

Luminaire Specification

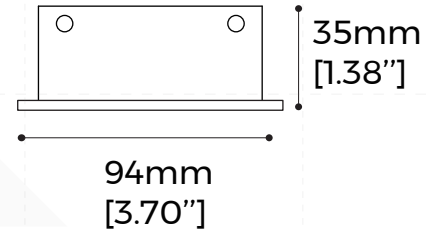
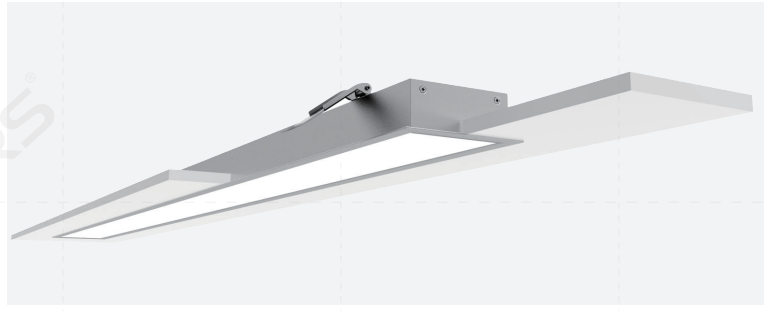
BE9435FD_Luminaire

— BASIC series



[Features]

- Material: AL6063-T5, spraying surface / anodizing
- Coating: Silver anodized (RAL9006), Black (RAL9005), White (RAL9003)
- Lighting direction: downward
- Light efficiency: 110 LM/W (Regular/ Emergency model), 130 LM/W (High efficiency model)
- Dimming method: Non/ DALI-2+PUSH/ 1-10V/CASAMBI/ Tuya WIFI/Tuya Bluetooth/Tuya Zigbee optional
- Length: 1200mm/1800mm/2400mm optional, (other length on request)
- SDCM≤3(ANSI)
- CRI:80/90
- CCT:2700/3000/3500/4000/5000/6500/3000-6500K optional
- Input voltage: AC220-240V
- Application: Indoor
- Installation method: Recessed
- IP grade: IP20
- Certification: CB, CE, UKCA, ROHS, Reach
- Warranty: 5 years(Emergency power model/CASAMBI/Tuya WIFI/Tuya Bluetooth/Tuya Zigbee:3 years)



[Photo-electric parameters]

| Version | Model | Length | Input Voltage (V) | Max. Current (A) | Type Power (W) | Max. Power (W) | CRI | CCT | Lumen (LM) |
|--|--|--------------------|-------------------|-------------------|------------------|-------------------|-----|-------|---------------------|
| Regular/ Emergency power models | LLS-BE9435FDXSS1200(N) LLS-BE9435FDXSS1200(E) | 1200mm [3.94ft] | 220VAC~ 240VAC | 1.0 [0.25A/ft] | 38 [9.64W/ft] | 40 [10.15W/ft] | >80 | 2700K | 3850 [980LM/ft] |
| | | | | | | | | 3000K | 3930 [1000LM/ft] |
| | | | | | | | | 3500K | 4010 [1020LM/ft] |
| | | | | | | | | 4000K | 4180 [1060LM/ft] |
| | | | | | | | | 5000K | 4180 [1060LM/ft] |
| | | | | | | | | 6500K | 4180 [1060LM/ft] |
| | | | | | | | >90 | 2700K | 3270 [830LM/ft] |
| | | | | | | | | 3000K | 3340 [850LM/ft] |
| | | | | | | | | 3500K | 3410 [870LM/ft] |
| | | | | | | | | 4000K | 3550 [900LM/ft] |
| | | | | | | | | 5000K | 3550 [900LM/ft] |
| | | | | | | | | 6500K | 3550 [900LM/ft] |
| Dial switch CCT control | LLS-BE9435FDXSS1200(T) | | | | | | >80 | 3000K | / |
| | | | | | | | | 4300K | 4180 [1060LM/ft] |
| | | | | | | | | 6500K | / |
| | | | | | | | >90 | 3000K | / |
| | | | | | | | | 4300K | 3550 [900LM/ft] |
| | | | | | | | | 6500K | / |

| | | | | | | | | | |
|----------------------------|------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----|-------|---------------------|
| Regular | LLS-BE9435FDXSS1800(N) | 1800mm [5.91ft] | 220VAC~ 240VAC | 1.5 [0.25A/ft] | 60 [10.15W/ft] | 60 [10.15W/ft] | >80 | 2700K | 6070 [1030LM/ft] |
| | | | | | | | | 3000K | 6200 [1050LM/ft] |
| | | | | | | | | 3500K | 6340 [1070LM/ft] |
| | | | | | | | | 4000K | 6600 [1110LM/ft] |
| | | | | | | | | 5000K | 6600 [1110LM/ft] |
| | | | | | | | | 6500K | 6600 [1110LM/ft] |
| | | | | | | | >90 | 2700K | 5160 [870LM/ft] |
| | | | | | | | | 3000K | 5270 [890LM/ft] |
| | | | | | | | | 3500K | 5390 [910LM/ft] |
| | | | | | | | | 4000K | 5610 [950LM/ft] |
| | | | | | | | | 5000K | 5610 [950LM/ft] |
| | | | | | | | | 6500K | 5610 [950LM/ft] |
| Dial switch CCT control | LLS-BE9435FDXSS1800(T) | | | | | | >80 | 3000K | / |
| | | | | | | | | 4300K | 6600 [1110LM/ft] |
| | | | | | | | | 6500K | / |
| | | | | | | | >90 | 3000K | / |
| | | | | | | | | 4300K | 5610 [950LM/ft] |
| | | | | | | | | 6500K | / |
| Regular | LLS-BE6935FDXSS2400(N) | 2400mm [7.87ft] | 220VAC~ 240VAC | 2.0 [0.25A/ft] | 75 [9.53W/ft] | 80 [10.17W/ft] | >80 | 2700K | 7590 [960LM/ft] |
| | | | | | | | | 3000K | 7760 [980LM/ft] |
| | | | | | | | | 3500K | 7920 [1010LM/ft] |
| | | | | | | | | 4000K | 8250 [1050LM/ft] |
| | | | | | | | | 5000K | 8250 [1050LM/ft] |
| | | | | | | | | 6500K | 8250 [1050LM/ft] |
| | | | | | | | >90 | 2700K | 6450 [820LM/ft] |
| | | | | | | | | 3000K | 6590 [840LM/ft] |
| | | | | | | | | 3500K | 6730 [860LM/ft] |
| | | | | | | | | 4000K | 7010 [890LM/ft] |
| | | | | | | | | 5000K | 7010 [890LM/ft] |
| | | | | | | | | 6500K | 7010 [890LM/ft] |
| Dial switch CCT control | LLS-BE6935FDXSS2400(T) | | | | | | >80 | 3000K | / |
| | | | | | | | | 4300K | 8250 [1050LM/ft] |
| | | | | | | | | 6500K | / |
| | | | | | | | >90 | 3000K | / |
| | | | | | | | | 4300K | 7010 [890LM/ft] |
| | | | | | | | | 6500K | / |

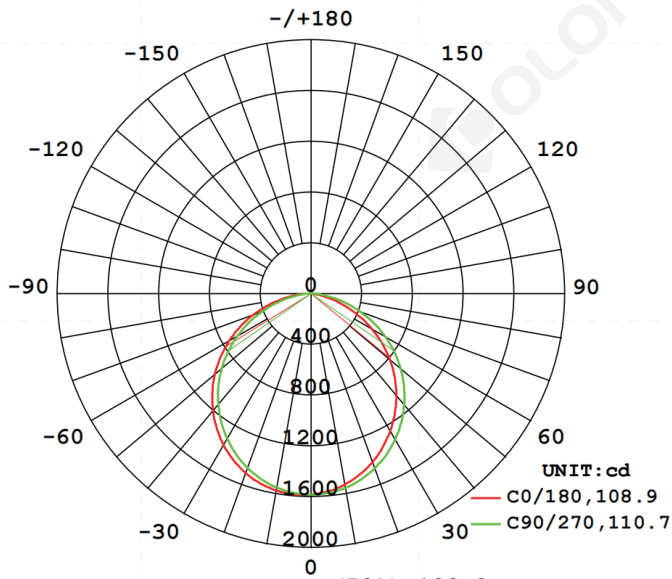
| | | | | | | | | | |
|------------------------|------------------------|--------------------|---------------------|-------------------|-------------------|-------------------|-------|---------------------|---------------------|
| High-efficiency models | LLS-BE9435FDXSS1200(H) | 1200mm [3.94ft] | 220VAC~ 240VAC | 1.0 [0.25A/ft] | 38 [9.64W/ft] | 40 [10.15W/ft] | >80 | 2700K | 4540 [1150LM/ft] |
| | | | | | | | | 3000K | 4640 [1180LM/ft] |
| | | | | | | | | 3500K | 4740 [1200LM/ft] |
| | | | | | | | | 4000K | 4940 [1250LM/ft] |
| | | | | | | | | 5000K | 4940 [1250LM/ft] |
| | | | | | | | | 6500K | 4940 [1250LM/ft] |
| | >90 | 2700K | 3860 [980LM/ft] | | | | | | |
| | | 3000K | 3950 [1000LM/ft] | | | | | | |
| | | 3500K | 4030 [1020LM/ft] | | | | | | |
| | | 4000K | 4200 [1070LM/ft] | | | | | | |
| | | 5000K | 4200 [1070LM/ft] | | | | | | |
| | | 6500K | 4200 [1070LM/ft] | | | | | | |
| | LLS-BE9435FDXSS1800(H) | 1800mm [5.91ft] | 220VAC~ 240VAC | 1.5 [0.25A/ft] | 60 [10.15W/ft] | 60 [10.15W/ft] | >80 | 2700K | 7180 [1210LM/ft] |
| | | | | | | | | 3000K | 7330 [1240LM/ft] |
| | | | | | | | | 3500K | 7490 [1270LM/ft] |
| | | | | | | | | 4000K | 7800 [1320LM/ft] |
| | | | | | | | | 5000K | 7800 [1320LM/ft] |
| | | | | | | | | 6500K | 7800 [1320LM/ft] |
| >90 | | | | | | | 2700K | 6100 [1030LM/ft] | |
| | | | | | | | 3000K | 6230 [1050LM/ft] | |
| | | | | | | | 3500K | 6360 [1080LM/ft] | |
| | | | | | | | 4000K | 6630 [1120LM/ft] | |
| | | | | | | | 5000K | 6630 [1120LM/ft] | |
| | | | | | | | 6500K | 6630 [1120LM/ft] | |
| LLS-BE9435FDXSS2400(H) | 2400mm [7.87ft] | 220VAC~ 240VAC | 2.0 [0.25A/ft] | 75 [9.53W/ft] | 80 [10.17W/ft] | >80 | 2700K | 8970 [1140LM/ft] | |
| | | | | | | | 3000K | 9170 [1170LM/ft] | |
| | | | | | | | 3500K | 9360 [1190LM/ft] | |
| | | | | | | | 4000K | 9750 [1240LM/ft] | |
| | | | | | | | 5000K | 9750 [1240LM/ft] | |
| | | | | | | | 6500K | 9750 [1240LM/ft] | |
| | | | | | | >90 | 2700K | 7630 [970LM/ft] | |
| | | | | | | | 3000K | 7790 [990LM/ft] | |
| | | | | | | | 3500K | 7960 [1010LM/ft] | |
| | | | | | | | 4000K | 8290 [1050LM/ft] | |
| | | | | | | | 5000K | 8290 [1050LM/ft] | |
| | | | | | | | 6500K | 8290 [1050LM/ft] | |

Note:

1. The above parameters were tested based on 1.2M(3.94') standard products;
2. luminous flux is allowed to have a ±10% error range;
3. The above parameters are typical values.

[Optical Parameter]

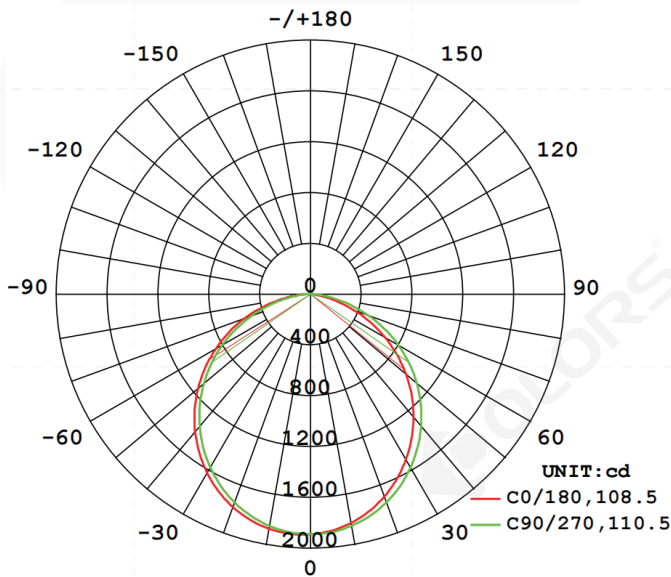
[Regular/Dial switch CCT control]



AVERAGE BEAM ANGLE (50%) : 109.8 DEG

luminous intensity
distribution diagram

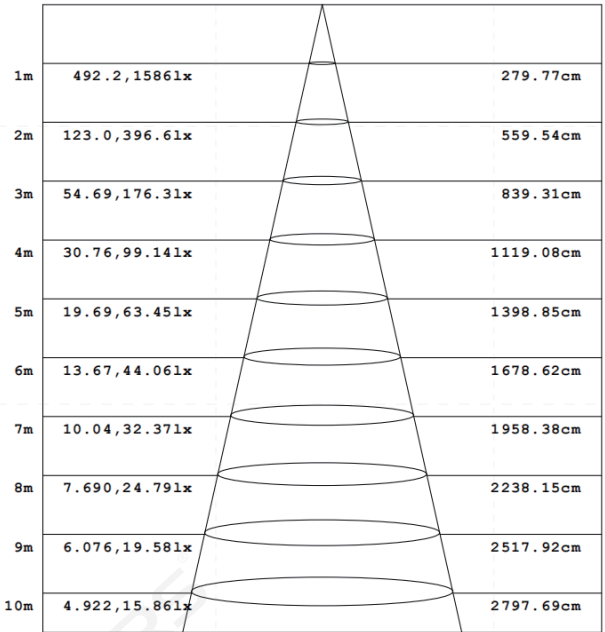
[High-efficiency models]



AVERAGE BEAM ANGLE (50%) : 109.5 DEG

luminous intensity
distribution diagram

Flux out: 3154 lm

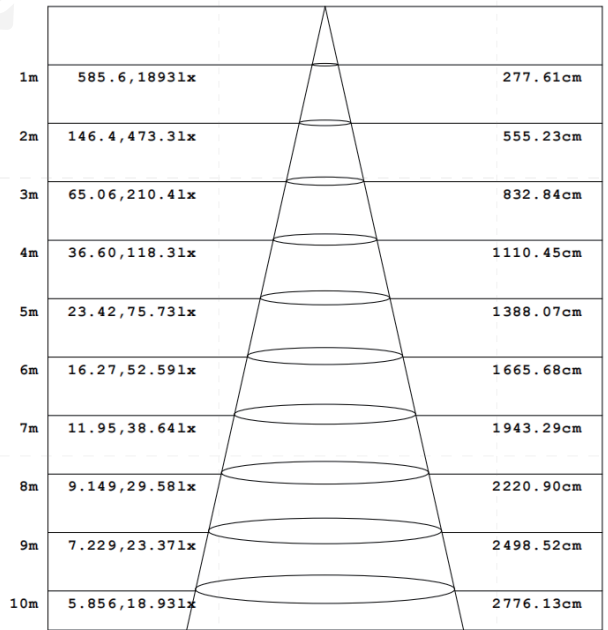


Height Eavg, Emax Angle: 108.88deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

AAI Figure

Flux out: 3752 lm

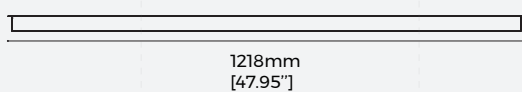


Height Eavg, Emax Angle: 108.46deg Diameter

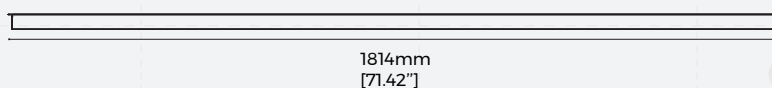
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

AAI Figure

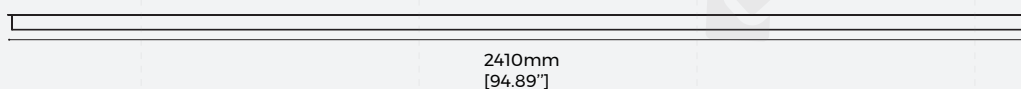
[Product mechanical data]



35mm [1.38\"/>
 94mm [3.70\"]


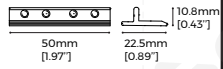




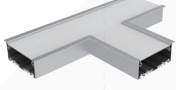



35mm [1.38\"/>
 94mm [3.70\"]



35mm [1.38\"/>
 94mm [3.70\"]

[Product Accessories Information]

| Picture | Section size | Name | Description | Model | Note |
|---|--|---|---|-------------|-------------------------------------|
|  |  50mm [1.97"] 22.5mm [0.89"] 10.8mm [0.43"] | Splicing bar | Size:L50*W22.5*H10.8mm [Inch size:L1.97**W0.89**H0.43"] | EX-17 | Splicing Accessories |
|  | / | Recessed buckle | Size:L68.5*W35*H31.6mm [Inch size:L2.70**W1.38**H1.24"] | RB-02 | Installation Accessories |
|  | / | L shaped corner | Without lighting source; Size:L150*W150*H35mm [Inch Size:L5.91**W5.91**H1.38"] | L90-BE9435 | Customizable interconnected corners |
|  | / | L shaped corner (light from outward) | Without lighting source; Size:L150*W150*H94mm [Inch Size:L5.91**W5.91**H3.70"] | L90W-BE9435 | |
|  | / | L shaped corner (light from inward) | Without lighting source; Size:L150*W150*H94mm [Inch Size:L5.91**W5.91**H3.70"] | L90N-BE9435 | |
|  | / | T shaped corner | Without lighting source; Size:L300*W197.5*H35mm [Inch Size:L11.81**W7.78**H1.38"] | T90-BE9435 | |
|  | / | X shaped corner | Without lighting source; Size:L300*W300*H35mm [Inch Size:L11.81**W11.81**H1.38"] | X90-BE9435 | |

[Product Type]

【Regular/High-efficiency models】

· Dimming method: Non/ DALI-2+PUSH/ 1-10V/CASAMBI/WIFI/Bluetooth/Zigbee optional



· CASAMBI Dimming

Technical parameters:

- Input Voltage: 220-240VAC/50Hz
- APP supported version: iPhone iOS10/iPad iOS 10/Android 4.4 and above
- Can act as a repeater
- Support APP remote dimming, brightness adjustment, group control and scene control, etc.

CASAMBI

GET IT ON
App Store

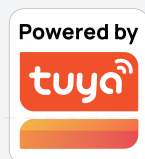
GET IT ON
Google play



· WIFI/Zigbee/Bluetooth Dimming

Technical parameters:

- Input Voltage: 220-240VAC/50Hz
- Input signal: WIFI/Zigbee/Bluetooth(optional)
- Remote distance: 30m(no barrier)
- Dimming range: 1-100% (Linear Dimming)
- Support APP remote dimming, timeline brightness auto-adjustment, group control and scene control, etc.



· Function



Brightness
Adjustment



Remote
Control



Timing &
Delay Time



Group &
Scene Control



Brightness
Gradient



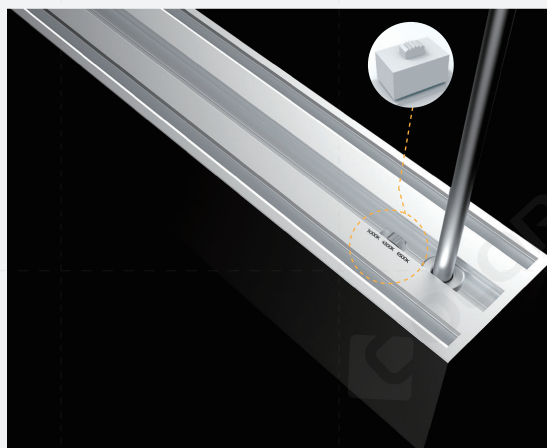
Power-Off
Memory



Do-Not
-Disturb

【Dial switch CCT control】

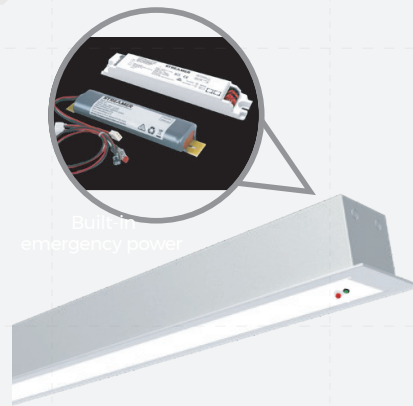
- Dimming method: Non/ DALI-2+PUSH/ 1-10V optional
- 3000K/4300K/6500K 3-tier CCT adjustable, can achieve general lighting demands









[Product Type]

【Emergency power model】

- Dimming method: Non/ DALI-2+PUSH/ 1-10V optional
- Product length is 1.2m, other lengths need to be customized.



1. Test button : The test button is a open switch, if you press it, the emergency driver connects and goes into emergency mode. If you release the button, it will cuts off mergency driver and goes back to normal mode automatically.
2. If the luminaire is in the emergency state, press and hold the emergency test button for 5S to cancel the emergency state.
3. LED indicator : It can reflect / working / non working / charging / fully charged status,as detailed below.

| Indicator | Color and led indication | Status | Comment |
|---|--|--------------------------------|---|
|  | Permanent green | Fully charged or charging mode | AC mode |
|  | Fast flashing green (0.1 sec on, 0.1 sec off) | Function test underway | self-test function |
|  | Slow flashing green (1 sec on, 1 sec off) | Duration test underway | self-test function |
|  | Permanent red | Load failure | Open circuit / Short circuit |
|  | Slow flashing red (1 sec on, 1 sec off) | Battery failure | Battery failed the duration test or function test / No battery |
|  | Green and red off | DC mode | Battery opration (emergency mode) |

The emergency battery carries out self-tests automatically to ensure its functionality, it includes 3 types tests :

1. Initial test : As soon as mains supply is connected, the emergency battery will carry out a 3-seconds functional test automatically. In case of a failure, the LED will turn permanent red, otherwise , the charge mode will start.
2. Functional test : Refers to charging, discharging and the functioning of load, it will carry out for 10 seconds automatically every 30 calendar days.
3. Duration test : Refers to the test of batteries capacity, it carry out every 180 calendar days.

[Packing]

| Model | Dimension (mm) | Quantity /box | Quantity /carton | NW (kg) | NW /carton/(kg) | CW (kg) | Carton size (mm) |
|--|------------------------------------|--------------------------|-----------------------------|--------------------|----------------------------|--------------------|---------------------------------------|
| LLS-BE9435FDXSS1200(N) -T38NW8N-DC | 1218*94*35 [47.95"*3.70"*1.38"] | 1 | 4 | 1.70 | 6.80 | 11.5 | 1298*278*149 [51.10"*10.94"*5.87"] |
| LLS-BE9435FDXSS1800(N) -T60NW8N-DCC | 1814*94*35 [71.42"*3.70"*1.38"] | 1 | 4 | 2.40 | 9.60 | 16.0 | 1894*278*149 [74.57"*10.94"*5.87"] |
| LLS-BE9435FDXSS2400(N) -T75NW8N-DC | 2410*94*35 [94.89"*3.70"*1.38"] | 1 | 4 | 3.10 | 12.40 | 19.0 | 2490*278*149 [98.03"*10.94"*5.87"] |

[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