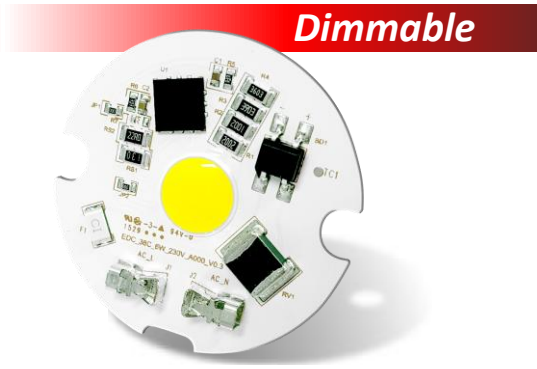




# EggDrop®

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



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.

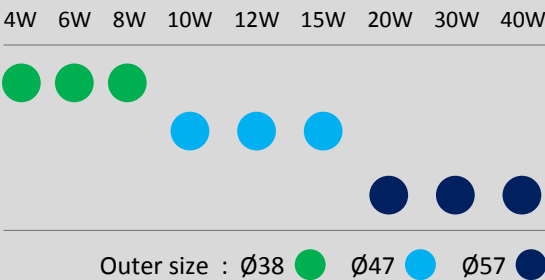
## Features

- Wide Power Selection : 4W ~ 40W
- Designs for 120V
- 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



Electro-Optical Characteristics

Ø38 / 80Ra  
(T<sub>c</sub>=25°C)

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

- Note:
- 1. ( ) LES Size (Light Emitting Surface)
  - 2. Typical Luminous Flux value / T<sub>c</sub>=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

Ø38 / 90Ra  
(T<sub>c</sub>=25°C)

| Model No              | SIZE<br>[mm] | Power<br>[W] | Lumen<br>Output [lm] | Efficacy<br>[lm/w] | CCT<br>[K] | CRI<br>[Ra] | Color Consist-<br>ency [SDCM] | Input<br>Voltage[V] |
|-----------------------|--------------|--------------|----------------------|--------------------|------------|-------------|-------------------------------|---------------------|
| EDC/38C/4W/927/120V/B | Ø38(10)      | 4            | 327                  | 82                 | 2700       | 90+         | 3                             | 120                 |
| EDC/38C/4W/930/120V/B | Ø38(10)      | 4            | 352                  | 88                 | 3000       | 90+         | 3                             | 120                 |
| EDC/38C/4W/935/120V/B | Ø38(10)      | 4            | 359                  | 90                 | 3500       | 90+         | 3                             | 120                 |
| EDC/38C/4W/940/120V/B | Ø38(10)      | 4            | 366                  | 92                 | 4000       | 90+         | 3                             | 120                 |
| EDC/38C/4W/950/120V/B | Ø38(10)      | 4            | 377                  | 94                 | 5000       | 90+         | 3                             | 120                 |
| EDC/38C/6W/927/120V/B | Ø38(10)      | 6            | 491                  | 82                 | 2700       | 90+         | 3                             | 120                 |
| EDC/38C/6W/930/120V/B | Ø38(10)      | 6            | 528                  | 88                 | 3000       | 90+         | 3                             | 120                 |
| EDC/38C/6W/935/120V/B | Ø38(10)      | 6            | 539                  | 90                 | 3500       | 90+         | 3                             | 120                 |
| EDC/38C/6W/940/120V/B | Ø38(10)      | 6            | 549                  | 92                 | 4000       | 90+         | 3                             | 120                 |
| EDC/38C/6W/950/120V/B | Ø38(10)      | 6            | 565                  | 94                 | 5000       | 90+         | 3                             | 120                 |
| EDC/38C/8W/927/120V/B | Ø38(10)      | 8            | 665                  | 82                 | 2700       | 90+         | 3                             | 120                 |
| EDC/38C/8W/930/120V/B | Ø38(10)      | 8            | 704                  | 88                 | 3000       | 90+         | 3                             | 120                 |
| EDC/38C/8W/935/120V/B | Ø38(10)      | 8            | 718                  | 90                 | 3500       | 90+         | 3                             | 120                 |
| EDC/38C/8W/940/120V/B | Ø38(10)      | 8            | 732                  | 92                 | 4000       | 90+         | 3                             | 120                 |
| EDC/38C/8W/950/120V/B | Ø38(10)      | 8            | 753                  | 94                 | 5000       | 90+         | 3                             | 120                 |

- Note:
- 1. ( ) LES Size (Light Emitting Surface)
  - 2. Typical Luminous Flux value / T<sub>c</sub>=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<sub>c</sub>=25°C)

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

- 1. ( ) LES Size (Light Emitting Surface)
- 2. Typical Luminous Flux value / Tc=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.

Note:

Electro-Optical Characteristics

Ø47 / 90Ra  
(T<sub>c</sub>=25°C)

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

- Note:
- 1. ( ) LES Size (Light Emitting Surface)
  - 2. Typical Luminous Flux value / T<sub>c</sub>=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

Ø57 / 80Ra  
(T<sub>c</sub>=25°C)

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

- Note:
- 1. ( ) LES Size (Light Emitting Surface)
  - 2. Typical Luminous Flux value / T<sub>c</sub>=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.

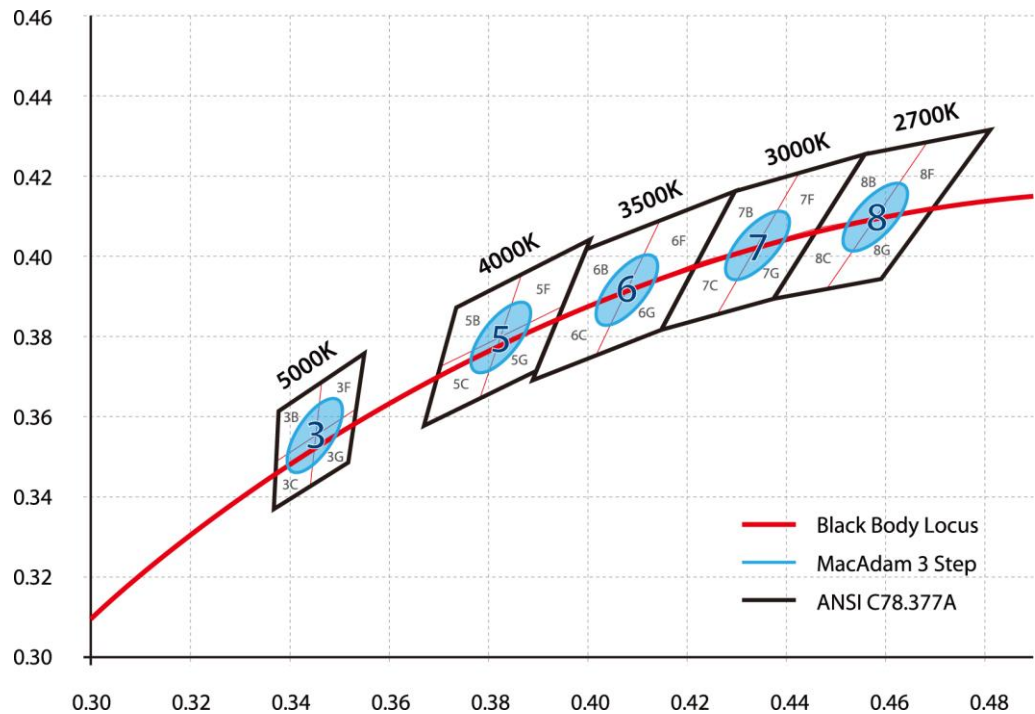
Electro-Optical Characteristics

Ø57 / 90Ra  
(T<sub>c</sub>=25°C)

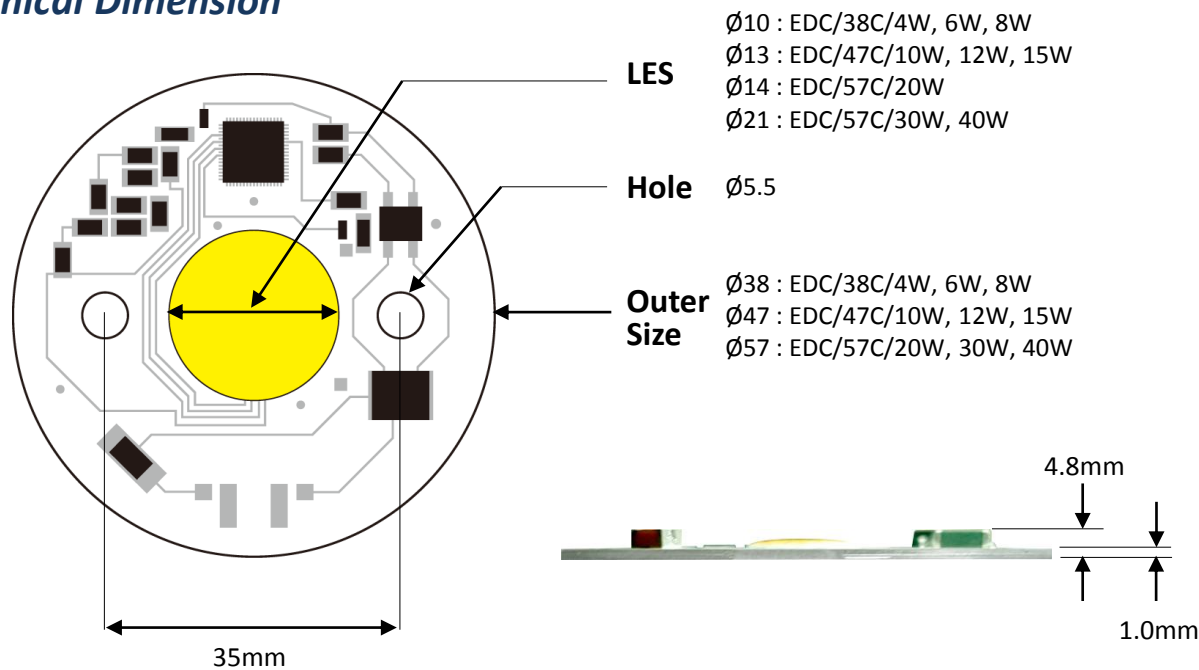
| Model No               | SIZE<br>[mm] | Power<br>[W] | Lumen<br>Output [lm] | Efficacy<br>[lm/w] | CCT<br>[K] | CRI<br>[Ra] | Color Consist-<br>ency [SDCM] | Input<br>Voltage[V] |
|------------------------|--------------|--------------|----------------------|--------------------|------------|-------------|-------------------------------|---------------------|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

- Note:
- 1. ( ) LES Size (Light Emitting Surface)
  - 2. Typical Luminous Flux value / T<sub>c</sub>=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.

### Chromaticity Binning



### Mechanical Dimension





Optional Items

