

DESCRIPTION

The SkyRidge™ transforms ambient lighting by perfectly blending a refined modern styling with our breakthrough WaveStream™ LED technology to deliver exceptional performance and superior energy savings. SkyRidge's advanced engineered LED system with superior optical design delivers an unparalleled combination of optimal light uniformity and exceptional efficiency for greater energy savings.

SkyRidge is compatible with all of today's popular ceiling systems and available in a variety of configurations for application versatility. Its perfect balance of form and function make it an ideal choice for commercial office spaces, schools, hospitals, retail and other indoor ambient applications.

SPECIFICATION FEATURES

Construction

Shallow 4.69" deep housing is extruded aluminum frame and injected molded composite end plates. End plates are securely attached with screws for strength and rigidity and the elimination of gaps. End plates have accessory grid-lock feature for safety and convenience. Four auxiliary fixture end suspension points are provided. Large access plate for supply connection.

Controls

The SkyRidge LED is Powered by Fifth Light, with a standard 0-10V continuous dimming driver that works with any 0-10V control/dimmer. Combine with energy saving products like occupancy sensors, daylighting controls and lighting relay panels to maximize energy savings. In addition, the SkyRidge can include a factory-installed integrated sensor system for occupancy and daylight dimming control and manual control from an optional handheld remote. Or, specify the Digital Addressable Lighting Interface (DALI) drivers, dimmable down to 1% with the HD option, for use with Fifth Light controls. See ordering information for details on all three options.

Electrical

Long-life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K, 4000K or 5000K with a typical CRI ≥ 85. Projected life is 100,000 hours at 92% lumen output. Electronic drivers are available for 120-277V applications.

Emergency Battery Pack Option

Optional 120v-277v integral emergency battery pack is available in 7-watts or 14-watts to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code-compliance. A test switch/indicator button can be tested safely from the ground using a laser pointer, while the patented EZ Key prevents accidental discharge of the battery during construction. See ordering information for details.

Driver Access

Drivers can be accessed via plenum.

Finish

Durable frame has high reflectance baked matte white enamel finish for luminous uniformity.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Optics

Precision formed optical assembly with positively retained high optical grade acrylic lens provides a directed optical distribution using WaveStream LED technology.

SkyTrim Accessory

Designed for an array of interior applications, SkyTrim is a luminous decorative accent that can be mounted directly on the light guide of a SkyRidge fixture either at the factory or in the field. It is ideal for spaces where color is necessary to provide visual cues, emphasize brand identity, directional awareness or simply as an artistic expression.

Compliance

Components are UL recognized. Indoor luminaires are cULus listed for 25° C ambient environments, RoHS compliant, and comply with IESNA LM-79. LEDs comply with LM-80 standards. DesignLights Consortium™ Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

Warranty

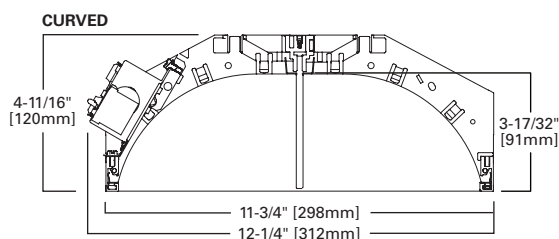
Five year warranty.



**14SR
LED**

**1' X 4' TROFFER
LED MODULE**

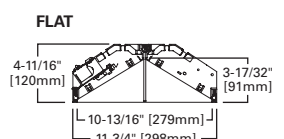
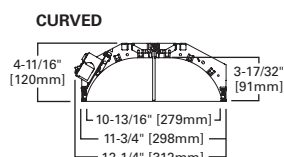
Specification Grade Troffer



MOUNTING DATA



LAMP CONFIGURATIONS



CERTIFICATION DATA

cULus - 1598 and 2043**
 Damp Location Listed
 IC Rated
 LM79/LM80 Compliant
 ROHS Compliant
 DesignLights Consortium™ Qualified

*See Drywall Frame Kit Accessory in Ordering Information section.

**Fixture construction is suitable for use in Air-handling and plenum rated spaces in accordance with Section 300.22 (C) of the National Electrical Code, Section 4.3.11.2.6.5 of NFPA 90A and Section 602.2.1.4 of ICC.

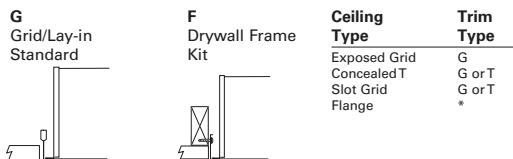
LINEAR DISCONNECT

Safe and convenient means of disconnecting power

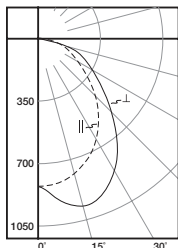


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CEILING COMPATIBILITY



PHOTOMETRICS



14SR-LD2-25-C-UNV-L835-CD1-U

Electronic Driver
Linear LED 3500K
Spacing criterion: (H) 1.2 x mounting height, (L) 1.4 x mounting height
Lumens: 2510
Input Watts: 20.0W
Efficacy: 125.5 lm/W
Test Report: 14SR-LD2-25-C-UNV-L835-CD1-U.IES

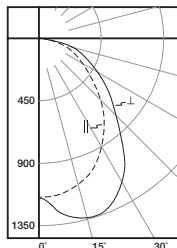
Angle	Candlepower		
	Along H	45°	Across L
0	823	823	823
5	823	850	882
10	807	895	944
15	783	914	966
20	746	904	958
25	700	871	918
30	645	815	849
35	582	740	763
40	512	657	668
45	439	575	567
50	370	498	481
55	304	431	408
60	250	372	346
65	204	322	283
70	162	269	226
75	123	209	173
80	82	146	118
85	40	76	59
90	0	0	0

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance																					
	80%				70%				50%				30%				10%				0%	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83				
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58				
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50				
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44				
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38				
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36	34				
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30				
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	726	28.9
0-40	1174	46.8
0-60	1957	78.0
0-90	2510	100.0
0-180	2510	100.0



14SR-LD2-35-C-UNV-L835-CD1-U

Electronic Driver
Linear LED 3500K
Spacing criterion: (H) 1.2 x mounting height, (L) 1.5 x mounting height
Lumens: 4805
Input Watts: 38.2W
Efficacy: 125.8 lm/W
Test Report: 14SR-LD2-35-C-UNV-L835-CD1-U.IES

Angle	Candlepower		
	Along H	45°	Across L
0	1136	1136	1136
5	1135	1174	1219
10	1115	1236	1304
15	1079	1263	1337
20	1030	1251	1324
25	967	1205	1271
30	891	1127	1175
35	803	1025	1058
40	706	912	923
45	606	795	789
50	509	688	668
55	422	596	564
60	347	518	479
65	281	446	394
70	225	373	314
75	170	290	239
80	114	201	164
85	54	104	81
90	0	0	0

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance																					
	80%				70%				50%				30%				10%				0%	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83				
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58				
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50				
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44				
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38				
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36	34				
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30				
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1004	28.9
0-40	1623	46.7
0-60	2708	78.0
0-90	3473	100.0
0-180	3473	100.0

ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Stock or MTO*	Catalog Logic (Curved)	Delivered Lumens	Watts	Efficacy (lm/W)
MTO	14SR-LD2-15-C-UNV-L830-CD1-U	1414	13.5	105
MTO	14SR-LD2-15-C-UNV-L835-CD1-U	1458	13.5	108
MTO	14SR-LD2-15-C-UNV-L840-CD1-U	1487	13.5	110
MTO	14SR-LD2-15-C-UNV-L850-CD1-U	1618	13.5	120
MTO	14SR-LD2-20-C-UNV-L830-CD1-U	2007	16.4	122
MTO	14SR-LD2-20-C-UNV-L835-CD1-U	2069	16.4	126
MTO	14SR-LD2-20-C-UNV-L840-CD1-U	2110	16.4	128
MTO	14SR-LD2-20-C-UNV-L850-CD1-U	2297	16.4	140
MTO	14SR-LD2-25-C-UNV-L830-CD1-U	2435	20.9	117
MTO	14SR-LD2-25-C-UNV-L835-CD1-U	2510	20.9	120
MTO	14SR-LD2-25-C-UNV-L840-CD1-U	2560	20.9	123
MTO	14SR-LD2-25-C-UNV-L850-CD1-U	2786	20.9	133
MTO	14SR-LD2-30-C-UNV-L830-CD1-U	2954	24.5	121
MTO	14SR-LD2-30-C-UNV-L835-CD1-U	3045	24.5	124
MTO	14SR-LD2-30-C-UNV-L840-CD1-U	3106	24.5	127
MTO	14SR-LD2-30-C-UNV-L850-CD1-U	3380	24.5	138
MTO	14SR-LD2-35-C-UNV-L830-CD1-U	3369	28.4	119
MTO	14SR-LD2-35-C-UNV-L835-CD1-U	3473	28.4	122
MTO	14SR-LD2-35-C-UNV-L840-CD1-U	3542	28.4	125
MTO	14SR-LD2-35-C-UNV-L850-CD1-U	3855	28.4	136
MTO	14SR-LD2-41-C-UNV-L830-CD1-U	3957	34.0	116
MTO	14SR-LD2-41-C-UNV-L835-CD1-U	4079	34.0	120
MTO	14SR-LD2-41-C-UNV-L840-CD1-U	4161	34.0	122
MTO	14SR-LD2-41-C-UNV-L850-CD1-U	4528	34.0	133
MTO	14SR-LD2-45-C-UNV-L830-CD1-U	4340	37.9	115
MTO	14SR-LD2-45-C-UNV-L835-CD1-U	4474	37.9	118
MTO	14SR-LD2-45-C-UNV-L840-CD1-U	4563	37.9	120
MTO	14SR-LD2-45-C-UNV-L850-CD1-U	4966	37.9	131

*Made to order (MTO) requires a typical two week lead time.

ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Stock or MTO*	Catalog Logic (Straight)	Delivered Lumens	Watts	Efficacy (lm/W)
MTO	14SR-LD2-15-S-UNV-L830-CD1-U	1410	13.5	105
MTO	14SR-LD2-15-S-UNV-L835-CD1-U	1454	13.5	108
MTO	14SR-LD2-15-S-UNV-L840-CD1-U	1483	13.5	110
MTO	14SR-LD2-15-S-UNV-L850-CD1-U	1613	13.5	120
MTO	14SR-LD2-20-S-UNV-L830-CD1-U	2001	16.4	122
MTO	14SR-LD2-20-S-UNV-L835-CD1-U	2063	16.4	126
MTO	14SR-LD2-20-S-UNV-L840-CD1-U	2104	16.4	128
MTO	14SR-LD2-20-S-UNV-L850-CD1-U	2290	16.4	139
MTO	14SR-LD2-25-S-UNV-L830-CD1-U	2427	20.9	116
MTO	14SR-LD2-25-S-UNV-L835-CD1-U	2502	20.9	120
MTO	14SR-LD2-25-S-UNV-L840-CD1-U	2552	20.9	122
MTO	14SR-LD2-25-S-UNV-L850-CD1-U	2778	20.9	133
MTO	14SR-LD2-30-S-UNV-L830-CD1-U	2945	24.5	120
MTO	14SR-LD2-30-S-UNV-L835-CD1-U	3036	24.5	124
MTO	14SR-LD2-30-S-UNV-L840-CD1-U	3096	24.5	127
MTO	14SR-LD2-30-S-UNV-L850-CD1-U	3370	24.5	138
MTO	14SR-LD2-35-S-UNV-L830-CD1-U	3359	28.4	118
MTO	14SR-LD2-35-S-UNV-L835-CD1-U	3462	28.4	122
MTO	14SR-LD2-35-S-UNV-L840-CD1-U	3532	28.4	124
MTO	14SR-LD2-35-S-UNV-L850-CD1-U	3843	28.4	135
MTO	14SR-LD2-41-S-UNV-L830-CD1-U	3945	34.0	116
MTO	14SR-LD2-41-S-UNV-L835-CD1-U	4067	34.0	120
MTO	14SR-LD2-41-S-UNV-L840-CD1-U	4148	34.0	122
MTO	14SR-LD2-41-S-UNV-L850-CD1-U	4514	34.0	133
MTO	14SR-LD2-45-S-UNV-L830-CD1-U	4327	37.9	114
MTO	14SR-LD2-45-S-UNV-L835-CD1-U	4460	37.9	118
MTO	14SR-LD2-45-S-UNV-L840-CD1-U	4550	37.9	120
MTO	14SR-LD2-45-S-UNV-L850-CD1-U	4951	37.9	131

*Made to order (MTO) requires a typical two week lead time.

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
25°C	> 92%	> 448,000

Non-IC data

SKYTRIM FIELD INSTALLATION KITS

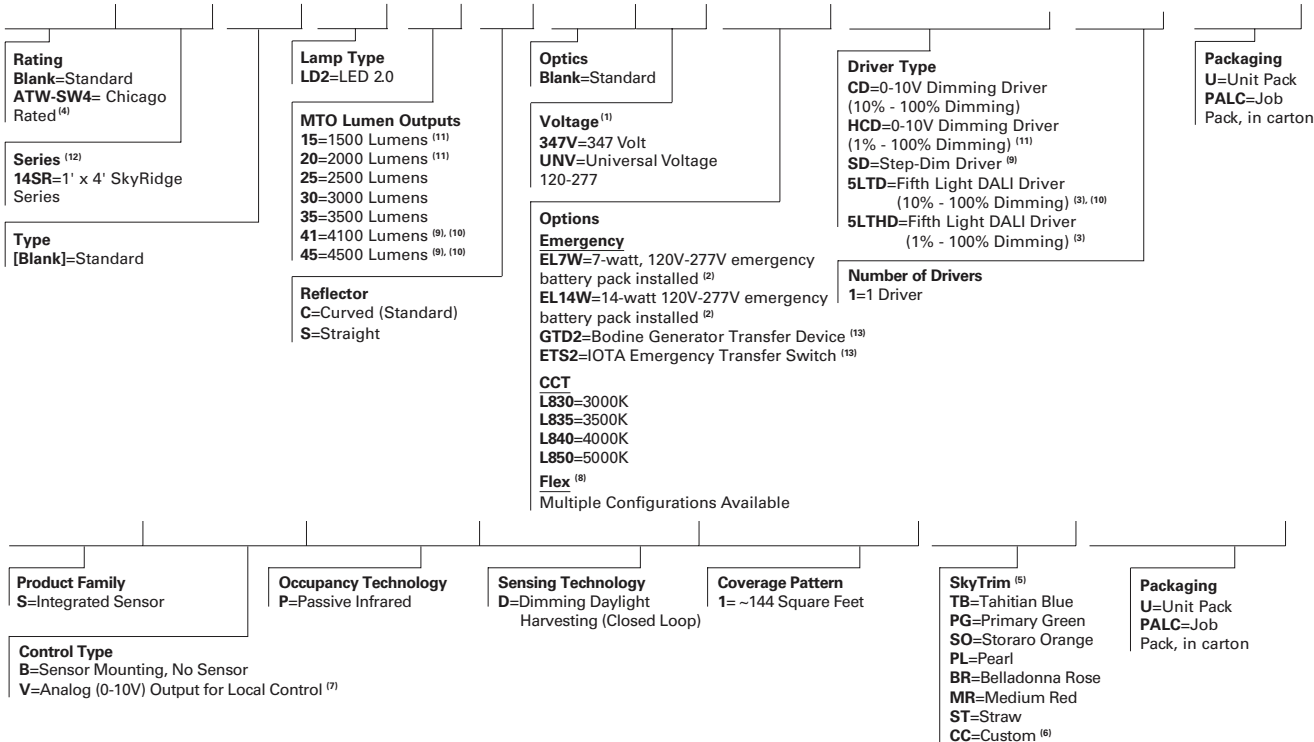
Color Choice	Kit Catalog Number	Kit Quantity
Tahitian Blue	STK-4-TB-10PK	10
Primary Green	STK-4-PG-10PK	10
Storaro Orange	STK-4-SO-10PK	10
Belladonna Rose	STK-4-BR-10PK	10
Medium Red	STK-4-MR-10PK	10
Pearl	STK-4-PL-10PK	10
Straw	STK-4-ST-10PK	10
Custom Color	STK-4-CC-*-10PK	10

*Custom color requires Roscolux numeric specification color code, consult factory for more information.

Note: Chosen color will be matched on acrylic but will appear lighter once applied to lit light guide.

ORDERING INFORMATION

SAMPLE NUMBER: 14SR-LD2-25-C-UNV-L835-CD1-U



ACCESSORIES

- T3A END E.Q. BRACKET PARTS BAG (Standard with fixture)
- DF-14-W=1' x 4' Drywall Frame Kit
- DF10P-C_=Decorator Dimmer, 0-10V
- SF10P-_=Decorator Slide Dimmer, 0-10V
- ISHH-01=Programming Remote for Integrated Sensor
- ISHH-02=Personal Control Remote for Integrated Sensor

NOTES: ⁽¹⁾Products also available in non-US voltages and frequencies for international markets. ⁽²⁾With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. ⁽³⁾For a complete listing of Fifth Light products, visit www.eaton.com/lighting systems. ⁽⁴⁾Chicago rated version does not allow for row mounting. ⁽⁵⁾Fixtures using factory installed SkyTrim option are not DLC qualified. ⁽⁶⁾Custom color must list Roscolux numeric color specification code. ⁽⁷⁾Integral sensor works only with "CD" driver and is factory prewired to the driver for stand-alone control. ⁽⁸⁾Flex does not include dimming leads. Control leads provided by others. ⁽⁹⁾Step-dim driver is only available with 4100 and 4500 lumen packages. ⁽¹⁰⁾Fifth Light (5LTD) driver is only available with 4100 and 4500 lumen packages. ⁽¹¹⁾HCD driver option is not available with 1500 lumen package. ⁽¹²⁾DesignLights Consortium™ Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details. ⁽¹³⁾Used to transfer fixture to secondary power source for life-safety operation. When used with a dimming fixture, two devices are required to ensure control is disabled while operating under emergency power.

Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
14SR-LD2-25	18 lbs.

INTEGRATED SENSOR

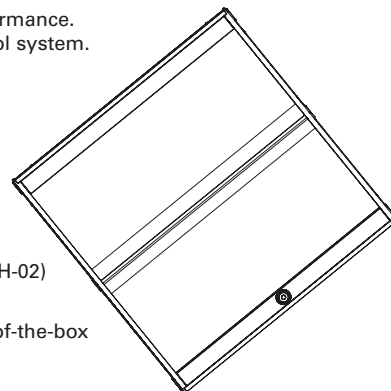
The SkyRidge with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The SkyRidge delivers superior lighting with integrated occupancy and daylighting controls.

Capture the benefits of traditional lighting controls, without complicated coverage planning or special wiring. Ideal for new construction or retrofit, the SkyRidge delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The integral daylight sensor reduces the need for special daylight zone planning. Each luminaire will automatically adjust the light level based on reflected light beneath the sensor in a closed loop method.

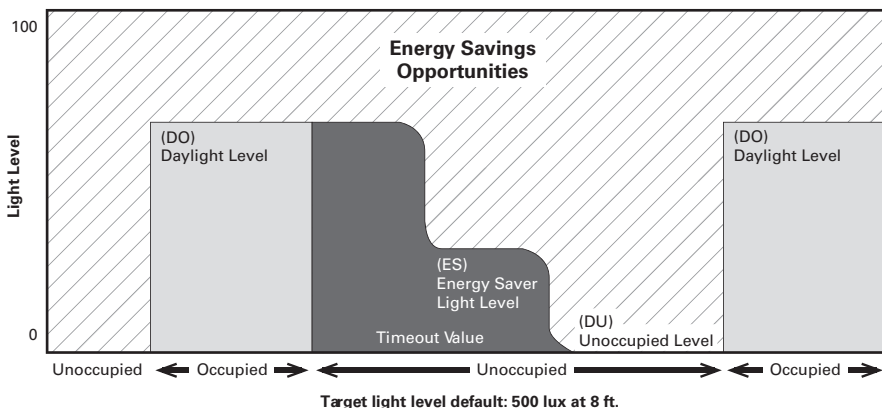
Occupied daylight light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH-01). The integrated sensor personal remote (Catalog Number: ISHH-02) provides code compliant manual raise, lower, ON, OFF control.

The SkyRidge with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.

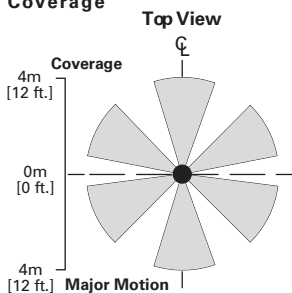


How it works:

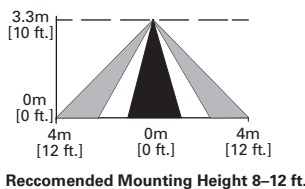
- As the user enters the space controlled by the integral sensor, the lighting turns ON to the default daylight level.
- Lighting will remain at that the daylight level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level. This adjustable light level is typically half of the occupied daylight level.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.



Coverage



Side View



Optional Remote Controls



ISHH-01 Programming Remote



ISHH-02 Personal Control Remote