

COOL-LED HIGH BAY GEN 2

THE POWER OF LIGHT
ILLUMADYNE



PROJECT NAME:

CATALOG #:

VOLTAGE:

WATTS:

FIXTURE TYPE:

CONTROLS TYPE:

HIGHLIGHTS

- > 200LPW
- 70 and 80 CRI Available
- Mid Power LED's Reduce Glare and Improve Visual Comfort
- Dimming Driver 0-10VDC Aux
- 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
- LED Boards are 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
- Over 200 Lumens/Watt for system efficacy (Including Driver Loss)
- Provides a modular concept for scalability
- Drivers equipped with short circuit and over temp protection
- Built in 10KV Surge Suppression

OPTICAL SYSTEM

- 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

POWER LEVEL/CONFIGURATION OPTIONS

POWER LEVEL	CONFIGURATION
50W, 70W, 100W	43 (4' x 3 BARS)
100W, 125W, 150W	44 (4' x 4 BARS)
150W, 175W, 200W	46 (4' x 6 BARS)
240W, 270W, 300W, 350W	48 (4' x 8 BARS)

Please input selection in the ordering guide

ORDERING EXAMPLE: 4CB2 - XXX - XXX - (XX) - X - XXXX - XX - [OPTIONS] - XXX - XX

ORDERING GUIDE

SERIES	POWER LEVEL	VOLTAGE	CONFIGURATION	DISTRIBUTIONS	CCT & CRI
4CB2	50W 50 Watts	UNV 120-277V HV 200-480V	43 (4' x 3 BARS)	N Narrow	735 4000K 70CRI
	70W 70 Watts		44 (4' x 4 BARS)	M Medium	740 4000K 70CRI
	100W 100 Watts		46 (4' x 6 BARS)	W Wide	750 5000K 70CRI
	125W 125 Watts		48 (4' x 8 BARS)		835 4000K 80CRI
	150W 150 Watts				840 4000K 80CRI
	175W 175 Watts				850 5000K 80CRI
	200W 200 Watts				
	240W 240 Watts				
	270W 270 Watts				
	300W 300 Watts				
	350W 350 Watts				
Notes: 4' Length	Notes: See Wattage Configurations in Bottom Left Chart	Notes:	Notes:	Notes:	Notes:

OPTIONS

DOBS (Dimming Hi/Lo PIR Sensor)
 DOBSL (Low Mount Dimming Hi/Lo PIR Sensor)
 DOBNLS (Bluetooth® Network Sensor)
 BBU20 (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)
 10MC (10' Metal Armored Cable)
 CC (Conformal Coated Board)
 MIDI/MF/6/277 (Modular MF Connector with 6' Cord)
 FWD12 (12' 16/2 cord w/male/female disconnect and stripped ends (prewired))

Notes:

LENSING

DLP Diffuse Lens Polycarbonate
 DLA Diffuse Lens Acrylic
 CLP Clear Lens Polycarbonate
 CLA Clear Lens Acrylic
 WG Wire Guard

Notes:

UPLIGHT

4%
7.5%

Notes:

COOL-LED HIGH BAY, GEN 2

SPECIFICATIONS

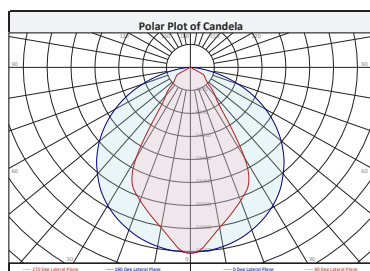
FIXTURE	# BARS	SYSTEM WATTS	DELIVERED LUMENS	EFFICACY LUMENS/W	CRI	CCT (°Kelvin)	T8/T5 EQUIVALENT	HID EQUIVALENT
4CB2 UNV 43	3	100W	20,000	200	>80	3,500-5,000	6-T8/4-T5H0	200 PS
4CB2 UNV 44	4	154W	30,635	201	>80	3,500-5,000	8-T8/6-T5H0	320 PS
4CB2 UNV 46	6	199W	39,814	201	>80	3,500-5,000	10-T8/8-T5H0	400 PS
4CB2 UNV 48	8	315W	63,000	200	>80	3,500-5,000	14-T8/12-T5H0	575 PS
4CB2 UNV 48	8	350W	74,000	212	>80	3,500-5,000	16-T8/14-T5H0	750 PS

SYSTEM WATTS @ 120 VAC

Delivered Lumens Based on 5000K CCT with Wide Distribution

PHOTOMETRY

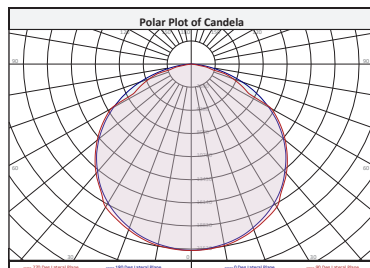
4CB2-UNV-300W-N-840 Report #: LLIA002671-009 | Total Luminaire Output: 61539.4 lumens; 308.1 Watts | Efficacy: 199.7 lm/W



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE		
		0°	45°	90°
	0	37694	37694	37694
	10	36898	34165	33028
	20	35118	29945	28764
	30	32327	25831	21250
	40	28251	17434	7549
	50	23180	5918	4054
	60	17027	2904	2984
	70	9987	256	269
	80	3267	142	142
	90	3	0	1

LUMEN SUMMARY	ZONE	LUMENS	LUMINAIRE
	0-10	3427.0	5.6%
	10-20	9192.0	14.9%
	20-30	13200.0	21.5%
	30-40	13224.0	21.5%
	40-50	10119.0	16.4%
	50-60	7383.0	12.0%
	60-70	3481.0	5.7%
	70-80	1275.0	2.1%
	80-90	237.0	0.4%
	0-90	61539.0	100.0%

4CB2-UNV-300W-W-840 Report #: LLIA002671-007A | Total Luminaire Output: 62389.2 lumens; 308.9 Watts | Efficacy: 202.0 lm/W



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE		
		0°	45°	90°
	0	21685	21685	21685
	10	21265	21317	21445
	20	20249	20418	20519
	30	18646	18818	19211
	40	16328	16890	16597
	50	13488	13572	13775
	60	10044	10198	10427
	70	6095	4787	4989
	80	2184	1318	823
	90	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	LUMINAIRE
	0-10	2054.0	3.3%
	10-20	5917.0	9.5%
	20-30	9085.0	14.6%
	30-40	11148.0	17.9%
	40-50	11691.0	18.7%
	50-60	10752.0	17.2%
	60-70	7613.0	12.2%
	70-80	3639.0	5.8%
	80-90	490.3	0.8%
	0-90	62389.0	100.0%

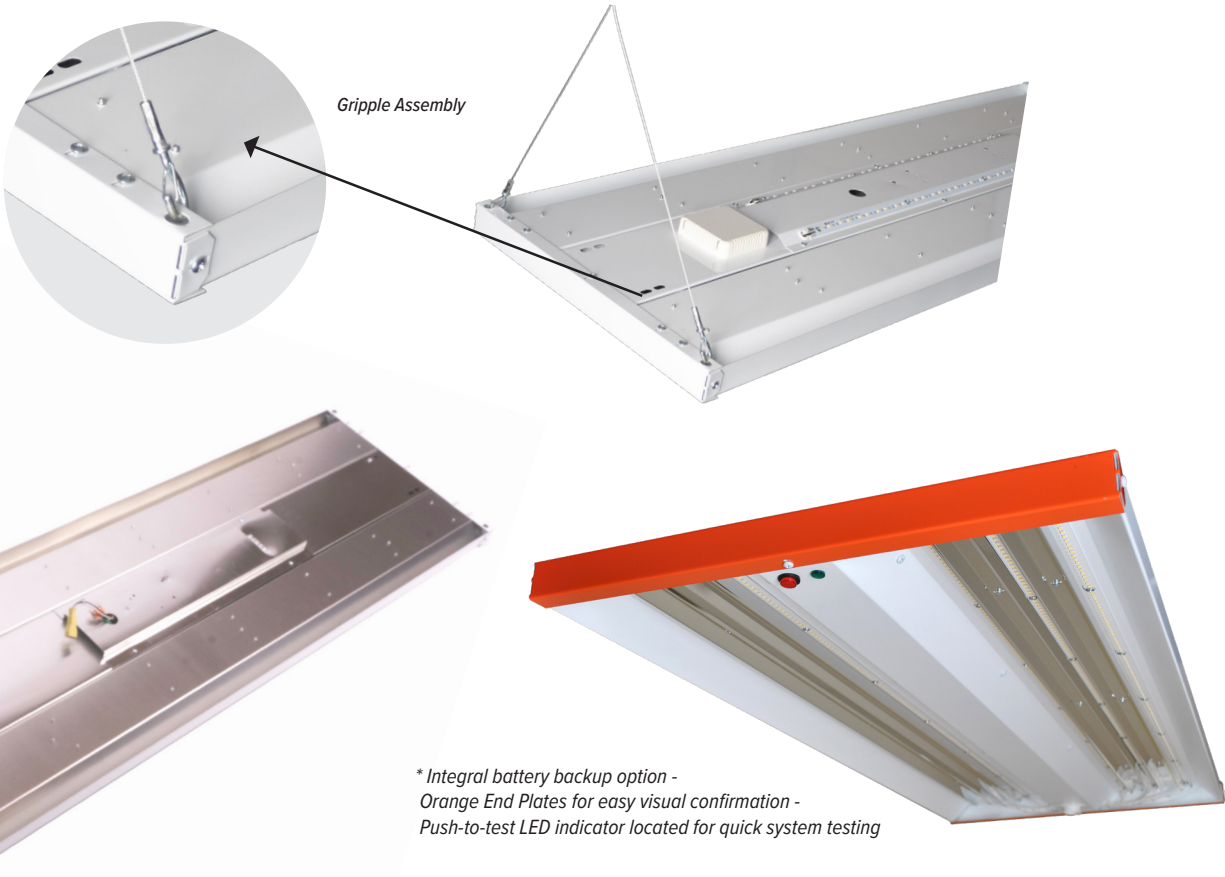
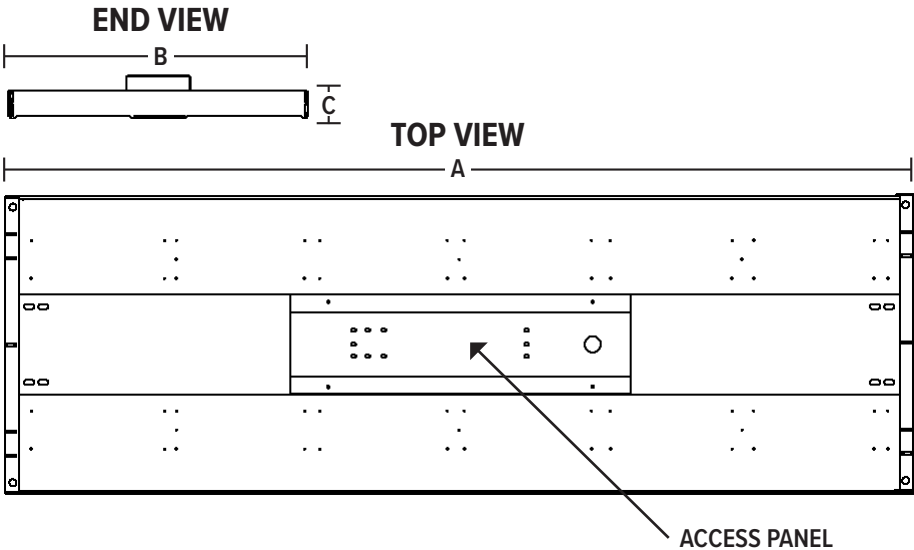
COOL-LED HIGH BAY, GEN 2

LUMEN MULTIPLIER

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

FIXTURE DETAILS

FIXTURE	4CB-44N (4-BAR)
A	48"
B	15.25"
C	1.5"



COOL-LED HIGH BAY, GEN 2



IP65

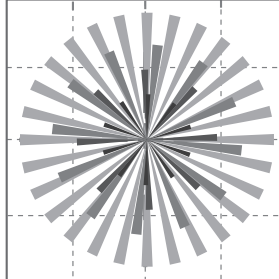


INTEGRATED LOW VOLTAGE PHOTO/BI-LEVEL PIR MOTION SENSOR-IS619

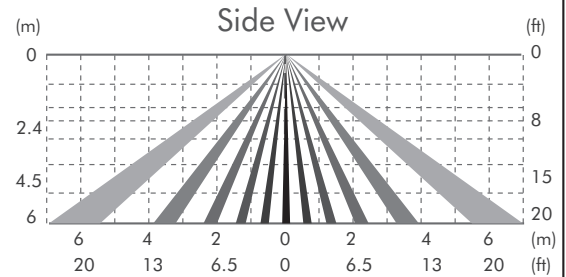


LENS L4 2X Standard

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

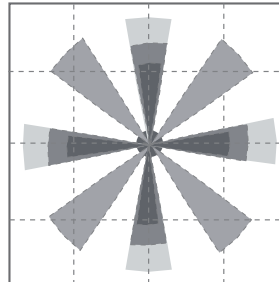
- Recommended for motion detection from mounting heights between 8 ft and 20 ft.
- Initial detection of motion along sensor axes at distances of 2x the mounting height up to 20 ft.
- Initial detection will occur more rapidly when moving across sensor's field of view than moving directly at sensor.

HIGH MOUNT 360° LENS

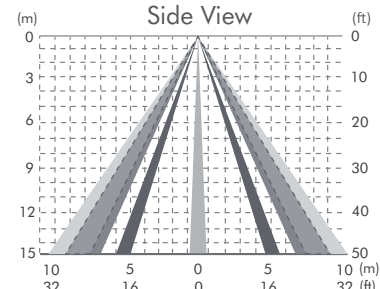
- Optimized full coverage pattern for 10 – 50 ft.
- Reliable detection of large motion up to 50 ft. mounting height.

LENS L3 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

