

## LED Tri-Proof Premium



### Characteristics

High luminous efficiency of up to 173 lm/W  
 High grade of protection IP66  
 Easy and quick installation  
 Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)  
 Material of the body: flame retardant glass fibre reinforced polyester  
 Material of the diffuser: PMMA/PC on request  
 RFI conform up to 300MHz  
 Immunity according to standard PF $\geq$  0.95  
 Energy efficiency class B

### Typical application

Manufacturing plants  
 Warehouse Lighting  
 Car parks  
 Under canopy lighting  
 Stations

### Electrical characteristics

|                     |                 |
|---------------------|-----------------|
| Supply voltage      | 100-240VAC      |
| Frequency           | 50/60 Hz        |
| Power factor        | $\geq 0.95$     |
| Control Protocol(s) | DALI (optional) |

### Protection

|                    |         |
|--------------------|---------|
| Ingress protection | IP66    |
| Safety class       | Class I |

### Body characteristics

|          |                                        |
|----------|----------------------------------------|
| Housing  | GRP (Glass fiber reinforced polyester) |
| Diffuser | PMMA/PC on request                     |

### Lighting characteristics

|                             |                                       |
|-----------------------------|---------------------------------------|
| Efficiency                  | up to 173 lm/W                        |
| Color rendering index (CRI) | >80, >85 (optional)<br>>90 (optional) |
| Color temperature (CCT)     | 3000K/4000K/6500K                     |
| Flicker                     | Flicker Free                          |
| LED chips                   | SAMSUNG                               |

### Warranty conditions

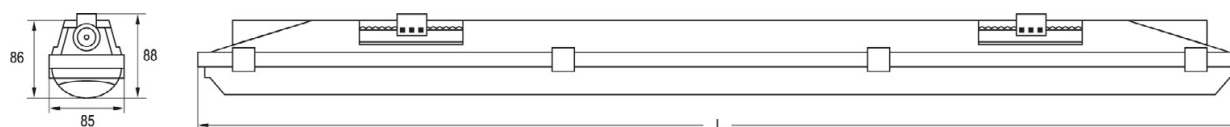
|                     |                            |
|---------------------|----------------------------|
| Lifespan            | 50 000 h                   |
| Warranty            | 5 Y                        |
| Ambient temperature | -20 ~ 35°C/on request 40°C |
| Storage temperature | -20 ~ 60°C                 |

### Standards

|                           |              |
|---------------------------|--------------|
| Harmonics                 | EN 61000-3-2 |
| EMC Immunity              | EN 61547     |
| Conducted Emission Test   | EN 55015     |
| Luminaires                | EN 60598-1   |
| LED Luminaire performance | EN 62722-2-1 |
| Photobiological safety    | EN 62471     |

| Product                   | Supply voltage | Rated power | Luminous flux | Efficiency | CCT               | CRI | Flicker | Length (mm) | Width (mm) | Height (mm) |
|---------------------------|----------------|-------------|---------------|------------|-------------------|-----|---------|-------------|------------|-------------|
| LED Tri-Proof Premium 23W | 100-240VAC     | 22W         | 3 810lm       | 173.2lm/W  | 3000K/4000K/6500K | >80 | FF      | 1185        | 85         | 88          |
| LED Tri-Proof Premium 29W | 100-240VAC     | 28W         | 4 870lm       | 173.9lm/W  | 3000K/4000K/6500K | >80 | FF      | 1477        | 85         | 88          |
| LED Tri-Proof Premium 37W | 100-240VAC     | 36W         | 6 000lm       | 166.6lm/W  | 3000K/4000K/6500K | >80 | FF      | 1185        | 85         | 88          |
| LED Tri-Proof Premium 50W | 100-240VAC     | 49W         | 8 100lm       | 165.3lm/W  | 3000K/4000K/6500K | >80 | FF      | 1477        | 85         | 88          |
| LED Tri-Proof Premium 54W | 100-240VAC     | 54W         | 8 830lm       | 163.5lm/W  | 3000K/4000K/6500K | >80 | FF      | 1477        | 85         | 88          |

## Schemes



## Lighting Curves

