

# PRODUCT FAMILY DATASHEET

## HALOLINE PRO

Double ended halogen lamps with tube base



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### AREAS OF APPLICATION

- General illumination
- Entrance lighting
- Pathway lighting
- Outdoor applications only in suitable luminaires
- Traffic areas
- Shops
- Restaurants, hotels and similar prestigious applications
- Offices, public buildings
- Ideal for emphasizing and accentuating the structure of a room

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### PRODUCT BENEFITS

- Brilliant accent lighting
- Direct replacement for standard tubular halogen lamps
- Significantly lower CO<sub>2</sub> emissions compared to standard version
- Lower thermal output (compared with the standard reference product)
- No transformer required
- Contains no mercury

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### PRODUCT FEATURES

- Average life: 2,000 h
- Dimmable
- Color rendering index R<sub>a</sub>: 100

TECHNICAL DATA

Product description	Electrical data				Photometrical data				Light technical data		Dimensions & weight
	Nominal wattage	Nominal voltage	Rated wattage	Power factor $\lambda$	Color temperature	Color rendering index Ra	Lumen main.fact.at end of nom.life time	Nominal luminous flux	Starting time	Warm-up time (60 %)	Diameter
HALOLINE PRO 48 W 230 V R7S <sup>1)</sup>	48.00 W	230 V	48.00 W	1.00	2900 K	100	0.80	750 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 80 W 230 V R7S <sup>2)</sup>	80.00 W	230 V	80.00 W	1.00	2900 K	100	0.80	1400 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 120 W 230 V R7S <sup>2)</sup>	120.00 W	230 V	120.00 W	1.00	2900 K	100	0.80	2250 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 120 W 230 V R7S <sup>1)</sup>	120.00 W	230 V	120.00 W	1.00	2900 K	100	0.80	2220 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 160 W 230 V R7S <sup>1)</sup>	160.00 W	230 V	160.00 W	1.00	2900 K	100	0.80	3100 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 230 W 230 V R7S <sup>2)</sup>	230.00 W	230 V	230.00 W	1.00	2900 K	100	0.80	5000 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 400 W 230 V R7S <sup>2)</sup>	400.00 W	230 V	400.00 W	1.00	2900 K	100	0.80	8750 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 48 W 240 V R7S <sup>1)</sup>	48.00 W	240 V	48.00 W	1.00	2900 K	100	0.80	750 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 80 W 240 V R7S <sup>2)</sup>	80.00 W	240 V	80.00 W	1.00	2900 K	100	0.80	1400 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 120 W 240 V R7S <sup>2)</sup>	120.00 W	240 V	120.00 W	1.00	2900 K	100	0.80	2250 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 120 W 240 V R7S <sup>1)</sup>	120.00 W	240 V	120.00 W	1.00	2900 K	100	0.80	2220 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 160 W 240 V R7S <sup>1)</sup>	160.00 W	240 V	160.00 W	1.00	2900 K	100	0.80	3100 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 230 W 240 V R7S <sup>2)</sup>	230.00 W	240 V	230.00 W	1.00	2900 K	100	0.80	5000 lm	0.0 s	0.00 s	12.0 mm
HALOLINE PRO 400 W 240 V R7S <sup>2)</sup>	400.00 W	240 V	400.00 W	1.00	2900 K	100	0.80	8750 lm	0.0 s	0.00 s	12.0 mm

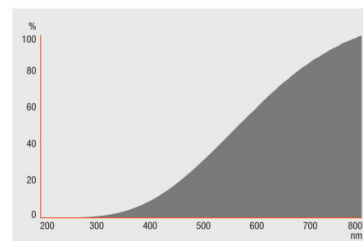
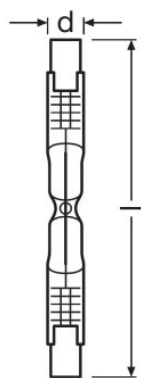
Product description	Overall length	Lifespan			Additional product data			Capabilities	
		Nominal lamp life time	Rated lamp life time	Number of switching cycles	Base (standard designation)	Mercury content	Mercury-free	Burning position	Dimmable
HALOLINE PRO 48 W 230 V R7S <sup>1)</sup>	74.9 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 80 W 230 V R7S <sup>2)</sup>	80.3 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 120 W 230 V R7S <sup>2)</sup>	74.9 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 120 W 230 V R7S <sup>1)</sup>	114.2 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 160 W 230 V R7S <sup>1)</sup>	114.2 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 230 W 230 V R7S <sup>2)</sup>	114.2 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 400 W 230 V R7S <sup>2)</sup>	114.2 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 48 W 240 V R7S <sup>1)</sup>	74.9 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes

Product description	Overall length	Lifespan			Additional product data			Capabilities	
		Nominal lamp life time	Rated lamp life time	Number of switching cycles	Base (standard designation)	Mercury content	Mercury-free	Burning position	Dimmable
HALOLINE PRO 80 W 240 V R7S <sup>2)</sup>	74.9 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 120 W 240 V R7S <sup>2)</sup>	74.9 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 120 W 240 V R7S <sup>1)</sup>	114.2 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 160 W 240 V R7S <sup>1)</sup>	114.2 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 230 W 240 V R7S <sup>2)</sup>	114.2 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes
HALOLINE PRO 400 W 240 V R7S <sup>2)</sup>	114.2 mm	2000 h	2000 h	50000	R7s	0.0 mg	Yes	Any	Yes

Product description	Certificates & standards		Country-specific categorizations
	Energy efficiency class	Energy consumption	ILCOS
HALOLINE PRO 48 W 230 V R7S <sup>1)</sup>	D	48 kWh/1000h	HDG-48-230-R7s-74,9
HALOLINE PRO 80 W 230 V R7S <sup>2)</sup>	D	80 kWh/1000h	HDG-80-230-R7s-74,9
HALOLINE PRO 120 W 230 V R7S <sup>2)</sup>	C	120 kWh/1000h	HDG-120-230-R7s-74,9
HALOLINE PRO 120 W 230 V R7S <sup>1)</sup>	D	120 kWh/1000h	HDG-120-230-R7s-114,2
HALOLINE PRO 160 W 230 V R7S <sup>1)</sup>	C	160 kWh/1000h	HDG-160-230-R7s-114,2
HALOLINE PRO 230 W 230 V R7S <sup>2)</sup>	C	230 kWh/1000h	HDG-230-230-R7s-114,2
HALOLINE PRO 400 W 230 V R7S <sup>2)</sup>	C	400 kWh/1000h	HDG-400-230-R7s-114,2
HALOLINE PRO 48 W 240 V R7S <sup>1)</sup>	D	48 kWh/1000h	HDG-48-240-R7s-74,9
HALOLINE PRO 80 W 240 V R7S <sup>2)</sup>	D	80 kWh/1000h	HDG-80-240-R7s-74,9
HALOLINE PRO 120 W 240 V R7S <sup>2)</sup>	D	120 kWh/1000h	HDG-120-240-R7s-74,9
HALOLINE PRO 120 W 240 V R7S <sup>1)</sup>	D	120 kWh/1000h	HDG-120-240-R7s-114,2
HALOLINE PRO 160 W 240 V R7S <sup>1)</sup>	C	160 kWh/1000h	HDG-160-240-R7s-114,2
HALOLINE PRO 230 W 240 V R7S <sup>2)</sup>	C	230 kWh/1000h	HDG-230-240-R7s-114,2
HALOLINE PRO 400 W 240 V R7S <sup>2)</sup>	C	400 kWh/1000h	HDG-400-240-R7s-114,2

<sup>1)</sup> Fuse protection with indicated values recommended acc. to IEC60357, EN60357/For outdoor applications and operation in damp locations special approved fixtures are required/Technical and light values are subject to be changed

<sup>2)</sup> Fuse protection with indicated values recommended acc. to IEC60357, EN60357/For outdoor applications and operation in damp locations special approved fixtures are required



HALOLINE PRO 48 W 230 V R7S

HALOLINE PRO 80 W 230 V R7S,  
 HALOLINE PRO 120 W 230 V R7S,  
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 HALOLINE PRO 160 W 230 V R7S,  
 HALOLINE PRO 230 W 230 V R7S,  
 HALOLINE PRO 400 W 230 V R7S,  
 HALOLINE PRO 48 W 240 V R7S,  
 HALOLINE PRO 80 W 240 V R7S,  
 HALOLINE PRO 120 W 240 V R7S,  
 HALOLINE PRO 120 W 240 V R7S,  
 HALOLINE PRO 160 W 240 V R7S,  
 HALOLINE PRO 230 W 240 V R7S,  
 HALOLINE PRO 400 W 240 V R7S

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 HALOLINE PRO 160 W 230 V R7S,  
 HALOLINE PRO 230 W 230 V R7S,  
 HALOLINE PRO 400 W 230 V R7S,  
 HALOLINE PRO 48 W 240 V R7S,  
 HALOLINE PRO 80 W 240 V R7S,  
 HALOLINE PRO 120 W 240 V R7S,  
 HALOLINE PRO 120 W 240 V R7S,  
 HALOLINE PRO 160 W 240 V R7S,  
 HALOLINE PRO 230 W 240 V R7S,  
 HALOLINE PRO 400 W 240 V R7S

**APPLICATION ADVICE**

For more detailed application information and graphics please see product datasheet.

**LOGISTICAL DATA**

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321977595	HALOLINE PRO 48 W 230 V R7S	Shipping carton box 20	92 mm x 77 mm x 113 mm	0.80 dm <sup>3</sup>	197.00 g
4008321928078	HALOLINE PRO 80 W 230 V R7S	Shipping carton box 20	112 mm x 77 mm x 92 mm	0.79 dm <sup>3</sup>	209.00 g
4008321928092	HALOLINE PRO 120 W 230 V R7S	Shipping carton box 20	93 mm x 77 mm x 113 mm	0.81 dm <sup>3</sup>	207.00 g
4008321977670	HALOLINE PRO 120 W 230 V R7S	Shipping carton box 20	137 mm x 77 mm x 112 mm	1.18 dm <sup>3</sup>	301.00 g
4008321977755	HALOLINE PRO 160 W 230 V R7S	Shipping carton box 20	137 mm x 77 mm x 112 mm	1.18 dm <sup>3</sup>	310.00 g
4008321207692	HALOLINE PRO 230 W 230 V R7S	Shipping carton box 20	149 mm x 79 mm x 113 mm	1.33 dm <sup>3</sup>	317.75 g
4008321207715	HALOLINE PRO 400 W 230 V R7S	Shipping carton box 20	149 mm x 78 mm x 113 mm	1.31 dm <sup>3</sup>	328.00 g
4008321977632	HALOLINE PRO 48 W 240 V R7S	Shipping carton box 20	92 mm x 77 mm x 111 mm	0.79 dm <sup>3</sup>	197.00 g
4008321325396	HALOLINE PRO 80 W 240 V R7S	Shipping carton box 20	112 mm x 77 mm x 102 mm	0.88 dm <sup>3</sup>	209.00 g
4008321325419	HALOLINE PRO 120 W 240 V R7S	Shipping carton box 20	112 mm x 77 mm x 92 mm	0.79 dm <sup>3</sup>	207.00 g
4008321977717	HALOLINE PRO 120 W 240 V R7S	Shipping carton box 20	137 mm x 77 mm x 112 mm	1.18 dm <sup>3</sup>	306.00 g
4008321977793	HALOLINE PRO 160 W 240 V R7S	Shipping carton box 20	137 mm x 112 mm x 77 mm	1.18 dm <sup>3</sup>	272.00 g
4008321275622	HALOLINE PRO 230 W 240 V R7S	Shipping carton box 20	137 mm x 77 mm x 112 mm	1.18 dm <sup>3</sup>	342.00 g
4008321275646	HALOLINE PRO 400 W 240 V R7S	Shipping carton box 20	137 mm x 77 mm x 112 mm	1.18 dm <sup>3</sup>	342.00 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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**DISCLAIMER**

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