MASTER LEDbulb

MASTER LED Spot DimTone

MAS LEDbulb DT 15-100W A67 B22 827 FR

The MASTER LEDbulb range delivers a dimmable glow effect for a welcoming, warm atmosphere, making it ideal for general lighting applications in the hospitality industry. Its unique design radiates warm light in all directions, making it a true alternative to the incandescent lamp. They are particularly suitable for public areas such as lobbies, corridors, stairwells, where the light is always on.Compatible with existing fixtures with an E27 holder and designed for retrofit replacement of incandescent bulbs, MASTER LEDbulb delivers huge energy savings and minimizes maintenance cost without any compromise on light quality.They can be used together with most leading-edge dimmers, enabling further efficiencies while helping to create the desired atmosphere.

Product data

• General Information

Cap-Base	B22
Bulb Shape	A67 [A 67mm]
Main Application	Industrial
Nominal Lifetime (Nom)	25000 h
Switching Cycle B50L70	50000X 25000 h

• Light Technical

Color Code	822-827 [tunable warm white]
Luminous Flux (Nom)	1521 lm
Luminous Flux (Rated) (Nom)	1521 lm
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2200-2700 K
Luminous Efficacy (rated) (Nom)	101 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

• Operating and Electrical

Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	15 W
Lamp Current (Nom)	84 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm Up Time To 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.7
Voltage (Nom)	220-240 V

• Temperature

T-Case Maximum (Nom)	105 °C

• Controls and Dimming

Dimmable	Yes

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MASTER LEDbulb

- Approval and Application

Energy Saving Product	Yes
Suitable For Accent Lighting	No
Energy Efficiency Label (EEL)	A+
Energy Consumption kWh/1000 h	15 kWh

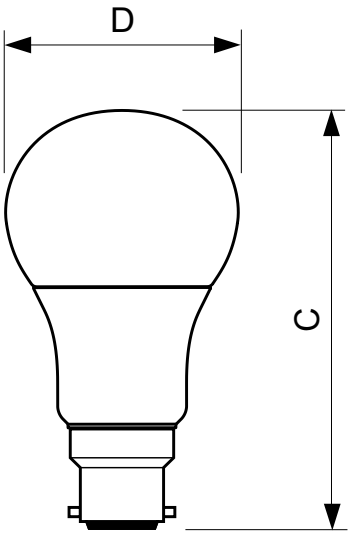
- Product Data

Full product code	871869655557600
Order product name	MAS LEDbulb DT 15-100W A67 B22 827 FR
EAN/UPC - Product	8718696555576
Order code	929001200302
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929001200302
Net Weight (Piece)	0.131 kg

Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

Dimensional drawing



Bulb230V18W-100W 1521lm 300D 2700K B22 D

Product	D	C
MAS LEDbulb DT 15-100W A67 B22 827 FR	70.6 mm	135.9 mm

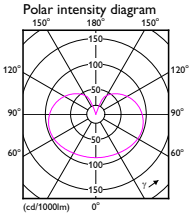
Photometric data

General Uniform Lighting

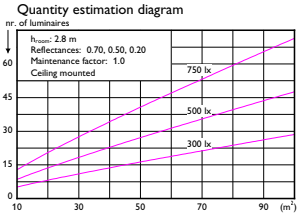
Bulb A21 230V18W-100W 2700K E27 DIM 929001184400

1 x 1521 lm

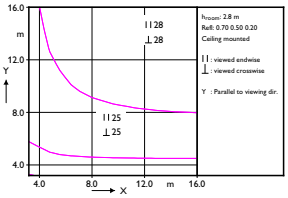
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio	1.00
Service upward	0.41
Service downward	0.59
CIE flux code	24 49 75 59 100
UGRcen (4Hx8H, 0.25H)	26

Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00
	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.35	0.33	0.33	0.32	0.31	0.24	0.21	0.16	0.17	0.14	0.09
0.80	0.44	0.41	0.41	0.40	0.38	0.31	0.26	0.22	0.22	0.18	0.12
1.00	0.51	0.48	0.47	0.46	0.44	0.36	0.31	0.26	0.27	0.23	0.16
1.25	0.59	0.54	0.54	0.52	0.50	0.42	0.37	0.32	0.31	0.27	0.19
1.50	0.65	0.59	0.60	0.57	0.55	0.47	0.41	0.36	0.35	0.31	0.22
2.00	0.74	0.66	0.68	0.65	0.61	0.55	0.47	0.43	0.41	0.37	0.27
2.50	0.80	0.71	0.74	0.70	0.66	0.60	0.52	0.48	0.45	0.41	0.30
3.00	0.85	0.74	0.78	0.74	0.70	0.64	0.56	0.51	0.48	0.44	0.33
4.00	0.92	0.79	0.84	0.79	0.74	0.69	0.61	0.57	0.52	0.49	0.37
5.00	0.96	0.82	0.88	0.82	0.77	0.73	0.64	0.61	0.55	0.53	0.40

Ceiling mounted

Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	14815	14815	14815	14815	14815	14815	14815
50.0	14570	14570	14570	14570	14570	14570	14570
55.0	14425	14425	14425	14425	14425	14425	14425
60.0	14347	14347	14347	14347	14347	14347	14347
65.0	14319	14319	14319	14319	14319	14319	14319
70.0	14337	14337	14337	14337	14337	14337	14337
75.0	14386	14386	14386	14386	14386	14386	14386
80.0	14463	14463	14463	14463	14463	14463	14463
85.0	14579	14579	14579	14579	14579	14579	14579
90.0	14738	14738	14738	14738	14738	14738	14738

(cd/m²)

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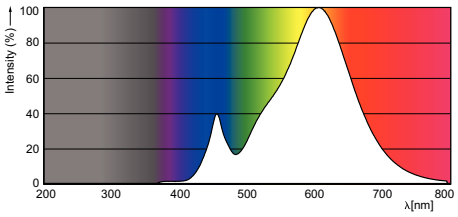

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