

# Infinite System Specification

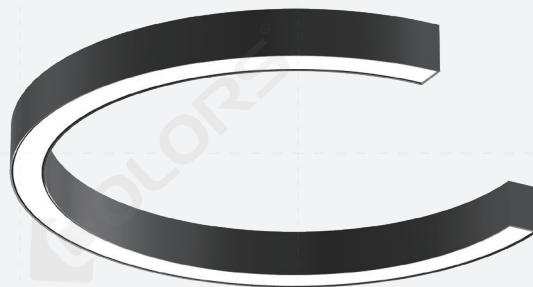
## — Arc series



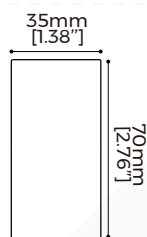
A-CS3570D

A-CS5070D

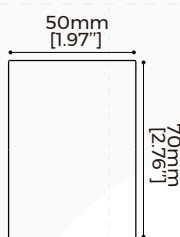
A-CS7070D



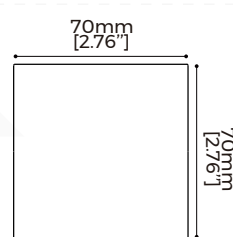
Optical: Diffuser



Model:  
A-CS3570D



Model:  
A-CS5070D



Model:  
A-CS7070D

## © Basic Information

### Light efficiency

#### A-CS3570D

100LM/W(Regular), 120LM/W(High-Efficiency)

#### A-CS5070D

100LM/W(Regular), 120LM/W(High-Efficiency)

#### A-CS7070D

110LM/W(Regular), 135LM/W(High-Efficiency)

### Diameter

#### A-CS3570D/A-CS5070D

D450/600/800/1000/1200/1500/2000/3000 mm

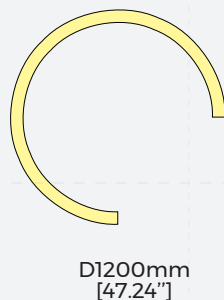
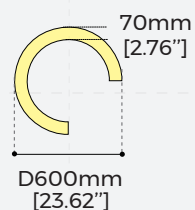
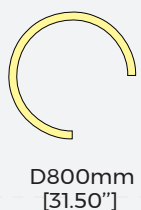
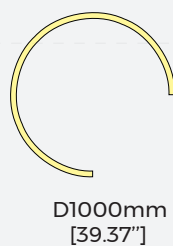
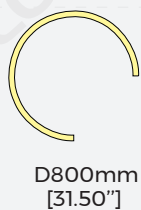
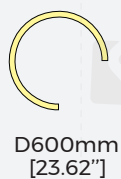
#### A-CS7070D

D600/800/1000/1200/1500/2000/3000 mm

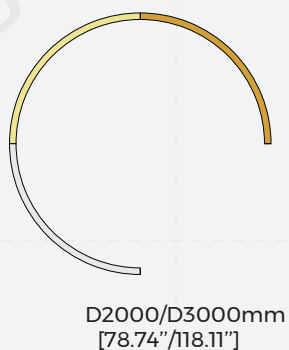
## Common information

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| · Material:       | AL6063-T5, spraying surface                                    |
| · Color:          | Black/White/Silver/Orange/Blue/Green /Rose gold/Champagne gold |
| · IP grade:       | IP20                                                           |
| · CCT:            | 2700/3000/3500/4000/5000/6500K optional                        |
| · CRI:            | >80/>90                                                        |
| · SDCM:           | ≤3 Step                                                        |
| · Dimming method: | Non-dimming, 1-10V, DALI2+PUSH                                 |
| · Application:    | Indoor                                                         |
| · Installation:   | Ceiling/Pendant                                                |
| · Certification:  | CE, UKCA, ROHS, REACH, CB, ENEC, ETL, LM-80                    |
| · Warranty:       | 5 years                                                        |

## © Product Dimension Information



Case 1: For diameters  $\leq 1.2\text{m}$ , the lamp is to be produced as complete unit.



Case 2: For diameter  $> 1.2\text{m}$ , the lamp is to be divided into parts

## © Luminaire Parameters

| Model     | Version         | Diameter (mm)  | Type Power (W/PCS) | Input Voltage (V) | Input Current (mA) | CRI | Lumens (LM/PCS) | CCT                                                       |
|-----------|-----------------|----------------|--------------------|-------------------|--------------------|-----|-----------------|-----------------------------------------------------------|
| A-CS3570D | Regular         | D450 [1.48ft]  | 20                 | AC200-240V        | 100                | >80 | 2000            | 2700K<br>3000K<br>3500K<br><b>4000K</b><br>5000K<br>6500K |
|           |                 |                |                    |                   |                    | >90 | 1720            |                                                           |
|           |                 | D600 [1.97ft]  | 25                 | AC200-240V        | 130                | >80 | 2500            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 2150            |                                                           |
|           |                 | D800 [2.62ft]  | 35                 | AC200-240V        | 180                | >80 | 3500            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 3010            |                                                           |
|           |                 | D1000 [3.28ft] | 40                 | AC200-240V        | 200                | >80 | 4000            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 3440            |                                                           |
|           |                 | D1200 [3.94ft] | 55                 | AC200-240V        | 280                | >80 | 5500            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 4730            |                                                           |
|           |                 | D1500 [4.92ft] | 72                 | AC200-240V        | 360                | >80 | 7200            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 6192            |                                                           |
|           |                 | D2000 [6.56ft] | 92                 | AC200-240V        | 460                | >80 | 9200            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 7912            |                                                           |
|           |                 | D3000 [9.84ft] | 142                | AC200-240V        | 720                | >80 | 14200           |                                                           |
|           |                 |                |                    |                   |                    | >90 | 12212           |                                                           |
|           | High-Efficiency | D450 [1.48ft]  | 20                 | AC200-240V        | 100                | >80 | 2400            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 2064            |                                                           |
|           |                 | D600 [1.97ft]  | 25                 | AC200-240V        | 130                | >80 | 3000            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 2580            |                                                           |
|           |                 | D800 [2.62ft]  | 35                 | AC200-240V        | 180                | >80 | 4200            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 3612            |                                                           |
|           |                 | D1000 [3.28ft] | 40                 | AC200-240V        | 200                | >80 | 4800            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 4128            |                                                           |
|           |                 | D1200 [3.94ft] | 55                 | AC200-240V        | 280                | >80 | 6600            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 5676            |                                                           |
|           |                 | D1500 [4.92ft] | 72                 | AC200-240V        | 360                | >80 | 8640            |                                                           |
|           |                 |                |                    |                   |                    | >90 | 7430            |                                                           |
|           |                 | D2000 [6.56ft] | 92                 | AC200-240V        | 460                | >80 | 11040           |                                                           |
|           |                 |                |                    |                   |                    | >90 | 9494            |                                                           |
|           |                 | D3000 [9.84ft] | 142                | AC200-240V        | 720                | >80 | 17040           |                                                           |
|           |                 |                |                    |                   |                    | >90 | 14654           |                                                           |

| Model     | Version         | Diameter<br>(mm)  | Type Power<br>(W/PCS) | Input<br>Voltage<br>(V) | Input<br>Current<br>(mA) | CRI | Lumens<br>(LM/PCS) | CCT                                                |
|-----------|-----------------|-------------------|-----------------------|-------------------------|--------------------------|-----|--------------------|----------------------------------------------------|
| A-CS5070D | Regular         | D450<br>[1.48ft]  | 21                    | AC200-240V              | 110                      | >80 | 2100               | 2700K<br>3000K<br>3500K<br>4000K<br>5000K<br>6500K |
|           |                 |                   |                       |                         |                          | >90 | 1806               |                                                    |
|           |                 | D600<br>[1.97ft]  | 31                    | AC200-240V              | 160                      | >80 | 3100               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 2666               |                                                    |
|           |                 | D800<br>[2.62ft]  | 41                    | AC200-240V              | 210                      | >80 | 4100               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 3526               |                                                    |
|           |                 | D1000<br>[3.28ft] | 53                    | AC200-240V              | 270                      | >80 | 5300               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 4558               |                                                    |
|           |                 | D1200<br>[3.94ft] | 63                    | AC200-240V              | 320                      | >80 | 6300               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 5418               |                                                    |
|           |                 | D1500<br>[4.92ft] | 78                    | AC200-240V              | 390                      | >80 | 7800               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 6708               |                                                    |
|           |                 | D2000<br>[6.56ft] | 106                   | AC200-240V              | 540                      | >80 | 10600              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 9116               |                                                    |
|           |                 | D3000<br>[9.84ft] | 159                   | AC200-240V              | 800                      | >80 | 15900              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 13674              |                                                    |
|           | High-Efficiency | D450<br>[1.48ft]  | 21                    | AC200-240V              | 110                      | >80 | 2520               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 2167               |                                                    |
|           |                 | D600<br>[1.97ft]  | 31                    | AC200-240V              | 160                      | >80 | 3720               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 3199               |                                                    |
|           |                 | D800<br>[2.62ft]  | 41                    | AC200-240V              | 210                      | >80 | 4920               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 4231               |                                                    |
|           |                 | D1000<br>[3.28ft] | 53                    | AC200-240V              | 270                      | >80 | 6360               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 5470               |                                                    |
|           |                 | D1200<br>[3.94ft] | 63                    | AC200-240V              | 320                      | >80 | 7560               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 6502               |                                                    |
|           |                 | D1500<br>[4.92ft] | 78                    | AC200-240V              | 390                      | >80 | 9360               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 8050               |                                                    |
|           |                 | D2000<br>[6.56ft] | 106                   | AC200-240V              | 540                      | >80 | 12720              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 10939              |                                                    |
|           |                 | D3000<br>[9.84ft] | 159                   | AC200-240V              | 800                      | >80 | 19080              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 16409              |                                                    |

| Model     | Version         | Diameter<br>(mm)  | Type Power<br>(W/PCS) | Input<br>Voltage<br>(V) | Input<br>Current<br>(mA) | CRI | Lumens<br>(LM/PCS) | CCT                                                |
|-----------|-----------------|-------------------|-----------------------|-------------------------|--------------------------|-----|--------------------|----------------------------------------------------|
| A-CS7070D | Regular         | D600<br>[1.97ft]  | 41                    | AC200-240V              | 210                      | >80 | 4510               | 2700K<br>3000K<br>3500K<br>4000K<br>5000K<br>6500K |
|           |                 |                   |                       |                         |                          | >90 | 3879               |                                                    |
|           |                 | D800<br>[2.62ft]  | 55                    | AC200-240V              | 280                      | >80 | 6050               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 5203               |                                                    |
|           |                 | D1000<br>[3.28ft] | 72                    | AC200-240V              | 360                      | >80 | 7920               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 6811               |                                                    |
|           |                 | D1200<br>[3.94ft] | 78                    | AC200-240V              | 390                      | >80 | 8580               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 7379               |                                                    |
|           |                 | D1500<br>[4.92ft] | 110                   | AC200-240V              | 560                      | >80 | 12100              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 10406              |                                                    |
|           |                 | D2000<br>[6.56ft] | 150                   | AC200-240V              | 760                      | >80 | 16500              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 14190              |                                                    |
|           |                 | D3000<br>[9.84ft] | 222                   | AC200-240V              | 1120                     | >80 | 24420              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 21001              |                                                    |
|           | High-Efficiency | D600<br>[1.97ft]  | 41                    | AC200-240V              | 210                      | >80 | 5535               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 4760               |                                                    |
|           |                 | D800<br>[2.62ft]  | 55                    | AC200-240V              | 280                      | >80 | 7425               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 6386               |                                                    |
|           |                 | D1000<br>[3.28ft] | 72                    | AC200-240V              | 360                      | >80 | 9720               |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 8359               |                                                    |
|           |                 | D1200<br>[3.94ft] | 78                    | AC200-240V              | 390                      | >80 | 10530              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 9056               |                                                    |
|           |                 | D1500<br>[4.92ft] | 110                   | AC200-240V              | 560                      | >80 | 14850              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 12771              |                                                    |
|           |                 | D2000<br>[6.56ft] | 150                   | AC200-240V              | 760                      | >80 | 20250              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 17415              |                                                    |
|           |                 | D3000<br>[9.84ft] | 222                   | AC200-240V              | 1120                     | >80 | 29970              |                                                    |
|           |                 |                   |                       |                         |                          | >90 | 25774              |                                                    |

Note:

1. The output data is based on white coated luminaire with Ra80,4000K.
2. The above lumens data are at 4000K color temperature.
3. High-efficiency version does not do 3500K and 5000K
4. The tolerance of output data can be vary up to 15%.
5. The output data is typical value.
6. The following is an example of lumen conversion instructions:

| CCT   | RA | Ratio of lumens<br>(white coated<br>luminaire) | Ratio of lumens<br>(Other coated colors of luminaire)                   |
|-------|----|------------------------------------------------|-------------------------------------------------------------------------|
| 2700K | 80 | 90%                                            | Calculate white coated luminaire lumens first, then multiply<br>by 90 % |
|       | 90 | 77%                                            |                                                                         |
| 3000K | 80 | 93%                                            |                                                                         |
|       | 90 | 80%                                            |                                                                         |
| 3500K | 80 | 97%                                            |                                                                         |
|       | 90 | 83%                                            |                                                                         |
| 4000K | 80 | 100%                                           |                                                                         |
|       | 90 | 86%                                            |                                                                         |
| 5000K | 80 | 100%                                           |                                                                         |
|       | 90 | 86%                                            |                                                                         |
| 6500K | 80 | 100%                                           |                                                                         |
|       | 90 | 86%                                            |                                                                         |

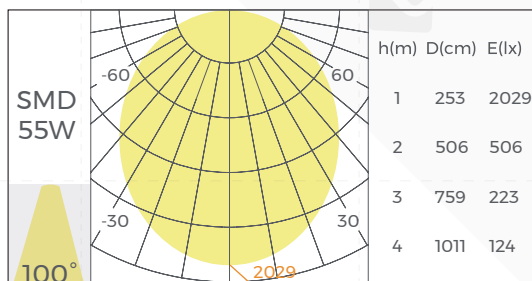
Note: All other lumens are to be based on white coated luminaire with 4000K,RA80(100%);and multiplied by the percentage in the table above.

Assuming a 4000K, RA80 white coated luminaire with 1000lm lumens:

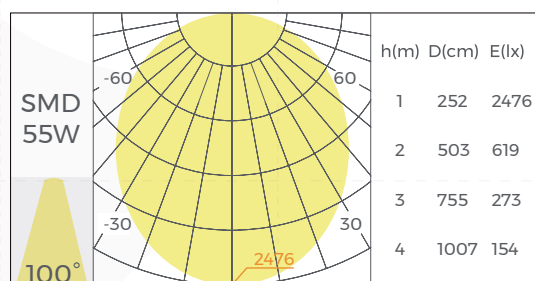
|                                                                             |                                               |
|-----------------------------------------------------------------------------|-----------------------------------------------|
| Example 1: If you need 4000K,RA90 lumens (white coated luminaire)           | $1000 \times 86\% = 860\text{lm}$             |
| Example 2: If you need 4000K,RA90 lumens (other coated colors of luminaire) | $1000 \times 86\% \times 90\% = 774\text{lm}$ |
| Example 3: If you need 3000K,RA80 lumens (white coated luminaire)           | $1000 \times 93\% = 930\text{lm}$             |
| Example 4: If you need 3000K,RA90 lumens (white coated luminaire)           | $1000 \times 80\% = 800\text{lm}$             |
| Example 5: If you need 5000K,RA80 lumens (white coated luminaire)           | $1000 \times 100\% = 1000\text{lm}$           |

## © Optical Parameter

### 【A-CS3570D】



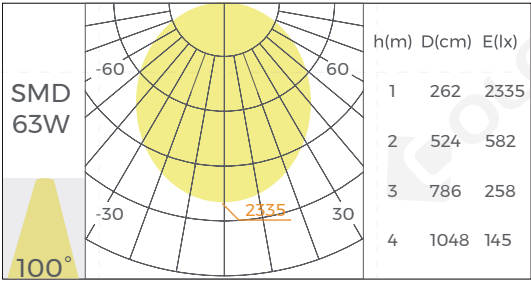
Regular version



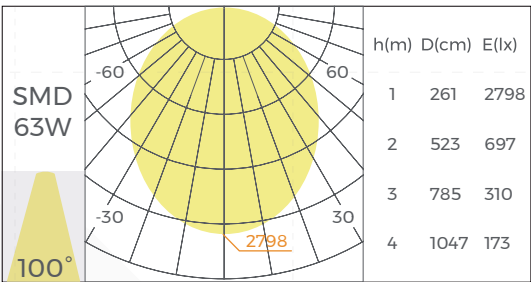
High-efficiency version

\*The above data is based on a 1200mm diameter luminaire with Ra80,4000K.

**[A-CS5070D]**



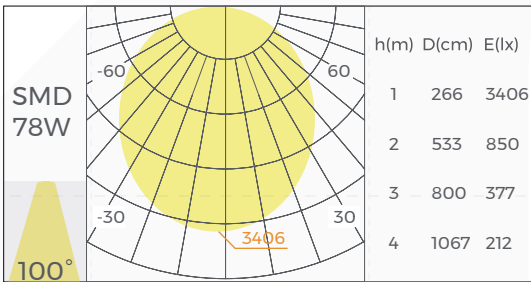
Regular version



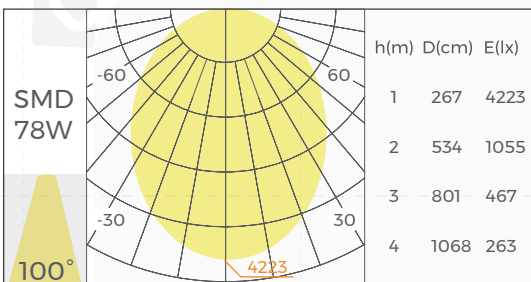
High-efficiency version

\*The above data is based on a 1200mm diameter luminaire with Ra80,4000K.

**[A-CS7070D]**



Regular version



High-efficiency version

\*The above data is based on a 1200mm diameter luminaire with Ra80,4000K.

**© Installation**

External power supply



Ceiling



**Note:**

1. The above illustration shows the installation method.
2. The above luminaire shapes are for installation illustration only.

**© Packing**

| Model                      | Quantity<br>(PCS/carton) | NW<br>(kg/carton) | GW<br>(kg/carton) | Size<br>(mm/carton)                     |
|----------------------------|--------------------------|-------------------|-------------------|-----------------------------------------|
| A-CS3570DD0450(R)-N840W020 | 4                        | 4.30              | 6.70              | 520*520*520<br>[20.47"*20.47"*20.47"]   |
| A-CS3570DD0600(R)-N840W025 | 4                        | 5.85              | 9.05              | 670*670*520<br>[26.37"*26.37"*20.47"]   |
| A-CS3570DD0800(R)-N840W035 | 4                        | 7.93              | 11.53             | 870*870*520<br>[34.25"*34.25"*20.47"]   |
| A-CS3570DD1000(R)-N840W040 | 4                        | 10.00             | 14.20             | 1070*1070*520<br>[42.12"*42.12"*20.47"] |
| A-CS3570DD1200(R)-N840W055 | 4                        | 12.07             | 16.67             | 1270*1270*520<br>[50"*50"*20.47"]       |

| Model                      | Quantity<br>(PCS/carton) | NW<br>(kg/carton) | GW<br>(kg/carton) | Size<br>(mm/carton)                     |
|----------------------------|--------------------------|-------------------|-------------------|-----------------------------------------|
| A-CS3570DD1500(R)-N840W072 | 4                        | 15.18             | 20.38             | 1120*520*520<br>[44.09"*20.47"*20.47"]  |
| A-CS3570DD2000(R)-N840W092 | 2                        | 10.18             | 13.18             | 1470*540*270<br>[57.87"*21.25"*10.62"]  |
| A-CS3570DD3000(R)-N840W142 | 2                        | 15.36             | 18.96             | 2170*520*270<br>[85.43"*20.47"*10.62"]  |
| A-CS5070DD0450(R)-N840W021 | 4                        | 5.28              | 7.68              | 520*520*520<br>[20.47"*20.47"*20.47"]   |
| A-CS5070DD0600(R)-N840W031 | 4                        | 7.25              | 10.45             | 670*670*520<br>[26.37"*26.37"*20.47"]   |
| A-CS5070DD0800(R)-N840W041 | 4                        | 9.89              | 13.49             | 870*870*520<br>[34.25"*34.25"*20.47"]   |
| A-CS5070DD1000(R)-N840W053 | 4                        | 12.53             | 16.73             | 1070*1070*520<br>[42.12"*42.12"*20.47"] |
| A-CS5070DD1200(R)-N840W063 | 4                        | 15.17             | 19.77             | 1270*1270*520<br>[50"*50"*20.47"]       |
| A-CS5070DD1500(R)-N840W078 | 4                        | 19.12             | 24.52             | 1120*520*520<br>[44.09"*20.47"*20.47"]  |
| A-CS5070DD2000(R)-N840W106 | 2                        | 12.86             | 15.86             | 1470*540*270<br>[57.87"*21.25"*10.62"]  |
| A-CS5070DD3000(R)-N840W159 | 2                        | 19.45             | 23.05             | 2170*520*270<br>[85.43"*20.47"*10.62"]  |
| A-CS7070DD0600(R)-N840W041 | 4                        | 7.99              | 10.39             | 670*670*520<br>[26.37"*26.37"*20.47"]   |
| A-CS7070DD0800(R)-N840W055 | 4                        | 11.00             | 14.20             | 870*870*520<br>[34.25"*34.25"*20.47"]   |
| A-CS7070DD1000(R)-N840W072 | 4                        | 14.02             | 17.62             | 1070*1070*520<br>[42.12"*42.12"*20.47"] |
| A-CS7070DD1200(R)-N840W078 | 4                        | 17.03             | 21.03             | 1270*1270*520<br>[50"*50"*20.47"]       |
| A-CS7070DD1500(R)-N840W110 | 4                        | 21.55             | 26.75             | 1120*520*520<br>[44.09"*20.47"*20.47"]  |

| Model                      | Quantity<br>(PCS/carton) | NW<br>(kg/carton) | GW<br>(kg/carton) | Size<br>(mm/carton)                    |
|----------------------------|--------------------------|-------------------|-------------------|----------------------------------------|
| A-CS7070DD2000(R)-N840W150 | 2                        | 14.54             | 17.54             | 1470*540*270<br>[57.87"*21.25"*10.62"] |
| A-CS7070DD3000(R)-N840W222 | 2                        | 22.08             | 25.68             | 2170*520*270<br>[85.43"*20.47"*10.62"] |

Note:

1. Lamps packaged without inner box, directly use the outer box.
2. The above weight data is for reference, the exact data should be based on the weight of the physical weighing shall prevail.

## ©Model Code

| A                                                                                                                                                 | - | C                                                                                 | S                                                                                 | 3570                                                                              | D                                                                                 | D1200                                                                             | (R)                                                                               | - | N                                                                                  | 8                                                                                   | 40                                                                                  | B                                                                                   | - | 055                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|
|                                                                  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |
| Series<br>A: Arc series<br>C: Circle series<br>S: Square series<br>W: Wave series<br>T: Triangle series<br>H: Hexagon series<br>D: Diamond series |   | Type<br>R: Right angle<br>C: Curve angle                                          | Installation<br>E: Recessed<br>S: Ceiling/Pendant                                 | Size<br>3570:<br>35mm: Luminous surface width<br>70mm: Lamp height                | Optical Type<br>D: Diffuser<br>P: Prismatic                                       | Diameter<br>D1200: 1200mm                                                         | Version<br>(R): Regular<br>(H): High-efficiency                                   |   | Dimming Method<br>N: Non-dimming<br>D: 1-10V<br>A: DALI                            | CRI<br>8: Ra>80<br>9: Ra>90                                                         | CCT<br>27: 2700K<br>30: 3000K<br>40: 4000K                                          | Color<br>B: Black<br>W: White<br>S: Silver                                          |   | Type power<br>055: 55W                                                              |

## ©Attentions

1. Non-professionals are prohibited from installing, disassembling and repairing the product.
2. Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
3. Please use professional cutting tools when cutting
4. Do not use any acid or alkaline adhesive to fix products
5. The product is only suitable for indoor dry places, can not be used in outdoor, seaside or wet environment.
6. PC features: Each 10°C rise or drop will make diffuser extend or shrink 0.8mm/m, please confirm before processing and use