

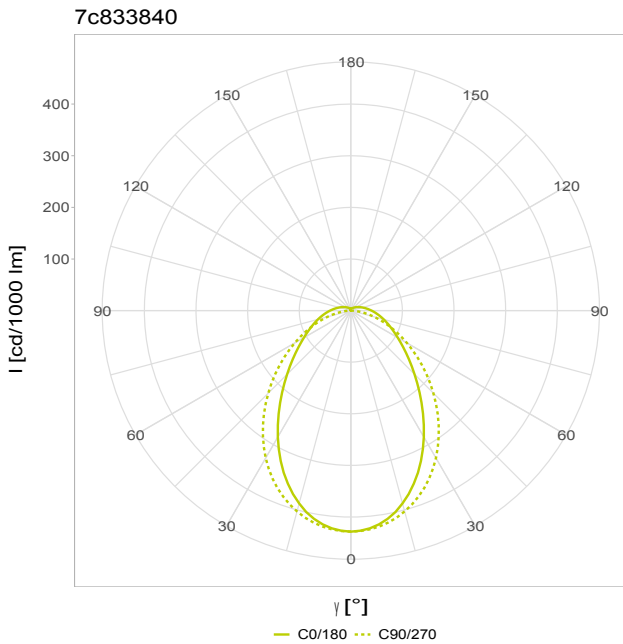
Article-No: 7c833840  
 Round tube luminaire



**TUBIS LED RESISTANT DALI  
 1.6m PO 1x48W 080° 7900lm  
 840 TW5x2,5+2x1,5 class II**

LED tubular luminaire for extreme areas of application, optimized for livestock breeding as well as unprotected exterior and gas polluted areas. Welded tubular housing made of PRACHTOPAL (PMMA, impact resistant) with welded stainless steel end caps. Either integrated electrical supply cable (2m length) with open cable ends or circular connector (RST). Inclusive high quality electronic components, MID-Power LED technology for a homogeneous light output. Different types for standard on/off or DALI control are available. Luminaire in mounting rings rotatable, substantially acid and alkali resistant. Extreme short ageing-resistant silicone seals, variable mounting distances by PRACHT-stainless steel-rings, suitable for ceiling, horizontal and vertical wall mounting, accessories for pendant and mounting rail installation available for order, also approved for unprotected outdoor application.

GTIN 4018098377870  
 Statistical product number 94054231



**DIMENSIONS AND WEIGHTS**

|            |         |
|------------|---------|
| Length     | 1560 mm |
| Width      | 90 mm   |
| Height     | 105 mm  |
| Net weight | 4,20 kg |

**OUTPUT**

|   |          |
|---|----------|
| Luminous flux                               | 7900 lm  |
| Systempower                                 | 48 W     |
| Efficacy                                    | 165 lm/W |
| Energy efficiency class of the light source | C        |

**ASSEMBLY AND MAINTENANCE**

|                        |   |
|------------------------|---|
| Optional mounting type | Pendulum mounting, horizontal Wall, vertical wall |
| Standard mounting      | Ceiling   |

## LIGHT SOURCE

|  |                  |
|--|------------------|
| Luminaire type                               | LED              |
| Number of light sources   LED rows   lamps   | 1                |
| Colour temperature                           | 4000 K           |
| Colour rendering index                       | >80              |
| Number of LEDs                               | 180              |
| Standard Deviation of Colour Matching (SDCM) | 3                |
| Control gear exchangeable                    | not exchangeable |
| Light source exchangeable                    | not exchangeable |

## LIGHTING ENGINEERING

|                                   |                           |
|-----------------------------------|---------------------------|
| Light distributor                 | Diffuser lens/optic/panel |
| Light distribution angle          | 80 °                      |
| Light distribution                | medium beam               |
| Glare limitation UGR 4H 8H C0 C90 | 23 / 23                   |

## MATERIAL

|                  |                 |
|------------------|-----------------|
| Cover material   | PO - PRACHTOPAL |
| Housing material | PRACHTOPAL      |
| Housing colour   | opalized        |

## CAPACITY

|   |  |
|---|--|
| outdoor area                            | Unprotected outdoor area in the direct vicinity of the building with cable entry from below or from the side |
| Rebuildable                             | false  |
| IK-Impact resistance                    | IK08   |
| Protection class (IP)                   | IP66, IP68 (2m), IPX9, IPX9K   |
| Use in animal husbandry                 | without limitation   |
| Vandalism protection                    | false  |
| Warranty                                | 5 Years  |
| Life expectancy B50 at 25° in hours (h) |  |
| L90/B50 25°C                            | 73730  |
| L80/B50 25°C                            | >100000  |
| L70/B50 25°C                            | >100000  |
| Life expectancy B10 at 25° in hours (h) |  |
| L90/B10 25°C                            | 59851  |
| L80/B10 25°C                            | >100000  |
| L70/B10 25°C                            | >100000  |
| Life expectancy B50 at 50° in hours (h) |  |
| L90/B50 50°C                            | 54955  |
| L80/B50 50°C                            | >100000  |
| L70/B50 50°C                            | >100000  |
| max. lowest temperature                 | -30 °C   |
| max. highest temperature                | 50 °C  |

## TECHNICAL DATA



|   |                                |
|---|--------------------------------|
| Dimming type                                    | Dimming DALI<br>Dimming DALI-2 |
| Filament test                                   | 650 °C                         |
| Protection class                                | class II                       |
| Circuit Breaker B10A                            | 15 Luminaires                  |
| Circuit Breaker B16A                            | 24 Luminaires                  |
| Circuit Breaker C10A                            | 24 Luminaires                  |
| Circuit Breaker C16A                            | 40 Luminaires                  |
| Voltage spike protection<br>U (L-PE)            | 4,0 kV                         |
| Voltage spike protection<br>U (L-N)             | 2,0 kV                         |
| Through-wiring mm <sup>2</sup>                  | 5x2,5+2x1,5                    |
| D-marking                                       | true                           |
| Voltage type acc. ETIM                          | AC/DC                          |
| IFS suitable                                    | true                           |
| Emergency light<br>suitability of the luminaire | No                             |
| Rated voltage                                   | 220-240V 0/50/60 Hz            |

## PACKAGING

|                  |           |
|------------------|-----------|
| VPE 1            |           |
| Unit             | Carton    |
| Content quantity | 1 Piece   |
| Length           | 1,85 m    |
| Width            | 0,10 m    |
| Height           | 0,09 m    |
| Weight           | 4,40 kg   |
| VPE 2            |           |
| Unit             | Pallet    |
| Content quantity | 60 Piece  |
| Length           | 1,90 m    |
| Width            | 0,80 m    |
| Height           | 1,20 m    |
| Weight           | 284,00 kg |

## FURTHER PRODUCT INFORMATION

|                   |            |
|-------------------|------------|
| REACH-Info        | false      |
| REACH-Listdate    | 2024-01-23 |
| Market labelling  | CE         |
| Product labelling | RoHS, WEEE |

*The right of error and later technical developments is reserved. 15.08.2024*

Values may be extrapolated differently from TM21.