PASS & SEYMOUR®

radiant® LED Advanced Dimmer LED: 150W (1.25A)

RHL153PW

Advanced dimming for flicker-free control of LED bulbs & fixtures.

RHL153P

Upgrade your space with Legrand's newest LED dimmer switch in the radiant® Collection. Designed specifically for flicker-free control of today's dimmable LED light bulbs and fixtures (except 0-10V LED drivers), this dimmer features advanced circuitry to offer a superior lighting control experience that works right out of the box. The dimmer switch boasts a variety of user adjustments for maximum compatibility with a wide range of dimmable LEDs, eliminating unpleasant flickering, pop-ons and more. High- and low-end calibration capabilities provide optimization to meet any lighting preference and ensure a full range of dimming.

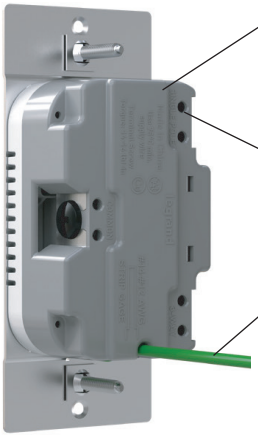
Features & Benefits

QR Code on Front Face
Easy access to installation and user adjustment assistance

Easy-to-Push Cal Button
Dimming optimization with no tools needed (dim range, burst mode, reset)

Burst Mode
Activated as needed to re duce delays and pop-ons

Simplified Dimming Range Adjustment
Use slider (while holding cal) to optimize min/max dim levels, eliminate flicker



Eco-Friendly Design
Reduced weight, component count, material usage, depth into box

Back-Wire Screw and Pressure
Plate terminations for easy and reliable wiring

Ground Wire Lead
Provided with wire nut for quick connection to ground

- **Preset, single-pole & 3-way operation**
- **No neutral required** to work in any age home
- **Advanced dimming technology** optimized for LED control to work out of the box
- **Wide range of compatibility** with dimmable LED bulbs and fixtures
- **Control up to 150W** of forward phase dimmable LED/CFL/INC load types (excludes 0-10V drivers)
- **Calibration button** allows low- and high-end adjustment to maximize dimming range while cutting out any flicker if present
- **Burst mode** setting can be activated to help reduce or eliminate turn on delays & pop-ons
- **QR code on front face** for easy access to installation and optimization videos
- **Constant memory** returns lights and dimmer settings to previous settings after power failure
- **Replace any basic switch** in 15 minutes or less (single-pole or 3-way)
- **Overcurrent protection** prevents damage to dimmer if loaded over 150W max. rating
- **Matching appearance** with other radiant® devices

Compliance

**Note: certain LED loads/models are only intended to be dimmed to 5-10% brightness levels.*
**Only bulbs/fixtures marked as dimmable may be used.*

c UL us LISTED cULus Listed (E95219), UL1472, CSA C22.2 No. 184.1-95
NEMA SSL-7A, Conforms to NEMA WD-1 & WD-6
California Title 24 Compliant, RoHS compliant

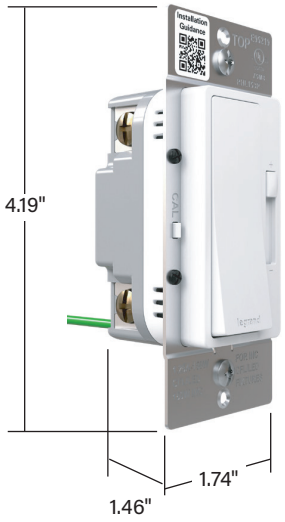
Technical Information

Performance	
Electrical	
Supply Voltage	120VAC
Output Voltage	120VAC
Maximum Rated Load	150W (1.25A) LED/CFL/INC
Frequency	60Hz
Phase Control	Forward
Installation	Single Pole or 3-Way
Neutral Required	No

Mechanical	
Terminal Accommodation	#12 - #14 AWG solid & stranded
Termination Method	Back-Wire, Screw & Pressure Plate
Screw Torque Requirement	14-16 lbf-in
Unit Weight	.194 lbs
Wall Plate Size	NEMA 26-opening
Depth into Wall Box	1.13"

Environmental	
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Flammability	UL94 V2
Application	Indoor Use Only
RoHS Compliant	Yes
Prop65 Warning	No
Country of Origin	China

Materials	
Paddle/Face	Polycarbonate
Body	Polycarbonate
Terminal Contacts	Tin Plated Brass
Mounting Strap	Zinc Coated Cold-Rolled Steel .040"
Terminal Screws	#8 Tri-Drive Plated Steel
Ground Screw	Wire Lead #18 AWG
Mounting Screws	#6 Tri-Drive Steel



Depth (Into Wallbox) = 1.13"
RHL153PW

radiant® LED Advanced Dimmers Ordering Information

Catalog Number	Description	Color	Voltage	Rating	UPC
RHL153PW	Preset, 1P/3W	White	120VAC, 60Hz	50W LED 150W CFL/INC	78500744285
RHL153PLA	Preset, 1P/3W	Light Almond	120VAC, 60Hz	50W LED 150W CFL/INC	78500744286
RHL153PI	Preset, 1P/3W	Ivory	120VAC, 60Hz	50W LED 150W CFL/INC	78500744287
RHL153PBK	Preset, 1P/3W	Black	120VAC, 60Hz	50W LED 150W CFL/INC	78500744288
RHL153PGRY	Preset, 1P/3W	Gray	120VAC, 60Hz	50W LED 150W CFL/INC	78500744289
RHL153P	Preset, 1P/3W	Brown	120VAC, 60Hz	50W LED 150W CFL/INC	78500744290
RHL153PRED	Preset, 1P/3W	Red	120VAC, 60Hz	150W LED 150W CFL/INC	78500744291
RHL153PNI	Preset, 1P/3W	Nickel	120VAC, 60Hz	50W LED 150W CFL/INC	78500744292
RHL153PDB	Preset, 1P/3W	Dark Bronze	120VAC, 60Hz	50W LED 150W CFL/INC	78500744293
RHL153PG	Preset, 1P/3W	Graphite	120VAC, 60Hz	50W LED 150W CFL/INC	78500744294
RHL153PW10PK	Preset, 1P/3W (10 Pack)	White	120VAC, 60Hz	50W LED 150W CFL/INC	78500744295
RHL153PWPW	Preset, 1P/3W (With Wall Plate)	White	120VAC, 60Hz	50W LED 150W CFL/INC	78500744296

Guide Specifications

Single Pole/3-Way LED Advanced Dimmers: radiant® Part No. RHL153P[W][LA][I][BK][GRY][RED][NI][DB][G]; preset single pole and 3-way operation; 120 VAC, 60Hz; rating: 1.25A, 150W LED, CFL, Incandescent; controls up to 150W of forward phase dimmable LED, CFL, incandescent loads; advanced dimming technology for wide range of LED compatibility; easy to push calibration button adjusts low- and high-end of dimming range while cutting out any flicker; burst mode setting reduces or eliminates turn on delays and pop-ons; front face QR code permits easy access to installation and optimization guidance; constant memory returns dimmer and lights to previous level after a power failure; polycarbonate paddle/face and body; brass contacts; steel mounting strap; wiring terminals accept #12 - #14 AWG solid and stranded wire; color: [white] [light almond] [ivory] [black] [gray] [brown] [red] [nickel] [dark bronze] [graphite].

Vertical Markets

- **Residential**
- **Light Commercial**
- **Multiple Dwelling**
- **Restaurants**
- **Hospitality/Lodging**
- **Office/Education**

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