

SHL Series

The CHALLENGER™ SHL

Wireless Control Linear LED Lighting

by **RCA** COMMERCIAL ELECTRONICS



SOLAS RAY™ LIGHTING

5935 West 84th St. | Indianapolis, IN 46278 | 1-800-840-5635 | www.SolasRay.com

Cat. #	Type
Notes	

CERTIFICATIONS / RATINGS



KEY FEATURES AND BENEFITS

- Available in 4' and 8' lengths.
- 180° asymmetric beam angle.
- DLC 5.1 Premium listed.
- Precision angled LED arrays establish exact light distribution.
- Plug-and-play ZigBee enabled lighting controls.
- Optional multi-sensor - requires harness on SH and SHL models.
- Diffused polycarbonate lenses eliminate glare and hot spots.
- Lightweight and installer friendly - quick access channel for end-to-end wiring.
- Extruded aluminum housing.
- Low profile fixture body expands mounting possibilities.
- Black end caps - color coded for quick visual identification.
- Lead free.
- Trade Agreement Act Compliant.



SPECIFICATIONS

Voltage	120- 277VAC
Wattage	67W (4' models) / 100W (8' models)
Color Temp	5000 Kelvin standard (4000K/3500K special order)
Housing	Extruded aluminum alloy
Color	White with black end-caps
Lens	Polycarbonate
Lifetime	50,000 hrs L80
CRI	Ra ≥ 80
Beam Angle	180°
Power Factor	cos ≥ 0.9

Efficacy (4' models)	152 lm/W
Efficacy (8' models)	154 lm/W
Ambient Temperature	-10°C (14°F) to 40°C (104°F)
Warranty	5 Year Limited Warranty

LUMENS

Color Temp	67W (4ft)	100W (8ft)
5000K	10,178 lm	15,373 lm
4000K*	10,083 lm	15,650 lm
3500K*	9,988 lm	15,250 lm

* 4000K / 3500K special order, consult factory for lead times and minimums.

PRODUCT ORDERING SELECTION

<input type="checkbox"/> SHL4B2432SU - 4FT	<input type="checkbox"/> 50 - 5000K (Standard)	<input type="checkbox"/> LS-BRK - Multi-Sensor Harness - Required When Using MULTI-SENSOR-LS or DONGLE-VLC
<input type="checkbox"/> SHL8B3432SU - 8FT	<input type="checkbox"/> 40 - 4000K Special order, consult factory for lead times and order minimums.	<input type="checkbox"/> MULTI-SENSOR-LS - Occupancy Sensor / Wireless Control
		<input type="checkbox"/> DONGLE-VLC - Wireless Communication Module
		<input type="checkbox"/> EM-L2554-XX - Emergency Battery Backup

SHL Series

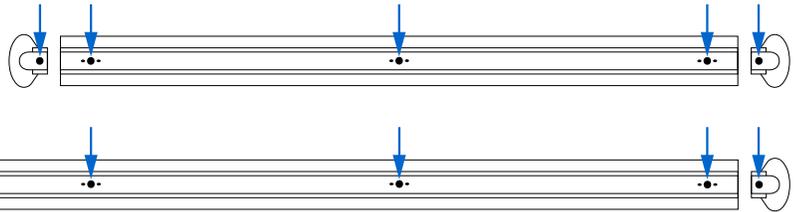
The CHALLENGER™ SHL

MOUNTING OPTIONS



Knockout and mounting hole locations

All Challenger system lights feature knockout and mounting hole sets less than 24" apart along the top of the fixture housing. End-caps also feature a knockout on both ends.



WIRELESS CONTROLS / OCCUPANCY SENSOR

Multi-Sensor



The multi-sensor is an optional add-on that functions as:

1. a stand-alone occupancy sensor with tactile programming buttons for min/max levels and motion detection.
2. a wireless communication module for use with the sensor connect app on a ZigBee mesh network.

ST and SD series are multi-sensor ready. SH and SHL series require a wired harness.

P/N: MULTI-SENSOR-LS

Wireless Communication Module

The wireless communication module is an optional add-on that:

1. allows multiple lights to be controlled by one multi-sensor.
2. adds wireless controls to any Challenger fixture so for use with the sensor connect app on a ZigBee mesh network

P/N: DONGLE-VLC



Sensor Connect App



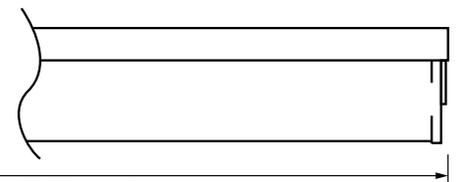
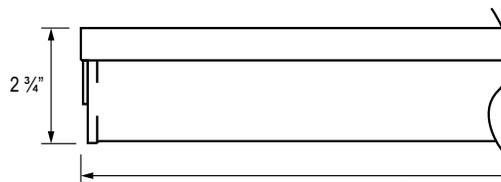
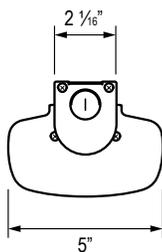
A free app that allows control and commissioning of ZigBee connected devices.

Android only.

WEIGHTS AND DIMENSIONS

WEIGHTS

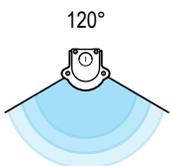
4ft Models	5.73 lb
8ft Models	11.6 lb



47 1/4" (4ft models) / 94 1/2" (8ft models)

THE CHALLENGER LINEAR LIGHT SYSTEM

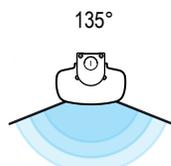
ST Series



120°

Standard beam pattern
White end-caps
Multi-sensor wiring harness included

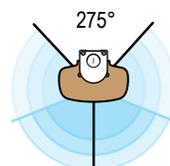
SD Series



135°

Wide beam pattern
White end-caps
Multi-sensor wiring harness included

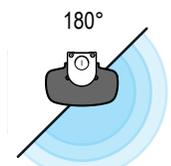
SH Series



275°

Wide beam pattern + uplight
Brown end-caps
Multi-sensor wiring harness **optional**

SHL Series



180°

asymmetric beam pattern
Black end-caps
Multi-sensor wiring harness **optional**