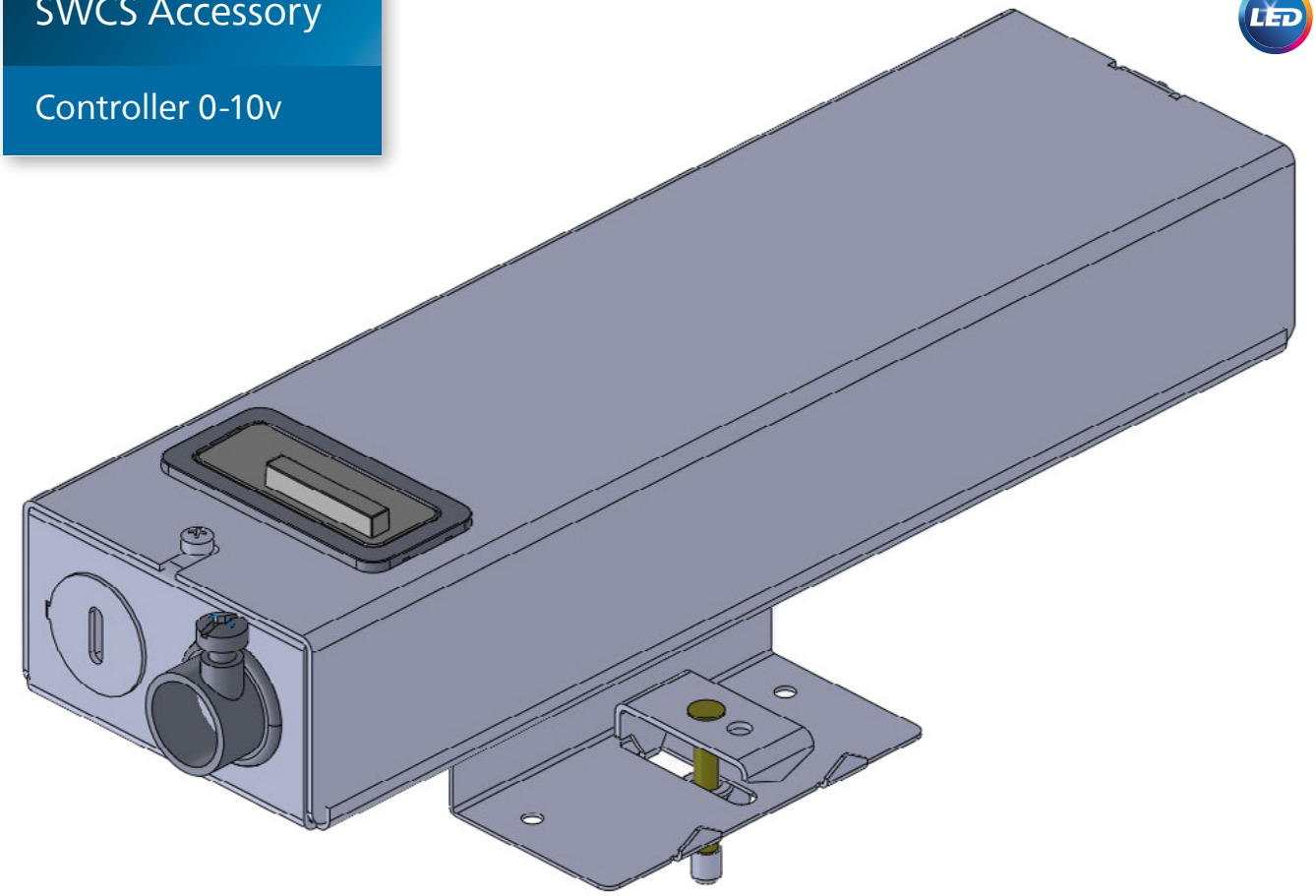
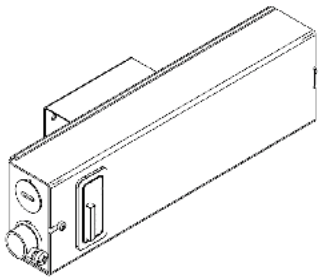
PHILIPS

SWCS Accessory

Controller 0-10v

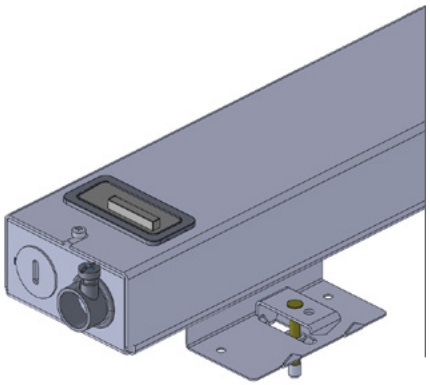


SWCS Accessory
RADIO & Sensing



Wireless Load Controller with 0-10V that supports switching, dimming, energy metering, and wireless connectivity to other Interact ready devices. Available in integral and remote Interact device orientations, and recessed or surface mounted configurations.

SWCS Accessory RADIO & Sensing



Ordering guide

example: SWCS-RADIO-R-R

Series	Control Device		Device Orientation	Device Mounting
SWCS –	[ ] –		[ ] –	[ ]
SWCS Interact Pro Scalable Accessory	**RADIO**	Interact Pro RF sensor, enables wireless connected lighting control	**I** Integral	**R** Recessed
			R Remote	**R** Recessed **S** Surface
	SNSR	Interact Pro scalable sensor with integral daylight & occupancy sensing, advanced grouping with dwell time	**R** Remote	**R** Recessed **S** Surface

Overview

- Load switching with zero-crossing technology for up to 1270W
- Load control via 0-10V control output
- Linear dimming curve matches standard Philips Advance Xitanium drivers
- Wireless Zigbee and Bluetooth radio for compatibility with Interact
- Fast setup and configuration through the Interact application
- Plenum rated housing for connection to junction box
- Energy metering and reporting, accessible upon installing a compatible gateway
- Versatile mounting bracket may be attached directly to suspended t-bar or ceiling joists for new construction (may be removed for retrofit applications)
- Available with both RADIO transceiver and discrete sensing options

Applications

The Philips SWCS accessory is designed for the Interact lighting system to control loads with the full range of Philips Advance Xitanium 0-10V dimming drivers. Primary use cases are:

1) For switching light loads up to 1270 Watt.

2) For use with multiple 0-10V drivers where per-fixture control is either not desired or not practical. In such application, the SWCS accessory aggregates all drivers and controls and monitors them as one group.

Benefits

- Wireless communication with Interact
- Easily configure your lighting groups and zones to adapt to your room layouts
- Lower installation cost and eliminate the wiring between the dimming switch and the controller

Configurations

Interact device may be installed integrally (RADIO only) or remote from the bridge

Remote device orientations available in both recessed and surface mounted configurations

Ordering Information

Catalog Code	Description	MOQ	Ordering No.
SWCS-RADIO-I-R	Remote Box, integral /recessed RADIO	1	912300004004
SWCS-RADIO-R-R	Remote Box, remote /recessed RADIO	1	912300004005
SWCS-RADIO-R-S	Remote Box, remote /surface RADIO	1	912300004006
SWCS-SNSR-R-S	Remote Box, remote /surface sensor	1	912300003791
SWCS-SNSR-R-R	Remote Box, remote /recessed sensor	1	912300004007

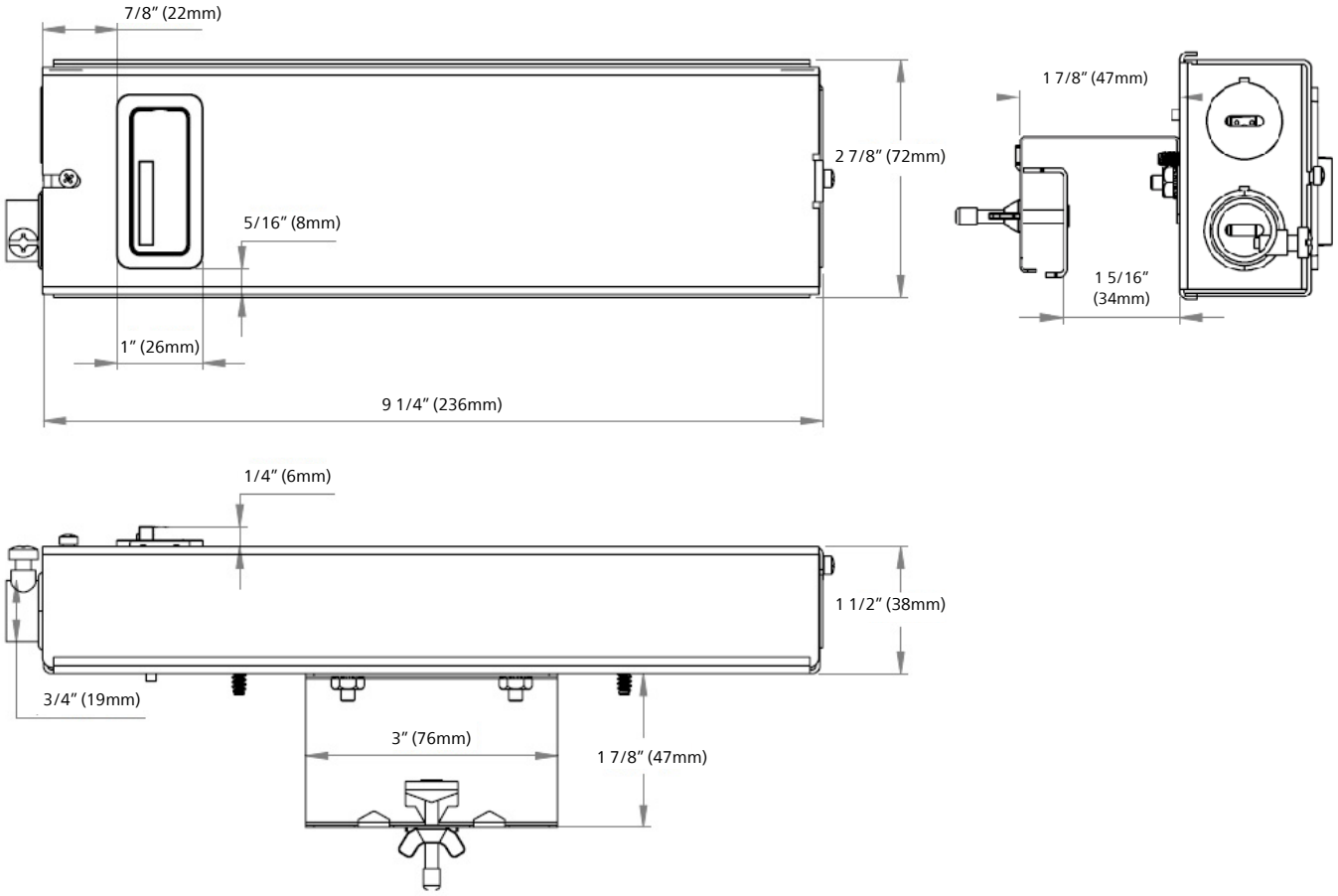
Specifications

Input Voltage (VAC)	Max. Power (VA)	Max. Current (A)	Max. Losses (W)	Max. Case Temp (°C)	Surge Protection Common/Diff (KV)
120	730	6.1	1.0	70	2.5
208	1270	6.1			
240	1270	5.3			
277	1270	4.6			
347	1280	3.7			

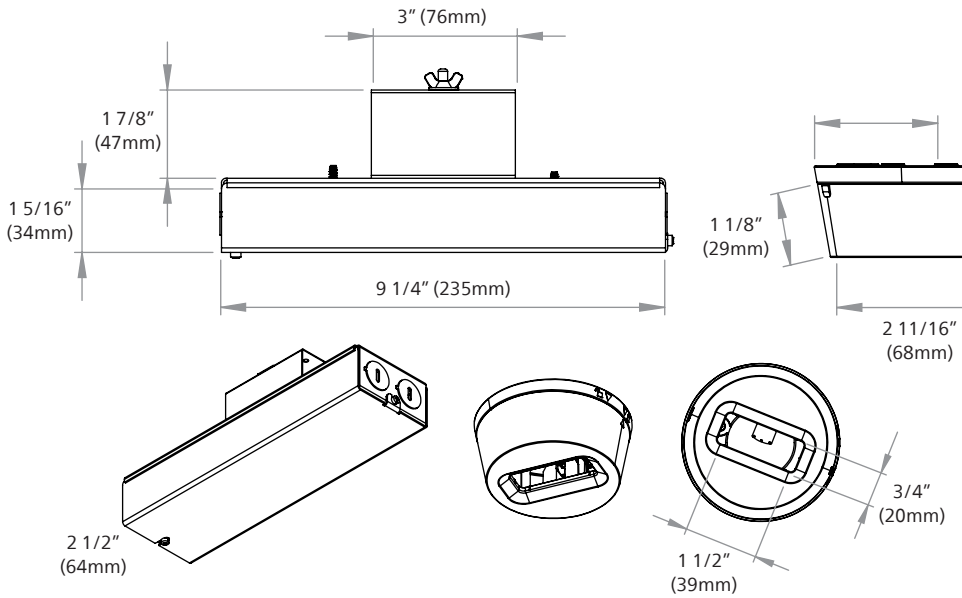
Number of connected drivers per SWCS Accessory

Driver		Input Voltage	Driver Quantity
Downlight	13W	120	32
		277	40
	25W	120	17
		277	30
	36W	120	12
		277	22
	50W	120	8
		277	15
	75W	120	5
		277	10
Linear	20W	120	20
		277	36
		347	36
	40W	120	11
		277	19
		347	19
	54W	120	8
		277	14
		347	15
	75W	120	5
		277	10
		347	10
	95W	120	4
		277	8
		347	8

Dimensions SWCS Integral (I) Configurations

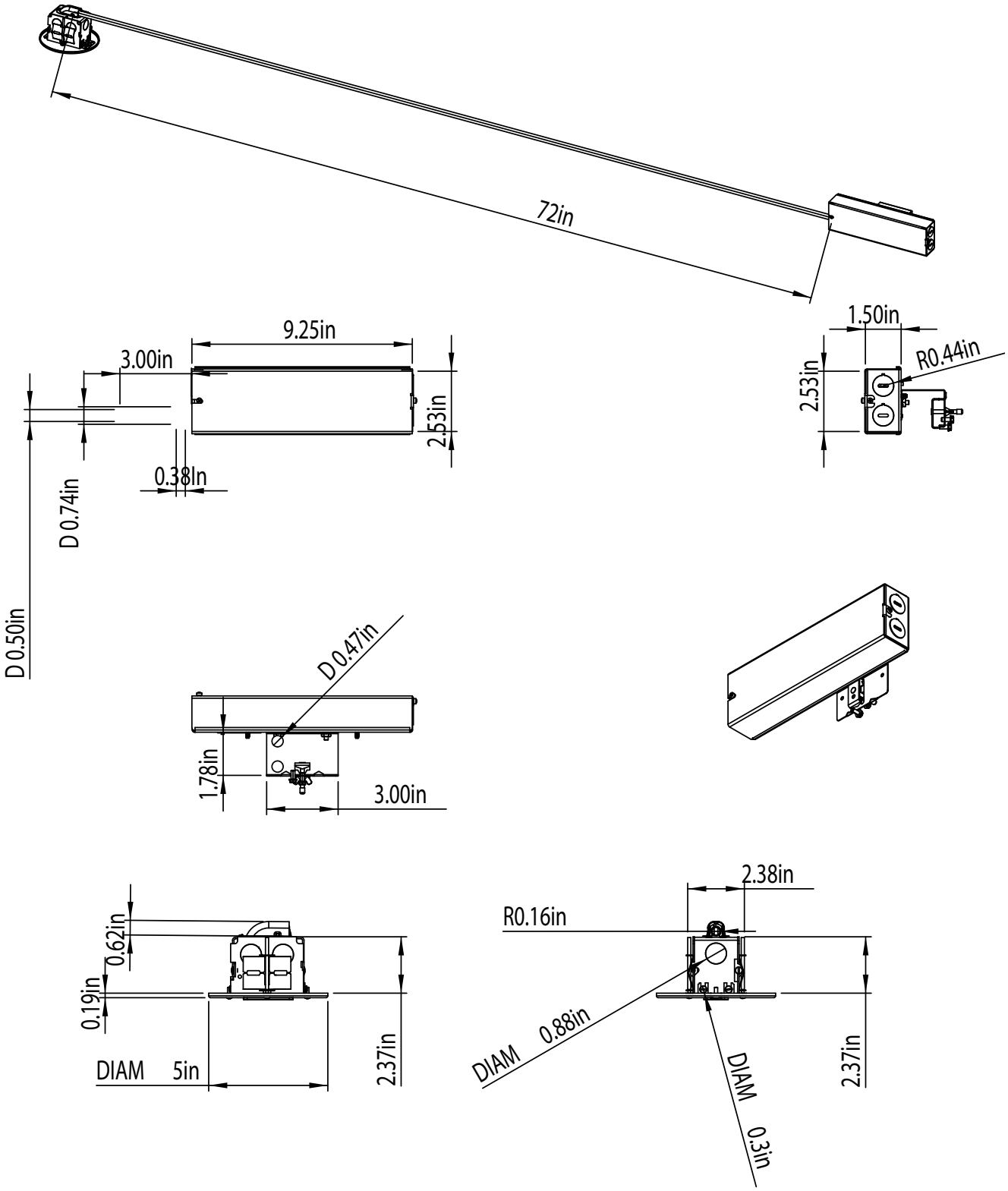


Dimensions SWCS Integral Remote (R), Surface (S) Configurations

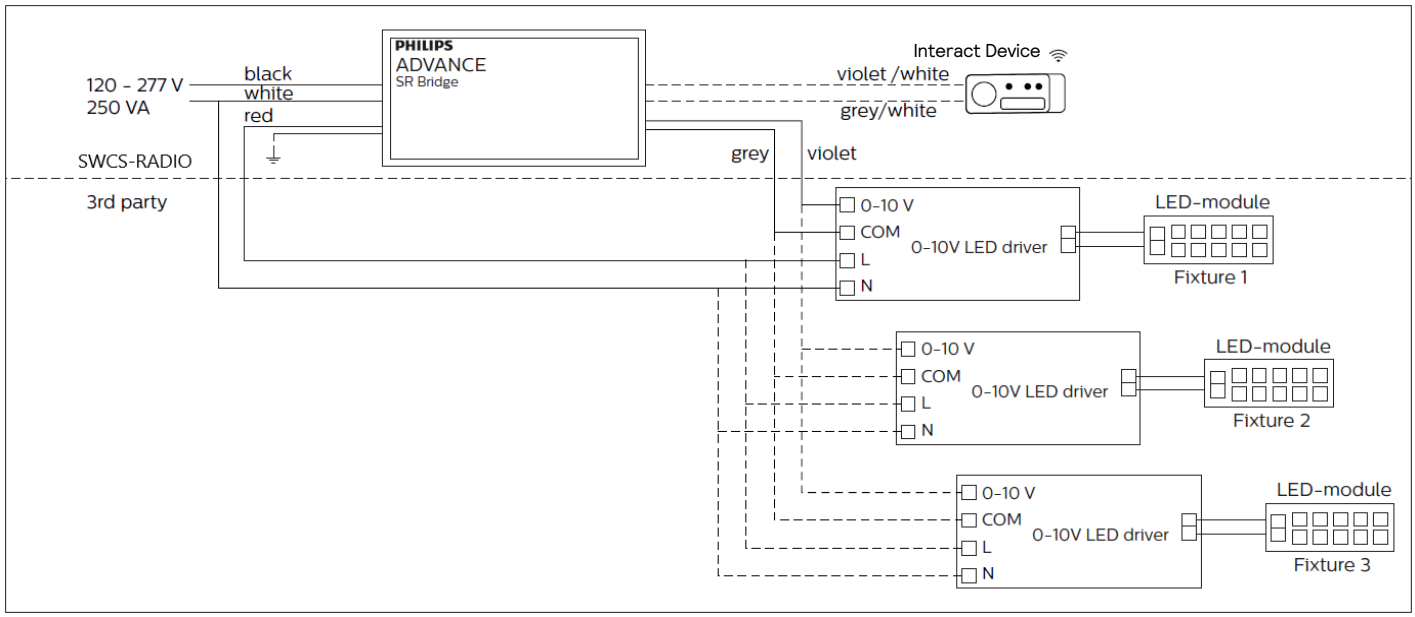


Interact controller box and mounting assembly connected via 60" (1524mm) low voltage plenum rated wire

Dimensions SWCS Integral Remote (R), Recessed (R) Configurations



Wiring Diagram



Lighting Surge Info

ANSI Surge Type	Differential Mode (L-N)	Common Mode (L-D, N-G, L&N-G)
100kHz Combination Wave (w/t 30Ω)	> 2.5 kV	> 2.5 kV

Isolation

Isolation	Line In	Ground	SR	0-10V	Line Out
Line In	NA	2xU+1kv	2.5kv	2.5kv	Not Isolated
Ground	2xU+1kv	NA	2xU+1kv	2xU+1kv	2xU+1kv
SR	2.5kv	2.5kv	NA	Not Isolated	2.5kv
0-10V	2.5kv	2.5kv	Not Isolated	NA	2.5kv
Line Out	Not Isolated	2xU+1kv	2.5kv	2.5kv	NA

Product Data

Input and Output Information	
Inrush current	Per NEMA 410, for max. number of drivers listed
Line voltage (AC operation)	120-347VAC, +/-10%
Line current, max. load line	6.1A @ 120V, 6.1A @ 208V, 5.3A @ 240V, 4.6A @ 277V, 3.7A@ 347V
Frequency	50/60Hz
Features	
Life @ 70°C	50,000 hrs (nom)
Ambient temp range	-20°C to +60°C
Wireless communication frequency	2.4 Ghz
Field configuration	via BLE, parameters set via Interact commissioning app
Power reporting accuracy	±0.9W/±4%
Dimming profile	Linear (default 1 – 8V); Programmable
Lead wires	18AWG solid conductor, 8 inches
Weight	
Environment & Approbation	
Agency approbations	UL916, UL2043 (pending), CSA (C22.2 No. 250)
Audible noise	26dB typ. not including start-up; 46dB typ. at start-up
EMC (electromagnetic compliance)	Meets FCC 47 Part 15 Class A
Environmental protection rating	UL Dry & Damp
EMC emission	FCC Part 15 - Subpart B ANSI C63.4-2014
EMC immunity	FCC Part 15 - Subpart B

For more information on Philips' limited warranty please visit www.signify.com/warranties.

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