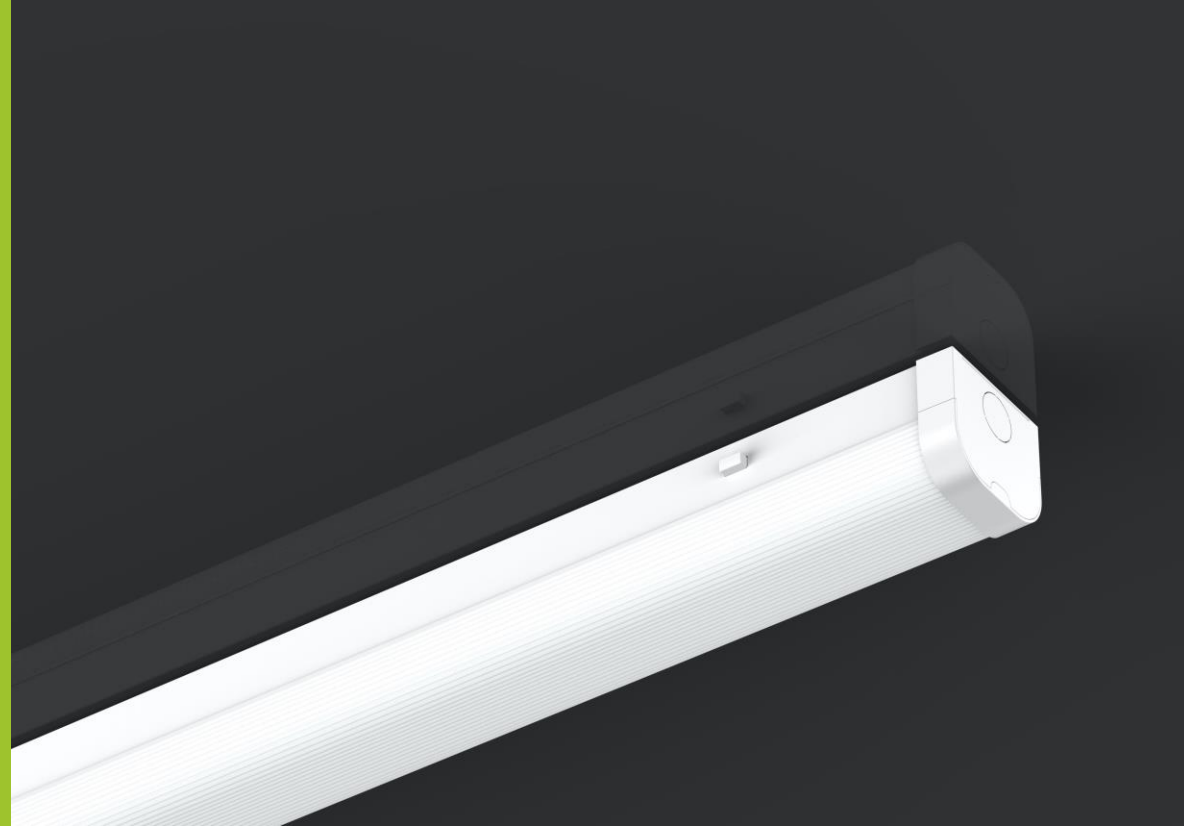


# Vesta O-Line 76 Led Linear Batten

The Vesta O-Line 76 LED surface or suspended series is a perfect solution for flat recessed installations. The design of the batten has, simple construction and superior capability. The opaque PC diffuser achieves anti-glare and high light transmittance. Optional microwave sensor & 3- hour emergency providing smart control and additional energy savings.



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Product Specification

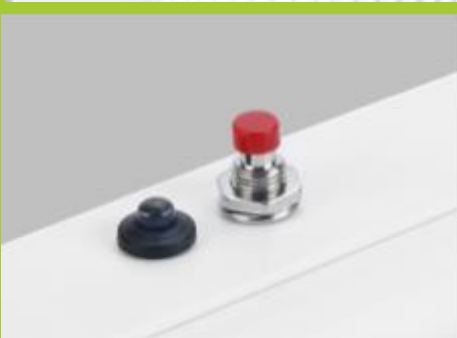
# LED Linear Batten

## Product APPLICATIONS

Suitable for:  
Offices  
Meeting Rooms  
Schools  
Workshops  
Passages

## Product FEATURES

4 fast buttons in bracket for fast disassembly.  
High lumen efficiency,110lm/w  
IK08 impact protection.  
Emergency optional. (Not including 600mm)  
Optional Interchangeable CCT (3000/4000/5700k) with slide switch.  
Optional Microwave sensor  
Optional 3-hour emergency  
Optional Loop-in and Loop-out function



## TECHNICAL DATA

| MODEL NO.                                                                    | LB060N/<br>20xx076                                             | LB120N/<br>40xx076 | LB150N/<br>50xx076 | LB150N/<br>58xx076 | LB180N/<br>58xx076 | LB180N/<br>72xx076 |
|------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                                              | LB060S/<br>20xx076                                             | LB120S/<br>40xx076 | LB150S/<br>50xx076 | LB150S/<br>58xx076 | LB180S/<br>58xx076 | LB180N/<br>72xx076 |
|                                                                              | -                                                              | LB120E/<br>40xx076 | LB150E/<br>50xx076 | -                  | -                  | LB180E/<br>72xx076 |
| CCT (x) Finish Colour WHT(W) RAL 9016<br>S- Sensor , E – Emergency 3W 3Hours |                                                                |                    |                    |                    |                    |                    |
| WATT(W)                                                                      | 20                                                             | 40                 | 50                 | 58                 | 58                 | 72                 |
| DIMENSION (MM)                                                               | 603*71*64                                                      | 1203*71*64         | 1503*71*64         |                    | 1803*71*64         |                    |
| CUT OUT (MM)                                                                 | -                                                              | -                  | -                  | -                  | -                  | -                  |
| RATED INPUT VOLTAGE (V)                                                      | AC230V                                                         |                    |                    |                    |                    |                    |
| INPUT VOLTAGE(V)                                                             | 100-240VAC                                                     |                    |                    |                    |                    |                    |
| LED MODULE INPUT                                                             | -                                                              |                    |                    |                    |                    |                    |
| LIGHT SOURCE                                                                 | SMD                                                            |                    |                    |                    |                    |                    |
| SDCM                                                                         | <6                                                             |                    |                    |                    |                    |                    |
| CORRELATED COLOR TEMPERATURE                                                 | 1-CCT: 3000K, 4000K, 5000K & 5700K    3-CCT: 3000K+4000K+5700K |                    |                    |                    |                    |                    |
| LUMEN 1-CCT (LM)                                                             | 1840~2040                                                      | 4000~4400          | 4800~5400          | 5200~5850          | 5700~6300          | 6700~7500          |
| LUMEN 3-CCT (LM)                                                             | 1840~2200                                                      | 4000~4600          | 4800~6000          | 5200~6500          | 5700~7000          | 6700~8350          |
| COLOR RENDERING INDEX                                                        | >80                                                            |                    |                    |                    |                    |                    |
| BEAM ANGLE                                                                   | 120°                                                           |                    |                    |                    |                    |                    |
| UGR                                                                          | -                                                              |                    |                    |                    |                    |                    |
| LED DRIVER                                                                   | Built in                                                       |                    |                    |                    |                    |                    |
| DIMMABLE                                                                     | Non-dimmable                                                   |                    |                    |                    |                    |                    |
| SENSOR                                                                       | PIR Sensor optional                                            |                    |                    |                    |                    |                    |
| EMERGENCY                                                                    | 3 hr Emergency optional                                        |                    |                    |                    |                    |                    |
| ELECTRICAL CLASS                                                             | Class 1                                                        |                    |                    |                    |                    |                    |
| IP RATING                                                                    | IP20                                                           |                    |                    |                    |                    |                    |
| IK RATING                                                                    | IK08                                                           |                    |                    |                    |                    |                    |
| FINISHING COLOUR                                                             | WHT(W) RAL 9016                                                |                    |                    |                    |                    |                    |
| MATERIAL                                                                     | Aluminum<br>Polycarbonate Opal Diffuser                        |                    |                    |                    |                    |                    |
| LIFETIME (HR)                                                                | >50,000Hrs (Ta=30°C@L70)                                       |                    |                    |                    |                    |                    |
| POWER FACTOR                                                                 | ≥0.9                                                           |                    |                    |                    |                    |                    |
| GLOW WIRE TEST                                                               | 750°C                                                          |                    |                    |                    |                    |                    |
| OPERATING TEMP.(°C)                                                          | -20°C ~ 45°C                                                   |                    |                    |                    |                    |                    |
| STORAGE TEMP.(°C)                                                            | -20°C ~ 65°C                                                   |                    |                    |                    |                    |                    |
| MOUNTING OPTION                                                              | Surface Mount                                                  |                    |                    |                    |                    |                    |

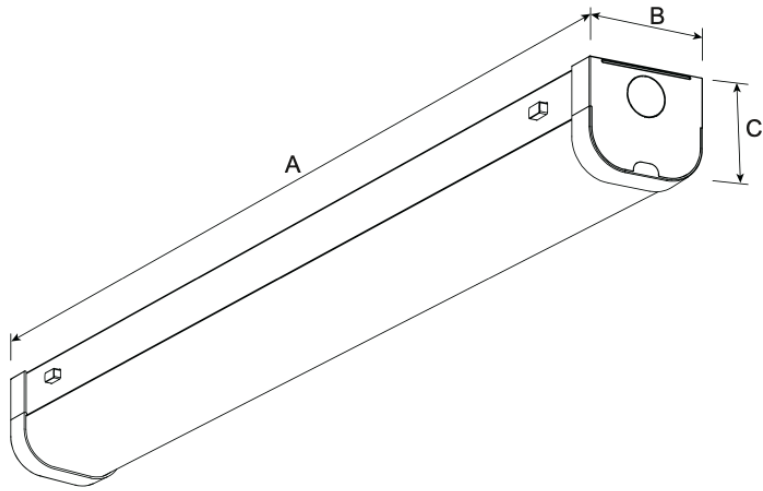
| Driver Datasheet |                              |                                      |                                    |          |                 |          |
|------------------|------------------------------|--------------------------------------|------------------------------------|----------|-----------------|----------|
|                  | Non Dimmable                 |                                      |                                    |          |                 |          |
| Power            |                              | 20W                                  | 40W                                | 50W      | 58W             | 72W      |
| Output           | Full Load Output Voltage (V) | DC60-72V                             | DC65-82V                           | DC70-88V | DC70-88V        | DC70-88V |
|                  | Rated Output Current (mA)    | 260mA                                | 500mA                              | 510mA    | 650mA           | 800mA    |
|                  | Line Regulation              | ±5%                                  |                                    |          |                 |          |
|                  | Setup, Rise Time             | ≤0.55                                |                                    |          |                 |          |
|                  | Flickering Index             | -                                    |                                    |          |                 |          |
| Input            | Input Voltage(V)             | AC230V                               |                                    |          |                 |          |
|                  | Rated Input Voltage(V)       | AC200-240V                           |                                    |          |                 |          |
|                  | Frequency (Hz)               | 50/60Hz                              |                                    |          |                 |          |
|                  | Input Current (A)            | ≤0.12A                               | ≤0.23A                             | ≤0.28A   | ≤0.36A          | ≤0.45A   |
|                  | Rated Input Current (A)      | 0.11A                                | 0.19A                              | 0.24A    | 0.28A           | 0.34A    |
|                  | Power Factor                 | 0.9                                  |                                    |          |                 |          |
|                  | THD (V)                      | -                                    | <20% @ 230V                        |          | IEC/EN61000-3-2 |          |
|                  | Efficiency                   | >85%                                 | >89%                               | >89%     | >89%            | >89%     |
|                  | No load wattage              | <0.5W                                |                                    |          |                 |          |
| Protection       | Short Circuit Protection     | PASS                                 |                                    |          |                 |          |
|                  | Overvoltage Protection       | PASS                                 |                                    |          |                 |          |
|                  | Over temperature protection  | PASS                                 |                                    |          |                 |          |
|                  |                              |                                      |                                    |          |                 |          |
| Sfety & EMC      | Withstand Voltage            | -                                    |                                    |          |                 |          |
|                  | Isolation Resistance         | -                                    |                                    |          |                 |          |
|                  | Surge (V)                    | IEC61000-4-5 (L-N:0.5KV, L/N-PG:1KV) | IEC61000-4-5 (L-N:1KV, L/N-PG:2KV) |          |                 |          |
|                  | EMC Emission                 | EN55015, EN61000-3-2                 |                                    |          |                 |          |
|                  | EMC Immunity                 | EN61000-4-2,3,4,5,6,8,11;EN61547     |                                    |          |                 |          |



| Driver Datasheet             |              |
|------------------------------|--------------|
| Emergency                    |              |
| Power                        | 3W           |
| Rated Input Voltage(V)       | AC200-240V   |
| Frequency (Hz)               | 50/60Hz      |
| Input Voltage(V)             | AC180-264V   |
| Efficiency                   | >70%         |
| Total Load Wattage (W)       | 3W±0.5W      |
| Power Factor                 | 0,5          |
| Rated Input Current (A)      | ≤0.05A       |
| Full Load Output Voltage (V) | DC66-90V     |
| Rated Output Current (mA)    | DC40-20mA    |
| Output Current Range (mA)    | DC40-20mA±5% |
| Power Tolerance              | ±5%          |
| Current output tolerance     | ±5%          |
| Battery Duration             | >3h          |
| Charge Period                | <24h         |
| Short Circuit Protection     | PASS         |
| Overvoltage Protection       | PASS         |
| Over temperature protection  | PASS         |
| THD (V)                      | -            |
| Surge (V)                    | -            |
| Withstand Voltage            | -            |

| Driver Datasheet         |                         |
|--------------------------|-------------------------|
| Sensor                   |                         |
| Rated Input Voltage(V)   | AC230V                  |
| Frequency (Hz)           | 50/60Hz                 |
| Input Voltage(V)         | AC220-240V              |
| Load Power (W)           | ≤500W                   |
| Detection Beam Angle     | 120                     |
| Duration Time Adjustment | 10sec-7min (adjustable) |
| Lux Level                | <3-2000lux (adjustable) |
| IP Rating:               | IP65                    |
| Operating Temp           | -20°C ~ 40°C <93% RH    |
| Power Consumption        | Approx. 0.5w            |
| Installation height      | 1.8-2.5m                |
| Detection Moving Speed   | 0.6-1.5m/s              |

# Product INSTALLATION



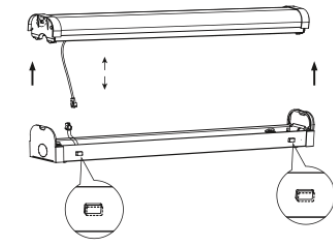
## Product DIMENSIONS

Dimensions (mm)

|                |      | A    | B  | C  | Size(mm)   |
|----------------|------|------|----|----|------------|
| LB060N/20●●076 | 600  | 603  | 71 | 64 | 603*71*64  |
| LB120N/40●●076 | 1200 | 1203 | 71 | 64 | 1203*71*64 |
| LB150N/50●●076 | 1500 | 1503 | 71 | 64 | 1203*71*64 |
| LB150N/58●●076 | 1500 | 1503 | 71 | 64 | 1503*71*64 |
| LB180N/58●●076 | 1800 | 1803 | 71 | 64 | 1803*71*64 |
| LB180N/72●●076 | 1800 | 1803 | 71 | 64 | 1803*71*64 |

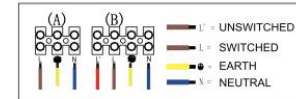
### How to install

#### Step 1

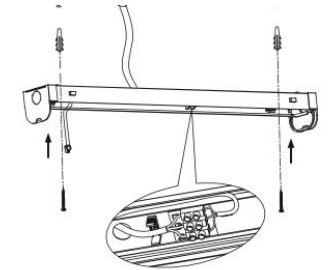


Press the snap-on button and remove the cover.

#### Step 2

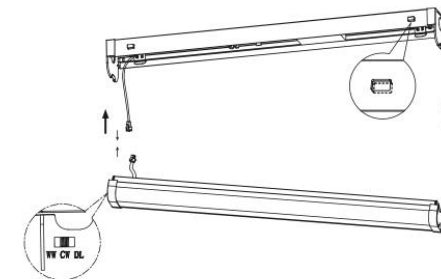


(A) wiring diagram only for Non-emergency function light  
(B) wiring diagram only for Emergency function light



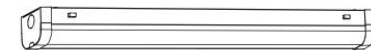
Knock plastic anchor into ceiling. Connect the cable to terminal block. Fix the base to the ceiling.

#### Step 3



Slide the preferred CCT, connect the DC plug. Press the snap-on button and fix the cover to the base.

#### Step 4



Installation complete.