"Sakae"

MODEL 22HP

● **Wirewound** ● **Bushingmount** ● **Low-cost Item** ● **RoHS Compliant**

● Standard Dimensions
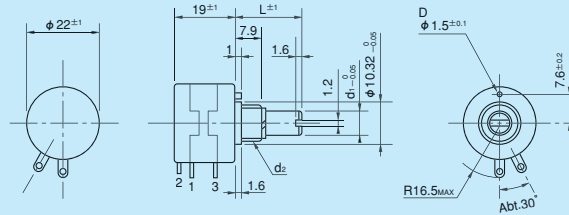
Model 22HP-10

Model No.	Shaft Dimensions		Mounting Screw	Anti-rotation
	d1	L	d2	D
22HP-10	φ6	20.6	3/8-32UNEF	Yes
22HP-10M	φ6	25.0	M9 P=0.75	No
22HP-10E	φ6.35	20.6	3/8-32UNEF	Yes
22HP-10N	φ6	20.6	M9 P=0.75	No

Note: 1. 1 pc. each inner teeth washer and hex nut are attached.
2. Outer dimension of 5-turn version is the same as those of 10-turn.
3. Housing length of 2 ganged version is extended by 19mm.
4. Please process the mounting hole on the panel. The diameter should be 10.32mm$^{+0.05}_{0}$.

● Standard Model Numbers

5-turn models	22HP-5 22HP-5M 22HP-5E 22HP-5N
10-turn models	22HP-10 22HP-10M 22HP-10E 22HP-10N

Note: Please select the exact model number from the right-side table, because each model number has different shaft dia. and bushing dimensions.

● General Specifications

Standard Resistance Range	100Ω to 20kΩ (5-turn)
	100Ω to 50kΩ (10-turn)
Max. Practical Resistance Value	50kΩ (5-turn)
	100kΩ (10-turn)
Total Resistance Tolerance	Standard Class ±5% (J)
	Precision Class ±1% (F)

Independent Linearity Tolerance		5-turn	10-turn
	Standard Class	±0.3%	±0.25%
	Precision Class	±0.2%	±0.1%
	(Within 5kΩ	(±0.25%)	(±0.15%))

Power Rating	1.0W (5-turn) 2.0W (10-turn)
Noise	Within 100Ω E.N.R.
Electrical Travel	360°×n ±5° (n: No. of turns)
Mechanical Travel	360°× n $^{+10°}_{0°}$ (n: No. of turns)
Insulation Resistance	Over 1,000MΩ at 500V.D.C.
Dielectric Strength	1 minute at 1,000V.A.C.

Starting Torque	Within 10mN・m (100gf・cm)
Stopper Strength	Approx. 0.35N・m (3.5kgf・cm)
Appropriate fastening torque of the nut	Within 1.0N・m (10kgf・cm) (In case of panel thickness with over 2.5mm., the rotating torque may become heavier.)
Resistance Temperature Coefficient	±20p.p.m./℃

Materials	Shaft	Stainless steel
	Housing case	Glass-filled nylon
	Busihing	Glass-filled nylon (For ganged version, the bushing is metal-brass without plating.)
	Terminals	Gold-plated brass (All terminals can be fitted with the Tyco 110 series faston receptacle (2.8× 0.5mm) or equivalents.)
Mass		Approx. 20g (Both 5-turn and 10-turn)

● Standard Resistance Values ■ No. of Wire Turns ■ Resistance Wire Used

Resist. Value (Ω)	100	200	500	1k	2k	5k	10k	20k	50k	100k
22HP-5	1,240	1,560	2,000	2,510	2,400	3,200	3,900	4,800	※ 5,500	——
22HP-10	2,100	2,480	3,300	4,000	5,020	5,000	6,400	7,800	10,100	※ 11,000
Resist. Wire Used	Cu-Ni System				Ni-Cr System					

Note: Mark※ shows special high resistance value.

● Special Specifications Available

(In case of the potentiometer with special specifications, the general specifications and environmental specifications may change. Please consult us in advance.)

● Shaft with front and rear extension (Rear shaft with 6mm dia. and 15mm length) ● Multi-ganged (Available up to 10 gangs)

● With high torque ● Special shaft dia. (φ3mm, φ3.175mm, φ4mm, φ5mm) ● Special machining on the shaft

● Metal bushing type (22HPM-n with anti-rotation pin) ● 1, 2, 3, 4, 6, 7 and 8-turn versions are available (These versions have same outer dimensions, but general specifications are please request us for details) ● Simple sealed housing

● Slipping-clutch incorporated type (20mN・m ～ 60mN・m) ● Extra tap (Available up to 1 tap only for 10-turn model)

● Servomount type (Same dimensions as 22HHPS-10)

BULB FOR MC-INT BLADES 1,2,3,4 and MILLER 2,3

Code:	**34325**
Category:	**Standard blades and handles**
Unit of sale:	**1 pc.**
Minimum order:	**6**
Type:	**No medical device**

EAN13: **8023279343250**

Description: **Conventional laryngoscope large bulb 2.7V compatible with the following products:**
Gima, Riester, And, Kawe, Truphatek,
Timesco and most of conventional laryngoscopes in the market, for MAC N°1,2,3,4 and MILLER N°2,3

64650 50 W 22,8 V

Low-voltage halogen lamps without reflector

Areas of application

– Lamps for special luminaires
– Medical fiber optics (HLX)

Product benefits

– Compared to standard lamps up to 10 % higher luminous efficacy (HLX)
– Instant light (HLX)
– Increased energy efficiency due to additional infrared coating on glass bulb (XIR)
– Compared to standard lamps up to 30 % higher luminous efficacy (XIR)

Product features

– Xenon instead of krypton as the filler gas (XENOPHOT HLX versions)
– Luminous flux up to 10 % higher with same power consumption (XENOPHOT HLX versions)
– HLX tungsten halogen low-voltage lamp with or without reflector
– Dimmable (HLX)
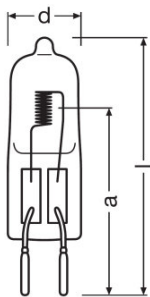– XIR tungsten halogen capsule with xenon gas filling

Product datasheet

Electrical data

Nominal wattage	50.00 W
Nominal voltage	22.8 V

Photometrical data

Color temperature	3100 K
Nominal luminous flux	1150 lm

Dimensions & weight

Diameter	13.0 mm
Length	44.0 mm
Light center length (LCL)	30.0 mm
Filament length	2.00 mm
Illuminated field	2.0*5.0 mm²
Filament diameter	5.0 mm

Lifespan

Lifespan	1200 h

Additional product data

Base (standard designation)	G6.35

Capabilities

Burning position	Any

Certificates & standards

EEI – Energy Label	C

Country specific categorizations

Order reference	64650 50W 22,8V

Product code	METEL code	SEG-No.	STK-Number	UK Org
4008321107138	OSRH64650	-	-	-

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Product datasheet
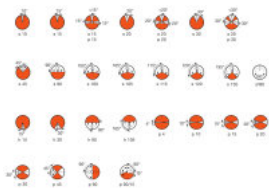
Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321107138	64650 50 W 22,8 V	Folding carton box 1	70 mm x 23 mm x 28 mm	0.05 dm³	4.55 g
4008321107145	64650 50 W 22,8 V	Shipping carton box 40	144 mm x 107 mm x 121 mm	1.86 dm³	248.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

PE300BFA

CERMAX® XENON SHORT-ARC LAMPS

Cermax® Xenon short-arc lamps from Excelitas Technologies are ideal for applications that require a high degree of illumination control.

Key Features

- High-intensity illumination—5000 Lumens
- Power range of 180-320 Watts
- 1000 hours life
- Broad spectral range with 5900° Kelvin color temperature
- Made in the U.S.A.

Applications

- Medical and industrial fiber optic illuminators
- Machine vision
- Infrared and visible spotlights/beacons
- Spectroscopy
- Microscopy
- UV Curing
- Video projection
- Solar simulation
- Wafer inspection

The Cermax® Xenon short-arc lamp from Excelitas Technologies is an innovative lamp design in the specialty lighting industry. Cermax® Xenon lamps were first introduced in the early 1980s and are now used in diagnostic and surgical endoscopes in most major hospitals worldwide, in high-brightness projection display systems, and for a wide variety of high-performance applications.

The Cermax® Xenon lamp, Model PE300BFA, has an integrated parabolic reflector, enabling high-intensity, focused output of visible and infrared radiation. With their internal reflector and rugged ceramic body construction, Cermax® Xenon lamps are the safest and most compact alternative to conventional quartz xenon lamps. This makes them ideal for applications requiring a high degree of illumination control.

Current-regulated or power-regulated power supplies with output ripples of less than 5% are recommended. Single-shot ignition pulses are advised because radio frequency starters may damage the lamp's internal reflector.

In addition to lamps, Excelitas Technologies manufactures Cermax® Xenon short-arc lamp power supplies, lamp holders, OEM lighting systems, and fiber optic light sources.

www.excelitas.com

PE300BFA

CERMAX® XENON SHORT-ARC LAMPS

PE300BFA

Operational Specifications		
Description	**Nominal**	**Range**
Power	300 Watts	180-320 Watts
Current	21 amps (DC)	10-22 amps (DC)
Operating Voltage	14 volts (DC)	13-16 volts (DC)
Ignition Voltage	23-35 kilovolts (system dependent)	
Temperature	150° C (Maximum)	
Lifetime*	1000 hours typical	

* End of life is defined as 50% of initial output

Initial Output at Nominal Power	
F= UV Filtered Output	
Description	**PE300BFA**
Peak Intensity	515×10^3 Candelas
Radiant Output*	50 Watts
UV Output*	2.6 Watts
IR Output*	28.8 Watts
Visible Output*	5000 Lumens
Color Temperature	5900° Kelvin
Peak Instabilities	4%
Beam Geometry**	5°/6°/7°

* These values indicate total output in all directions. Wavelengths = UV<390 nm, IR>770 nm, Visible: 390 nm-770 nm

** Beam Geometry defined as the half angle at 10% PTS after 0/100/1000 hours

Physical Specifications	
Description	**Specification**
Weight	132 grams
Window Diameter	1.0 inch (25.4 mm)
Country of Origin	United States of America

PE300BFA

CERMAX® XENON SHORT-ARC LAMPS

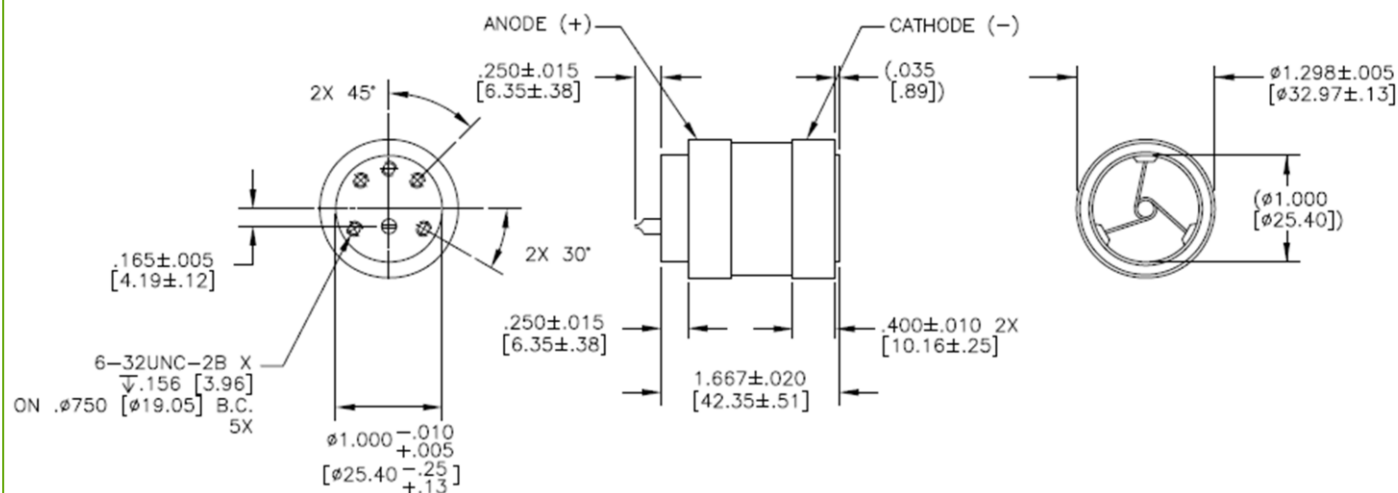| Focused Output with f/1.0 Lens		
Description	Visible Output	Total Output*
3 mm aperture	1410 Lumens	14 Watts
6 mm aperture	3130 Lumens	29 Watts

* Nominal values at 300 watts after 2 hour burn-in.

NOTES:

1. Lamp must not be operated with window facing upwards within 45° of vertical.

2. Seal temperature must not exceed 150° C.

3. Current/power regulated power supplies and Excelitas lamp housing units are recommended.

4. Lamp must be operated within recommended current and power range. Over powering may lead to arc instability, hard starting and premature aging.

5. Hot mirror assembly is available for IR filtering.

6. Cermax® Xenon lamps are much safer lamps to use than their quartz xenon arc lamp equivalents. However, caution must be practiced when operating lamps because they are under high pressure, require high voltage, reach temperatures up to 200° C, and their IR and UV radiation can cause skin burns and eye damage. Please read the Hazard Sheet included with each lamp shipment.
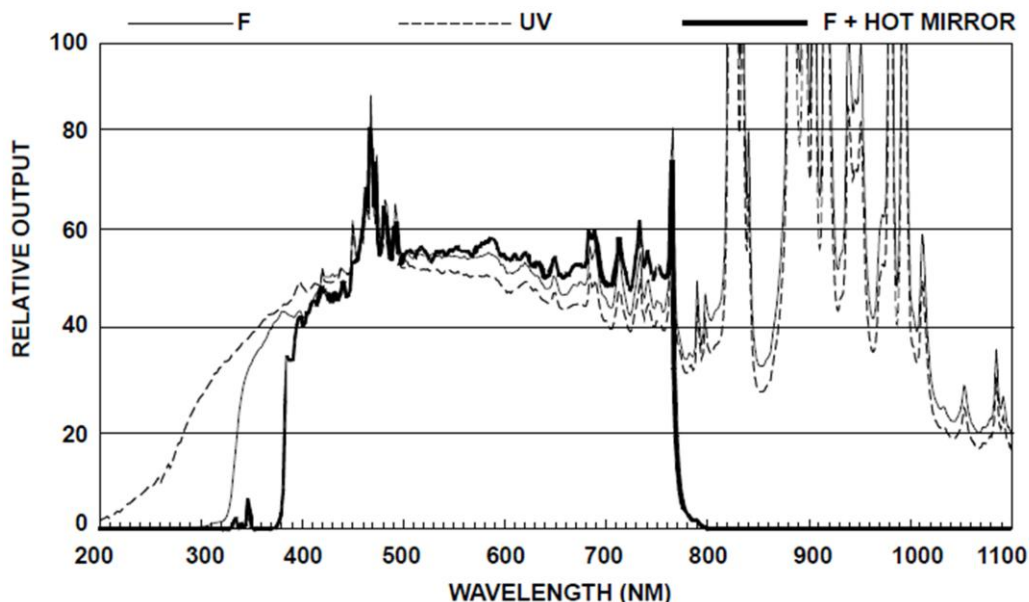
Mechanical Dimensions

Spectral Output

PE300BFA

About Excelitas Technologies

Excelitas Technologies is a global technology leader focused on delivering innovative, customized solutions to meet the lighting, detection and other high-performance technology needs of OEM customers.

From medical lighting to analytical instrumentation, clinical diagnostics, industrial, safety and security, and aerospace and defense applications, Excelitas Technologies is committed to enabling our customers' success in their specialty end-markets. Excelitas Technologies has approximately 3,000 employees in North America, Europe and Asia, serving customers across the world.

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For a complete listing of our global offices, visit www.excelitas.com/locations

www.excelitas.com

EXCELITAS
TECHNOLOGIES

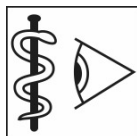**OSRAM**

64634 HLX

Halogen lamps with reflector MR16

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Product features

- – Xenon instead of krypton as the filler gas (XENOPHOT HLX versions)
- – Luminous flux up to 10 % higher with same power consumption (XENOPHOT HLX versions)

Product datasheet

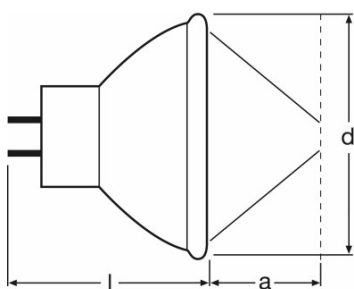## Electrical data

Nominal wattage	150.00 W
Nominal voltage	15.0 V

Light technical data

Focal length	32.0 mm

Dimensions & weight

Diameter	51.0 mm
Length	42.0 mm

Lifespan

Lifespan	50 h

Additional product data

Coating	Dichroic
Base (standard designation)	GZ6.35

Capabilities

Cooling	Forced
Burning position	p90/p15

Certificates & standards

EEI – Energy Label	B

Country specific categorizations

ANSI code	EFR

Product datasheet

LIF	A1/232
Order reference	64634 HLX 150W

Country specific information

Product code	METEL code	SEG-No.	STK number	UK Org
4050300006819	OSRH64634HLX	-	4739416	-

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Product datasheet
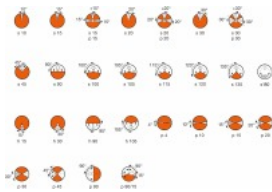
Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300006819	64634 HLX	Folding carton box 1	58 mm x 46 mm x 46 mm	0.12 dm³	35.60 g
4050300946429	64634 HLX	Shipping carton box 20	196 mm x 122 mm x 153 mm	3.66 dm³	788.00 g
4050300939834	64634 HLX	Folding carton box 1	- x - x -		
4050300967356	64634 HLX	Shipping carton box 50	295 mm x 295 mm x 115 mm	10.01 dm³	2040.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

For further technical information please refer to the following OSRAM brochure:
"Technology and applications, Low-voltage tungsten-halogen lamps"
"Halogen lamps, low and medium voltage for entertainment, technical and medical applications" cross reference list

Disclaimer

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OSRAM

64627 HLX
Halogen lamps with reflector MR16

Product features

- Xenon instead of krypton as the filler gas (XENOPHOT HLX versions)
- Luminous flux up to 10 % higher with same power consumption (XENOPHOT HLX versions)
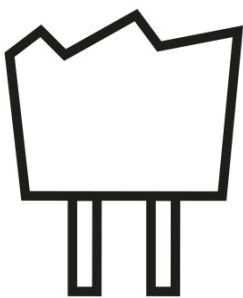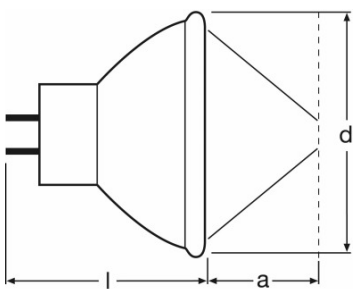

Product datasheet

Electrical data

Nominal wattage	100.00 W
Nominal voltage	12.0 V

Light technical data

Focal length	32.0 mm

Dimensions & weight

Diameter	51.0 mm
Length	42.0 mm

Lifespan

Lifespan	50 h

Additional product data

Coating	Dichroic
Base (standard designation)	GZ6.35

Capabilities

Cooling	Forced
Burning position	p90/p15

Certificates & standards

EEI – Energy Label	B

Country specific categorizations

ANSI code	EFP

Product datasheet

LIF	A1/231
Order reference	64627 HLX 100W

Country specific information

Product code	METEL code	SEG-No.	STK number	UK Org
4050300006802	OSRH64627HLX	-	4736527	-

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Product datasheet
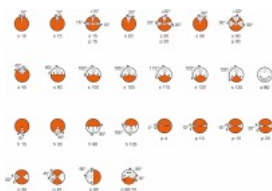
Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321074331	64627 HLX	Folding carton box 1	- x - x -		
4008321074348	64627 HLX	Shipping carton box 20	238 mm x 105 mm x 123 mm	3.07 dm³	774.00 g
4050300006802	64627 HLX	Folding carton box 1	58 mm x 46 mm x 46 mm	0.12 dm³	35.90 g
4050300946436	64627 HLX	Shipping carton box 20	238 mm x 105 mm x 123 mm	3.07 dm³	794.00 g

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References / Links

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"Technology and applications, Low-voltage tungsten-halogen lamps"
"Halogen lamps, low and medium voltage for entertainment, technical and medical applications" cross reference list

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64225 10 W 6 V

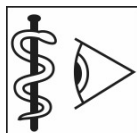## Low-voltage halogen lamps without reflector

Areas of application

- Lamps for special luminaires
- Medical fiber optics (HLX)

Product benefits

- Compared to standard lamps up to 10 % higher luminous efficacy (HLX)
- Instant light (HLX)
- Increased energy efficiency due to additional infrared coating on glass bulb (XIR)
- Compared to standard lamps up to 30 % higher luminous efficacy (XIR)

Product features

- Xenon instead of krypton as the filler gas (XENOPHOT HLX versions)
- Luminous flux up to 10 % higher with same power consumption (XENOPHOT HLX versions)
- HLX tungsten halogen low-voltage lamp with or without reflector
- Dimmable (HLX)
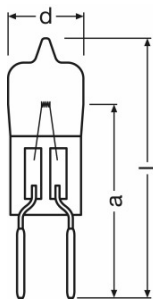- XIR tungsten halogen capsule with xenon gas filling

Product datasheet

Electrical data

Nominal wattage	10.00 W
Nominal voltage	6 V

Photometrical data

Color temperature	3200 K
Nominal luminous flux	200 lm

Dimensions & weight

Diameter	9.5 mm
Length	31.0 mm
Light center length (LCL)	19.5 mm
Filament length	1.70 mm
Illuminated field	1.7*0.65 mm²
Filament diameter	0.7 mm

Lifespan

Lifespan	100 h

Additional product data

Base (standard designation)	G4

Capabilities

Burning position	s90

Certificates & standards

EEI – Energy Label	B

Product datasheet

Country specific categorizations

ANSI code	ESA/FHS
LIF	M/29
Order reference	64225 M/29 10W

Country specific information

Product code	METEL code	SEG-No.	STK-Number	UK Org
4050300006758	OSRH64225	-	-	-

Product datasheet
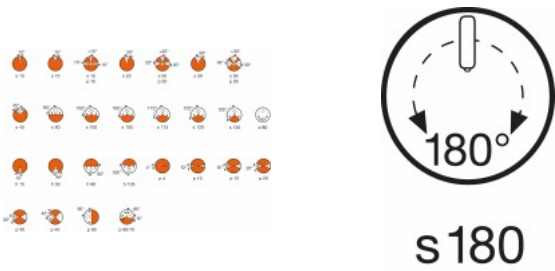
s 180

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300006758	64225 10 W 6 V	Folding carton box 1	70 mm x 24 mm x 27 mm	0.05 dm³	3.50 g
4050300890951	64225 10 W 6 V	Shipping carton box 40	144 mm x 107 mm x 121 mm	1.86 dm³	193.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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Product datasheet

OSRAM

64250 HLX

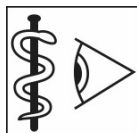### Low-voltage halogen lamps without reflector

Areas of application

- Lamps for special luminaires
- Medical fiber optics (HLX)

Product benefits

- Compared to standard lamps up to 10 % higher luminous efficacy (HLX)
- Instant light (HLX)
- Increased energy efficiency due to additional infrared coating on glass bulb (XIR)
- Compared to standard lamps up to 30 % higher luminous efficacy (XIR)

Product features

- Xenon instead of krypton as the filler gas (XENOPHOT HLX versions)
- Luminous flux up to 10 % higher with same power consumption (XENOPHOT HLX versions)
- HLX tungsten halogen low-voltage lamp with or without reflector
- Dimmable (HLX)
- XIR tungsten halogen capsule with xenon gas filling

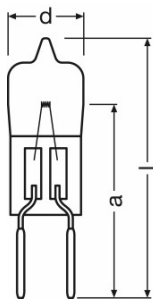# Product datasheet

Electrical data

Nominal wattage	20.00 W
Nominal voltage	6 V

Photometrical data

Color temperature	3350 K
Nominal luminous flux	460 lm

Dimensions & weight

Diameter	9 mm
Length	31.0 mm
Light center length (LCL)	19.4 mm [1]
Filament length	2.30 mm
Illuminated field	2.3*0.8 mm²
Filament diameter	0.8 mm

[1] ±0.3 mm

Lifespan

Lifespan	100 h

Additional product data

Base (standard designation)	G4

Capabilities

Burning position	Any

Certificates & standards

Product datasheet

EEI – Energy Label	B

Country specific categorizations

ANSI code	ESB
LIF	M/30
Order reference	64250 HLX 20W 6

Country specific information

Product code	METEL code	SEG-No.	STK number	UK Org
4050300012407	OSRH64250HLX	-	4739345	-

Product datasheet
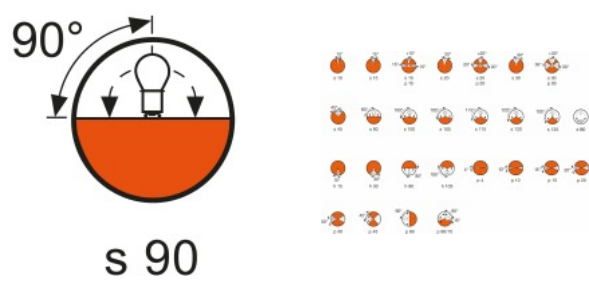
s 90

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300012407	64250 HLX	Folding carton box 1	70 mm x 23 mm x 25 mm	0.04 dm³	3.60 g
4050300890999	64250 HLX	Shipping carton box 40	144 mm x 107 mm x 121 mm	1.86 dm³	190.50 g
4050300940175	64250 HLX	Folding carton box 1	- x - x -		
4008321064394	64250 HLX	Shipping carton box 40	144 mm x 121 mm x 107 mm	1.86 dm³	204.00 g
4050300967257	64250 HLX	Bundle 5	- x - x -		
4050300940182	64250 HLX	Shipping carton box 100	127 mm x 113 mm x 365 mm	5.24 dm³	580.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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OSRAM

Emergency Lighting 8 W/640

Basic T5 Short EL | Tubular fluorescent lamps 16 mm, short, for emergency lighting, with G5 base

Areas of application

- Public buildings
- Industry
- Shops
- Supermarkets and department stores

Product benefits

- Very good luminous flux maintenance throughout the life of the lamp
- Optimized for emergency power operation
- Slim and compact

Product features

- Suitable for emergency power operation

Product datasheet

Electrical data

Nominal wattage	8.00 W
Rated lamp efficacy (HF data 25 °C)	Under clarification by authority and standardization body
Rated lamp efficacy (standard condition)	54 lm/W
Rated wattage	7.10 W
Rated luminous flux	385 lm

Photometrical data

Color rendering index Ra	≥60
Luminous flux at 25 °C	385 lm
Light color	640
Color temperature	4000 K
Nominal luminous flux	385 lm
Light color (designation)	Cold White
Rated LLMF at 2,000 h	0.75
Rated LLMF at 4,000 h	0.69
Rated LLMF at 6,000 h	0.66
Rated LLMF at 8,000 h	0.64

Dimensions & weight
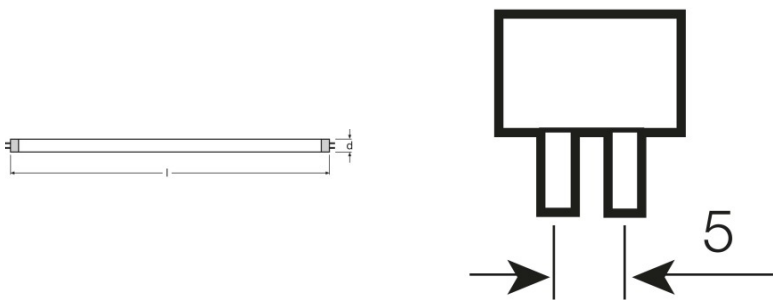
Tube diameter	16 mm
Length	288.3 mm
Length with base excl. base pins/connection	288.00 mm
Diameter	16.0 mm
Maximum diameter	16.0 mm

Product datasheet

Temperatures & operating conditions

Rated ambient temp.w.max.luminous flux	35.0 °C

Lifespan

Lifespan	8000 h [1]
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.95
Rated lamp survival factor at 8,000 h	0.81
Operation mode LLMF/LSF	HF
Rated lamp life time	10000 h
Nominal lamp life time	10000 h

[1] With CCG/LLCG

Additional product data

Base (standard designation)	G5
Lamp mercury content	2.5 mg
Appropriate disposal acc. to WEEE	Yes

Capabilities

Suitable for indoor	Yes

Certificates & standards

Energy efficiency class	A
Energy consumption	8 kWh/1000h

Light Distribution
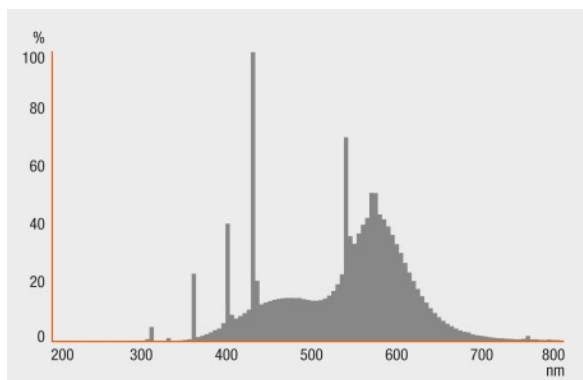
Spectral power distribution

Safety advice

In case of lamp breakage: www.osram.com/brokenlamp

Product datasheet

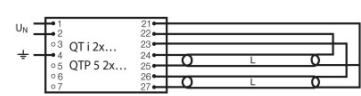
Die Zuleitungen 3 und 4 sollen so kurz wie möglich sein
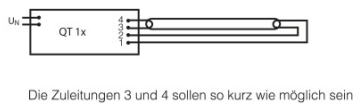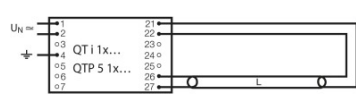
Circuit diagram

Circuit diagram

Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300606644	Emergency Lighting 8 W/640	Shipping carton box 25	320 mm x 116 mm x 105 mm	3.90 dm³	973.10 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.
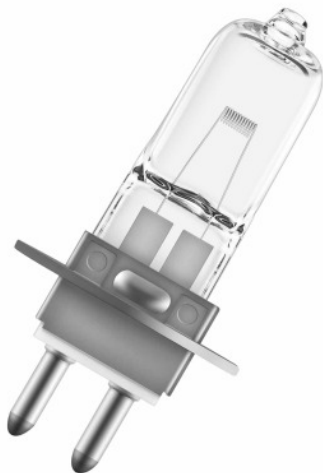
References / Links

For more information on QUICKTRONIC electronic control gear go to
▸ www.osram.com/QUICKTRONIC

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

64251 HLX
Low-voltage halogen lamps without reflector

Areas of application

- Lamps for special luminaires
- Medical fiber optics (HLX)

Product benefits

- Compared to standard lamps up to 10 % higher luminous efficacy (HLX)
- Instant light (HLX)
- Increased energy efficiency due to additional infrared coating on glass bulb (XIR)
- Compared to standard lamps up to 30 % higher luminous efficacy (XIR)

Product features

- Xenon instead of krypton as the filler gas (XENOPHOT HLX versions)
- Luminous flux up to 10 % higher with same power consumption (XENOPHOT HLX versions)
- HLX tungsten halogen low-voltage lamp with or without reflector
- Dimmable (HLX)
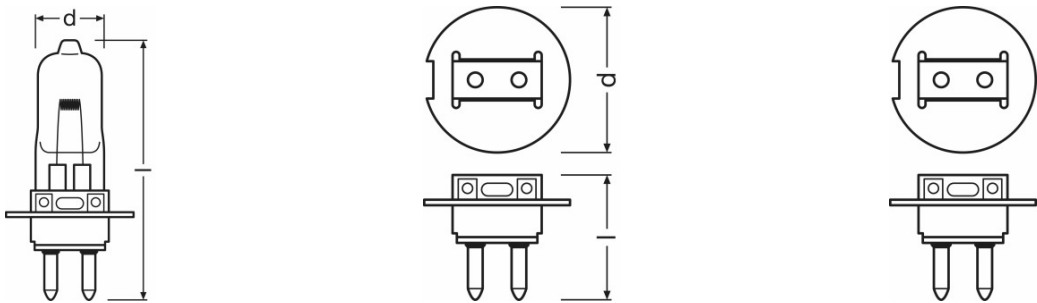- XIR tungsten halogen capsule with xenon gas filling

Product datasheet

Electrical data

Nominal wattage	20.00 W
Nominal voltage	6 V

Photometrical data

Color temperature	3350 K
Nominal luminous flux	460 lm

Dimensions & weight

Diameter	9 mm
Length	40.0 mm
Light center length (LCL)	14.0 mm
Filament length	2.30 mm
Illuminated field	2.3*0.8 mm²
Filament diameter	0.5 mm

Lifespan

Lifespan	100 h

Additional product data

Base (standard designation)	PG22

Capabilities

Burning position	Any

Certificates & standards

EEI – Energy Label	B

Country specific categorizations

Order reference	64251 HLX 20W 6

Country specific information

Product code	METEL code	SEG-No.	STK-Number	UK Org
4050300338316	OSRH64251HLX	-	-	-

Product datasheet
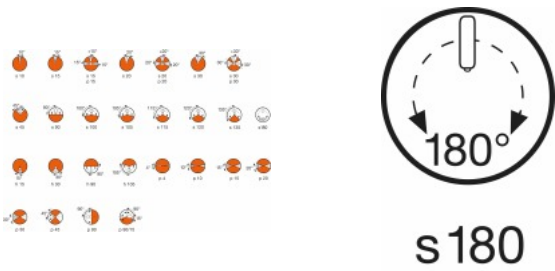
Logistical Data

| Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300338316	64251 HLX	Folding carton box 1	70 mm x 23 mm x 25 mm	0.04 dm³	5.00 g
4050300338330	64251 HLX	Shipping carton box 30	158 mm x 81 mm x 131 mm	1.68 dm³	313.00 g
4050300582290	64251 HLX	Folding carton box 1	70 mm x 23 mm x 25 mm	0.04 dm³	12.00 g
4050300582313	64251 HLX	Shipping carton box 30	158 mm x 81 mm x 131 mm	1.68 dm³	379.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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64260 30 W 12 V

Low-voltage halogen lamps without reflector
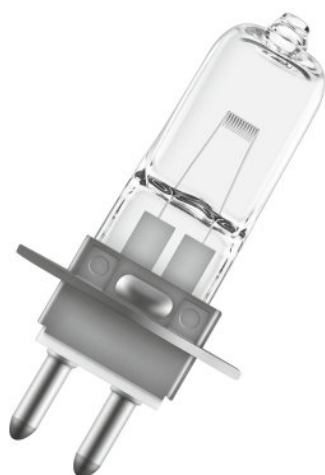
Areas of application

– Lamps for special luminaires
– Medical fiber optics (HLX)

Product family benefits

– Compared to standard lamps up to 10 % higher luminous efficacy (HLX)
– Instant light (HLX)

Product family features

– Xenon instead of krypton as the filler gas (XENOPHOT HLX versions)
– Luminous flux up to 10 % higher with same power consumption (XENOPHOT HLX versions)
– HLX tungsten halogen low-voltage lamp with or without reflector
– Dimmable (HLX)

Technical data

Product information

Order reference	64260 30W 12V P

Electrical data

Nominal voltage	12.0 V
Nominal wattage	30.00 W

Photometrical data

Color temperature	3300 K
Nominal luminous flux	800 lm
Color rendering index Ra	100

Dimensions & weight
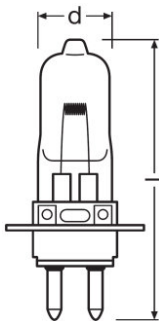
Diameter	9 mm
Length	40.0 mm
Light center length (LCL)	14.0 mm
Filament length	2.60 mm
Illuminated field	2.6*1.3 mm²
Filament diameter	1.3 mm

Lifespan

Lifespan	50 h

Additional product data

Base (standard designation)	PG22
Minimum diameter of lamp enclosure	9 mm

Capabilities

Burning position	Any
Application	Other

Certificates & standards

EEI – Energy Label	B

Country specific categorizations

LIF	M/185
Order reference	64260 30W 12V P

Country specific information

Product code	METEL code	SEG-No.	STK-Number	UK Org
4050300099798	OSRH64260	-	-	-
4050300099798	OSRH64260	-	-	-

—

Product datasheet
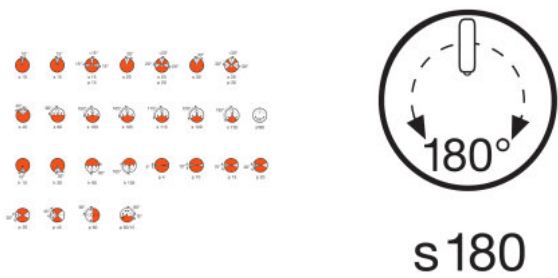
s 180

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300099798	64260 30 W 12 V	Folding carton box 1	25 mm x 23 mm x 70 mm	0.04 dm³	5.00 g
4050300338309	64260 30 W 12 V	Shipping carton box 30	158 mm x 81 mm x 131 mm	1.68 dm³	321.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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