

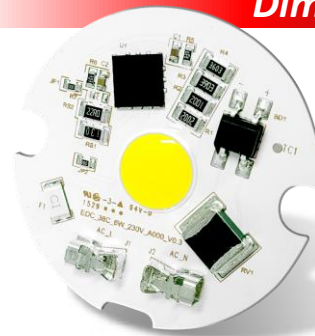
AC-ALL™  DRIVER ON BOARD

EggDrop®

*Innovative AC driving engine
for Down light & Spot light*



Dimmable



AC-ALL™, Lumens AC Driverless Modules/Engines, provides excellent solutions for lighting designers and manufacturers. It is designed to be run on AC direct current so as to bring you the most design flexibility. With its patented Dimming and Flicker reduction solutions, AC-ALL™ enables you to enhance the value of your lighting products the most. EggDrop® of the AC-ALL series is specially designed for Downlight, Spot light, etc. Built on Lumens Flip-chip COB and AC direct technology, EggDrop® can provide you a comprehensive solution to achieve an industry-leading combination of light quality and efficacy.

Features

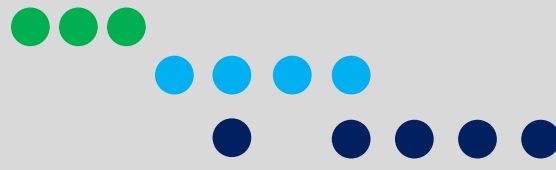
- Wide Power Selection : 4W ~ 40W
- Designs for both 120V and 230V
- Compatible with most TRIAC dimmers
- High Power Conversion Efficiency (>0.85)
- Thermal Shutdown Circuit embedded (150°C)
- High Power Factor (>0.95)
- Low THD (<20%)
- Zhaga Standard Mounting Holes

Applications

- Down Light
- Spot Light

Selection Guide

4W 6W 8W 9W 10W 12W 15W 20W 30W 40W



Outer size : Ø38  Ø47  Ø57 

Electro-Optical Characteristics

Ø38 / 80Ra
(T_c=25°C)

Model No	SIZE [mm]	Power [W]	Lumen Output [lm]	Efficacy [lm/w]	CCT [K]	CRI [Ra]	Color Consist- ency [SDCM]	Input Voltage[V]
EDC/38C/4W/827/120V/B	Ø38(10)	4	372	93	2700	80+	3	120/230
EDC/38C/4W/830/120V/B	Ø38(10)	4	400	100	3000	80+	3	120/230
EDC/38C/4W/835/120V/B	Ø38(10)	4	408	102	3500	80+	3	120/230
EDC/38C/4W/840/120V/B	Ø38(10)	4	416	104	4000	80+	3	120/230
EDC/38C/4W/850/120V/B	Ø38(10)	4	428	107	5000	80+	2	120/230
EDC/38C/6W/827/120V/B	Ø38(10)	6	558	93	2700	80+	3	120/230
EDC/38C/6W/830/120V/B	Ø38(10)	6	600	100	3000	80+	3	120/230
EDC/38C/6W/835/120V/B	Ø38(10)	6	612	102	3500	80+	3	120/230
EDC/38C/6W/840/120V/B	Ø38(10)	6	624	104	4000	80+	3	120/230
EDC/38C/6W/850/120V/B	Ø38(10)	6	642	107	5000	80+	3	120/230
EDC/38C/8W/827/120V/B	Ø38(10)	8	744	93	2700	80+	3	120/230
EDC/38C/8W/830/120V/B	Ø38(10)	8	800	100	3000	80+	3	120/230
EDC/38C/8W/835/120V/B	Ø38(10)	8	816	102	3500	80+	3	120/230
EDC/38C/8W/840/120V/B	Ø38(10)	8	832	104	4000	80+	3	120/230
EDC/38C/8W/850/120V/B	Ø38(10)	8	856	107	5000	80+	3	120/230

- Note:
1. () LES Size (Light Emitting Surface)
 2. Typical Luminous Flux value / T_c=25 °C
 3. Accuracy : CRI (±3), lm (±3%), , Dimension (±0.3mm)
 4. Specifications can be changed without advance notice.
 5. Installation shall follow cautions and guidance that Lumens provides.

Electro-Optical Characteristics

Ø47 / 80Ra
(T_c=25°C)

Model No	SIZE [mm]	Power [W]	Lumen Output [lm]	Efficacy [lm/w]	CCT [K]	CRI [Ra]	Color Consist- ency [SDCM]	Input Voltage[V]
EDC/47C/10W/827/120V/B	Ø47(13)	10	930	93	2700	80+	3	120/230
EDC/47C/10W/830/120V/B	Ø47(13)	10	1000	100	3000	80+	3	120/230
EDC/47C/10W/835/120V/B	Ø47(13)	10	1020	102	3500	80+	3	120/230
EDC/47C/10W/840/120V/B	Ø47(13)	10	1040	104	4000	80+	3	120/230
EDC/47C/10W/850/120V/B	Ø47(13)	10	1070	107	5000	80+	3	120/230
EDC/47C/12W/827/120V/B	Ø47(13)	12	1116	93	2700	80+	3	120/230
EDC/47C/12W/830/120V/B	Ø47(13)	12	1200	100	3000	80+	3	120/230
EDC/47C/12W/835/120V/B	Ø47(13)	12	1224	102	3500	80+	3	120/230
EDC/47C/12W/840/120V/B	Ø47(13)	12	1248	104	4000	80+	3	120/230
EDC/47C/12W/850/120V/B	Ø47(13)	12	1284	107	5000	80+	3	120/230
EDC/47C/15W/827/120V/B	Ø47(13)	15	1395	93	2700	80+	3	120/230
EDC/47C/15W/830/120V/B	Ø47(13)	15	1500	100	3000	80+	3	120/230
EDC/47C/15W/835/120V/B	Ø47(13)	15	1530	102	3500	80+	3	120/230
EDC/47C/15W/840/120V/B	Ø47(13)	15	1560	104	4000	80+	3	120/230
EDC/47C/15W/850/120V/B	Ø47(13)	15	1605	107	5000	80+	3	120/230

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Note:

Electro-Optical Characteristics

Ø47 / 90Ra
(T_c=25°C)

Model No	SIZE [mm]	Power [W]	Lumen Output [lm]	Efficacy [lm/w]	CCT [K]	CRI [Ra]	Color Consist- ency [SDCM]	Input Voltage[V]
EDC/47C/10W/927/120V/B	Ø47(13)	10	818	82	2700	90+	3	120/230
EDC/47C/10W/930/120V/B	Ø47(13)	10	880	88	3000	90+	3	120/230
EDC/47C/10W/935/120V/B	Ø47(13)	10	898	90	3500	90+	3	120/230
EDC/47C/10W/940/120V/B	Ø47(13)	10	915	92	4000	90+	3	120/230
EDC/47C/10W/950/120V/B	Ø47(13)	10	942	94	5000	90+	3	120/230
EDC/47C/12W/927/120V/B	Ø47(13)	12	982	82	2700	90+	3	120/230
EDC/47C/12W/930/120V/B	Ø47(13)	12	1056	88	3000	90+	3	120/230
EDC/47C/12W/935/120V/B	Ø47(13)	12	1077	90	3500	90+	3	120/230
EDC/47C/12W/940/120V/B	Ø47(13)	12	1098	92	4000	90+	3	120/230
EDC/47C/12W/950/120V/B	Ø47(13)	12	1130	94	5000	90+	3	120/230
EDC/47C/15W/927/120V/B	Ø47(13)	15	1228	82	2700	90+	3	120/230
EDC/47C/15W/930/120V/B	Ø47(13)	15	1320	88	3000	90+	3	120/230
EDC/47C/15W/935/120V/B	Ø47(13)	15	1346	90	3500	90+	3	120/230
EDC/47C/15W/940/120V/B	Ø47(13)	15	1373	92	4000	90+	3	120/230
EDC/47C/15W/950/120V/B	Ø47(13)	15	1412	94	5000	90+	3	120/230

- Note:
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Electro-Optical Characteristics

Ø57 / 80Ra
(T_c=25°C)

Model No	SIZE [mm]	Power [W]	Lumen Output [lm]	Efficacy [lm/w]	CCT [K]	CRI [Ra]	Color Consist- ency [SDCM]	Input Voltage[V]
EDC/57C/15W/827/120V/B	Ø57(14)	15	1395	93	2700	80+	3	120/230
EDC/57C/15W/830/120V/B	Ø57(14)	15	1500	100	3000	80+	3	120/230
EDC/57C/15W/835/120V/B	Ø57(14)	15	1530	102	3500	80+	3	120/230
EDC/57C/15W/840/120V/B	Ø57(14)	15	1560	104	4000	80+	3	120/230
EDC/57C/15W/850/120V/B	Ø57(14)	15	1605	107	5000	80+	3	120/230
EDC/57C/20W/827/120V/C	Ø57(14)	20	1860	93	2700	80+	3	120/230
EDC/57C/20W/830/120V/C	Ø57(14)	20	2000	100	3000	80+	3	120/230
EDC/57C/20W/835/120V/C	Ø57(14)	20	2040	102	3500	80+	3	120/230
EDC/57C/20W/840/120V/C	Ø57(14)	20	2080	104	4000	80+	3	120/230
EDC/57C/20W/850/120V/C	Ø57(14)	20	2140	107	5000	80+	3	120/230
EDC/57C/30W/827/120V/C	Ø57(21)	30	2706	93	2700	80+	3	120/230
EDC/57C/30W/830/120V/C	Ø57(21)	30	2910	100	3000	80+	3	120/230
EDC/57C/30W/835/120V/C	Ø57(21)	30	2968	102	3500	80+	3	120/230
EDC/57C/30W/840/120V/C	Ø57(21)	30	3026	104	4000	80+	3	120/230
EDC/57C/30W/850/120V/C	Ø57(21)	30	3114	107	5000	80+	3	120/230
EDC/57C/40W/827/120V/C	Ø57(21)	40	3460	86	2700	80+	3	120/230
EDC/57C/40W/830/120V/C	Ø57(21)	40	3720	93	3000	80+	3	120/230
EDC/57C/40W/835/120V/C	Ø57(21)	40	3794	95	3500	80+	3	120/230
EDC/57C/40W/840/120V/C	Ø57(21)	40	3869	97	4000	80+	3	120/230
EDC/57C/40W/850/120V/C	Ø57(21)	40	3980	100	5000	80+	3	120/230

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 4. Specifications can be changed without advance notice.
 5. Installation shall follow cautions and guidance that Lumens provides.

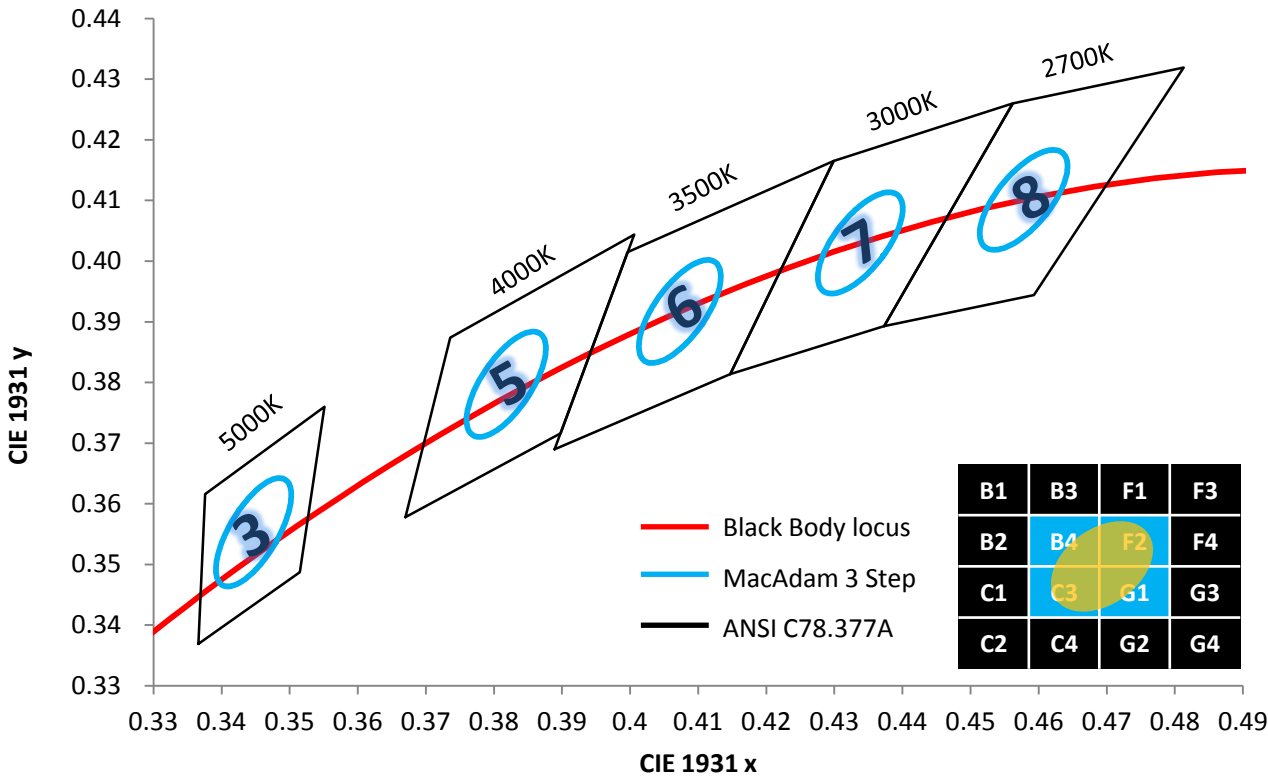
Electro-Optical Characteristics

Ø57 / 90Ra
(T_c=25°C)

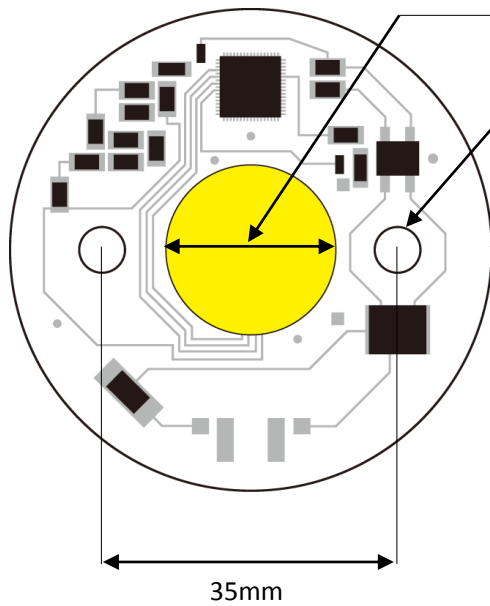
Model No	SIZE [mm]	Power [W]	Lumen Output [lm]	Efficacy [lm/w]	CCT [K]	CRI [Ra]	Color Consist- ency [SDCM]	Input Voltage[V]
EDC/57C/15W/927/120V/B	Ø57(14)	15	1228	82	2700	90+	3	120/230
EDC/57C/15W/930/120V/B	Ø57(14)	15	1320	88	3000	90+	3	120/230
EDC/57C/15W/935/120V/B	Ø57(14)	15	1346	90	3500	90+	3	120/230
EDC/57C/15W/940/120V/B	Ø57(14)	15	1373	92	4000	90+	3	120/230
EDC/57C/15W/950/120V/B	Ø57(14)	15	1412	94	5000	90+	3	120/230
EDC/57C/20W/927/120V/B	Ø57(14)	20	1637	82	2700	90+	3	120/230
EDC/57C/20W/930/120V/B	Ø57(14)	20	1760	88	3000	90+	3	120/230
EDC/57C/20W/935/120V/B	Ø57(14)	20	1795	90	3500	90+	3	120/230
EDC/57C/20W/940/120V/B	Ø57(14)	20	1830	92	4000	90+	3	120/230
EDC/57C/20W/950/120V/B	Ø57(14)	20	1883	94	5000	90+	3	120/230
EDC/57C/30W/927/120V/B	Ø57(21)	30	2382	82	2700	90+	3	120/230
EDC/57C/30W/930/120V/B	Ø57(21)	30	2561	88	3000	90+	3	120/230
EDC/57C/30W/935/120V/B	Ø57(21)	30	2612	90	3500	90+	3	120/230
EDC/57C/30W/940/120V/B	Ø57(21)	30	2663	92	4000	90+	3	120/230
EDC/57C/30W/950/120V/B	Ø57(21)	30	2740	94	5000	90+	3	120/230
EDC/57C/40W/927/120V/B	Ø57(21)	40	3044	76	2700	90+	3	120/230
EDC/57C/40W/930/120V/B	Ø57(21)	40	3274	82	3000	90+	3	120/230
EDC/57C/40W/935/120V/B	Ø57(21)	40	3339	83	3500	90+	3	120/230
EDC/57C/40W/940/120V/B	Ø57(21)	40	3405	85	4000	90+	3	120/230
EDC/57C/40W/950/120V/B	Ø57(21)	40	3503	88	5000	90+	3	120/230

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Chromaticity Binning



Mechanical Dimension



LES

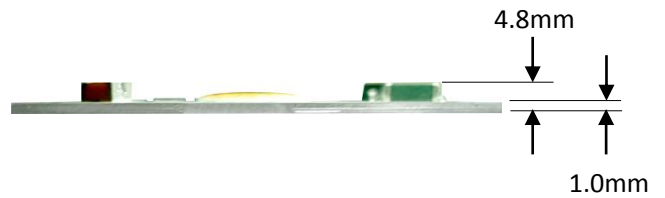
- Ø9.9 : EDC/38C/4W, 6W, 8W
- Ø11 : EDC/47C/9W, 10W, 12W, 15W
- Ø14 : EDC/57C/10W, 15W, 20W
- Ø21 : EDC/57C/30W, 40W

Hole

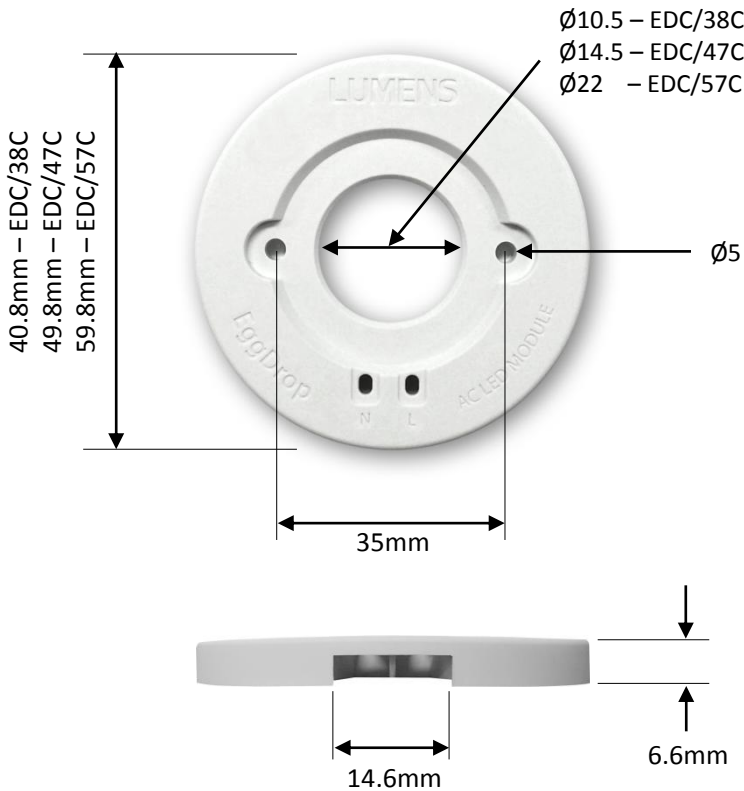
Ø5.5

Outer Size

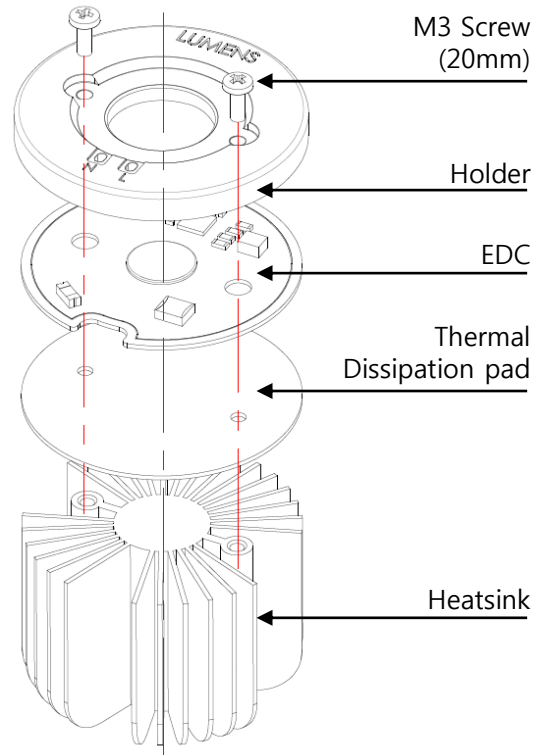
- Ø38 : EDC/38C/4W, 6W, 8W
- Ø47 : EDC/47C/9W, 10W, 12W, 15W
- Ø57 : EDC/57C/10W, 15W, 20W, 30W, 40W



Optional Item (Lamp Holder)



※ General assembly guide



Dimmer Compatibility

Leading Edge Dimmer

- . Use with most incandescent and magnetic low voltage.
- . Dimming range is typically 100% down to 5% maximum load of 60% of the dimmer rated load.
- . Maximum rated load of each dimmer may vary depending on dimmer model.

▶ Example : Fixture rating = 10W
 Dimmer rating = 600W
 Equivalent incandescent load (EIL) factor = 50% (.5)
 $(600/10) \times .5 = 30$ fixtures per dimmer

Lumens Qualified Dimmers Include :

Lutron® Model Numbers :	Leviton® Model Numbers
<ul style="list-style-type: none"> ▪ Skylark SLV series ▪ Skylark SCL series ▪ Skylark Contour CTCL series ▪ Diva DVCL series ▪ Diva DVLV series ▪ Nova T ☆ NT series 	<ul style="list-style-type: none"> • Lutron Homeworks RPM-4U* • Lutron Homeworks QS HQRD-6ND series* • Lutron Homeworks QS HQRD-10ND series* • Glyder GLV series* • Ariadni AYCL series* • RadioRA 2 10ND series* • Maestro Wireless MRF2-6ND series*
	<ul style="list-style-type: none"> • SureSlide 6633*

* Lumens most recommended

Trailing Edge Dimmer

- . Use with most Electronic low voltage
- . Dimming range is typically 100% down to 5% maximum load of 75% of the dimmer rated load.
- . Maximum rated load of each dimmer may vary depending on dimmer model.

▶ Example : Fixture rating = 10W
 Dimmer rating = 600W
 Equivalent incandescent load (EIL) factor = 75% (.75)
 $(600/10) \times .75 = 45$ fixtures per dimmer

Lumens Qualified Dimmers Include :

Lutron® Model Numbers :	
<ul style="list-style-type: none"> ▪ Skylark SELV series ▪ Diva DVELV series ▪ Maestro MAELV series ▪ Maestro MRF2-6ELV series 	<ul style="list-style-type: none"> • Nova T ☆ NTELV Series* • RadioRA RRD-6NA Series* • Lutron Grafik Eye PHPM-PA Series • Lutron Homeworks QS HQRD-6NA Series*

* Lumens most recommended