



# The new generation of energy saving tube lighting

## MASTER LEDtube InstantFit HF

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. This product is the ideal solution for up lighting in general lighting applications.

### Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to 2-3 times longer lifetime than normal fluorescent tubes
- Fastest and easiest way to upgrade existing luminaire to LED technology; 100%- safe installation process

### Features

- Only 50% energy consumption compared to fluorescent tubes
- Extra-long life of 50,000 hours
- Retrofit to existing T8 lamps on EM ballast installations
- Full safety features and EM Protector safety device
- No mercury

### Application

- Parking lots / covered car parks
- Warehouses / coldrooms / signage
- Transport and distribution areas

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## Dimensional drawing

Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 1200mm SO 16.5W 865 T8 RS	25.68 mm	28 mm	1198.0 mm	1205.0 mm	1212.0 mm
MASTER LEDtube HF 1200mm SO 16.5W 865 T8 RN	25.68 mm	28 mm	1198.0 mm	1205.0 mm	1212.0 mm

### LEDtube HF 1200mm SO 16.5W 865 T8

Approval and Application	
Energy Efficiency Label (EEL)	A+
Controls and Dimming	
Dimmable	no
Operating and Electrical	
Input Frequency	25000-80000
Voltage (Nom)	50-100
Power (Rated) (Nom)	18
Starting Time (Nom)	0.5
General Information	
Cap-Base	G13
Nominal Lifetime (Nom)	50000
Switching Cycle	50000X
Light Technical	
Beam Angle (Nom)	160
Color Rendering Index (Nom)	83
Llmf At End Of Nominal Lifetime (Nom)	70
Luminous Flux (Nom)	2100
Luminous Flux (Rated) (Nom)	2100
Rated Beam Angle	160
Temperature	
T-Ambient (Max)	35
T-Ambient (Min)	-20
T-Case Maximum (Nom)	40
T-Storage (Max)	65
T-Storage (Min)	-40

## Approval and Application

order code	Energy Consumption kWh/1000 h
929001155102	22
929001155202	20

## Light Technical

order code	Correlated Color Temperature (Nom)
929001155102	4000

order code	Correlated Color Temperature (Nom)
929001155202	6500

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## Light Distribution Diagrams

