GALAXY

eralux®

LED COMMERCIAL DOWNLIGHT

Recessed Downlight | 4", 6", & 8" Round

The GALAXY is a recessed downlight offers a range of optical options. Variety of reflectors and trim finishes available making it an attractive addition. It comes in round shape. It is available in multiple power switchable options 18/24/30W for 4" & 6" or 30/40/50W for 6" and 8" multiple CCTs and adjustable beam angles , with low UGR 16, 19

Applications: Schools | Show Rooms | Retail Stores | Hospitality | Offices | Commercial

DYNAMIC MENU

Install Instruction link

SPECIFICATIONS

Input Voltage	120-347V
Power Factor	>0.9
Total Harmonic Distortion	<20%
Dimming Page 7	TRIAC & 0-10V (down 10%) for 30W 0-10V (down to 1%) for 50W
CRI	90 CRI
CCT	27K 30K 35K 40K 50K
Efficacy	~70-100 lm/W
Size and Power	4 inch	18/24/30W 6 inch	18/24/30W	30/40/50W 8 inch	30/40/50W
Ambient Temperature Range	-25˚C to 40˚C
Mounting Options	New construction	Retrofit
Reflector/Flange Finish	(black) (silver) (white)
Protection	Wet Rated; suitable for wet location 2.5KV Surge Protector
Adjustable beam angle	24°-36°-60° for 30W 36°-42°-65° for 50W
Distribution	24° 36° 42° 60°

PRODUCT FEATURE

POWER SWITCHABLE | CCT SWITCHABLE | Wet Rated | Adjustable beam angle

Emergency Backup Battery | Surge Protector

PRODUCT CERTIFICATIONS

5 YEARS WARRANTY eralux | RoHS | ETL Listed US | ENERGY STAR

SYSTEM WARRANTY – 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L70 at 50,000 hours

Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25˚C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

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👆 ORDERING GUIDE

AE-DL-GX		-275	

AE-DL-GX
ERALUX GALAXY Round
Recessed downlight

120-347V

-4R | -30W
4 inch | 30/24/18W
-6R | -30W
6 inch | 30/24/18W
-6R | -50W
6 inch | 50/40/30W
-8R | -30W
8 inch | 30/24/18W
-8R | -50W
8 inch | 50/40/30W

-275
27/30/35/40/50K
Switchable

90CRI

-WH | W
Matte White Reflector and Flange
-BK | B
Matte Black Reflector and Flange
-SV | S
Matte Silver Reflector and Flange

Fixture Family	Size | Power	CCT	Reflector | Flange Finish

Module	Input Voltage	Power	LPW	Lumens	Beam Angle	Dimming	IC Rating	Flange Size
30W	120-347V	30/24/18W	~70-100	2700/2400/1800lm	Adjustable 24°-36°-60°	0-10V (Down to 10%)	Non-IC rated	4 | 6 | 8 inch
50W		50/40/30W		4550/4000/3000lm	Adjustable 36°-42°-65°	0-10V (Down to 1%)	Non-IC rated	6 | 8 inch

BEAM ANGLE	UGR
24°	**<16**
24°-42°	**<19**

👆 ORDERING GUIDE – FRAME KIT | EMBB

AE-DL-FRKT
ERALUX
FRAME KITS
Round Downlights

[BLANK]
Frame kit
-PL
Chicago plenum

-04
4 Inches
-06
6 Inches
-08
8 Inches

[BLANK]
No EMBB
BLD-HM8D-YYY
8W emergency battery backup

Fixture Family	Option	SIZE

EMBB

NOTES	1. Junction Box is included with the frame kit.

DIMENSIONS

DRIVER & LIGHT ENGINE

30W	50W
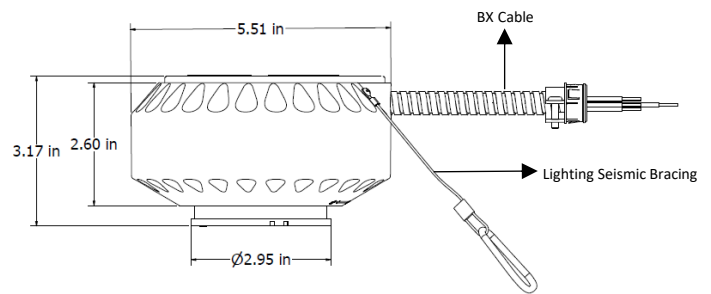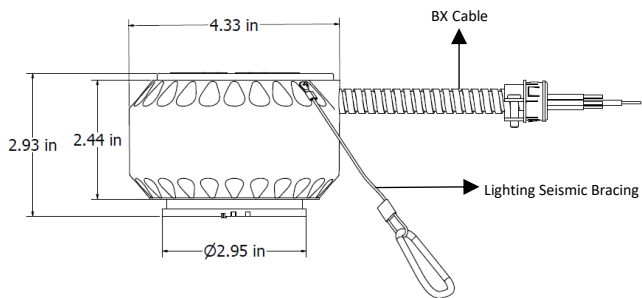
BX Cable length: 17 in – 18 in
Lighting Seismic Bracing Length: 19 in

REFLECTOR

4" ROUND	6" ROUND	8" ROUND
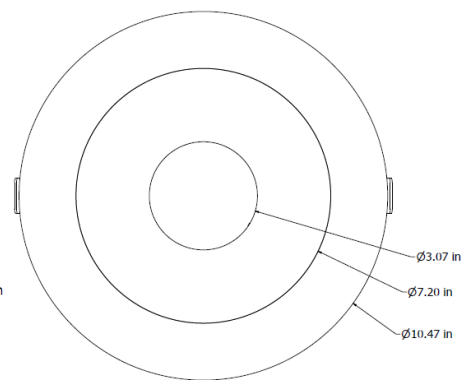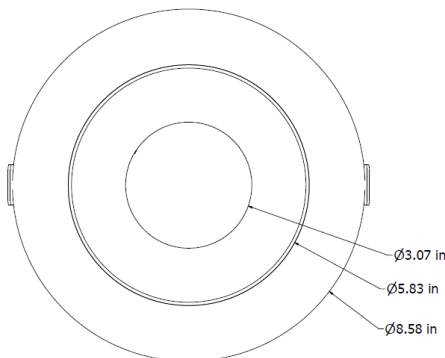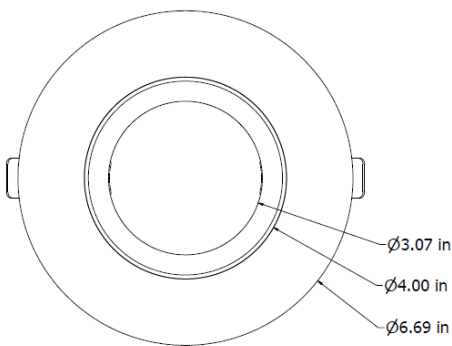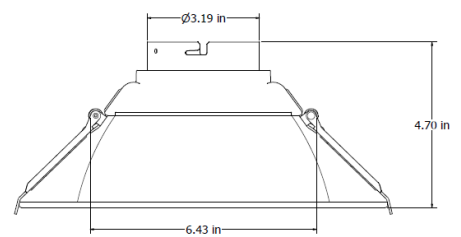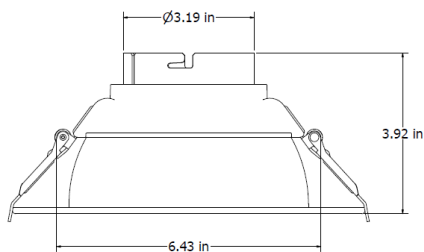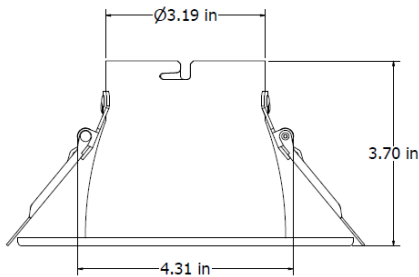
DIMENSIONS

FIXTURE

AE-DL-GX-4R-30W

5.74 in
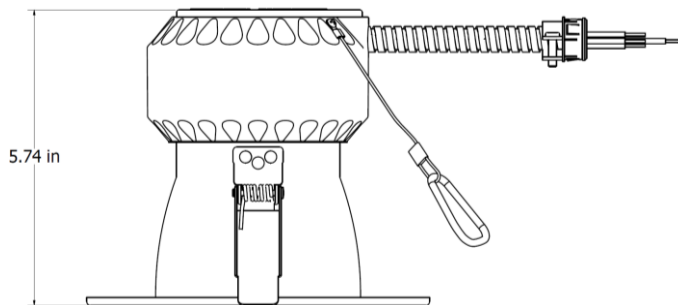
Ceiling cut-out:
4.75 in Ø

AE-DL-GX-6R-30W

5.94 in

AE-DL-GX-6R-50W

6.10 in
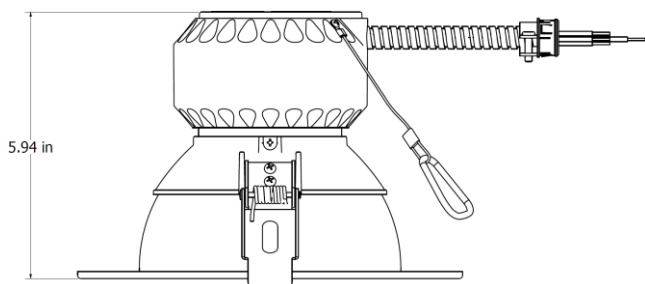
Ceiling cut-out:
7 in Ø

AE-DL-GX-8R-30W

6.73 in

AE-DL-GX-8R-50W

6.89 in
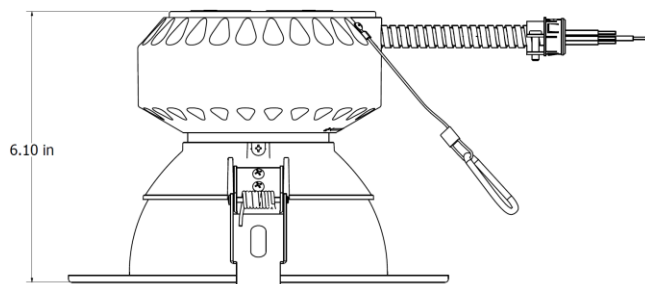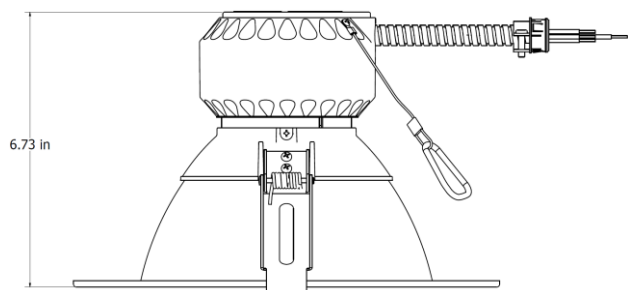
Ceiling cut-out:
8 in Ø

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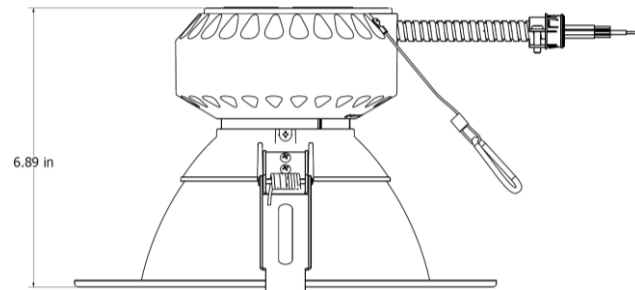
ADJUSTABLE BEAM ANGLE

DRIVER & LIGHT ENGINE	
30W	**50W**
Adjustable beam angle to any value between 24°, 36° and 60° Place the arrow at the desired angle by twisting the lens before installing the reflector	Adjustable beam angle to any value between 36°, 42° and 65° Place the arrow at the desired angle by twisting the lens before installing the reflector
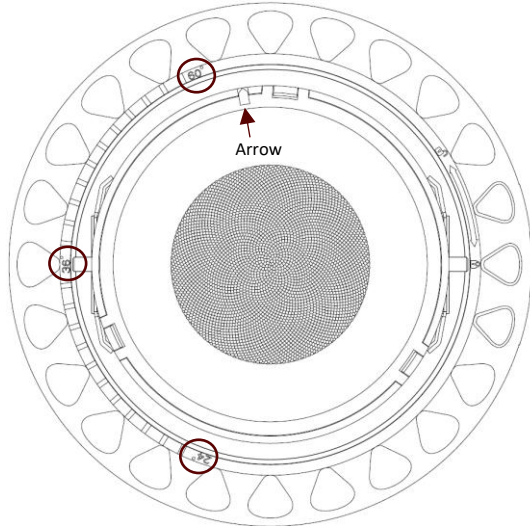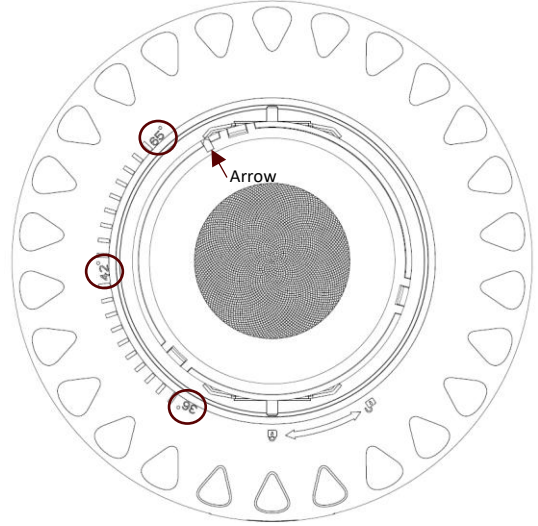
REFLECTOR

SHAPE	FINISH		
	WHITE	**DIFFUSED SILVER**	**BLACK**
4-inch			
6-inch			
8-inch			
DESCRIPTION	Maximizes and diffuses light, providing soft and even illumination.	Evenly scatters light, creating a soft, balanced illumination with reduced glare.	Absorbs light, creating a focused and dramatic effect with minimized glare.

MOUNTING ACCESSORIES

Ordered separately, field installed.

NEW CONSTRUCTION FRAME KIT

SPECIFICATIONS	
MATERIAL	• 22-gauge galvanized steel housing • Galvanized steel junction box with multiple knockouts
MOUNTING	T Grid Ceiling
	Gypsum Ceiling
	Maximum Thickness ~1.5"
LENGTH (A)	12.75"
WIDTH (B)	8.63"

OPENING SIZE			
ORDERING CODE	**SIZE**	**SHAPE**	**C**
AE-DL-FRKT-04	4"	Round	Ø 4.5"
AE-DL-FRKT-06	6"	Round	Ø 6.37"
AE-DL-FRKT-08	8"	Round	Ø 7.25 "
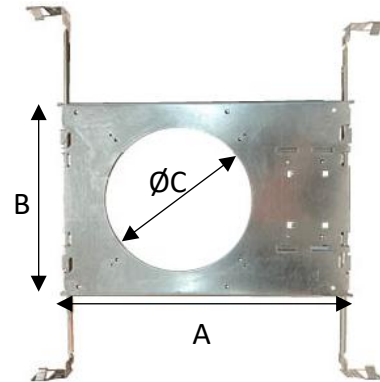
CHICAGO PLENUM

SPECIFICATIONS	
MATERIAL	27-gauge galvanized steel frame Galvanized steel junction box with gasket
MOUNTING	T-bar or drywall ceilings Up to 1.5" thick

OPENING SIZE		
ORDERING CODE	**SIZE**	**SHAPE**
AE-DL-FRKT-PL-04	4"	Round
AE-DL-FRKT-PL-06	6"	Round
AE-DL-FRKT-PL-08	8"	Round

COMPONENTS
Chicago Plenum External Cover
Chicago Plenum Internal Cover
Chicago Plenum I.C. Box
Chicago Plenum 4-inch Plaster Frame
Chicago Plenum 6-inch Plaster Frame
Chicago Plenum 8-inch Plaster Frame
Chicago Plenum Suspension Bars (2 sets)
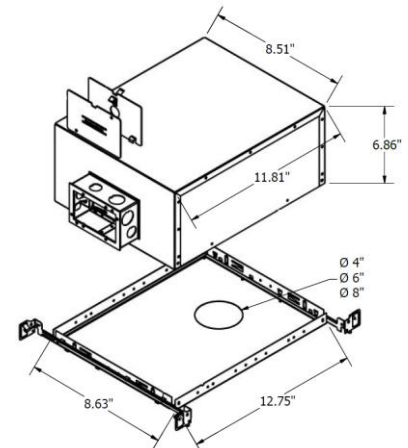
CONTROLS

Ordered separately, field installed

EMERGENCY LED DRIVER (BLD-HMXXD-YYY)

BLD-HM8D-YYY

The BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90 minutes of lighting. With an integrated battery, charger, and converter, it delivers 6-25W constant power at 170VDC. Ideal for 0-10V dimmable indoor commercial LED fixtures, such as flat panels, troffers, downlights, and linear strip lights.

SPECIFICATIONS	
Input Voltage	100-347 Vac
Power Frequency	50/60HZ
Input Power	8W max
Output Voltage	170V Dc
Output Power	8W
Ambient Temperature	0˚C to 50˚C
	30˚F to 122˚F
Installation	Remote
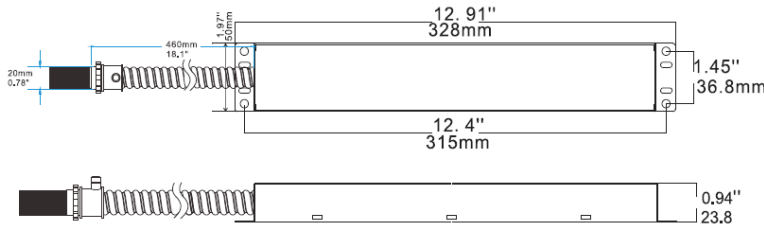
ROOM OCCUPANCY SENSOR

PART NUMBER	DESCRIPTION
AE-CT-DT806	Line Voltage Motion Sensor
RC102	RC102 Remote Control

SPECIFICATIONS		
Input Voltage	120-277 Vac	
Power Frequency	50/60HZ	
Rated Load	At 120 Vac	800W
	At 277 Vac	1200W
Detection Range	3-10 Meters	
	9.8-32.8 Feet	
Standby Power	~0.9W	
Time Setting	10 sec to 30 min	
Light Control	10-2,000LUX	
Installation	Ceiling Mounted	

DIMMER COMPATIBILITY LIST

0-10V DIMMING

Brand	Model
LUTRON	RMJS-8TN-DV-B
	DVSTV-36WH29
	DVSTV-WH
LEGRAND	RH4FBL3PTCCCV6
	RH4FBL3PTC
LEVITON	IP710-LFZ

LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

LUMEN ESTIMATE ADJUSTMENT FACTORS				
CCT	2700K	3000K	3500K	4000K
PREMIUM (90CRI)	0.94	1	1.02	1.03

PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-4R-30W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	30W	0-20˚	1206.72	52.3		1234 fc	1.3 ft	0.8 ft
CCT	4000K	0-30˚	1735.72	75.2		309 fc	2.5 ft	1.7 ft
Distribution	24˚	0-40˚	2048.22	88.8		137 fc	3.8 ft	2.5 ft
SIZE	4"	0-60˚	2213.54	95.9		77.1 fc	5.0 ft	3.4 ft
UGR	15.8	0-80˚	2288.18	99.2		49.4 fc	6.3 ft	4.2 ft
		0-90˚	2307.79	100		34.3 fc	7.6 ft	5.1 ft

Vert. Spread: 28.3°
Horiz. Spread: 19.3°

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-4R-30W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	30W	0-20˚	678.09	36.4		320 fc	2.8 ft	2.7 ft
CCT	4000K	0-30˚	1219.32	65.4		80.1 fc	5.6 ft	5.3 ft
Distribution	60˚	0-40˚	1515.69	81.3		35.6 fc	8.4 ft	8.0 ft
SIZE	4"	0-60˚	1732	92.9		20 fc	11.2 ft	10.6 ft
UGR	20	0-80˚	1847.87	99.1		12.8 fc	14.0 ft	13.3 ft
		0-90˚	1864.44	100		8.9 fc	16.8 ft	15.9 ft

Vert. Spread: 58.5°
Horiz. Spread: 56.0°

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Recessed Downlight | 4", 6", & 8" Round

PHOTOMETRIC DATA

AE-DL-GX-6R-30W (Distribution 24°)

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-6R-30W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	30W	0-20°	1521.17	52.9		1366 fc	1.2 ft	1.1 ft
CCT	5000K	0-30°	2144.91	74.6		342 fc	2.4 ft	2.2 ft
Distribution	24°	0-40°	2561.36	89.1		152 fc	3.6 ft	3.2 ft
SIZE	6"	0-60°	2804.64	97.5		85.4 fc	4.8 ft	4.3 ft
UGR	12.8	0-80°	2860.26	99.5		54.6 fc	6.0 ft	5.4 ft
		0-90°	2875.41	100		37.9 fc	7.2 ft	6.5 ft

Vert. Spread: 27.2°
Horiz. Spread: 24.4°

AE-DL-GX-6R-30W (Distribution 60°)

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-6R-30W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	30W	0-20°	706.4	30.7		323 fc	3.3 ft	3.3 ft
CCT	5000K	0-30°	1369.28	59.5		80.8 fc	6.7 ft	6.6 ft
Distribution	60°	0-40°	1895.57	82.3		35.9 fc	10.0 ft	9.9 ft
SIZE	6"	0-60°	2179.16	94.6		20.2 fc	13.4 ft	13.2 ft
UGR	17.5	0-80°	2281.93	99.1		12.9 fc	16.7 ft	16.6 ft
		0-90°	2303.14	100		8.97 fc	20.1 ft	19.9 ft

Vert. Spread: 67.6°
Horiz. Spread: 67.0°

AE-DL-GX-6R-50W (Distribution 36°)

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-6R-50W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	50W	0-20°	1811.63	38.9		1246 fc	1.5 ft	1.4 ft
CCT	5000K	0-30°	2910.61	62.5		311 fc	3.0 ft	2.8 ft
Distribution	36°	0-40°	3801.12	81.6		138 fc	4.5 ft	4.2 ft
SIZE	6"	0-60°	4463.35	95.8		77.9 fc	6.1 ft	5.5 ft
UGR	19.5	0-80°	4631.05	99.4		49.8 fc	7.6 ft	6.9 ft
		0-90°	4658.62	100		34.6 fc	9.1 ft	8.3 ft

Vert. Spread: 33.7°
Horiz. Spread: 30.9°

AE-DL-GX-6R-50W (Distribution 65°)

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-6R-50W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	50W	0-20°	1153.73	27.6		579 fc	3.1 ft	3.5 ft
CCT	5000K	0-30°	2226.48	53.3		145 fc	6.3 ft	7.0 ft
Distribution	65°	0-40°	3201.29	76.7		64.3 fc	9.4 ft	10.4 ft
SIZE	6"	0-60°	3921.45	93.9		36.2 fc	12.5 ft	13.9 ft
UGR	21.4	0-80°	4141.2	99.2		23.2 fc	15.7 ft	17.4 ft
		0-90°	4175.62	100		16.1 fc	18.8 ft	20.9 ft

Vert. Spread: 64.2°
Horiz. Spread: 69.6°

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PHOTOMETRIC DATA

Block 1

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-8R-30W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	30W	0-20°	1457.61	55.6		1171 fc	1.3 ft	1.0 ft
CCT	2700K	0-30°	2017.32	77		293 fc	2.5 ft	1.9 ft
Distribution	24°	0-40°	2378.52	90.8		130 fc	3.8 ft	2.9 ft
SIZE	8"	0-60°	2562.68	97.8		73.2 fc	5.0 ft	3.9 ft
UGR	12.4	0-80°	2608.59	99.6		46.8 fc	6.3 ft	4.8 ft
		0-90°	2619.61	100		32.5 fc	7.6 ft	5.8 ft

Vert. Spread: 28.3°
Horiz. Spread: 21.9°

Block 2

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-8R-30W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	30W	0-20°	697.29	31.9		342 fc	3.0 ft	3.3 ft
CCT	2700K	0-30°	1329.96	60.8		85.4 fc	6.1 ft	6.5 ft
Distribution	60°	0-40°	1833.5	83.8		38 fc	9.1 ft	9.8 ft
SIZE	8"	0-60°	2096.86	95.9		21.4 fc	12.2 ft	13.1 ft
UGR	16.6	0-80°	2173.74	99.4		13.7 fc	15.2 ft	16.3 ft
		0-90°	2187.04	100		9.49 fc	18.3 ft	19.6 ft

Vert. Spread: 62.7°
Horiz. Spread: 66.3°

Block 3

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-8R-50W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	50W	0-20°	1939.17	40.5		1402 fc	1.5 ft	1.5 ft
CCT	4000K	0-30°	3088.35	64.5		351 fc	3.0 ft	2.9 ft
Distribution	36°	0-40°	3999.09	83.5		156 fc	4.5 ft	4.4 ft
SIZE	8"	0-60°	4608.81	96.3		87.6 fc	6.0 ft	5.8 ft
UGR	19.7	0-80°	4763.08	99.5		56.1 fc	7.5 ft	7.3 ft
		0-90°	4786.61	100		39 fc	9.0 ft	8.7 ft

Vert. Spread: 33.3°
Horiz. Spread: 32.5°

Block 4

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-DL-GX-8R-50W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	50W	0-20°	1254.66	27.9		644 fc	3.0 ft	3.0 ft
CCT	4000K	0-30°	2402.34	53.5		161 fc	6.0 ft	6.1 ft
Distribution	65°	0-40°	3452.94	76.8		71.5 fc	9.1 ft	9.1 ft
SIZE	8"	0-60°	4243.42	94.4		40.2 fc	12.1 ft	12.2 ft
UGR	21.1	0-80°	4454.83	99.1		25.7 fc	15.1 ft	15.2 ft
		0-90°	4493.15	100		17.9 fc	18.1 ft	18.3 ft

Vert. Spread: 62.3°
Horiz. Spread: 62.7°

Control Solution

Aria Plus Bluetooth based control system with motion sensor and light schedule Room Sensor

Refer to Lighting control (Aria) spec sheet for more information

Compatibility
- Indoor Cylinder
- Downlights
- Commercial office
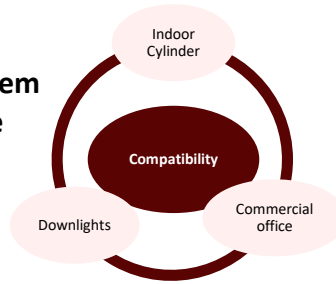
EFS107

PPA103S

It is a low-voltage, dual-tech ceiling mount room sensor that combines PIR and ultrasonic technologies to provide high accuracy and wide coverage.

| Parameters	
Input Voltage	12V
Application	Indoor / Outdoor
Detection Range	50ft Max
Mounting Height	20ft Max
Bluetooth Transmit	200ft Max
Operating Temperature	-30°C to 55°C
IP Rating	IP66
Installation	Ceiling (2.2" cutout)
Detection	PIR DLH

Features
Powered by luminaire controllers (PPA103S)
Easily installed to any ceiling
PIR technology
Daylight harvesting available
Schedule lighting
On/off with dimming option
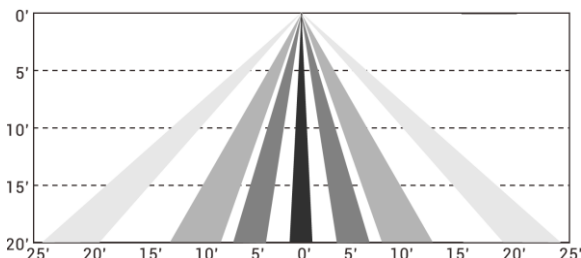
It is a power pack that provides 12V DC output to power sensors and switching for non-dim-to-off LED drivers. The PPA103S also provides a 0-10V dimming wire for bi-level motion control and relay output.

Parameters	
Input Voltage	120-347V
Output Power	360W
Application	Indoor
Bluetooth Transmit	200ft MAX
Operating Temperature	-30°C to 55°C
IP Rating	IP20
Installation	Flat Surface
Knockout	½ inch US standard

Features
high-efficiency switching power supply and a 6A relay
Well-suited for applications that require high-voltage switching through low voltage controls
Offers 12VDC, 200mA to power the sensor
Needs Sensor
Can power up to 360W total power fixtures (ex: 10 of 36W fixtures)

GALAXY

LED COMMERCIAL DOWNLIGHT
Recessed Downlight | 4", 6", & 8" Round

eralux®
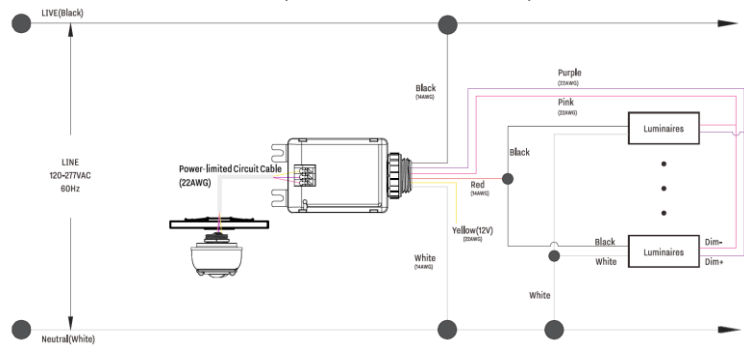
OVERVIEW

Innovative Design
- Aluminum die-cast heatsink
- Improved design extends LED and driver lifespan.
- Stainless steel spring-action clip.
- Quick connector for easy installation

Quick Connector

BX Cable

Seismic Bracing

Spring-Action Clip

Multiple Options

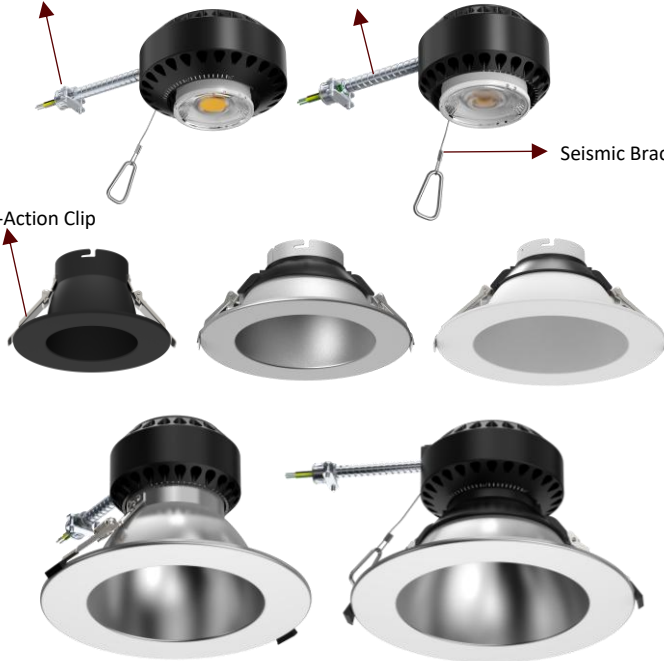POWER SWITCHABLE

CCT SWITCHABLE

Adjustable beam angle

- Two power options; 30/24/18W and 50/40/30W.
- Three sizes; 4, 6 and 8inch
- Five CCTs switchable; 27/30/35/40/50K
- Adjustable beam angle; 24°-36°-60° for 30W 36°-42°-65° for 50W.
- Three reflector finishes; black, white, and matte silver.

Mountings Available

Durable stainless steel spring action housing clips for retrofit installations or the new construction frame kit for new constructions.

Protection

Surge Protector

Wet Rated

- 2.5KV surge protector
- Wet rated suitable for wet locations, such as washrooms, kitchens.

Accessories
- New construction frame kit.
- Emergency back up battery.
- Compatible with Aria Plus – Bluetooth based control system

Emergency backup battery

Tests And Certifications

5 YEARS WARRANTY eralux

RoHS

c ETL US INTERTEK LISTED

ENERGY STAR