

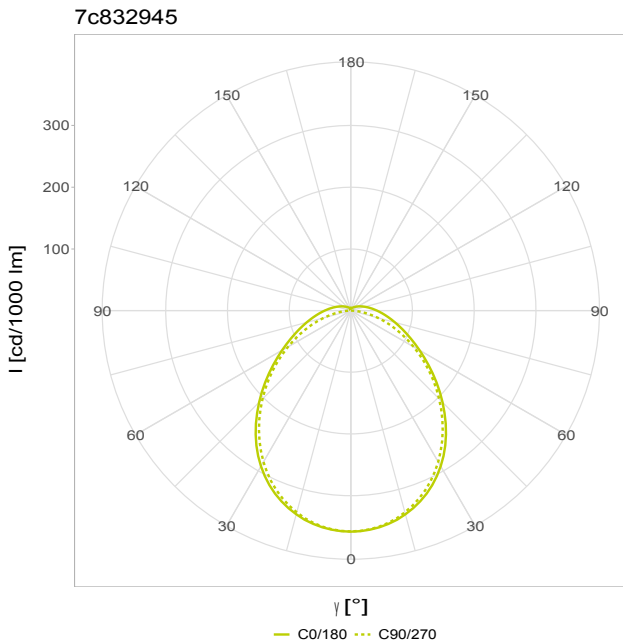
Article-No: 7c832945  
 Round tube luminaire



**TUBIS LED RESISTANT 1.6m  
 PO 1x48W 100° 7900lm 840  
 TW5x2,5 class II RST**

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 4018098379355  
 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	100 °
Light distribution	wide beam
Glare limitation UGR 4H 8H C0 C90	23 / 24

## 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	No dim function
Filament test	650 °C
Protection class	class II
Circuit Breaker B10A	11 Luminaires
Circuit Breaker B16A	18 Luminaires
Circuit Breaker C10A	18 Luminaires
Circuit Breaker C16A	30 Luminaires
Voltage spike protection U (L-PE)	4,0 kV
Voltage spike protection U (L-N)	2,0 kV
Through-wiring mm <sup>2</sup>	5x2,5
D-marking	true
Voltage type acc. ETIM	AC/DC
IFS suitable	true
Emergency light 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.