

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



HIGHLIGHTS

- > 155LPW
- > 80 CRI
- Mid Power LED's Reduce Glare and Improve Visual Comfort
- Standard with Dimming Driver
- Integral PIR & Microwave Sensor Available
- L70 > 140,000HRS
- 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

LED SYSTEM

- Extreme Highbay from Illumadyne has been designed for applications requiring exceedingly high lumen packages for their lighting application.
- Uses highest efficiency mid-power 2835 LED's from Samsung and Seoul Semiconductor.
- Optimum in efficiency and thermal management through the use of all Aluminum PCB's.
- Combined with the latest high efficiency drivers and our LED Modules, Illumadyne is able to achieve over 155 Lumens/Watt for system efficacy, while providing a modular concept for scalability.
- All drivers are equipped with short circuit and over temp protection.
- Built in 10KVA Surge Suppression

OPTICAL DESIGN

- Novel "Floating" Specular Reflector design
- Effective manipulation of the distribution pattern of our fixtures without the high cost of optical lenses
- Available with a clear or Diffuse Acrylic Lens to limit dirt depreciation

ORDERING EXAMPLE: 4XB - XX - XXX - (XXX) - X - XXXX - [OPTIONS] - XXX

ORDERING GUIDE

SERIES	POWER LEVEL	VOLTAGE	CONFIGURATION	DISTRIBUTIONS	CCT
4XB	BLANK (Normal Efficiency)	UNV (120-277V) HV (200-480V)	410 (4' x 10 BARS) 412 (4' x 12 BARS)	N Narrow M Medium W Wide	3500 3500K 4000 4000K 5000 5000K
Notes: 4' Length	Notes:	Notes:	Notes:	Notes:	Notes:

OPTIONS

DOBS (Dimming Hi/Lo PIR Sensor)
DOBSL (Low Mount Dimming Hi/Lo PIR Sensor)
DOBNLS (Bluetooth® Network Sensor)
BBU (20w Battery Backup)
BBU30 (30w Battery Backup)
10Y (10' Y-Toggle Hanger Assembly)
120TL (6' Cordset with 120V Twistlock)
277TL (6' Cordset with 277V Twistlock)
MC (Modular Cabling Fixture Whip)
SM (Surface Mount)

Notes:

LENSING

DLP (Diffuse Lens Polycarbonate)
DLA (Diffuse Lens Acrylic)
CLP (Clear Lens Polycarbonate)
CLA (Clear Lens Acrylic)

Notes:



SPECIFICATIONS

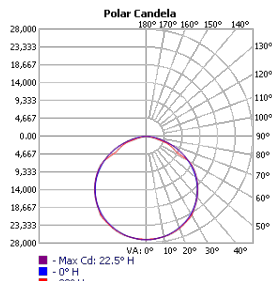
FIXTURE	# BARS	SYSTEM WATTS	DELIVERED LUMENS	EFFICACY LUMENS/W	CRI	CCT (°Kelvin)	T8/T5 EQUIVALENT	HID EQUIVALENT
4XB UNV 410	10	375 W	58,000	155	>80	3,500, 4,000, 5,000	4-T8/3-T5	1000
4XB UNV 412	12	450 W	70,000	155	>80	3,500, 4,000, 5,000	6-T8/4-T5	1000

SYSTEM WATTS @ 120 VAC

Delivered Lumens Based on 5000K CCT with Wide Distribution

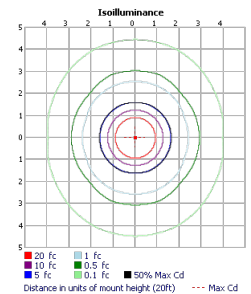
PHOTOMETRY

4XB-UNV-412-W-3500K Report #: 19077.0 | Total Luminaire Output: 77972.5 lumens; 479.3 Watts | Efficacy: 162.7 lm/W | 82 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE		
		0°	45°	90°
	0	27067	27067	27067
	10	26658	26633	26661
	20	25404	25516	25598
	30	23447	23550	23868
	40	20601	21011	20612
	50	16977	17008	17107
	60	12567	12737	12648
	70	7532	6076	6180
	80	2692	1636	994
	90	0	0	0
	100	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	LUMINAIRE
	0-30	21,335.5	27.4%
	0-40	35,285.2	45.3%
	0-60	63,370.2	81.3%
	60-90	14,602.4	18.7%
	70-100	5,120.9	6.6%
	90-120	0.000	0%
	0-90	77,972.5	100%
	90-180	0.000	0%
	0-180	77,972.5	100%



LUMEN MULTIPLIER

CCT	3,500K	4,000K	5,000K
LUMEN MULTIPLIER	1.0	1.03	1.04



EXTREME HIGHBAY

FIXTURE DETAILS

FIXTURE	4CB-410	4CB-412
A	48"	48"
B	15.25"	19.25"
C	1.5"	1.5"

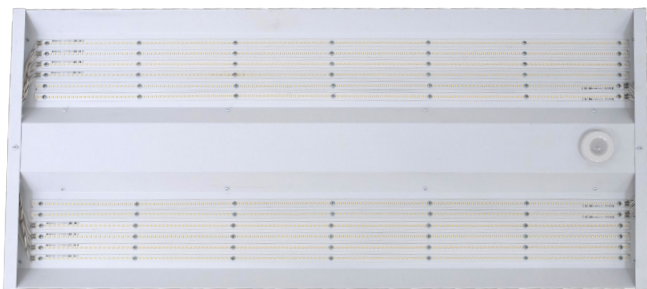
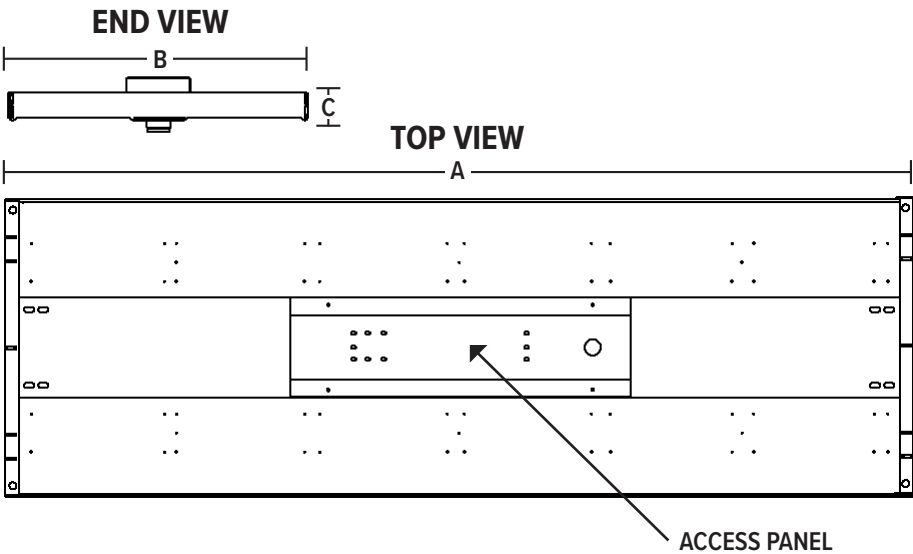


PROJECTED LUMEN MAINTENANCE @50C

OPERATING HOURS	0	15,000	30,000	45,000	60,000	100,000	140,000
LUMEN MAINTENANCE FACTOR	1.0	0.97	0.93	0.9	0.86	0.78	0.7

LUMENS Vs. AMBIENT TEMPERATURE

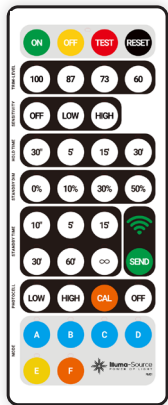
AMBIENT C	AMBIENT F	LUMEN MULTIPLIER
0	32	104.28%
10	50	102.61%
15	59	101.75%
20	68	100.88%
25	77	100.00%
30	86	99.10%
35	95	98.19%
40	104	97.28%
45	113	96.34%
50	122	95.39%



EXTREME HIGHBAY

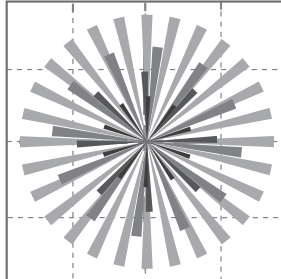
IP65 

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

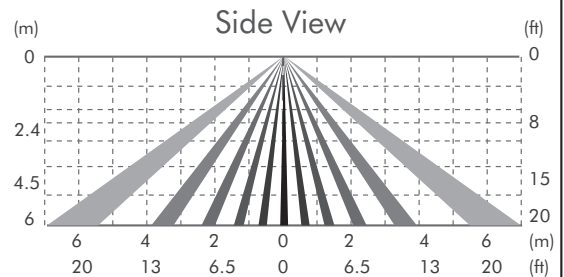


LENS IFSL1 2X Standard

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

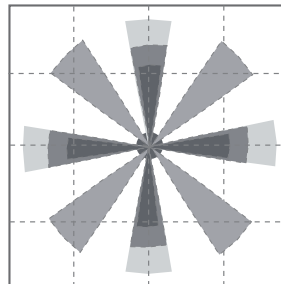
- Recommended for motion detection from mounting heights between 8 ft and 20 ft.
- Initial detection of motion along sensor axes at distances of 2x the mounting height up to 20 ft.
- Initial detection will occur more rapidly when moving across sensor's field of view than moving directly at sensor.

HIGH MOUNT 360° LENS

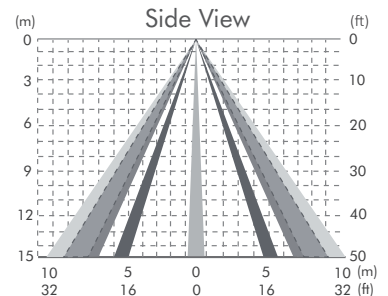
- Optimized full coverage pattern for 10 – 50 ft.
- Reliable detection of large motion up to 50 ft. mounting height.

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

