

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 v5.1 standard.
- 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

Series/Length		Kelvin		Options	
<input type="checkbox"/> SHL4B2432SU - 4FT	<input type="checkbox"/> SHL8B3432SU - 8FT	<input type="checkbox"/> 50 - 5000K (Standard)	<input type="checkbox"/> 40 - 4000K Special order, consult factory for lead times and order minimums.	<input type="checkbox"/> LS-BRK - Multi-Sensor Harness - Required When Using MULTI-SENSOR-LS or DONGLE-VLC	<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

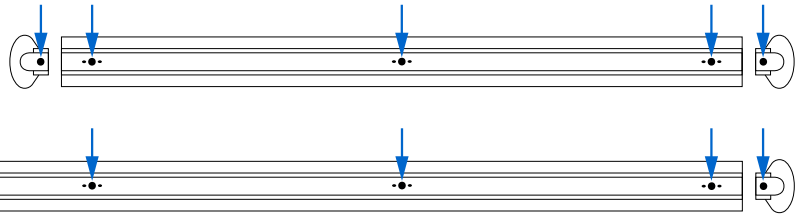
The CHALLENGER™ SHL

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

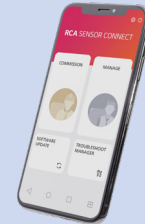
The wireless communication module is an optional add-on that:

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



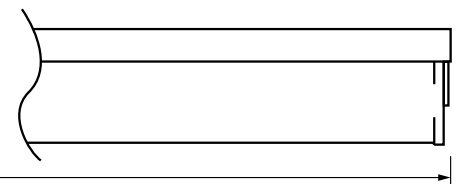
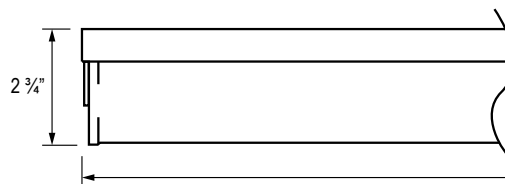
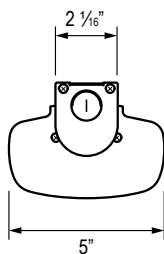
A free app that allows control and commissioning of ZigBee connected devices.

Android only.

WEIGHTS AND DIMENSIONS

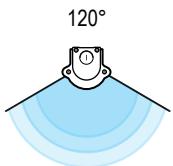
WEIGHTS

4ft Models	5.73 lb
8ft Models	11.6 lb



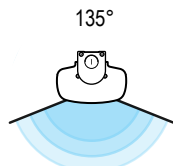
THE CHALLENGER LINEAR LIGHT SYSTEM

ST Series



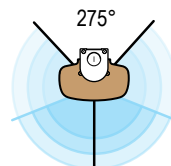
Standard beam pattern
White end-caps
Multi-sensor wiring harness included

SD Series



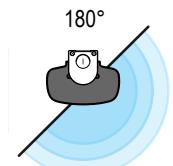
Wide beam pattern
White end-caps
Multi-sensor wiring harness included

SH Series



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

SHL Series



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