

HALOLINE ECO

Double ended halogen lamps with tube base



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

Product benefits

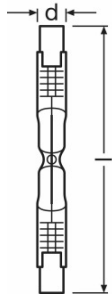
- Brilliant ECO accent lighting
- Direct replacement for standard tubular halogen lamps
- Significantly lower CO₂ emissions
- Lower thermal output (compared with the standard reference product)
- No transformer required
- Contains no mercury

Product features

- Average life: 2,000 h
- Dimmable
- Color rendering index R_a: 100



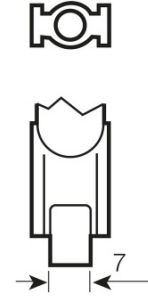
Product family datasheet



Product line drawing



Product line drawing



Base

Product family datasheet

Technical data

Product description	Nominal wattage	Nominal voltage	Nominal luminous flux	Base (standard designation)	Diameter	Overall length
HALOLINE ECO 48 W 230 V R7S ¹⁾	48 W	230 V	750 lm	R7s	12.0 mm	74.9 mm
HALOLINE ECO 80 W 230 V R7S ²⁾	80 W	230 V	1400 lm	R7s	12.0 mm	74.9 mm
HALOLINE ECO 120 W 230 V R7S ²⁾	120 W	230 V	2250 lm	R7s	12.0 mm	74.9 mm
HALOLINE ECO 120 W 230 V R7S ¹⁾	120 W	230 V	2250 lm	R7s	12.0 mm	114.2 mm
HALOLINE ECO 230 W 230 V R7S ²⁾	230 W	230 V	5000 lm	R7s	12.0 mm	114.2 mm
HALOLINE ECO 400 W 230 V R7S ²⁾	400 W	230 V	9000 lm	R7s	12.0 mm	114.2 mm
HALOLINE ECO 80 W 240 V R7S ²⁾	80 W	240 V	1400 lm	R7s	12.0 mm	74.9 mm
HALOLINE ECO 120 W 240 V R7S ²⁾	120 W	240 V	2250 lm	R7s	12.0 mm	80.3 mm
HALOLINE ECO 120 W 240 V R7S ¹⁾	120 W	240 V	2250 lm	R7s	12.0 mm	114.2 mm
HALOLINE ECO 160 W 240 V R7S ¹⁾	160 W	240 V	3100 lm	R7s	12.0 mm	114.2 mm
HALOLINE ECO 230 W 240 V R7S ²⁾	230 W	240 V	5000 lm	R7s	12.0 mm	114.2 mm
HALOLINE ECO 400 W 240 V R7S ²⁾	400 W	240 V	9000 lm	R7s	12.0 mm	114.2 mm

Product family datasheet

Product description	Color temperature	Fuse, quick-acting	Burning position	Rated luminous flux	Rated wattage	Claimed equiv. conventional lamp power
HALOLINE ECO 48 W 230 V R7S ¹⁾	2800 K	2.0 A	Any	750 lm	48.00 W	60 W
HALOLINE ECO 80 W 230 V R7S ²⁾	2950 K	2.0 A	Any	1400 lm	80.00 W	100 W
HALOLINE ECO 120 W 230 V R7S ²⁾	2950 K	2.0 A	Any	2250 lm	120.00 W	150 W
HALOLINE ECO 120 W 230 V R7S ¹⁾	2900 K	2.0 A	Any	2250 lm	120.00 W	150 W
HALOLINE ECO 230 W 230 V R7S ²⁾	2950 K	2.0 A	Any	5000 lm	230.00 W	300 W
HALOLINE ECO 400 W 230 V R7S ²⁾	3000 K	2.0 A	Any	9000 lm	400.00 W	500 W
HALOLINE ECO 80 W 240 V R7S ²⁾	2950 K	2.0 A	Any	1400 lm	80.00 W	100 W
HALOLINE ECO 120 W 240 V R7S ²⁾	2950 K	2.0 A	Any	2250 lm	120.00 W	150 W
HALOLINE ECO 120 W 240 V R7S ¹⁾	2900 K	2.0 A	Any	2250 lm	120.00 W	150 W
HALOLINE ECO 160 W 240 V R7S ¹⁾	2900 K	2.0 A	Any	3100 lm	160.00 W	200 W
HALOLINE ECO 230 W 240 V R7S ²⁾	2950 K	2.0 A	Any	5000 lm	230.00 W	300 W
HALOLINE ECO 400 W 240 V R7S ²⁾	2950 K	2.0 A	Any	9000 lm	400.00 W	500 W

Product family datasheet

Product description	Nominal lamp life time	Rated lamp life time	Color rendering index Ra	Starting time	Warm-up time (60 %)	Number of switching cycles
HALOLINE ECO 48 W 230 V R7S ¹⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 80 W 230 V R7S ²⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 120 W 230 V R7S ²⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 120 W 230 V R7S ¹⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 230 W 230 V R7S ²⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 400 W 230 V R7S ²⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 80 W 240 V R7S ²⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 120 W 240 V R7S ²⁾	1000 h	1000 h	100	0.0 s	0.00 s	25000 ³⁾
HALOLINE ECO 120 W 240 V R7S ¹⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 160 W 240 V R7S ¹⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 230 W 240 V R7S ²⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾
HALOLINE ECO 400 W 240 V R7S ²⁾	2000 h	2000 h	100	0.0 s	0.00 s	50000 ³⁾

Product family datasheet

Product description	Lamp mercury content	Power factor λ	Dimmable	Energy efficiency class	ILCOS	Lumen main.fact.at end of nom.life time
HALOLINE ECO 48 W 230 V R7S ¹⁾	0.0 mg	1.00	Yes	C	HDG-48-230-R7s-74,9	0.80
HALOLINE ECO 80 W 230 V R7S ²⁾	0.0 mg		Yes	D	HDG-80-230-R7s-74,9	0.80
HALOLINE ECO 120 W 230 V R7S ²⁾	0.0 mg	1.00	Yes	C	HDG-120-230-R7s-74,9	0.80
HALOLINE ECO 120 W 230 V R7S ¹⁾	0.0 mg	1.00	Yes	D	HDG-120-230-R7s-114,2	0.80
HALOLINE ECO 230 W 230 V R7S ²⁾	0.0 mg	1.00	Yes	C	HDG-230-230-R7s-114,2	0.80
HALOLINE ECO 400 W 230 V R7S ²⁾	0.0 mg	1.00	Yes	C	HDG-400-230-R7s-114,2	0.80
HALOLINE ECO 80 W 240 V R7S ²⁾	N/A mg		Yes	D	HDG-80-240-R7s-74,9	0.80
HALOLINE ECO 120 W 240 V R7S ²⁾	0.0 mg	1.00	Yes	D	HDG-120-240-R7s-74,9	0.80
HALOLINE ECO 120 W 240 V R7S ¹⁾	0.0 mg	1.00	Yes	D	HDG-120-240-R7s-114,2	0.80
HALOLINE ECO 160 W 240 V R7S ¹⁾	0.0 mg	1.00	Yes	C	HDG-160-240-R7s-114,2	0.80
HALOLINE ECO 230 W 240 V R7S ²⁾	0.0 mg	1.00	Yes	C	HDG-230-240-R7s-114,2	0.80
HALOLINE ECO 400 W 240 V R7S ²⁾	0.0 mg	1.00	Yes	C	HDG-400-240-R7s-114,2	0.80

Product family datasheet

Product description	Mercury-free
HALOLINE ECO 48 W 230 V R7S ¹⁾	Yes
HALOLINE ECO 80 W 230 V R7S ²⁾	Yes
HALOLINE ECO 120 W 230 V R7S ²⁾	Yes
HALOLINE ECO 120 W 230 V R7S ¹⁾	Yes
HALOLINE ECO 230 W 230 V R7S ²⁾	Yes
HALOLINE ECO 400 W 230 V R7S ²⁾	Yes
HALOLINE ECO 80 W 240 V R7S ²⁾	Yes
HALOLINE ECO 120 W 240 V R7S ²⁾	Yes
HALOLINE ECO 120 W 240 V R7S ¹⁾	Yes
HALOLINE ECO 160 W 240 V R7S ¹⁾	Yes
HALOLINE ECO 230 W 240 V R7S ²⁾	Yes
HALOLINE ECO 400 W 240 V R7S ²⁾	Yes

Product family datasheet

- 1) 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
- 2) Fuse protection with indicated values recommended acc. to IEC60357, EN60357/For outdoor applications and operation in damp locations special approved fixtures are required
- 3) At 1 min on / 3 min off

Product family datasheet

Application advice

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

Disclaimer

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