

GALAXY

One downlight that covers most specs, with power, CCT and beam angle all switchable on site. It comes in 4, 6 and 8in with 90 CRI and 0-10V dimming, is wet rated and has 2.5kV surge protection built in, at an economical price.

Education

Show Room

Retail Store

Hospitality

Offices

Commercial



Project Information

Type: Date:
 Project:
 Catalog #:
 Notes:



Key Specifications

Electrical

Input voltage	120–277/347V
Power factor	> 0.9
THD	< 20%
Dimming	0-10V (down to 10%)
Power	30/24/18W · 50/40/30W

Optical

Lumen range	1800–4550lm
Efficacy	~70–100lm/W
CRI	90
CCT	Switchable 2700K–5000K
Distribution	24°–36°–60° · 36°–42°–65°

Physical

Aperture	4 · 6 · 8in round
Cut-out	Ø 4.75 · 7 · 8in
Mounting	New construction · Retrofit
Finish	White · Black · Silver
Ambient	–25°C to 40°C
Application	Wet rated · Non-IC rated
Protection	2.5KV surge protector
Accessories	Frame kit · EMBB · Sensor · Aria

Certifications

Listings	cETLus · Energy Star · RoHS
Lumen maintenance	L70 at 50000h

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 thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

Lumen Maintenance

L70 at 50000h

Rated for 70% initial lumen output at 50000h of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-DL-GX

01 FIXTURE FAMILY



AE-DL-GX

Galaxy, round recessed downlight · 120–277/347V

02 SIZE | POWER

4

in

-4R-30W

30/24/18W

6

in

-6R-30W

30/24/18W

6

in

-6R-50W

50/40/30W

8

in

-8R-30W

30/24/18W

8

in

-8R-50W

50/40/30W

03 CCT

5

CCT

-275

Switchable 2700K · 3000K · 3500K · 4000K · 5000K · 90 CRI ¹

04 REFLECTOR FINISH



-WHW

Matte white



-BKB

Matte black



-SVS

Matte silver

05 OPTION

Blank

No option

-JB

J-box ²

1. One fixture, five CCTs: 2700K, 3000K, 3500K, 4000K and 5000K are switchable; power is switchable too (30/24/18W or 50/40/30W). 2. A junction box is included at the end of the whip for retrofit applications; -JB is a separate junction box. Frame kit and emergency battery backup are ordered from page 03; the sensors and the dimmer list are on page 12. [Install Instruction link](#)

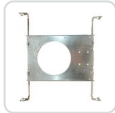
Accessory Ordering Guide

New Construction Frame Kit

RESET

AE-DL-FRKT

01 ACCESSORY FAMILY



AE-DL-FRKT

New construction frame kit for round downlights ²

02 SIZE

5

in

-05

5in ¹

6

in

-06

6in

8

in

-08

8in

1. The 5in frame kit is compatible with the 4in Galaxy. 2. A junction box is included with the frame kit.

Emergency Battery Backup

RESET

BLD-HM

01 ACCESSORY FAMILY



BLD-HM

Emergency LED driver, remote installation · up to 90min of emergency lighting

02 POWER

8

W

08D-YYY

8W output

15

W

15D-YYY

15W output

25

W

25D-YYY

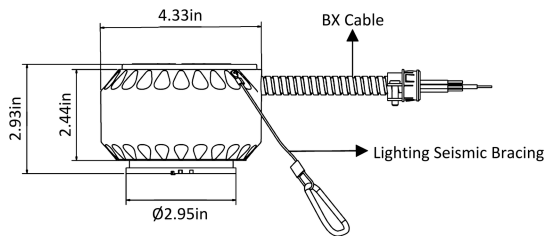
25W output

Accessories are ordered separately and field installed. Frame kit and emergency driver dimensions and specifications are on page 07; the sensors and the dimmer list are on page 12.

Dimensions

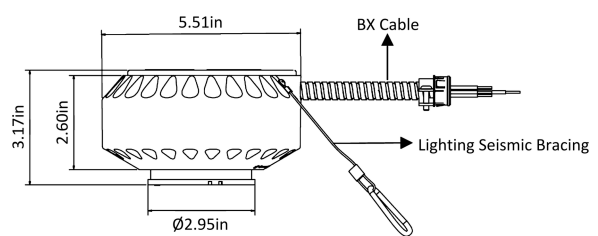
All dimensions in inches.

Driver & Light Engine



30W 30W module

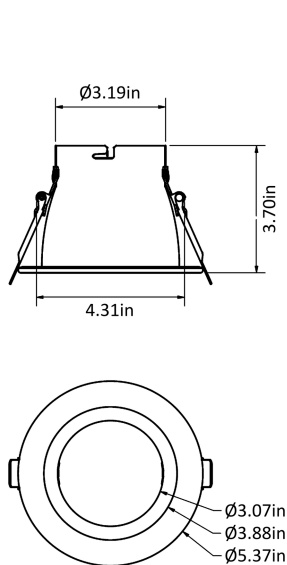
BX cable and lighting seismic bracing



50W 50W module

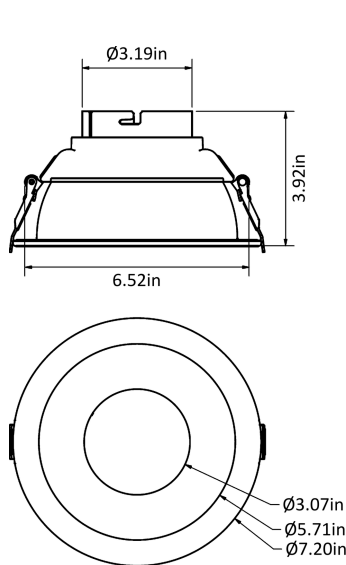
BX cable and lighting seismic bracing

Reflector



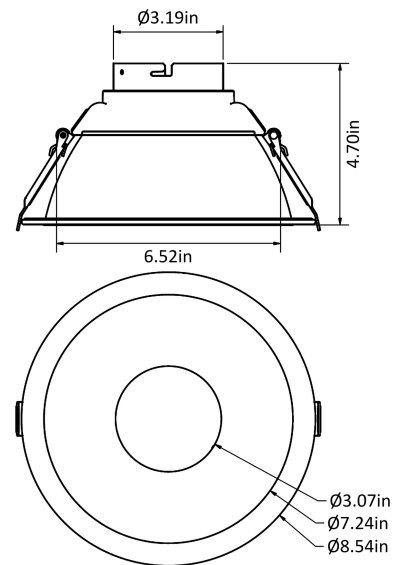
4in round

Side and plan



6in round

Side and plan



8in round

Side and plan

Cut-Out & Installation

Ceiling cut-out

Ø 4.75in (4in)

Ø 7in (6in)

Ø 8in (8in)

BX cable length

17–18in

Seismic bracing

19in

Fixing

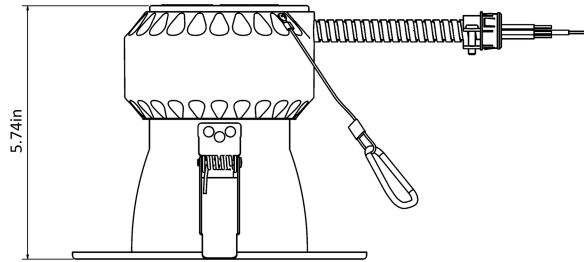
Spring-action clips

Junction box

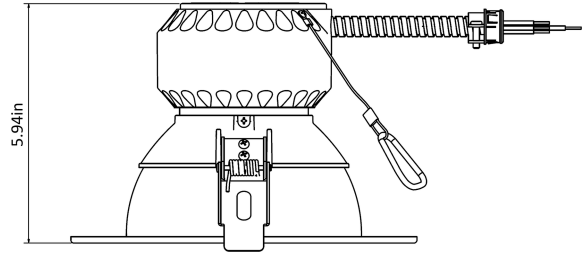
At the end of the whip

Dimensions

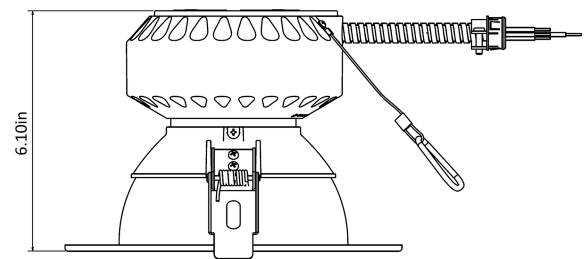
Fixture



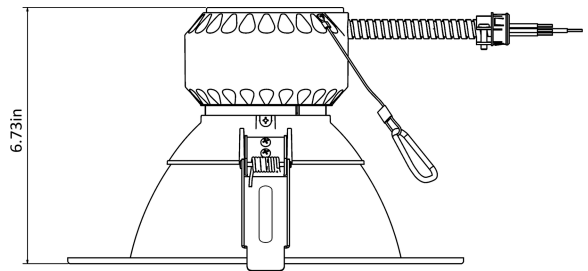
-4R-30W 4in round, 30W module



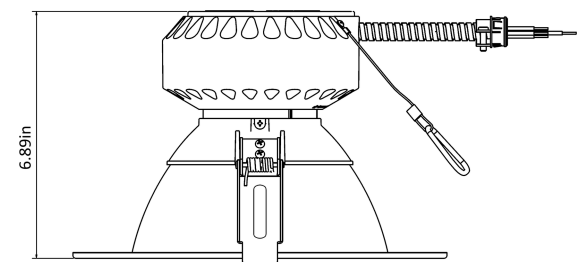
-6R-30W 6in round, 30W module



-6R-50W 6in round, 50W module



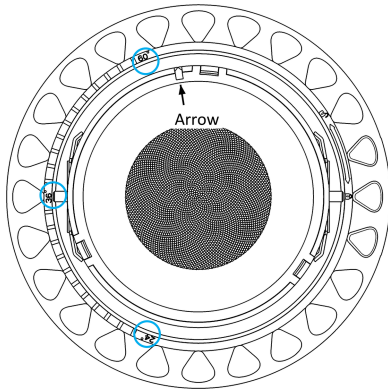
-8R-30W 8in round, 30W module



-8R-50W 8in round, 50W module

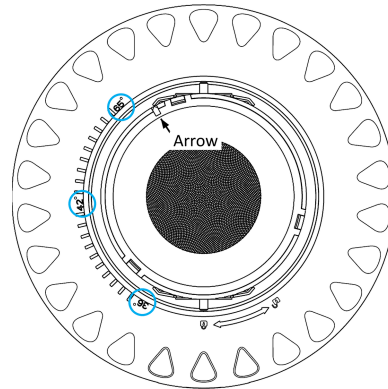
Trim & Reflector Options

Adjustable Beam Angle



30W 24° · 36° · 60°

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 36° · 42° · 65°

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



-WHW White · 4in



-SVS Diffused silver · 4in



-BKB Black · 4in



-WHW White · 6in



-SVS Diffused silver · 6in



-BKB Black · 6in



-WHW White · 8in



-SVS Diffused silver · 8in



-BKB Black · 8in

White: maximizes and diffuses light, providing soft and even illumination.

Diffused silver: evenly scatters light, creating a soft, balanced illumination with reduced glare.

Black: absorbs light, creating a focused and dramatic effect with minimized glare.

Accessory Dimensions

New Construction Frame Kit

AE-DL-FRKT-05

Frame kit, 5in round · Ø 4.9in opening

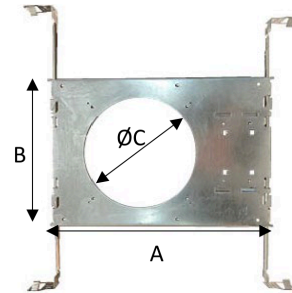
AE-DL-FRKT-06

Frame kit, 6in round · Ø 6.37in opening

AE-DL-FRKT-08

Frame kit, 8in round · Ø 7.25in opening

Material	22-gauge galvanized steel
Junction box	Galvanized steel, knockouts
Mounting	T-grid · Gypsum ceiling
Ceiling thickness	~1.5in max.
Length (A)	12.75in
Width (B)	8.63in



Emergency Battery Backup

BLD-HM08D-YYY

Emergency LED driver, 8W

BLD-HM15D-YYY

Emergency LED driver, 15W

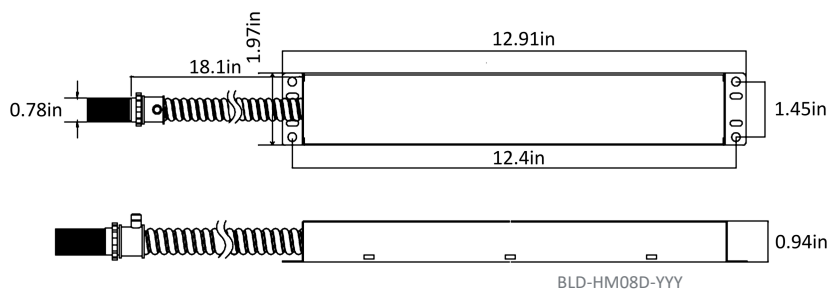
BLD-HM25D-YYY

Emergency LED driver, 25W

Input voltage	100–347V
Power frequency	50/60Hz
Input power	6W max · 12W · 12W
Output voltage	170V DC
Output power	8W · 15W · 25W
Ambient	0°C to 50°C · 30°F to 122°F
Installation	Remote



UL listed for field and factory installation. Switches to emergency mode during a power failure and provides up to 90min of light; battery, charger and converter are integrated. Delivers 8W, 15W or 25W constant power at 170V DC; for 0-10V dimmable indoor commercial LED fixtures such as flat panels, troffers, downlights and linear strip lights.



All dimensions in inches. Accessories are ordered separately and field installed.

Lumen Output

Module Specifications

	30W MODULE	50W MODULE
Power	30/24/18W	50/40/30W
Lumens	2700/2400/1800lm	4550/4000/3000lm
Beam angle	24°- 36°- 60°	36°- 42°- 65°
Flange size	4 6 8in	6 8in
IC rating	Non-IC rated	Non-IC rated

Beam Angle & UGR

BEAM ANGLE	UGR
24°	<16
24°-42°	<19

Lumen Output — White Reflector

SIZE	POWER	BEAM ANGLE RANGE	LUMENS
4in	18W	24°-60°	1550-1250
	24W	24°-60°	2025-1600
	30W	24°-60°	2340-2050
6in	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
8in	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 — Reflector

Black reflector 4in	× 0.84	Black reflector 6in	× 0.88
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Multiply the white-reflector lumens by the factor for the black reflector.

Photometric Data

Lumen Estimate Adjustment Factors

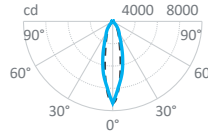
2700K × 0.94 3000K × 1 3500K × 1.02 4000K × 1.03

Factors for 90 CRI. Lumen output varies based on CCT and CRI; multiply by the factor for the CCT selected.

AE-DL-GX-8R-30W

8in • 30W • 24°

		ZONE	LUMENS	% FIXTURE
		0-20°	1205.53	50.28
Wattage	27.4W	0-30°	1763.96	73.56
CCT	2700K	0-40°	2144.87	89.45
Distribution	25°	0-60°	2341.74	97.66
SIZE	8in	0-80°	2385.89	99.50
UGR	12.4	0-90°	2397.86	100.00

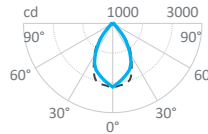


DISTANCE	CENTER Fc	BEAM WIDTH
2.5ft	1171	1.3ft 1.0ft
5.0ft	293	2.5ft 1.9ft
7.5ft	130	3.8ft 2.9ft
10.0ft	73.2	5.0ft 3.8ft
12.5ft	46.8	6.3ft 4.8ft
15.0ft	32.5	7.6ft 5.8ft
Vert. spread		28.3°
Horiz. spread		21.8°

AE-DL-GX-8R-30W

8in • 30W • 60°

		ZONE	LUMENS	% FIXTURE
		0-20°	697.29	31.88
Wattage	27.8W	0-30°	1329.96	60.81
CCT	2700K	0-40°	1833.50	83.83
Distribution	64°	0-60°	2096.86	95.88
SIZE	8in	0-80°	2173.74	99.39
UGR	16.6	0-90°	2187.04	100.00

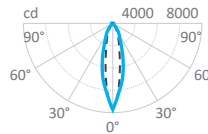


DISTANCE	CENTER Fc	BEAM WIDTH
2.5ft	342	3.0ft 3.3ft
5.0ft	85.4	6.1ft 6.5ft
7.5ft	38.0	9.1ft 9.8ft
10.0ft	21.4	12.2ft 13.1ft
12.5ft	13.7	15.2ft 16.3ft
15.0ft	9.49	18.3ft 19.6ft
Vert. spread		62.7°
Horiz. spread		66.3°

AE-DL-GX-4R-30W

4in • 30W • 24°

		ZONE	LUMENS	% FIXTURE
		0-20°	1206.72	52.29
Wattage	27.4W	0-30°	1735.72	75.21
CCT	4000K	0-40°	2048.22	88.75
Distribution	24°	0-60°	2213.54	95.92
SIZE	4in	0-80°	2288.18	99.15
UGR	15.8	0-90°	2307.79	100.00

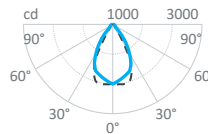


DISTANCE	CENTER Fc	BEAM WIDTH
2.5ft	1234	1.3ft 0.8ft
5.0ft	309	2.5ft 1.7ft
7.5ft	137	3.8ft 2.5ft
10.0ft	77.1	5.0ft 3.4ft
12.5ft	49.4	6.3ft 4.2ft
15.0ft	34.3	7.6ft 5.1ft
Vert. spread		28.3°
Horiz. spread		19.2°

AE-DL-GX-4R-30W

4in • 30W • 60°

		ZONE	LUMENS	% FIXTURE
		0-20°	678.09	36.37
Wattage	27.6W	0-30°	1219.32	65.40
CCT	4000K	0-40°	1515.69	81.29
Distribution	60°	0-60°	1732.00	92.90
SIZE	4in	0-80°	1847.87	99.11
UGR	20	0-90°	1864.44	100.00



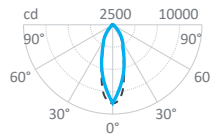
DISTANCE	CENTER Fc	BEAM WIDTH
2.5ft	320	3.1ft 2.7ft
5.0ft	80.1	6.2ft 5.3ft
7.5ft	35.6	9.3ft 8.0ft
10.0ft	20.0	12.4ft 10.6ft
12.5ft	12.8	15.5ft 13.3ft
15.0ft	8.90	18.6ft 15.9ft
Vert. spread		63.7°
Horiz. spread		55.9°

Photometric Data

AE-DL-GX-8R-50W

8in · 50W · 36°

		ZONE	LUMENS	% FIXTURE
		0-20°	1939.17	40.51
Wattage	51.3W	0-30°	3088.35	64.52
CCT	4000K	0-40°	3999.09	83.55
Distribution	33°	0-60°	4608.81	96.29
SIZE	8in	0-80°	4763.08	99.51
UGR	19.7	0-90°	4786.61	100.00

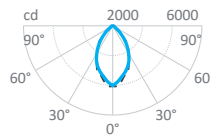


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	1402	1.5ft	1.5ft
5.0ft	351	3.0ft	2.9ft
7.5ft	156	4.5ft	4.4ft
10.0ft	87.6	6.0ft	5.8ft
12.5ft	56.1	7.5ft	7.3ft
15.0ft	39.0	9.0ft	8.7ft
Vert. spread		33.5°	
Horiz. spread		32.5°	

AE-DL-GX-8R-50W

8in · 50W · 65°

		ZONE	LUMENS	% FIXTURE
		0-20°	1254.66	27.92
Wattage	50W	0-30°	2402.34	53.47
CCT	4000K	0-40°	3452.94	76.85
Distribution	63°	0-60°	4243.42	94.44
SIZE	8in	0-80°	4454.83	99.15
UGR	21.1	0-90°	4493.15	100.00

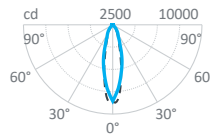


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	644	3.0ft	3.0ft
5.0ft	161	6.1ft	6.1ft
7.5ft	71.5	9.1ft	9.1ft
10.0ft	40.2	12.2ft	12.2ft
12.5ft	25.7	15.2ft	15.2ft
15.0ft	17.9	18.3ft	18.3ft
Vert. spread		62.7°	
Horiz. spread		62.7°	

AE-DL-GX-6R-30W

6in · 30W · 24°

		ZONE	LUMENS	% FIXTURE
		0-20°	1521.17	52.90
Wattage	28W	0-30°	2144.92	74.60
CCT	5000K	0-40°	2561.36	89.08
Distribution	26°	0-60°	2804.64	97.54
SIZE	6in	0-80°	2860.26	99.47
UGR	12.8	0-90°	2875.41	100.00

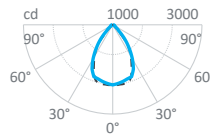


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	1366	1.3ft	1.1ft
5.0ft	342	2.5ft	2.2ft
7.5ft	152	3.8ft	3.2ft
10.0ft	85.4	5.0ft	4.3ft
12.5ft	54.6	6.3ft	5.4ft
15.0ft	37.9	7.5ft	6.5ft
Vert. spread		28.2°	
Horiz. spread		24.3°	

AE-DL-GX-6R-30W

6in · 30W · 60°

		ZONE	LUMENS	% FIXTURE
		0-20°	706.40	30.67
Wattage	27.8W	0-30°	1369.28	59.45
CCT	5000K	0-40°	1895.57	82.30
Distribution	68°	0-60°	2179.16	94.62
SIZE	6in	0-80°	2281.93	99.08
UGR	17.5	0-90°	2303.14	100.00



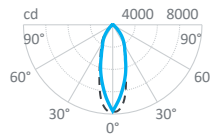
DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	323	3.4ft	3.3ft
5.0ft	80.8	6.8ft	6.6ft
7.5ft	35.9	10.3ft	9.9ft
10.0ft	20.2	13.7ft	13.3ft
12.5ft	12.9	17.1ft	16.6ft
15.0ft	8.97	20.5ft	19.9ft
Vert. spread		68.8°	
Horiz. spread		67.1°	

Photometric Data

AE-DL-GX-6R-50W

6in · 50W · 36°

		ZONE	LUMENS	% FIXTURE
		0-20°	1811.63	38.89
Wattage	49.9W	0-30°	2910.61	62.48
CCT	4000K	0-40°	3801.12	81.59
Distribution	34°	0-60°	4463.35	95.81
SIZE	6in	0-80°	4631.05	99.41
UGR	19.5	0-90°	4658.62	100.00

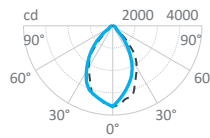


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	1236	1.5ft	1.6ft
5.0ft	309	3.1ft	3.1ft
7.5ft	137	4.6ft	4.7ft
10.0ft	77.3	6.1ft	6.3ft
12.5ft	49.4	7.6ft	7.8ft
15.0ft	34.3	9.2ft	9.4ft
Vert. spread		34.0°	
Horiz. spread		34.8°	

AE-DL-GX-6R-50W

6in · 50W · 65°

		ZONE	LUMENS	% FIXTURE
		0-20°	1156.77	27.00
Wattage	50.1W	0-30°	2246.11	52.43
CCT	5000K	0-40°	3252.30	75.92
Distribution	67°	0-60°	4019.09	93.82
SIZE	6in	0-80°	4244.87	99.09
UGR	21.4	0-90°	4283.72	100.00



DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	579	3.1ft	3.5ft
5.0ft	145	6.3ft	7.0ft
7.5ft	64.3	9.4ft	10.4ft
10.0ft	36.2	12.5ft	13.9ft
12.5ft	23.2	15.7ft	17.4ft
15.0ft	16.1	18.8ft	20.9ft
Vert. spread		64.2°	
Horiz. spread		69.6°	

Sensor & Dimming

Bluetooth Sensors ARIA PLUS · BLE

Ceiling sensors with power pack

Product	Detection type	Detection range	Bluetooth range	Dimming protocol	Compatible power pack		
					PPA103S 360W 120–347V	PPA102S 720W 120–277V	PPA104S.B1 2400W 120–277V
 EFS107 Recessed	PIR	50ft	200ft	0-10V Dimming	●	●	●
 EFS107E Surface mount Daisy chain	PIR Ultrasonic	64ft	200ft	0-10V Dimming	●	●	●

Non-Bluetooth Sensors set up by IR remote

Product	Detection type	Detection range	Set-up	Dimming protocol	Installation
 Detecta AE-CT-DT806	PIR Microphonics	9.8–32.75ft	IR remote	On/Off	Ceiling · no power pack
Remote control RC102					

Please refer to spec sheet for exact specifications for all items above.

Dimmer List

Dimmer Compatibility — 0-10V

Lutron	RMJS-8TN-DV-B · DVSTV-36WH29 · DVSTV-WH
Legrand	RH4FBL3PTCCCV6 · RH4FBL3PTC
Leviton	IP710-LFZ

Compatibility verified by Eralux at time of publication. For dimmers not listed, contact the factory.