



## MINI BATTEN

### Typology

Luminaire with dimensions quite similar to a T8 tube with the advantage of direct mains connection and IP65 protection.

### Features

Ease of use in various applications, even in wet and dusty environments thanks to IP65: easily removable and repositionable.  
Great energy saving.  
Immediate switch on, no flickering or buzzes.

### Installation

It attaches to the clips with which the product is supplied.

### Material

Flame retardant PC.

### Applications

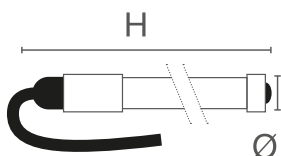
Workshops, production areas, garages, service corridors, commercial installations.



### Characteristic data

Power	20 W	Beam	160°	Dimmable	No	Input	220-240 Vac
Base	Free Wire	IP	65	Flux	2200 lm	PF	0.9
Tc	4000 K	Ra	80	LED Warranty	G2	RG	RG0

## Dimensional characteristics



Ø	29 mm
H	1200 mm

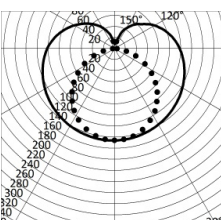
## Lighting and photometric features

Beam opening	160°
Flux	2200 lm
CCT nominal colour temperature	4000 K
Colour of the light	Natural light
Colour rendering index	80
Lifespan	30000 h
LED lifespan	L70B50
Trigger time	<0,2 s
Heating time up to 60% of full efficiency	Instant Full Light

## Electrical characteristics

Rated power	20 W
Input voltage	220-240 Vac
Frequency	50/60 Hz
Dimmable	No
Power factor (PF)	0.9
Weighted energy consumption	20 kWh/1000h
Energy efficiency class	This product contains a light source of energy efficiency class "E"
Operating temperature	-25°C / +35°C

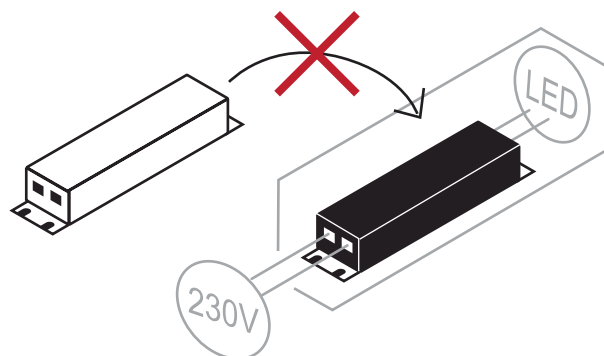
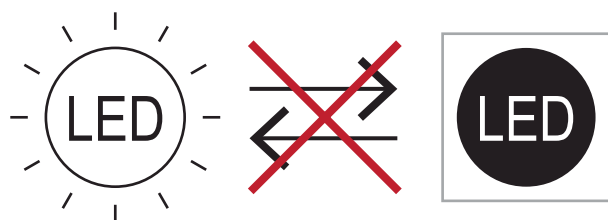
## Photometry

 <p>A photometric diagram (candela distribution curve) showing the beam spread and light distribution. The diagram is plotted on a polar coordinate system with concentric circles representing light intensity in candelas (cd) and radial lines representing angles in degrees. The beam is defined by a solid line with black dots, showing a wide, asymmetrical spread. The maximum intensity (Imax) is 166cd/klm. The diagram includes concentric circles for 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800, 3000, 3200, 3400, 3600, 3800, 4000, 4200, 4400, 4600, 4800, 5000, 5200, 5400, 5600, 5800, 6000, 6200, 6400, 6600, 6800, 7000, 7200, 7400, 7600, 7800, 8000, 8200, 8400, 8600, 8800, 9000, 9200, 9400, 9600, 9800, 10000, 10200, 10400, 10600, 10800, 11000, 11200, 11400, 11600, 11800, 12000, 12200, 12400, 12600, 12800, 13000, 13200, 13400, 13600, 13800, 14000, 14200, 14400, 14600, 14800, 15000, 15200, 15400, 15600, 15800, 16000, 16200, 16400, 16600, 16800, 17000, 17200, 17400, 17600, 17800, 18000, 18200, 18400, 18600, 18800, 19000, 19200, 19400, 19600, 19800, 20000, 20200, 20400, 20600, 20800, 21000, 21200, 21400, 21600, 21800, 22000, 22200, 22400, 22600, 22800, 23000, 23200, 23400, 23600, 23800, 24000, 24200, 24400, 24600, 24800, 25000, 25200, 25400, 25600, 25800, 26000, 26200, 26400, 26600, 26800, 27000, 27200, 27400, 27600, 27800, 28000, 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EuLumDat file on the site

## Other Infotech

Flicker Free	Yes
Light source replaceability	Non-replaceable light source.
Control gear replaceability	Non-replaceable control gear.



## LED Warranty

G2

Up to 2 years  
(4000h/year) \*4000h = 11h a day x 365 days.  
Without limitations on the duration of use for the first year, provided the observance of the installation conditions.

## European Directives

2009/125/EC \* Ecodesign  
2011/65/EU \* RoHS  
2012/19/EU \* RAEE  
2014/30/EU \* EMC  
2014/35/EU \* LVD  
2015/863 \* Amending RoHS  
2017/1369 \* Regulation for Energy Labelling  
2019/2015 \* Regulation for Energy Labelling  
2019/2020 \* Regulation for Ecodesign  
2021/340 \* Amending Reg. Energy Labelling  
2021/341 \* Amending Reg. Ecodesign

## Product standards

CEI EN 55015:2020 (+A11:2020)  
CEI EN 60598-1:2022  
CEI EN 60598-2-2:2012  
CEI EN 61000-3-2:2019 (+A1:2021)  
CEI EN 61000-3-3:2014 (+EC1:2014/+EC2:2016/+A1:2021/+A2:2022)  
CEI EN 61547:2010  
CEI EN 62031:2021 (+A11:2022)  
CEI EN 62471:2010  
IEC/TR 62471-2:2009  
CEI EN 62493:2015  
CEI 34-141:2014

## Logistics data

Item net weight	230 gr
Barcode single item	8011905016524
Number of pieces multiple pack	10
Minimum order quantity	10
Minimum packaging	10 / 10