Astro

DECORATIVE HIGH ABUSE
Wall Or Ceiling Mount
## *ADA Compliant*

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

SPECIFICATIONS

- BACKPLATE — 14 ga. aluminum die formed with multiple bends for maximum rigidity and unitized with all electrical components.
- DRIVER — Universal Volt 120/277v electronic driver with 0-10V dimming is standard.
- EMERGENCY — LED — Integral (EL) or Remote (REL).
- FASTENER — Stainless steel torx tamperproof screws to secure housing to backplate.
- FINISH — All metal parts are phosphate pre-treated and finished in oven baked polyester powder coat.
- HOUSING — 14 ga. heavy aluminum with welded ends for maximum strength and rigidity. Optional Up/Down Barrier (UDB)—internal, for uplight or downlight only.
- LENS — .125" Prismatic Polycarbonate Lens is standard and includes glare control.
- LIGHT ENGINE — Energy Efficient Light Emitting Diode.
- COMPLIANCE — Built to comply with U.S. and Canadian safety standards Suitable For Wet Locations. ADA Compliant Depth. **Made in USA / Buy America Compliant / Buy American Act.**
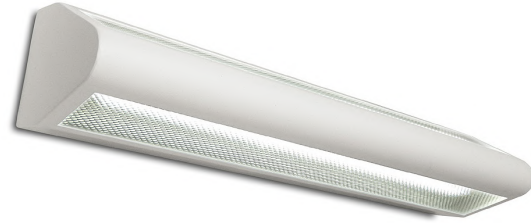
ORDERING INFO

ORDERING GUIDE:

Series	Mounting	Lens	Wattage	CCT	Voltage	Finish	Options

SERIES
AS-XL = Astro XL Series (24")
AS-XL1 = Astro XL1 Series (36")
AS-XL2 = Astro XL2 Series (48")

MOUNTING
C = Ceiling Mount
HR = Horizontal Wall Mount — STANDARD
VT = Vertical Wall Mount

MOUNTING OPTIONS
TDM = Tandem for Row Mount [2]

WATTAGE
Refer to Below Chart for Size/Wattage Compatibility
LED(xx) = LED (xx = Wattage, ex: LED50)

COLOR TEMPERATURE (CCT)
3K = ±3000K range LED
35K = ±3500K range LED
4K = ±4000K range LED
5K = ±5000K range LED

VOLTAGE
347 = 347 Volts
UNV = Universal Volt (120-277v) Electronic Driver

STANDARD FINISH
BK = Black Finish
BZ = Bronze Finish
PNA = Painted Natural Aluminum
SGR = Silver Gray
WH = White Finish

PREMIUM UPCHARGE FINISH
CC = Custom Color (Visit **www.ralcolor.com**)
— Provide RAL# or Make-to-Match Color Chip

INHIBITOR FINISH
+NAT = Epoxy Coating for Chlorine Environments
+OFC = Epoxy Coating for Ocean Front Environments

LENS OPTIONS
OPL = Opal Acrylic Lens

SHIELD OPTIONS
OB = Opaque Bottom - Uplight Only
OT = Opaque Top - Downlight Only (Dark Sky)

PHOTOCELL OPTION
9328 = Photocell Button (120/277V) [2]

CONTROL OPTIONS
MANUAL CONTROL (Wall Switch or Control System**)**
Note: Cannot be used with Sensor Controls below
Note: 0-10V (100-30%) Dimming is Standard
D7A = 0-10VDC LED Dimming Driver (100-10%)
D7B = 0-10VDC LED Dimming Driver (100-1%)
BLS = Bi-Level Switching (Includes Two Drivers) [2]

OR

Sensor Control (Sensor Integral to Fixture**)**
Note: Cannot be used with Manual Controls above
OCC = Occupancy Sensing | Motion Sensor Integral [2] [20]
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets: ON/OFF (0%/100%)
BLD = Bi-Level Dimming | Motion Sensor Integral [2] [20]
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets:
10% / 20% / 30% (Standard) / 50%
BLDA-E = Bi-Level Dimming | Motion Sensor External [2] [20]
— Ambient Light Sensing Feature (AMB)
— Microwave / Single Feed / 120/277V Only
— Standby Dim Level Presets: 10% / 20% / 30% / 50%

BACK BOX OPTIONS
BB2 = 24" X 1.75" Back Box
BB3 = 36" X 1.75" Back Box
BB4 = 48" X 1.75" Back Box
BB4D = 48" X 2" Back Box

MISC OPTIONS
FUS = Single Fusing
DFUS = Double Fusing (For BLS Applications)
PS = On/Off Push Switch (120V Only)

EMERGENCY BATTERY OPTIONS [55]
Meets California Energy Commission Title 20:
(CEC-400-2014-009-CMF) Efficiency Standards
EL8W = Integral LED 8 Watt [2]
EL10W = Integral LED 10 Watt [2]
EL16W = Integral LED 16 Watt [2]

REL8W = Remote LED 8 Watt
REL10W = Remote LED 10 Watt
REL16W = Remote LED 16 Watt

Cold Weather Emergency Batteries:
Operating Temp: -20°C thru 50°C / *NON-CEC Compliant*
EL10W-CW = Integral LED 10 Watt (Cold Weather) [2]
REL10W-CW = Remote LED 10 Watt (Cold Weather)

ACCESSORY OPTIONS (order as a separate line)
9002 = Tamperproof Screwdriver
REMT0009 = Remote Controller for Sensor Options

NOTES:
[2] Backbox (BB) Required.
[20] Max mounting height of fixture is 18' (18 feet).
[55] Final selection of the Battery Pack under discretion of Factory.

LED WATTAGE				
Visit www.eclipselightinginc.com for available IES files				
Fixture		**Astro XL**	**Astro XL1**	**Astro XL2**
Dimensions L x H x D		**24" x 4.8" x 4"**	**36" x 4.8" x 4"**	**48" x 4.8" x 4"**
Light Emitting Diode	**LED**	20W / 30W	30W / 40W / 50W	40W / 50W / 60W [2]

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ECLIPSE™ LIGHTING

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LED WATTAGE/LUMEN DATA CHARTS

LED Watts vs. LED Color Temp — Lumen Output

CCT	3000K (3K)	3500K (35K)	4000K (4K)	5000K (5K)
15 Watt	1866 Lumens	1897 Lumens	1950 Lumens	2012 Lumens
20 Watt	2354 Lumens	2394 Lumens	2460 Lumens	2539 Lumens
30 Watt	3470 Lumens	3528 Lumens	3626 Lumens	3742 Lumens
40 Watt	4709 Lumens	4788 Lumens	4921 Lumens	5078 Lumens
50 Watt	5700 Lumens	5795 Lumens	5956 Lumens	6147 Lumens
60 Watt [2]	6841 Lumens	6955 Lumens	7148 Lumens	7377 Lumens

NOTE: Lumen Output listed is estimated based upon delivered lumens at 25°C. For Additional information, see LM79 Report.

Lumen Ambient Temp Multipliers

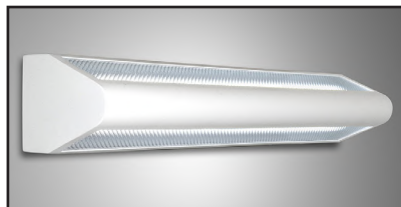| Ambient Temp.	Lumen Multiplier
0°C / 32°F	1.05
10°C / 50°F	1.03
20°C / 68°F	1.01
25°C / 77°F	**1.00**
30°C / 86°F	0.99
40°C / 104°F	0.96

NOTE: Use these multipliers to determine relative lumen output for average ambient temps for 0-40°C (32-104°F).

Projected LED Lumen Maintenance

Operating Hours	Lumen Maintenance Factor
0 Hrs	1.0
25,000 Hrs	0.97
50,000 Hrs	0.95
100,000 Hrs	0.90

MOUNTING

Ceiling Mount (C)

Horizontal Wall Mount (HR)
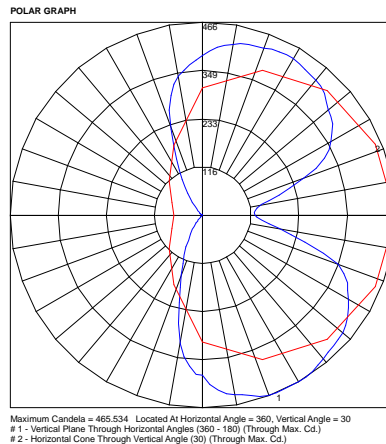
OPTIONS

4.8"
2"
4"
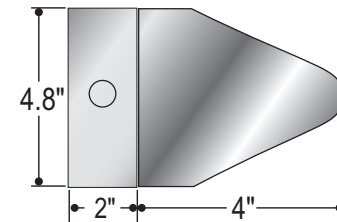
Astro Side View
Shown with BB option (Non-ADA)

PHOTOMETRIC DATA

Summary of Results | AS-XL-HR-OPL-LED15-4K-UNV-WH-D7B

Lumen Output	Efficacy	Input Power	CCT	Distribution	BUG Rating
1,958.5 Lumens	130.6 Lm/W	15.0W	4000K	Type IV	B0-U4-G1

LCS Summary

Zone	Lumens
Forward Low (0-30)	174.5
Forward Medium (30-60)	405.4
Forward High (60-80)	193.3
Forward Very High (80-90)	44.2
Back Low (0-30)	99.1
Back Medium (30-60)	67.7
Back High (60-80)	8.8
Back Very High (80-90)	1.0
Up Low (90-100)	41.3
Up High (100-180)	923.2

POLAR GRAPH

Maximum Candela = 465.534 Located At Horizontal Angle = 360, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (360 – 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

Summary of Results | AS-XL2-C-CPR-LED60-5K-UNV

Lumen Output	Efficacy	Input Power	CCT	Distribution	BUG Rating
6,407.3 Lumens	107.7 Lm/W	59.5W	5000K	Type IV	B1-U5-G2

LCS Summary

Zone	Lumens
Forward Low (0-30)	570.9
Forward Medium (30-60)	1326.4
Forward High (60-80)	632.4
Forward Very High (80-90)	144.5
Back Low (0-30)	324.1
Back Medium (30-60)	221.5
Back High (60-80)	28.7
Back Very High (80-90)	3.2
Up Low (90-100)	135.1
Up High (100-180)	3020.5

POLAR GRAPH

Maximum Candela = 15231 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

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Eclipse Lighting   pg.2
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