

## LED LINEAR ULTIMATE

### Application

LED LINEAR ULTIMATE lighting fixture is suitable for:

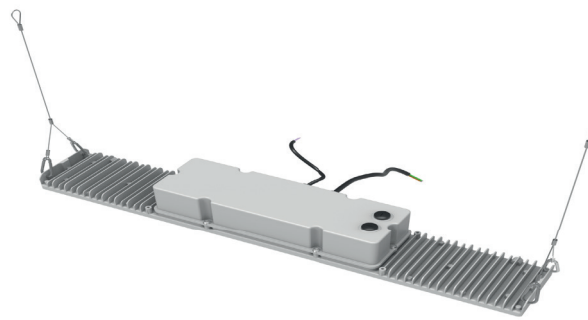
- > industrial halls & warehouses
- > exhibition centers
- > car parks
- > sport facilities
- > large areas
- > shopping malls

### Advantages:

- High luminous efficiency of 180 lm/W
- Power factor  $\geq 0.95$
- Energy efficiency class A
- Professional light distribution makes maximum use of lumens
- Rectangular light type specially designed for warehouse aisles
- Multiple mounting options for replacement and new installations
- High visual comfort
- No hazardous materials
- Immunity according to standard
- Quality in accordance to all EU standards and directive

### ADVANTAGES OF ELECTROSTART

- EU based company
- Long experience in the field of lighting and components
- Experience with customers in more than 40 countries
- Excellent customer service
- Projects based on customer needs
- Products manufactured in EU
- Warranty on most products 5 Years



### Electrical characteristics

|                         |                                        |
|-------------------------|----------------------------------------|
| Supply voltage          | 120-240VAC                             |
| Frequency               | 50/60Hz                                |
| Power factor            | $\geq 0.95$                            |
| LED driver type         | Constant current (CC)                  |
| Power select            | 60/80/100<br>90/120/150<br>120/160/200 |
| CCT select              | 3 CCT                                  |
| Energy efficiency class | A                                      |

### Protection

|                    |                         |
|--------------------|-------------------------|
| Ingress protection | IP65                    |
| IK rating          | IK08                    |
| Safety             | Class I                 |
| Surge protection   | L-N: 6kV; L, N-GND: 6kV |

### Warranty conditions

|                                   |                                                              |
|-----------------------------------|--------------------------------------------------------------|
| Lifespan of the LEDs<br>@ Ta 25°C | L70B50 -> 100 000h<br>L80B20 -> 50 000h<br>L90B10 -> 30 000h |
| Switching cycles                  | -> 100 000 times                                             |
| Warranty                          | 5 Y                                                          |
| Ambient temperature               | -20 ~ 35°C                                                   |
| Approvals                         | CE                                                           |

### Lighting characteristics

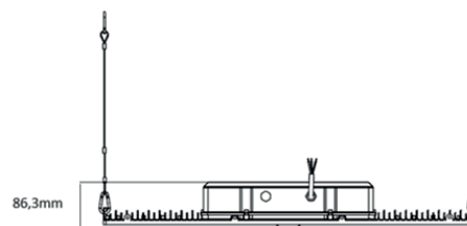
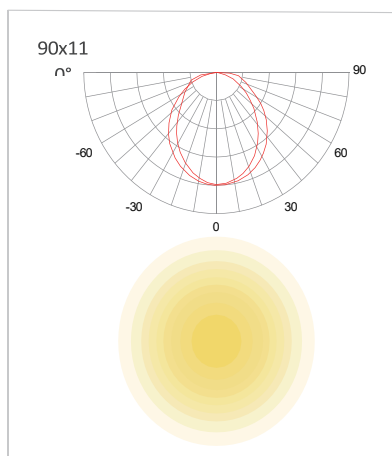
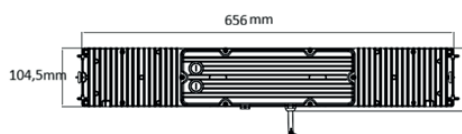
|                             |                   |
|-----------------------------|-------------------|
| Efficiency                  | 180 lm/W          |
| Color rendering index (CRI) | >80               |
| Color temperature (CCT)     | 3000K/4000K/6500K |
| LED type                    | SMD 2835          |

### Body characteristics

|         |               |
|---------|---------------|
| Housing | Aluminum      |
| Optic   | Polycarbonate |

### Standards

|                           |             |
|---------------------------|-------------|
| Harmonics                 | EN61000-3-2 |
| Flicker & fluctuations    | EN6100-3-3  |
| EMC immunity              | EN61547     |
| Emission tests            | EN55015     |
| Luminaires                | EN60598-1   |
| LED Luminaire performance | EN62722-2-1 |
| Photobiological safety    | EN62471     |



Bracket