

LED COMMERCIAL DOWNLIGHT

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

The GALAXY is a recessed downlight offers a range of optical options. The variety of reflectors and trim finishes available makes it an attractive addition. 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 a low UGR of 16 or 19.

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

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



DYNAMIC MENU

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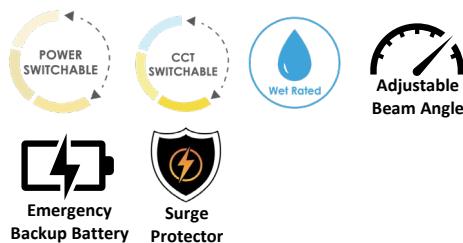
[Install Instruction link](#)

SPECIFICATIONS

Input Voltage	120-277/347V
Power Factor	>0.9
Total Harmonic Distortion	<20%
Dimming Page 10	0-10V (down to 10%)
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 18/24/30W 30/40/50W
Ambient Temperature Range	-25°C to 40°C
Mounting Options	New construction Retrofit
Reflector/Flange Finish	
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 FEATURES



PRODUCT CERTIFICATIONS



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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AE-DL-GX					-275																			
AE-DL-GX ERALUX GALAXY Round Recessed Downlight 120-277/347V					-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					-WHW Matte White Reflector and Flange -BKB Matte Black Reflector and Flange -SVS Matte Silver Reflector and Flange					[BLANK] No Option -JB ¹ Separate Junction Box				
Fixture Family					Size Power					CCT					Reflector Flange Finish					Option				

1. Junction Box is included at the end of whip for retrofit applications.

Module	Input Voltage	Power	LPW	Lumens	Beam Angle	Dimming	IC Rating	Flange Size
30W	120-277/347V	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°			6 8 inch

BEAM ANGLE	UGR
24°	<16
24°-42°	<19



AE-DL-FRKT		
AE-DL-FRKT ERALUX FRAME KIT Round Downlights	-05 5 inch -06 6 inch -08 8 inch	[BLANK] No EMBB BLD-HM8D-YYY 8W Emergency Battery Backup
Fixture Family	Size	EMBB

1. The 5 inch frame kit is compatible with the 4 inch Galaxy.
2. Junction box is included with the frame kit.

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LUMEN OUTPUT

WHITE REFLECTOR	SIZE	POWER	BEAM ANGLE RANGE	LUMENS
	4 IN	18W	24°-60°	1550-1250
		24W	24°-60°	2025-1600
		30W	24°-60°	2340-2050
	6 IN	18W	24°-60°	1610-1355
		24W	24°-60°	2100-1763
		30W	24°-60°	2580-2080
		30W	36°-65°	3102-2680
		40W	36°-65°	3885-3430
		50W	36°-65°	4440-3986
	8 IN	18W	24°-60°	1595-1343
		24W	24°-60°	2050-1827
		30W	24°-60°	2662-2218
		30W	36°-65°	3049-2640
		40W	36°-65°	3895-3513
		50W	36°-65°	4796-4076

LUMEN OUTPUT ADJUSTMENT FACTORS			
SIZE	4 in	6 in	8 in
BLACK REFLECTOR	0.84	0.88	
SILVER REFLECTOR			

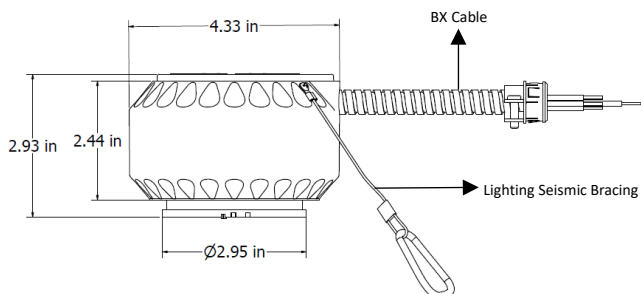
LED COMMERCIAL DOWNLIGHT

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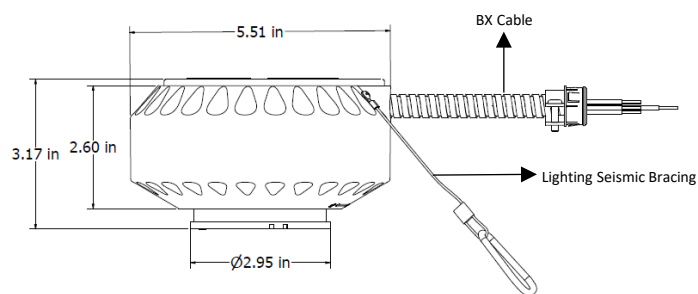
DIMENSIONS

DRIVER & LIGHT ENGINE

30W



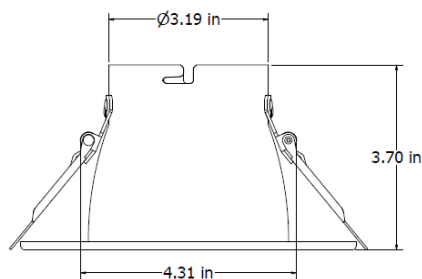
50W



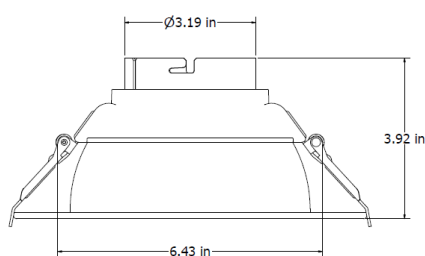
BX Cable length: 17 in – 18 in
Lighting Seismic Bracing Length: 19 in

REFLECTOR

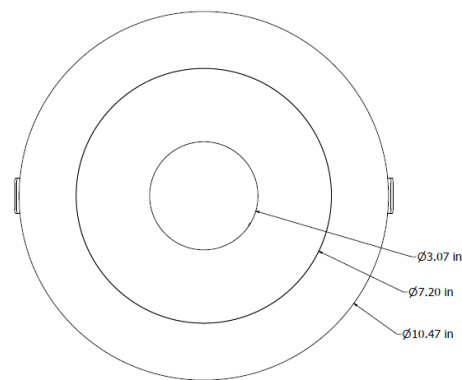
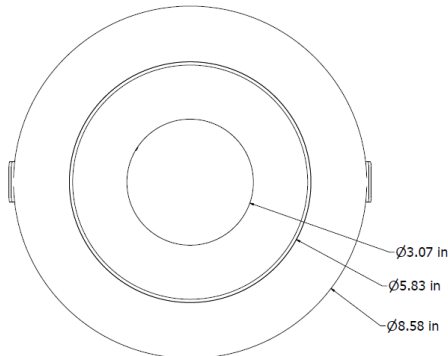
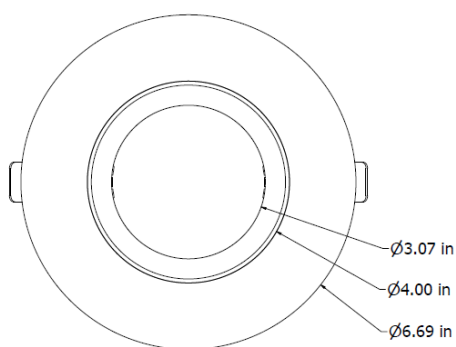
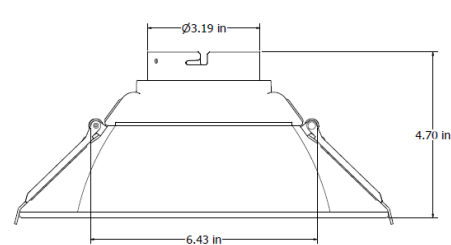
4" ROUND



6" ROUND



8" ROUND



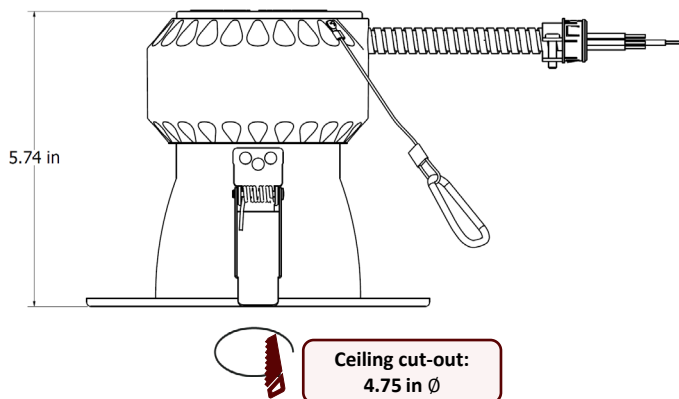
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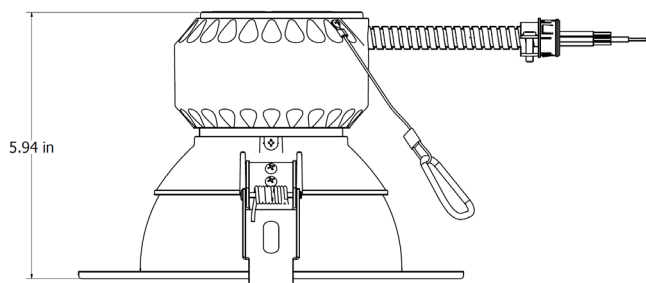
DIMENSIONS

FIXTURE

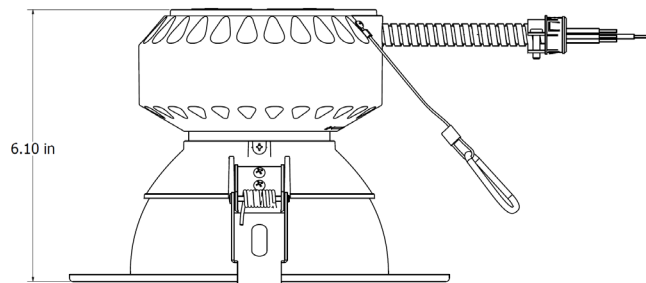
AE-DL-GX-4R-30W



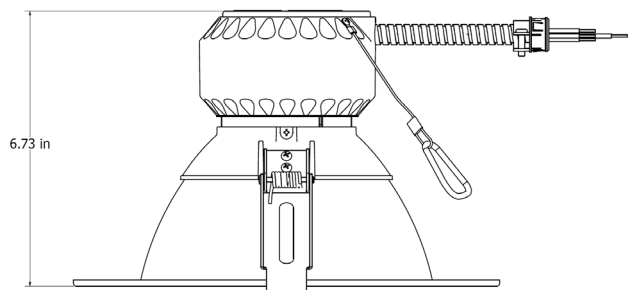
AE-DL-GX-6R-30W



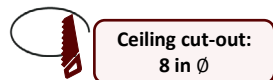
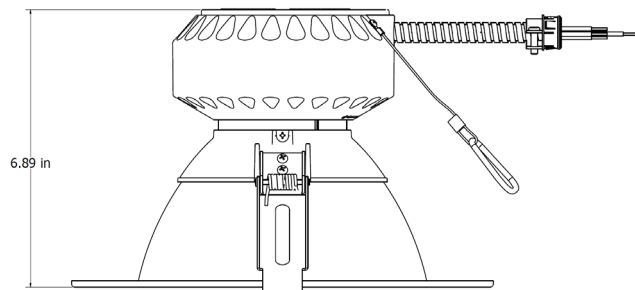
AE-DL-GX-6R-50W



AE-DL-GX-8R-30W



AE-DL-GX-8R-50W



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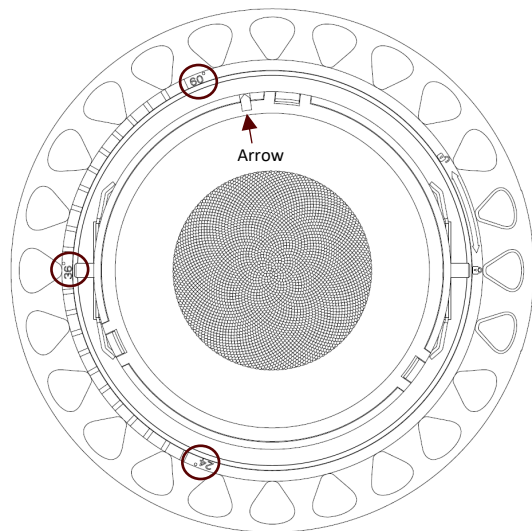
ADJUSTABLE BEAM ANGLE

DRIVER & LIGHT ENGINE

30W

Adjustable beam angle to any value between 24°, 36° and 60°.

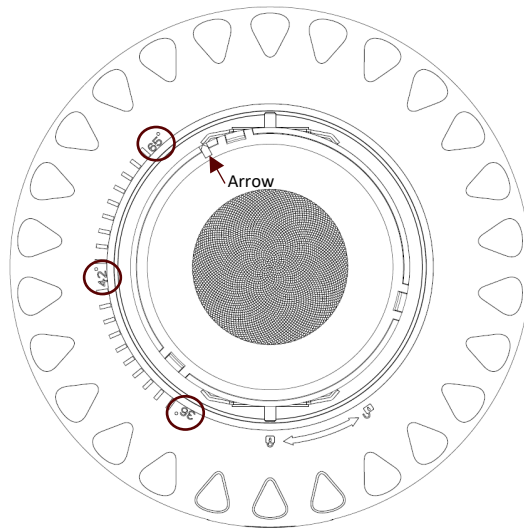
Place the arrow at the desired angle by twisting the lens before installing the reflector



50W

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

FINISH

SHAPE

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.

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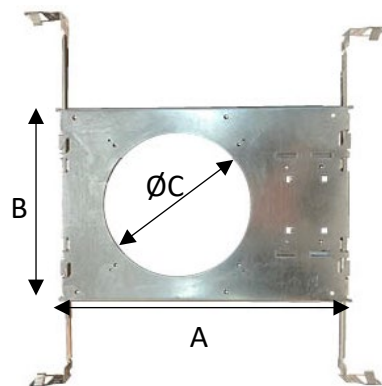
MOUNTING ACCESSORIES

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	Maximum Thickness ~1.5"
	Gypsum Ceiling	
LENGTH (A)	12.75"	
WIDTH (B)	8.63"	

OPENING SIZE			
ORDERING CODE	SIZE	SHAPE	C
AE-DL-FRKT-05	5"	Round	Ø 4.9"
AE-DL-FRKT-06	6"	Round	Ø 6.37"
AE-DL-FRKT-08	8"	Round	Ø 7.25 "



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CONTROLS

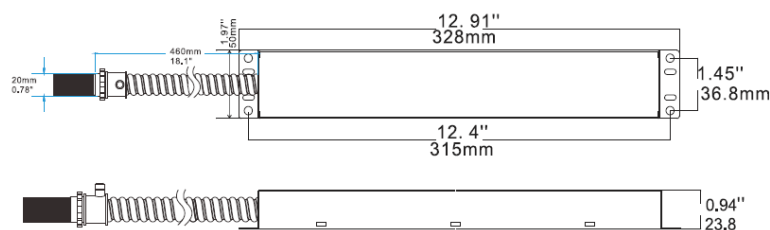
Ordered separately, field installed

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.

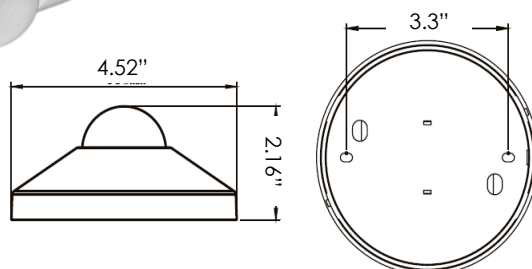


SPECIFICATIONS

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

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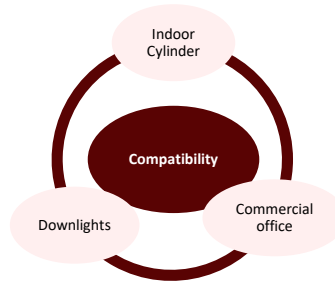
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CONTROLS

ARIA PLUS

- Bluetooth-based control system with motion sensor and light schedule room sensor
- Refer to Aria spec sheet for more information

EFS207 is a low-voltage, dual-tech ceiling mount room sensor that combines PIR and ultrasonic technologies to provide high accuracy and wide coverage.



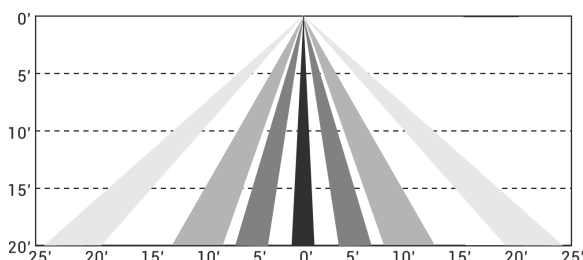
PPA103S



PPA103S 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.

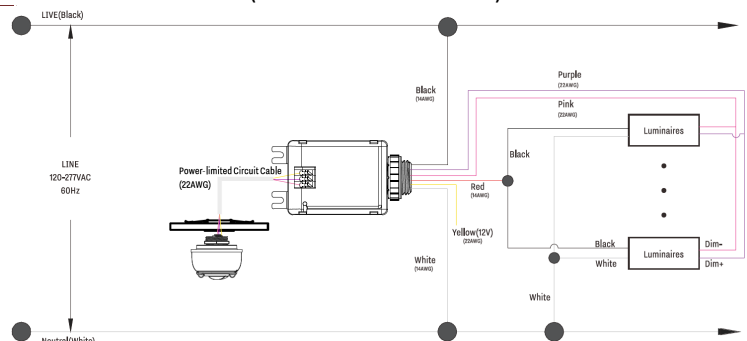
Parameters	
Input Voltage	12V
Application	Indoor / Outdoor
Detection Range	50ft Max
Mounting Height	20ft Max
Bluetooth Transmit	200ft Max
Operating Temperature	-30°C to 55°C
IP Rating	IP66
Installation	Ceiling (2.2" cutout)
Detection	PIR DLH

Features	
Powered by luminaire controllers (PPA103S)	
Easily installed to any ceiling	
PIR technology	
Daylight harvesting available	
Schedule lighting	
On/off with dimming option	



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)	



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DIMMER COMPATIBILITY LIST

0-10V DIMMING

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

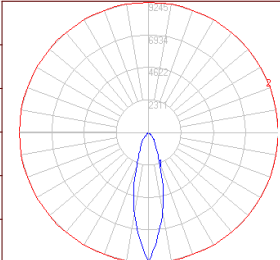
LUMEN ESTIMATE

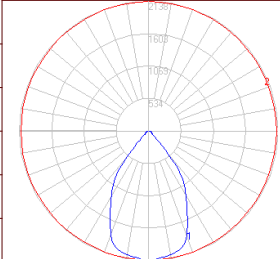
Lumen output varies based on CCT and CRI. Use correction factors as per table below:

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-8R-30W		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	30W	0-20°	1457.61	55.6		2.5ft	1171 fc	1.3 ft 1.0 ft
CCT	2700K	0-30°	2017.32	77		5.0ft	293 fc	2.5 ft 1.9 ft
Distribution	24°	0-40°	2378.52	90.8		7.5ft	130 fc	3.8 ft 2.9 ft
SIZE	8"	0-60°	2562.68	97.8		10.0ft	73.2 fc	5.0 ft 3.9 ft
UGR	12.4	0-80°	2608.59	99.6		12.5ft	46.8 fc	6.3 ft 4.8 ft
		0-90°	2619.61	100		15.0ft	32.5 fc	7.6 ft 5.8 ft
						Vert. Spread: 28.3° Horiz. Spread: 21.9°		

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		2.5ft	342 fc	3.0 ft 3.3 ft
CCT	2700K	0-30°	1329.96	60.8		5.0ft	85.4 fc	6.1 ft 6.5 ft
Distribution	60°	0-40°	1833.5	83.8		7.5ft	38 fc	9.1 ft 9.8 ft
SIZE	8"	0-60°	2096.86	95.9		10.0ft	21.4 fc	12.2 ft 13.1 ft
UGR	16.6	0-80°	2173.74	99.4		12.5ft	13.7 fc	15.2 ft 16.3 ft
		0-90°	2187.04	100		15.0ft	9.49 fc	18.3 ft 19.6 ft
						Vert. Spread: 62.7° Horiz. Spread: 66.3°		

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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		2.5ft	1234 fc	1.3 ft 0.8 ft
CCT	4000K	0-30°	1735.72	75.2		5.0ft	309 fc	2.5 ft 1.7 ft
Distribution	24"	0-40°	2048.22	88.8		7.5ft	137 fc	3.8 ft 2.5 ft
						10.0ft	77.1 fc	5.0 ft 3.4 ft
SIZE	4"	0-60°	2213.54	95.9		12.5ft	49.4 fc	6.3 ft 4.2 ft
UGR	15.8	0-80°	2288.18	99.2		15.0ft	34.3 fc	7.6 ft 5.1 ft
		0-90°	2307.79	100	■ 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		2.5ft	320 fc	2.8 ft 2.7 ft
CCT	4000K	0-30°	1219.32	65.4		5.0ft	80.1 fc	5.6 ft 5.3 ft
Distribution	60"	0-40°	1515.69	81.3		7.5ft	35.6 fc	8.4 ft 8.0 ft
						10.0ft	20 fc	11.2 ft 10.6 ft
SIZE	4"	0-60°	1732	92.9		12.5ft	12.8 fc	14.0 ft 13.3 ft
UGR	20	0-80°	1847.87	99.1		15.0ft	8.9 fc	16.8 ft 15.9 ft
		0-90°	1864.44	100	■ Vert. Spread: 58.5° ■ Horiz. Spread: 56.0°			

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		2.5ft	1402 fc	1.5 ft 1.5 ft
CCT	4000K	0-30°	3088.35	64.5		5.0ft	351 fc	3.0 ft 2.9 ft
Distribution	36"	0-40°	3999.09	83.5		7.5ft	156 fc	4.5 ft 4.4 ft
						10.0ft	87.6 fc	6.0 ft 5.8 ft
SIZE	8"	0-60°	4608.81	96.3		12.5ft	56.1 fc	7.5 ft 7.3 ft
UGR	19.7	0-80°	4763.08	99.5		15.0ft	39 fc	9.0 ft 8.7 ft
		0-90°	4786.61	100	■ Vert. Spread: 33.3° ■ Horiz. Spread: 32.5°			

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		2.5ft	644 fc	3.0 ft 3.0 ft
CCT	4000K	0-30°	2402.34	53.5		5.0ft	161 fc	6.0 ft 6.1 ft
Distribution	65"	0-40°	3452.94	76.8		7.5ft	71.5 fc	9.1 ft 9.1 ft
						10.0ft	40.2 fc	12.1 ft 12.2 ft
SIZE	8"	0-60°	4243.42	94.4		12.5ft	25.7 fc	15.1 ft 15.2 ft
UGR	21.1	0-80°	4454.83	99.1		15.0ft	17.9 fc	18.1 ft 18.3 ft
		0-90°	4493.15	100	■ Vert. Spread: 62.3° ■ Horiz. Spread: 62.7°			

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PHOTOMETRIC DATA

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		2.5ft	1366 fc	1.2 ft 1.1 ft
CCT	5000K	0-30°	2144.91	74.6		5.0ft	342 fc	2.4 ft 2.2 ft
Distribution	24°	0-40°	2561.36	89.1		7.5ft	152 fc	3.6 ft 3.2 ft
SIZE	6"	0-60°	2804.64	97.5		10.0ft	85.4 fc	4.8 ft 4.3 ft
UGR	12.8	0-80°	2860.26	99.5		12.5ft	54.6 fc	6.0 ft 5.4 ft
		0-90°	2875.41	100		15.0ft	37.9 fc	7.2 ft 6.5 ft
					■ Vert. Spread: 27.2° ■ Horiz. Spread: 24.4°			
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		2.5ft	323 fc	3.3 ft 3.3 ft
CCT	5000K	0-30°	1369.28	59.5		5.0ft	80.8 fc	6.7 ft 6.6 ft
Distribution	60°	0-40°	1895.57	82.3		7.5ft	35.9 fc	10.0 ft 9.9 ft
SIZE	6"	0-60°	2179.16	94.6		10.0ft	20.2 fc	13.4 ft 13.2 ft
UGR	17.5	0-80°	2281.93	99.1		12.5ft	12.9 fc	16.7 ft 16.6 ft
		0-90°	2303.14	100		15.0ft	8.97 fc	20.1 ft 19.9 ft
					■ Vert. Spread: 67.6° ■ Horiz. Spread: 67.0°			
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		2.5ft	1246 fc	1.5 ft 1.4 ft
CCT	5000K	0-30°	2910.61	62.5		5.0ft	311 fc	3.0 ft 2.8 ft
Distribution	36°	0-40°	3801.12	81.6		7.5ft	138 fc	4.5 ft 4.2 ft
SIZE	6"	0-60°	4463.35	95.8		10.0ft	77.9 fc	6.1 ft 5.5 ft
UGR	19.5	0-80°	4631.05	99.4		12.5ft	49.8 fc	7.6 ft 6.9 ft
		0-90°	4658.62	100		15.0ft	34.6 fc	9.1 ft 8.3 ft
					■ Vert. Spread: 33.7° ■ Horiz. Spread: 30.9°			
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		2.5ft	579 fc	3.1 ft 3.5 ft
CCT	5000K	0-30°	2226.48	53.3		5.0ft	145 fc	6.3 ft 7.0 ft
Distribution	65°	0-40°	3201.29	76.7		7.5ft	64.3 fc	9.4 ft 10.4 ft
SIZE	6"	0-60°	3921.45	93.9		10.0ft	36.2 fc	12.5 ft 13.9 ft
UGR	21.4	0-80°	4141.2	99.2		12.5ft	23.2 fc	15.7 ft 17.4 ft
		0-90°	4175.62	100		15.0ft	16.1 fc	18.8 ft 20.9 ft
					■ Vert. Spread: 64.2° ■ Horiz. Spread: 69.6°			

LED COMMERCIAL DOWNLIGHT

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

OVERVIEW



Innovative Design

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



Multiple Options

- 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.



Quick Connector

BX Cable

Seismic Bracing

Spring-Action Clip



Mountings Available

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



Protection

- 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



Tests And Certifications

