



B3 GERMANY
THE MASTERS OF LIGHT



PRODUCT DATA SHEET

High Pressure Sodium Lamps TUBULAR



High pressure sodium lamps by B3 GERMANY stand for highest quality and state-of-the-art in lighting technology. Our high-efficacy lamps have an adequate color rendering to provide good light at low operating costs. And the long life of our lamps translates directly to lower maintenance costs.

Product code	HPST3827- 20070	HPST4640- 20100	HPST4640- 20150	HPST4640- 20250	HPST4640- 20400
Description	HPS T38 E27 2000 K 70 W	HPS T46 E40 2000 K 100 W	HPS T46 E40 2000 K 150 W	HPS T46 E40 2000 K 250 W	HPS T46 E40 2000 K 400 W
INMETRO registration number	000202/2020	000203/2020	000203/2020	000203/2020	000203/2020

PERFORMANCE DATA

Light output (@ 100 h)	6.600 lm	10.000 lm	16.800 lm	32.000 lm	56.000 lm
Luminous efficacy	94 lm/W	100 lm/W	112 lm/W	128 lm/W	140 lm/W
Rated life (@10 h / start)	28.000 h	32.000 h	32.000 h	32.000 h	32.000 h
Correlated color temperature (CCT)	2.000 K	2.000 K	2.000 K	2.000 K	2.000 K
Color rendering index (CRI)	20 Ra	20 Ra	22 Ra	22 Ra	22 Ra
Typical warm up time	5 min	5 min	5 min	5 min	5 min
Typical hot restart time	1-2 min	1-2 min	1-2 min	1-2 min	1-2 min
Operating position	Universal	Universal	Universal	Universal	Universal

PHYSICAL DATA / REQUIREMENTS

Base designation	E27 (Medium)	E40 (Mogul)	E40 (Mogul)	E40 (Mogul)	E40 (Mogul)
Bulb designation	T38	T46	T46	T46	T46
Max. bulb diameter	39 mm	47 mm	47 mm	47 mm	47 mm
Max. overall length (MOL)	156 mm				
Light center length (LCL)	102 ± 5 mm	132 ± 5 mm	132 ± 5 mm	158 ± 5 mm	175 ± 5 mm
Max. base temperature	210 °C	210 °C	210 °C	250 °C	250 °C
Max. bulb temperature	400 °C	400 °C	310 °C	400 °C	400 °C
Luminaire type	Enclosed	Enclosed	Enclosed	Enclosed	Enclosed
Socket pulse rating	5 kV	5 kV	5 kV	5 kV	< 5 kV

ELECTRICAL DATA / REQUIREMENTS

Rated power	70 W	100 W	150 W	250 W	400 W
Operating voltage	90 V	100 V	100 V	100 V	100 V
Operating current	0,98 A	1,20 A	1,80 A	3,0 A	4,6 A
Min. open circuit voltage (RMS)	198 V	198 V	198 V	198 V	198 V



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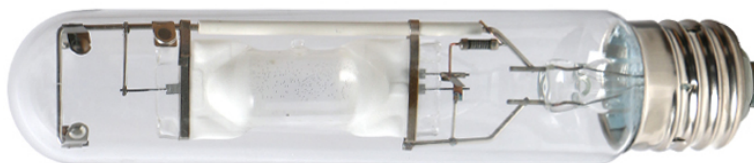


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Product code	HPSE5427- 20070
Description	HPS ED54 E27 2000K 70W
INMETRO registration number	000201/2020
PERFORMANCE DATA	
Light output (@ 100 h)	5.950 lm
Luminous efficacy	85 lm/W
Rated life (@10 h / start)	24.000 h
Correlated color temperature (CCT)	2.000 K
Color rendering index (CRI)	20 Ra
Typical warm up time	5 min
Typical hot restart time	1-2 min
Operating position	Universal
PHYSICAL DATA / REQUIREMENTS	
Base designation	E27 (Medium)
Bulb designation	ED54
Max. bulb diameter	56 mm
Max. overall length (MOL)	141 mm
Light center length (LCL)	88 ± 3 mm
Max. base temperature	210 °C
Max. bulb temperature	400 °C
Luminaire type	Open/Enclosed
Socket pulse rating	5 kV
ELECTRICAL DATA / REQUIREMENTS	
Rated power	70 W
Operating voltage	90 V
Operating current	0,98 A
Min. open circuit voltage (RMS)	198 V



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Metal Halide Lamps TUBULAR

Metal halide lamps by B3 GERMANY stand for highest quality and state-of-the-art in lighting technology. Our high-efficacy lamps have an outstanding color rendering to provide excellent light at low operating costs. And the long life of our lamps translates directly to lower maintenance costs.

Product code	MHT4640-50100	MHT4640-50150	MHT4640-50250	MHT4640-50400
Description	MH T46 E40 5000 K 100 W	MH T46 E40 5000 K 150 W	MH T46 E40 5000 K 250 W	MH T46 E40 5000 K 400 W
PERFORMANCE DATA				
Light output (@ 100 h)	8.000 lm	9.000 lm	18.500 lm	32.000 lm
Luminous efficacy	80 lm/W	60 lm/W	74 lm/W	80 lm/W
Rated life (@10 h / start)	10.000 h	8.000 h	12.000 h	12.000 h
Correlated color temperature (CCT)	5.000 K	5.000 K	5.000 K	5.000 K
Color rendering index (CRI)	60 Ra	60 Ra	70 Ra	70 Ra
Typical warm up time	1-2 min	1-2 min	3-5 min	3-5 min
Typical hot restart time	2-4 min	2-4 min	5-10 min	8-12 min
Operating position	Horiz. ±15°	Horiz. ±15°	Horiz. ±15°	Horiz. ±15°
PHYSICAL DATA / REQUIREMENTS				
Base designation	E40 (Mogul)	E40 (Mogul)	E40 (Mogul)	E40 (Mogul)
Bulb designation	T46	T46	T46	T46
Max. bulb diameter	47 mm	47 mm	47 mm	47 mm
Max. overall length (MOL)	211 mm	211 mm	257 mm	292 mm
Light center length (LCL)	127 ± 3 mm	127 ± 3 mm	148 ± 5 mm	178 ± 5 mm
Max. base temperature	210 °C	250 °C	250 °C	250 °C
Max. bulb temperature	400 °C	400 °C	400 °C	400 °C
Luminaire type	Enclosed	Enclosed	Enclosed	Enclosed
Socket pulse rating	3,5-4,5 kV	3,5-4,5 kV	3,5-4,5 kV	3,5-4,5 kV
ELECTRICAL DATA / REQUIREMENTS				
Rated power	100 W	150 W	250 W	400 W
Operating voltage	100 V	95 V	95 V	100 V
Operating current	1,10 A	1,80 A	3,00 A	4,60 A
Min. open circuit voltage (RMS)	210 V	210 V	198 V	198 V