LED STRIP - RETROFIT KIT (WITH REFLECTOR SHROUD)

THE POWER OF LIGHT
ILLUMADYNE

PROJECT NAME:	
CATALOG #:	
VOLTAGE:	**WATTS:**
FIXTURE TYPE:	**CONTROLS TYPE:**

HIGHLIGHTS

- > 80 CRI
- Mid Power LED's Reduce Glare and Improve Visual Comfort
- Available with Standard 0-10VDC dimming
- Integral PIR & Microwave Sensor Available
- Lifetime - L70 >100,000 Hrs
- Limited 7-Year Warranty

CONSTRUCTION & MATERIALS

- All Aluminum Construction
- Low-profile, lightweight design provides ease of installation
- Surface Mount or Aircraft Cable Hanger Assembly
- Boxed End Enclosures for added Rigidity
- Suitable for Damp Location
- ETL Listed

LED SYSTEM

- Latest mid-power LED's from Samsung
- Efficiencies of 190 LPW
- Linear LED Boards for the optimum in efficiency and thermal management using all Aluminum PCB's.
- Combined with the latest high efficiency drivers and our LED Modules.
- Achieve over 160 LPW
- System efficacy (Including Driver Loss), while providing a modular concept for scalability.
- Drivers are equipped with short circuit and over temp protection.
- Built in 6KVA Surge Protection

ORDERING EXAMPLE: STK - XX - XXX - (XX) - X - XXXX - [OPTIONS] - XXX

ORDERING GUIDE

SERIES	POWER LEVEL	VOLTAGE	CONFIGURATION	CCT
2STK **4STK** **8STK**	**BLANK** (Normal Efficiency) **HE** (High Efficiency)	**UNV** (120-277V)	**21** (2' x 1 BARS) **22** (2' x 2 BARS) **41** (4' x 1 BARS) **42** (4' x 2 BARS) **44** (4' x 4 BARS)	**4000** 4000K **5000** 5000K
Notes: 2' Length 4' Length 8' Length	Notes:	Notes:	Notes:	Notes:

OPTIONS	LENSING
DOBS (Dimming Hi/Lo PIR Sensor) **DOBSL** (Low Mount Dimming Hi/Lo PIR Sensor) **DOBNLS** (Bluetooth® Network Sensor) **BBU** (20w Battery Backup) **120TL** (6' Cordset with 120V Twistlock) **277TL** (6' Cordset with 277V Twistlock) **10MC** (10' Metal Armored Cable) **CC** (Conformal Coated Board)	**DLP** (Diffuse Lens Polycarbonate) **DLA** (Diffuse Lens Acrylic) **CLP** (Clear Lens Polycarbonate) **CLA** (Clear Lens Acrylic)
Notes:	Notes:

LED STRIP - RETROFIT KIT (WITH REFLECTOR SHROUD)

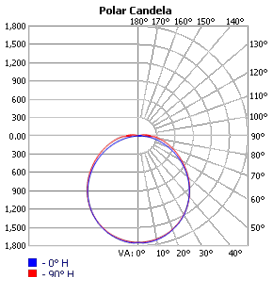
SPECIFICATIONS

FIXTURE	# BARS	SYSTEM WATTS	DELIVERED LUMENS	EFFICACY LUMENS/W	CRI	CCT (°Kelvin)	LENS TYPE
4STK HE UNV 41	1	25 W	3875	155	>80	3,500-5,000	NONE
4STK UNV 41	1	35 W	5250	150	>80	3,500-5,000	NONE
4STK HE UNV 42	2	47 W	7285	155	>80	3,500-5,000	NONE
4STK UNV 42	2	59 W	8850	150	>80	3,500-5,000	NONE
8STK HE UNV 42	2	47 W	7285	155	>80	3,500-5,000	NONE
8STK UNV 42	2	59 W	8850	150	>80	3,500-5,000	NONE
8STK HE UNV 44	4	93 W	14415	155	>80	3,500-5,000	NONE
8STK UNV 44	4	117 W	17550	150	>80	3,500-5,000	NONE

SYSTEM WATTS @ 120 VAC
Delivered Lumens Based on 5000K CCT

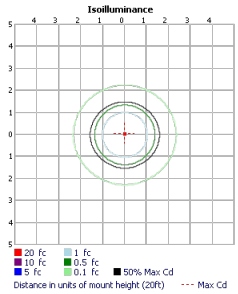
PHOTOMETRY

8STK-HE-UNV-42-3500K-DL Report #: CRT2103161223-011 | Total Luminaire Output: 5434.6 lumens; 46.7 Watts | Efficacy: 116.4 lm/W | 82 CRI; 3500K CCT

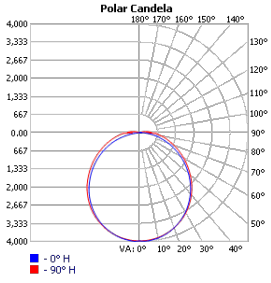


CANDLEPOWER DISTRIBUTION	HORIZONTAL ANGLE		
VERTICAL ANGLE	0°	45°	90°
0	1746	1746	1746
10	1729	1718	1716
20	1637	1628	1629
30	1493	1484	1489
40	1249	1287	1298
50	1056	1053	1070
60	787	796	826
70	510	541	597
80	266	322	395
90	1	75	111
100	46	48	108

LUMEN SUMMARY	ZONE	LUMENS	LUMINAIRE
	0-30	1,358.3	25%
	0-40	2,228.6	41%
	0-60	3,966.5	73%
	60-90	1,344.1	24.7%
	70-100	770.3	14.2%
	90-120	123.9	2.3%
	0-90	5,310.6	97.7%
	90-180	123.9	2.3%
	0-180	5,434.6	100%

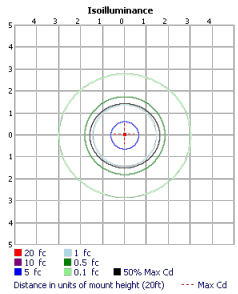


8STK-HE-UNV-44-3500K-DL Report #: CRT2103161223-012 | Total Luminaire Output: 12273.1 lumens; 94.8 Watts | Efficacy: 104.5 lm/W | 82 CRI; 3500K CCT

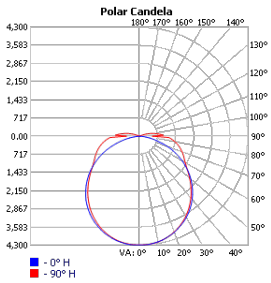


CANDLEPOWER DISTRIBUTION	HORIZONTAL ANGLE		
VERTICAL ANGLE	0°	45°	90°
0	3978	3978	3978
10	3936	3918	3916
20	3722	3716	3724
30	3379	3381	3405
40	2914	2932	2970
50	2362	2398	2445
60	1753	1810	1888
70	1128	1222	1355
80	567	728	892
90	10	169	253
100	53	115	245

LUMEN SUMMARY	ZONE	LUMENS	LUMINAIRE
	0-30	3,092.7	25.2%
	0-40	5,069.2	41.3%
	0-60	8,998.2	73.3%
	60-90	3,001.0	24.5%
	70-100	1,711.4	13.9%
	90-120	274.0	2.2%
	0-90	11,999.2	97.8%
	90-180	274.0	2.2%
	0-180	12,273.1	100%

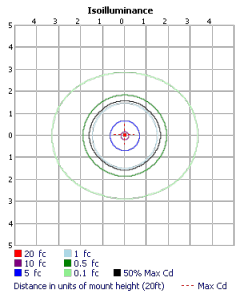


8STK-HE-UNV-44-3500K-NL Report #: CRT2103161223-006 | Total Luminaire Output: 14293.2 lumens; 94.8 Watts | Efficacy: 150.7 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	HORIZONTAL ANGLE		
VERTICAL ANGLE	0°	45°	90°
0	4287	4287	4287
10	4228	4209	4231
20	4032	3997	4013
30	3701	3647	3651
40	3240	3164	3161
50	2656	2579	2588
60	1958	1958	2089
70	1167	1454	1792
80	410	1095	1464
90	0	325	516
100	0	257	606

LUMEN SUMMARY	ZONE	LUMENS	LUMINAIRE
	0-30	3,347.3	23.4%
	0-40	5,503.8	38.5%
	0-60	9,821.9	68.7%
	60-90	3,872.9	27.1%
	70-100	2,582.2	18.1%
	90-120	598.4	4.2%
	0-90	13,694.9	95.8%
	90-180	598.4	4.2%
	0-180	14,293.3	100%



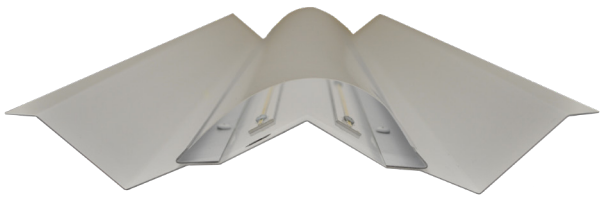
LED STRIP - RETROFIT KIT (WITH REFLECTOR SHROUD)

FIXTURE DETAILS

FIXTURE	2ST	4ST	8ST
A	24”	48”	96”
B			
C			

1 Bar Profile

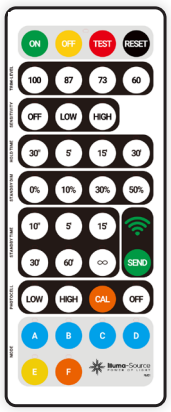
2 Bar Profile



LED STRIP - RETROFIT KIT (WITH REFLECTOR SHROUD)

INTEGRATED LOW VOLTAGE PHOTO/BI-LEVEL PIR MOTION SENSOR-IFS05

IP65



L - LOW MOUNT 360° LENS

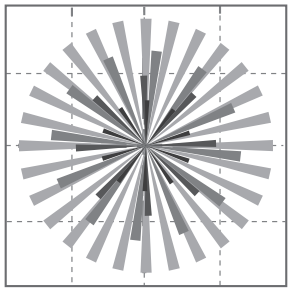
- Recommended for motion detection from mounting heights between 8 ft and 20 ft.
- Initial detection of motion along sensor axes at distances of 2x the mounting height up to 20 ft.
- Initial detection will occur more rapidly when moving across sensor's field of view than moving directly at sensor.

HIGH MOUNT 360° LENS

- Optimized full coverage pattern for 10 – 50 ft.
- Reliable detection of large motion up to 50 ft. mounting height.

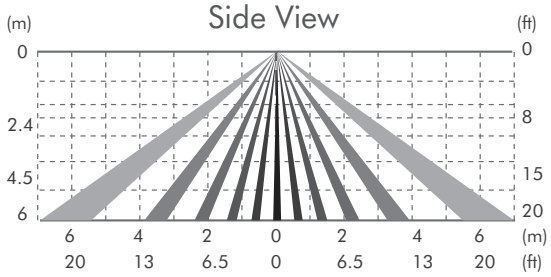
LENS IFSL1 2X Standard

Top View



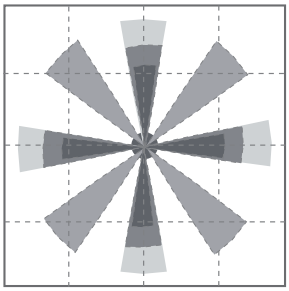
Mounting Height	m (ft)	2.4 (8)	3.0 (10)	4.5 (15)	6.0 (20)
Max. Coverage Diameter	m (ft)	4.8 (16)	6.0 (20)	9.0 (30)	12.0 (40)

Side View



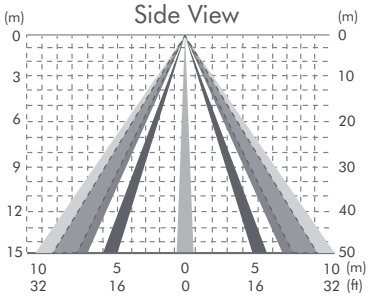
LENS IFSL2 1X High Bay

Top View



Mounting Height	m (ft)	9.0 (30)	11.0 (36)	13.0 (43)	15.0 (49)
Max. Coverage Diameter	m (ft)	9.0 (30)	11.0 (36)	13.0 (43)	15.0 (49)

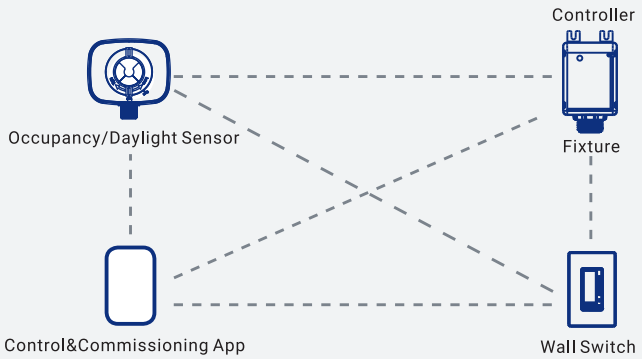
Side View



BLUETOOTH® WIRELESS NETWORK SENSOR

BLUETOOTH® MESH COMMERCIAL GRADE LIGHTING CONTROL SYSTEMS

Illuma-Source offers a complete stand-alone wireless system to control luminaires in a wide variety of applications. The system devices include a luminaire mounted controller and sensor with Bluetooth® technology. This technology provides wireless communication with occupancy/daylight harvesting control, all in one device.

Each Bluetooth® enabled device is a wireless node capable of sending, receiving, and sharing control commands through a wireless mesh network. Expandability is easy with each device passing information to the next to enlarge the reach and control throughout the network.

Bluetooth Wireless Mesh Network