

LED STRIP

THE POWER OF LIGHT
ILLUMADYNE

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



HIGHLIGHTS

- 160LPW
- > 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 >140,000 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 3030 and 2835 mid-power LED's from Seoul Semiconductor
- Efficiencies up to 200 LPW
- Aluminum PCB's for the optimum in efficiency and thermal management.
- Combined with the latest high efficiency drivers and LED Modules.
- Over 160 LPW for system efficacy (Including Driver Loss)
- Modular concept for scalability.
- All drivers are equipped with short circuit and over temp protection.
- Built in 6KVA Surge Protection

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

ORDERING GUIDE

SERIES	POWER LEVEL	VOLTAGE	CONFIGURATION	CCT
2ST	BLANK (Normal Efficiency) HE (High Efficiency)	UNV (120-277V)	21 (2' x 1 BARS)	4000 4000K
4ST			22 (2' x 2 BARS)	5000 5000K
6ST			34 (3' x 4 BARS)	
8ST			41 (4' x 1 BARS) 42 (4' x 2 BARS) 44 (4' x 4 BARS)	
Notes: 2' Length 4' Length 6' Length 8' Length	Notes:	Notes:	Notes:	Notes:

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



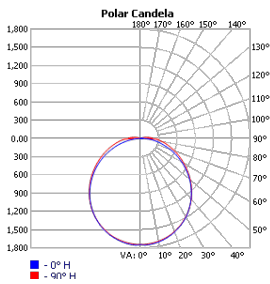
FIXTURE	# BARS	SYSTEM WATTS	DELIVERED LUMENS	EFFICACY LUMENS/W	CRI	CCT (°Kelvin)	LENS TYPE
4ST HE UNV 41	1	25 W	3875	155	>80	3,500-5,000	NONE
4ST UNV 41	1	35 W	5250	150	>80	3,500-5,000	NONE
4ST HE UNV 42	2	47 W	7285	155	>80	3,500-5,000	NONE
4ST UNV 42	2	59 W	8850	150	>80	3,500-5,000	NONE
6ST UNV 34	4	92 W	14000	152	>80	3,500-5,000	NONE
8ST HE UNV 42	2	47 W	7285	155	>80	3,500-5,000	NONE
8ST UNV 42	2	59 W	8850	150	>80	3,500-5,000	NONE
8ST HE UNV 44	4	93 W	14415	155	>80	3,500-5,000	NONE
8ST UNV 44	4	117 W	17550	150	>80	3,500-5,000	NONE

SYSTEM WATTS @ 120 VAC

Delivered Lumens Based on 5000K CCT

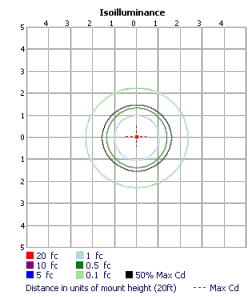
PHOTOMETRY

8ST-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

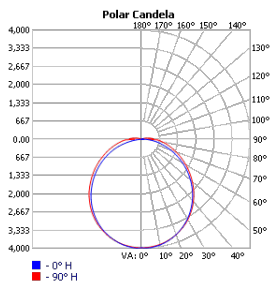


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE		
		0°	45°	90°
	0	1746	1746	1746
	10	1729	1718	1716
	20	1637	1628	1629
	30	1493	1484	1489
	40	1249	1287	1298
	50	1056	1053	1070
	60	787	796	826
	70	510	541	597
	80	266	322	395
	90	1	75	111
	100	46	48	108

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%

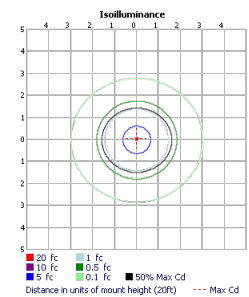


8ST-HE-UNV-44-3500K-DL Report #: CRT2103161223-012 | Total Luminaire Output: 12273.1 lumens; 94.8 Watts | Efficacy: 104.5 lm/W | 82 CRI; 3500K CCT

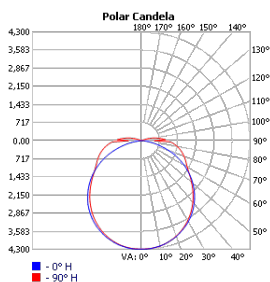


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE		
		0°	45°	90°
	0	3978	3978	3978
	10	3936	3918	3916
	20	3722	3716	3724
	30	3379	3381	3405
	40	2914	2932	2970
	50	2362	2398	2445
	60	1753	1810	1888
	70	1128	1222	1355
	80	567	728	892
	90	10	169	253
	100	53	115	245

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%

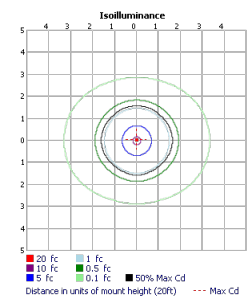


8ST-HE-UNV-44-3500K-NL Report #: CRT2103161223-006 | Total Luminaire Output: 14293.2 lumens; 94.8 Watts | Efficacy: 150.7 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL 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%

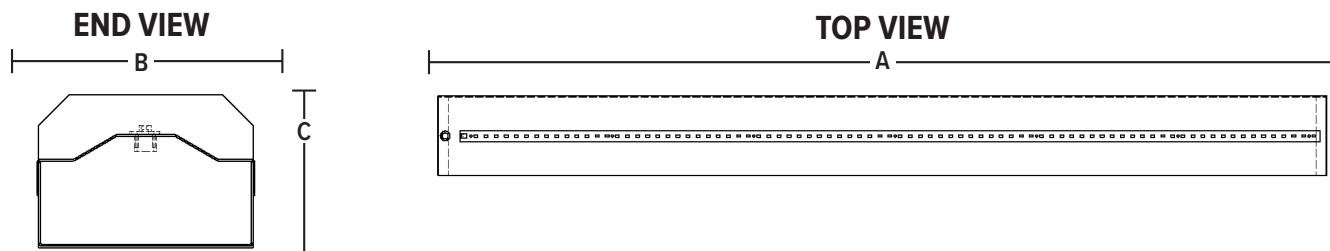


LED STRIP

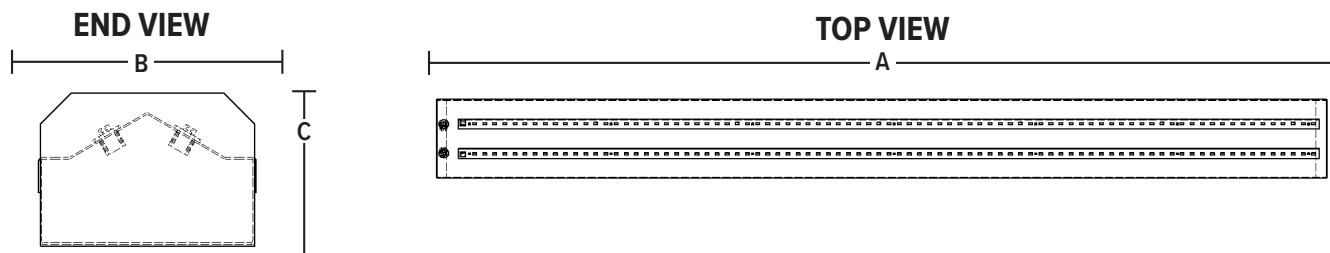
FIXTURE DETAILS

FIXTURE	2ST	4ST	6ST	8ST
A	24"	48"	72"	96"
B	4.25"	4.25"	4.25"	4.25"
C	3"	3"	3"	3"

1 Bar Profile



2 Bar Profile



1 Bar Profile



2 Bar Profile



Lens Profile

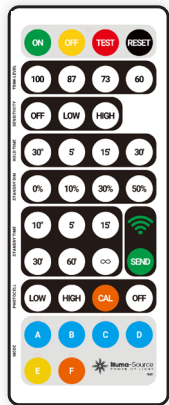


LED STRIP

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

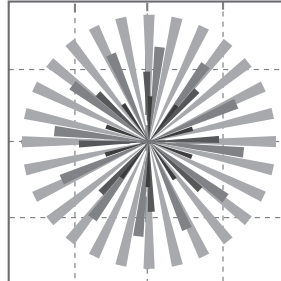


IP65

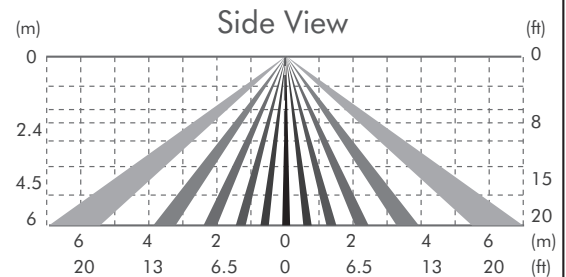


LENS IFSL1 2X Standard

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)



L - LOW MOUNT 360° LENS

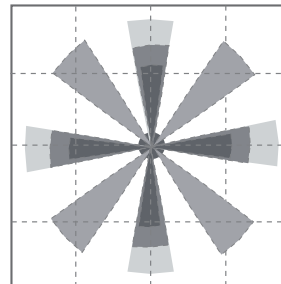
- Recommended for motion detection from mounting heights between 8 ft and 20 ft.
- Initial detection of motion along sensor axes at distances of 2x the mounting height up to 20 ft.
- Initial detection will occur more rapidly when moving across sensor's field of view than moving directly at sensor.

HIGH MOUNT 360° LENS

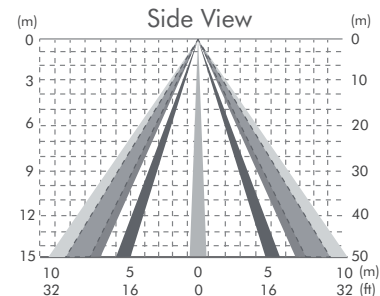
- Optimized full coverage pattern for 10 – 50 ft.
- Reliable detection of large motion up to 50 ft. mounting height.

LENS 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)



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

