

Luminaire Specification

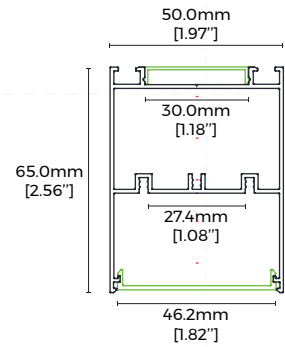
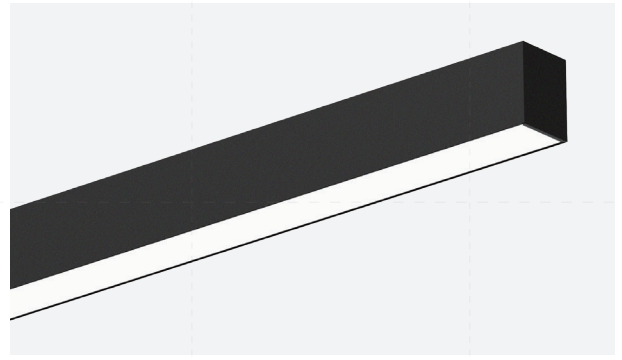
# LH50FD

— LINE ECO series

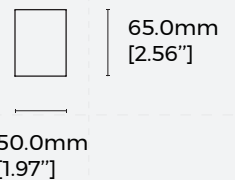
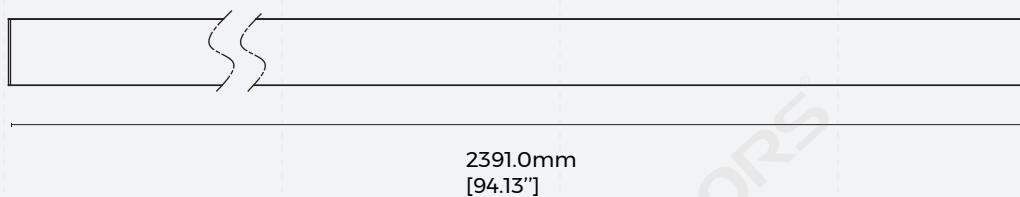
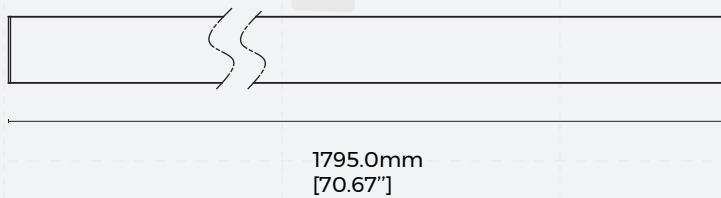
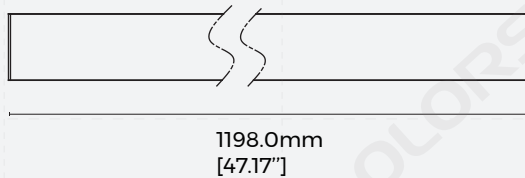


## ◎ Basic Parameters

- Material: AL6063-T5, spraying surface, anodizing
- Coating: Silver anodized, Black, White
- Length: 1200, 1800, 2400mm optional
- Lighting direction: Upward & Downward
- Installaton: Pendant
- IP grade: IP20
- Application: Indoor
  
- Efficiency: 110(Normal), 130(High efficiency-3CCT Dial switch) LM/W  
135(High efficiency), 110(Normal-3CCT Dial switch) LM/W
- U G R: UGR≤19(X=4H,Y=8H)
- SDCM: <3 Step (ANSI)
- CRI: 80, 90
- CCT: 2700, 3000, 4000, 6500, 3000-4200-6300K optional
- Dimming: Non, 1-10V, DALI2 optional
- Warranty: 5 years



## ◎ Product mechanical data



Note: Luminaires length shown above indicates the length of profile + thickness of 2 end caps, where each end cap is 2.0mm[0.08"] thick, 2 end caps is 4mm[0.16"] thick in total.

## © Luminaire Parameters

| Version         | Model  | Length             | Input Voltage (V) | Max. Current (A)   | Type Power (W)       | Max. Power (W)       | Beam Angle (°) | CRI | CCT   | Lumen (LM)           |
|-----------------|--------|--------------------|-------------------|--------------------|----------------------|----------------------|----------------|-----|-------|----------------------|
| Normal          | LH50FD | 1200mm<br>[3.94ft] | 200-240<br>VAC    | 0.26<br>[0.07A/ft] | 58.0<br>[14.72W/ft]  | 63.8<br>[16.20W/ft]  | 100°           | >80 | 2700K | 5910<br>[1500LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 3000K | 6050<br>[1535LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 4000K | 6380<br>[1620LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 6500K | 6380<br>[1620LM/ft]  |
| Normal          | LH50FD | 1200mm<br>[3.94ft] | 200-240<br>VAC    | 0.26<br>[0.07A/ft] | 58.0<br>[14.72W/ft]  | 63.8<br>[16.20W/ft]  | 100°           | >90 | 2700K | 4975<br>[1260LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 3000K | 5065<br>[1285LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 4000K | 5440<br>[1380LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 6500K | 5440<br>[1380LM/ft]  |
| Normal          | LH50FD | 1800mm<br>[5.91ft] | 200-240<br>VAC    | 0.41<br>[0.07A/ft] | 90.0<br>[15.23W/ft]  | 99.0<br>[16.80W/ft]  | 100°           | >80 | 2700K | 9170<br>[1550LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 3000K | 9390<br>[1590LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 4000K | 9900<br>[1675LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 6500K | 9900<br>[1675LM/ft]  |
| Normal          | LH50FD | 1800mm<br>[5.91ft] | 200-240<br>VAC    | 0.41<br>[0.07A/ft] | 90.0<br>[15.23W/ft]  | 99.0<br>[16.80W/ft]  | 100°           | >90 | 2700K | 7715<br>[1305LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 3000K | 7860<br>[1330LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 4000K | 8445<br>[1430LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 6500K | 8445<br>[1430LM/ft]  |
| Normal          | LH50FD | 2400mm<br>[7.87ft] | 200-240<br>VAC    | 0.52<br>[0.07A/ft] | 120.0<br>[15.25W/ft] | 132.0<br>[16.80W/ft] | 100°           | >80 | 2700K | 12230<br>[1555LM/ft] |
|                 |        |                    |                   |                    |                      |                      |                |     | 3000K | 12520<br>[1590LM/ft] |
|                 |        |                    |                   |                    |                      |                      |                |     | 4000K | 13200<br>[1675LM/ft] |
|                 |        |                    |                   |                    |                      |                      |                |     | 6500K | 13200<br>[1675LM/ft] |
| Normal          | LH50FD | 2400mm<br>[7.87ft] | 200-240<br>VAC    | 0.52<br>[0.07A/ft] | 120.0<br>[15.25W/ft] | 132.0<br>[16.80W/ft] | 100°           | >90 | 2700K | 10290<br>[1305LM/ft] |
|                 |        |                    |                   |                    |                      |                      |                |     | 3000K | 10485<br>[1330LM/ft] |
|                 |        |                    |                   |                    |                      |                      |                |     | 4000K | 11260<br>[1430LM/ft] |
|                 |        |                    |                   |                    |                      |                      |                |     | 6500K | 11260<br>[1430LM/ft] |
| High efficiency | LH50FD | 1200mm<br>[3.94ft] | 200-240<br>VAC    | 0.26<br>[0.07A/ft] | 58.0<br>[14.72W/ft]  | 63.8<br>[16.20W/ft]  | 100°           | >80 | 2700K | 7255<br>[1840LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 3000K | 7425<br>[1885LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 4000K | 7830<br>[1985LM/ft]  |
|                 |        |                    |                   |                    |                      |                      |                |     | 6500K | 7830<br>[1985LM/ft]  |

|                            |        |                    |                |                    |                      |                      |      |     |       |                      |
|----------------------------|--------|--------------------|----------------|--------------------|----------------------|----------------------|------|-----|-------|----------------------|
| High efficiency            | LH50FD | 1200mm<br>[3.94ft] | 200-240<br>VAC | 0.26<br>[0.07A/ft] | 58.0<br>[14.72W/ft]  | 37.4<br>[9.49W/ft]   | 100° | >90 | 2700K | 6105<br>[1550LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 3000K | 6220<br>[1580LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 4000K | 6680<br>[1695LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 6500K | 6680<br>[1695LM/ft]  |
| High efficiency            | LH50FD | 1800mm<br>[5.91ft] | 200-240<br>VAC | 0.41<br>[0.07A/ft] | 90.0<br>[15.23W/ft]  | 99.0<br>[16.80W/ft]  | 100° | >80 | 2700K | 11255<br>[1905LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 3000K | 11525<br>[1950LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 4000K | 12150<br>[2055LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 6500K | 12150<br>[2055LM/ft] |
| High efficiency            | LH50FD | 1800mm<br>[5.91ft] | 200-240<br>VAC | 0.41<br>[0.07A/ft] | 90.0<br>[15.23W/ft]  | 99.0<br>[16.80W/ft]  | 100° | >90 | 2700K | 9470<br>[1605LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 3000K | 9650<br>[1635LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 4000K | 10365<br>[1755LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 6500K | 10365<br>[1755LM/ft] |
| High efficiency            | LH50FD | 2400mm<br>[7.87ft] | 200-240<br>VAC | 0.52<br>[0.07A/ft] | 120.0<br>[15.25W/ft] | 132.0<br>[16.80W/ft] | 100° | >80 | 2700K | 15010<br>[1905LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 3000K | 15365<br>[1950LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 4000K | 16200<br>[2060LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 6500K | 16200<br>[2060LM/ft] |
| High efficiency            | LH50FD | 2400mm<br>[7.87ft] | 200-240<br>VAC | 0.52<br>[0.07A/ft] | 120.0<br>[15.25W/ft] | 132.0<br>[16.80W/ft] | 100° | >90 | 2700K | 12625<br>[1605LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 3000K | 12865<br>[1635LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 4000K | 13820<br>[1755LM/ft] |
|                            |        |                    |                |                    |                      |                      |      |     | 6500K | 13820<br>[1755LM/ft] |
| Normal-3CCT<br>Dial switch | LH50FD | 1200mm<br>[3.94ft] | 200-240<br>VAC | 0.27<br>[0.07A/ft] | 58.0<br>[14.72W/ft]  | 63.8<br>[16.20W/ft]  | 100° | >80 | 3000K | 6090<br>[1545LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 4200K | 6380<br>[1620LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 6300K | 6090<br>[1545LM/ft]  |
| Normal-3CCT<br>Dial switch | LH50FD | 1200mm<br>[3.94ft] | 200-240<br>VAC | 0.27<br>[0.07A/ft] | 58.0<br>[14.72W/ft]  | 63.8<br>[16.20W/ft]  | 100° | >90 | 3000K | 5195<br>[1320LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 4200K | 5440<br>[1380LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 6300K | 5195<br>[1320LM/ft]  |
| Normal-3CCT<br>Dial switch | LH50FD | 1800mm<br>[5.91ft] | 200-240<br>VAC | 0.42<br>[0.07A/ft] | 90.0<br>[15.23W/ft]  | 99.0<br>[16.80W/ft]  | 100° | >80 | 3000K | 9450<br>[1560LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 4200K | 9900<br>[1675LM/ft]  |
|                            |        |                    |                |                    |                      |                      |      |     | 6300K | 9450<br>[1560LM/ft]  |

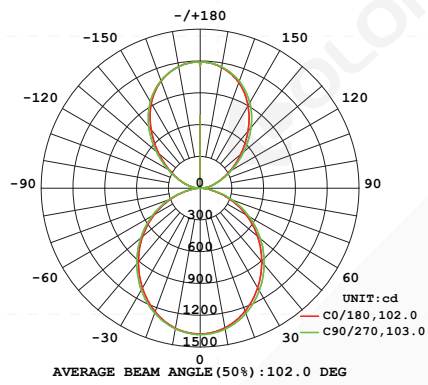
|   |        |                    |                |                    |                      |                      |      |     |       |                      |
|---|--------|--------------------|----------------|--------------------|----------------------|----------------------|------|-----|-------|----------------------|
| Normal-3CCT<br>Dial switch              | LH50FD | 1800mm<br>[5.91ft] | 200-240<br>VAC | 0.42<br>[0.07A/ft] | 90.0<br>[15.23W/ft]  | 99.0<br>[16.80W/ft]  | 100° | >90 | 3000K | 8060<br>[1365LM/ft]  |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 8445<br>[1430LM/ft]  |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 8060<br>[1365LM/ft]  |
| Normal-3CCT<br>Dial switch              | LH50FD | 2400mm<br>[7.87ft] | 200-240<br>VAC | 0.54<br>[0.07A/ft] | 120.0<br>[15.23W/ft] | 132.0<br>[16.80W/ft] | 100° | >80 | 3000K | 12600<br>[1600LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 13200<br>[1675LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 12600<br>[1600LM/ft] |
| Normal-3CCT<br>Dial switch              | LH50FD | 2400mm<br>[7.87ft] | 200-240<br>VAC | 0.54<br>[0.07A/ft] | 120.0<br>[15.23W/ft] | 132.0<br>[16.80W/ft] | 100° | >90 | 3000K | 10750<br>[1365LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 11260<br>[1430LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 10750<br>[1365LM/ft] |
| High efficiency-<br>3CCT<br>Dial switch | LH50FD | 1200mm<br>[3.94ft] | 200-240<br>VAC | 0.27<br>[0.07A/ft] | 58.0<br>[14.72W/ft]  | 63.8<br>[16.20W/ft]  | 100° | >80 | 3000K | 7250<br>[1840LM/ft]  |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 7540<br>[1915LM/ft]  |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 7250<br>[1840LM/ft]  |
| High efficiency-<br>3CCT<br>Dial switch | LH50FD | 1200mm<br>[3.94ft] | 200-240<br>VAC | 0.27<br>[0.07A/ft] | 58.0<br>[14.72W/ft]  | 63.8<br>[16.20W/ft]  | 100° | >90 | 3000K | 6185<br>[1570LM/ft]  |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 6430<br>[1630LM/ft]  |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 6185<br>[1570LM/ft]  |
| High efficiency-<br>3CCT<br>Dial switch | LH50FD | 1800mm<br>[5.91ft] | 200-240<br>VAC | 0.42<br>[0.07A/ft] | 90.0<br>[15.23W/ft]  | 99.0<br>[16.80W/ft]  | 100° | >80 | 3000K | 11250<br>[1905LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 11700<br>[1980LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 11250<br>[1905LM/ft] |
| High efficiency-<br>3CCT<br>Dial switch | LH50FD | 1800mm<br>[5.91ft] | 200-240<br>VAC | 0.42<br>[0.07A/ft] | 90.0<br>[15.23W/ft]  | 99.0<br>[16.80W/ft]  | 100° | >90 | 3000K | 9595<br>[1625LM/ft]  |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 9980<br>[1670LM/ft]  |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 9595<br>[1625LM/ft]  |
| High efficiency-<br>3CCT<br>Dial switch | LH50FD | 2400mm<br>[7.87ft] | 200-240<br>VAC | 0.54<br>[0.07A/ft] | 120.0<br>[15.23W/ft] | 132.0<br>[16.80W/ft] | 100° | >80 | 3000K | 15000<br>[1905LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 15600<br>[1980LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 15000<br>[1905LM/ft] |
| High efficiency-<br>3CCT<br>Dial switch | LH50FD | 2400mm<br>[7.87ft] | 200-240<br>VAC | 0.54<br>[0.07A/ft] | 120.0<br>[15.23W/ft] | 132.0<br>[16.80W/ft] | 100° | >90 | 3000K | 12795<br>[1625LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 4200K | 13305<br>[1690LM/ft] |
|   |        |                    |                |                    |                      |                      |      |     | 6300K | 12795<br>[1625LM/ft] |

Note:

1. The output data is based on the testing result of Ra80,4000k,white luminaires;
2. The tolerance of output data can be vary up to 10%;
3. The output data is typical value;
- 4.The luminous flux of black luminaire is 95% of white luminaire.

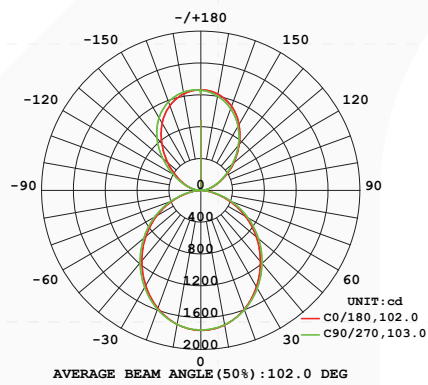
## © Optical Parameter

### Normal Version



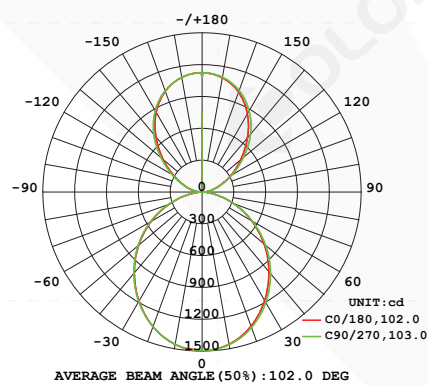
| H(m) | D(cm) | Emax(lx) | Eavg(lx) |
|------|-------|----------|----------|
| 1    | 248   | 1602     | 545      |
| 2    | 498   | 401      | 136      |
| 3    | 747   | 178      | 61       |
| 4    | 995   | 100      | 34       |

### High Efficiency Version



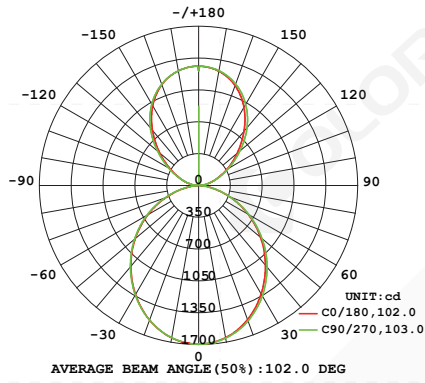
| H(m) | D(cm) | Emax(lx) | Eavg(lx) |
|------|-------|----------|----------|
| 1    | 248   | 1777     | 610      |
| 2    | 497   | 444      | 153      |
| 3    | 745   | 198      | 68       |
| 4    | 993   | 111      | 38       |

### Normal-3 CCT Dial Switch



| H(m) | D(cm) | Emax(lx) | Eavg(lx) |
|------|-------|----------|----------|
| 1    | 251   | 1504     | 514      |
| 2    | 503   | 376      | 129      |
| 3    | 754   | 167      | 57       |
| 4    | 1005  | 94       | 32       |

## High Efficiency- 3 CCT Dial Switch




| H(m) | D(cm) | Emax(lx) | Eavg(lx) |
|------|-------|----------|----------|
| 1    | 251   | 1804     | 616      |
| 2    | 503   | 451      | 154      |
| 3    | 754   | 200      | 68       |
| 4    | 1005  | 94       | 32       |

\*The above data is based on monochrome 4000K color temperature.

If you need other models of IES files, please download the corresponding models from the IES database.

### ◎ Accessories Information

| Picture  | Name          | Model   |
|--|---------------|---------|
|  | Pendant cable | PN(E)-D |

### ◎ Version Type

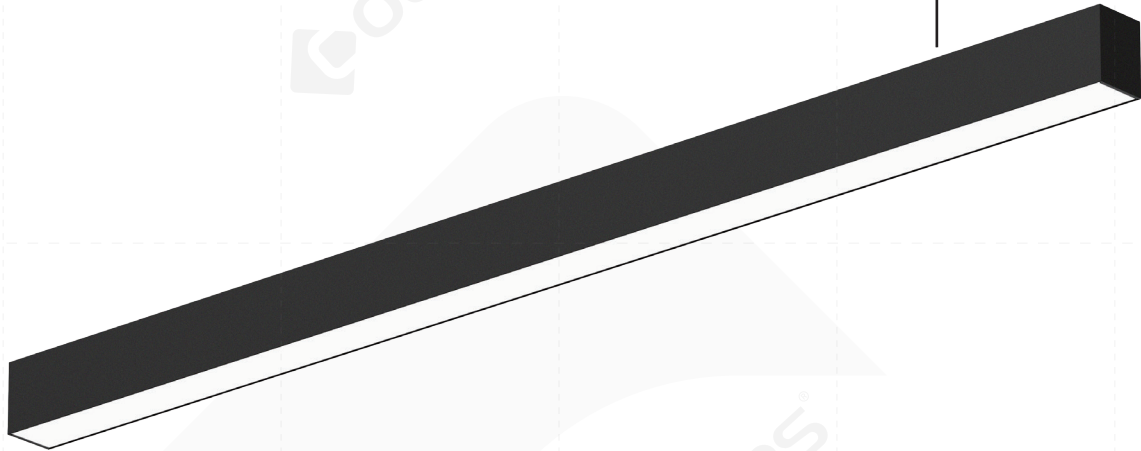
#### Normal&High Efficiency Version

- 110lm/W (Normal), 135lm/W (High efficiency version)
- Dimming method: Non / 1-10V / DALI2 optional



## Normal-3 CCT Dial Switch& High Efficiency-3 CCT Dial Switch

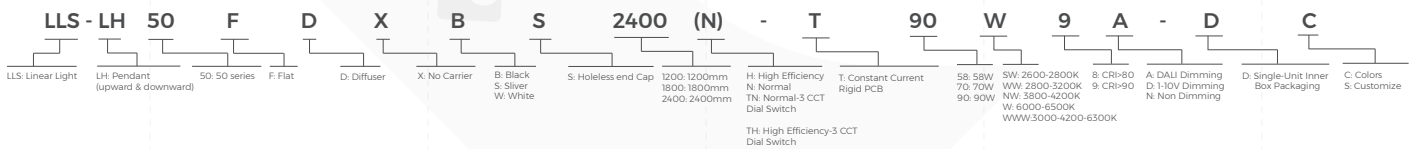
- 110lm/W (Normal), 130lm/W (High efficiency version)
- Dimming method: Non / 1-10V / DALI2 optional



### ◎ Packing

| Model                                | Modes of packing | Quantity /box | Quantity /carton | GW /box(kg) | Carton (kg) | GW /carton(kg) | Size (mm/carton)                  |
|--------------------------------------|------------------|---------------|------------------|-------------|-------------|----------------|-----------------------------------|
| LLS-LH50FDXBS1200(N)<br>-T58NW8N-DC  | Bulk Packaging   | 1             | 6                | 1.87        | 0.89        | 12.19          | 1210*178*168<br>[47.6"*7.0"*6.6"] |
| LLS-LH50FDXBS1800(N)<br>-T90NW8N-DC  | Bulk Packaging   | 1             | 6                | 2.80        | 1.33        | 18.13          | 1805*178*168<br>[71.1"*7.0"*6.6"] |
| LLS-LH50FDXBS2400(N)<br>-T120NW8N-DC | Bulk Packaging   | 1             | 6                | 3.74        | 1.78        | 24.18          | 2400*178*168<br>[94.5"*7.0"*6.6"] |

### ◎ Code Specification



### ◎ 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