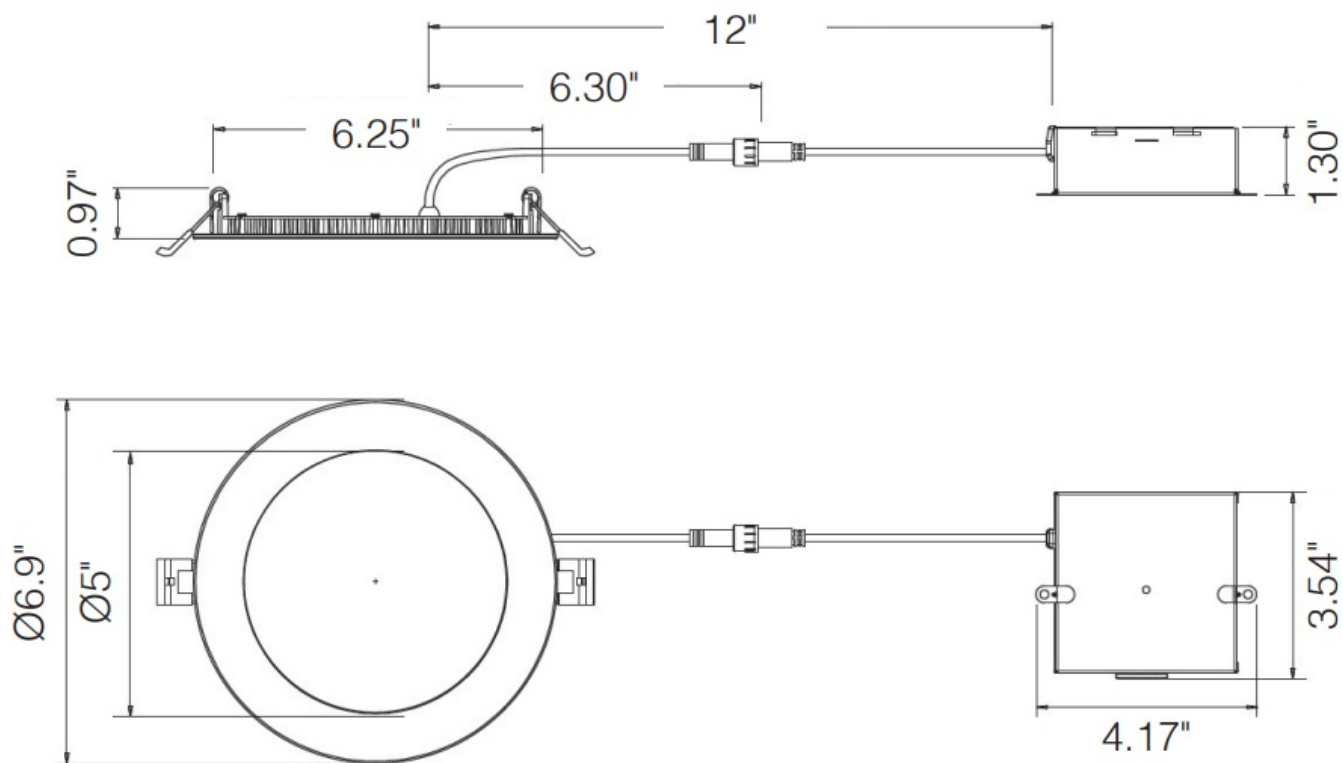
- Outside Diameter: 5"
- Inside Diameter: 3.2"
- Height: 0.97"
- Cable Length (downlight half): 6.5"
- Weight: 0.72 lbs
- Junction Box Length: 3.5"
- Junction Box Width: 4"
- Junction Box Height: 1.5"
- Combined Cable Length: 12"



CUT OUT: Ø 4.25"

6" DIMENSIONS:

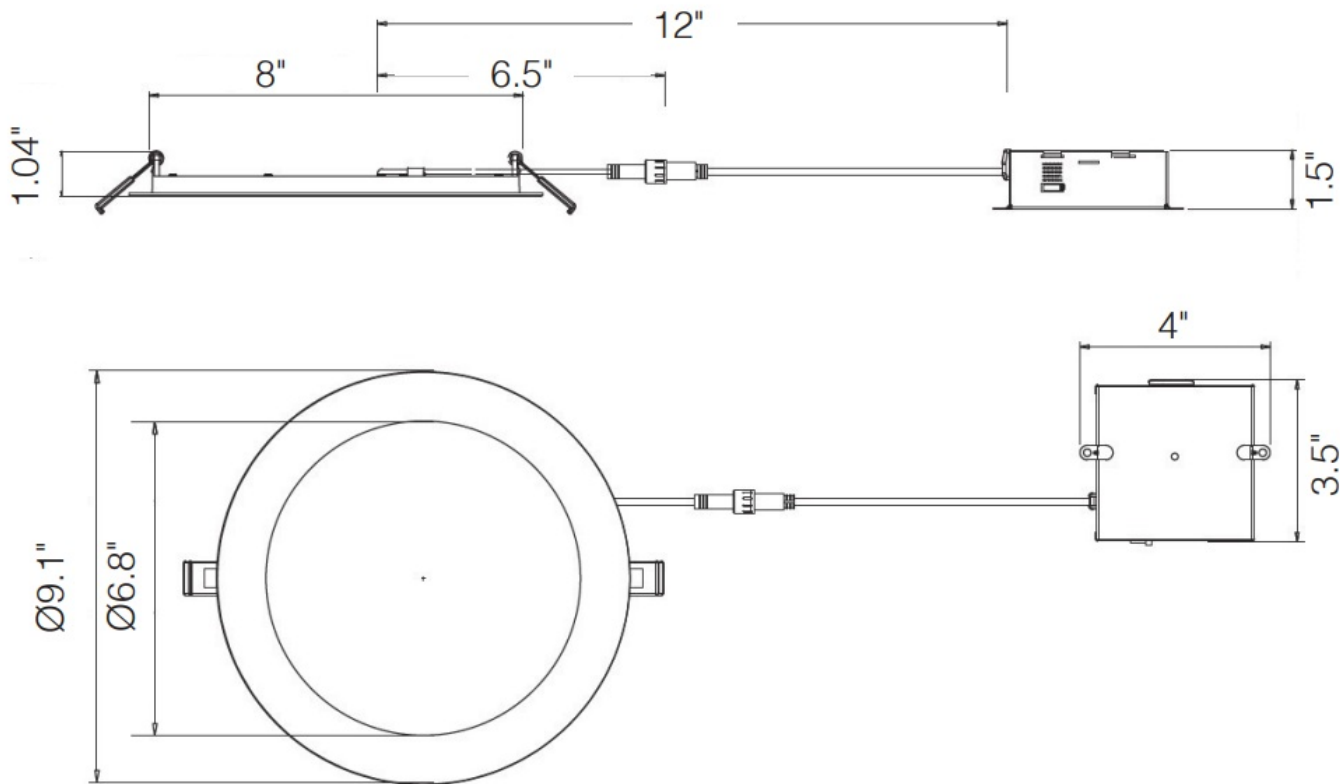
- Outside Diameter: 6.9"
- Inside Diameter: 5"
- Height: 1.04"
- Cable Length (downlight half): 6.30"
- Weight: 0.86 lbs
- Junction Box Length: 3.54"
- Junction Box Width: 4.17"
- Junction Box Height: 1.30"
- Combined Cable Length: 12"



CUT OUT: Ø 6.25"

8" DIMENSIONS:

- Outside Diameter: 9.1"
- Inside Diameter: 6.8"
- Height: 0.94"
- Cable Length (downlight half): 6.5"
- Weight: 1.25 lbs
- Junction Box Length: 3.5"
- Junction Box Width: 4"
- Junction Box Height: 1.5"
- Combined Cable Length: 12"



CUT OUT: Ø 8.25"

WARNINGS

- Only use this LED downlight with the dimmers listed in the compatibility list.
Using this downlight with incompatible dimmers may cause performance issues including humming, buzzing, flickering, and poor dimming performance.
- Cutout size requirements: 4"–4.25"; 6"–6.25"; 8"–8.25"

project name	type
catalog number	
comments	voltage
approved by	date



RoHS 
Compliant



JA8

[972-535-0926](tel:972-535-0926) | PLTSOLUTIONS.COM | ver 081324

Documents / Resources



[PLT PLT-12399 Color Selectable Ultra Thin LED Downlight](#) [pdf] Owner's Manual
PLT-12399, PLT-12404, PLT-12405, PLT-12406, PLT-12399 Color Selectable Ultra Thin LED Downlight, PLT-12399, Color Selectable Ultra Thin LED Downlight, Selectable Ultra Thin LED Downlight, Ultra Thin LED Downlight, Thin LED Downlight, LED Downlight, Downlight

References

- [PLT](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.