



Product description

MH-NaSc

Sodium Scandium Metal Halide Lamps consisting of a gasfilled glass bulb, which alternatively are clear or internal coated, and a quartz discharge tube (DT).

Benefits

- Energy saving solution with better color appearance and rendering property for conventional version.

Features

- Quartz discharge tube containing high-pressure mercury and a mixture of sodium and scandium halides, which contribute to multi-line spectra; with ar to aid ignition.
- Better colour-rendering index, around 60
- Luminous efficacy, up to 90 lm/W
- Universal operation position permitted

Application

- Stadium and sports facilities lighting
- Industrial and commercial lighting—factory
- supermarket and exhibition hall etc.
- Public lighting—square, station, port, airport etc.
- Decorative flood lighting—monument, buildings e.g.
- hotel

Controls and Dimming	
Dimmable	No
Operating and Electrical	
Power (Rated) (Min)	- W
General Information	
Operating Position	H
System Description	-
Light Technical	
Colour Code	640
Colour Designation	Cool White (CW)
Mechanical and Housing	
Bulb Finish	Clear

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928480300097	MH - 250W/640 E40 CL U 1SL/12	275 kWh	33 mg
928480400097	MH 400W/640 E40 CL U 1SL/6	440 kWh	38 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928484600092	MH 150W/640 E27 CL 1SL/24	165 kWh	11 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Max)	Power (Rated) (Nom)
928480300097	MH - 250W/640 E40 CL U 1SL/12	2.1 A	148 V	118 V	133 V	- W	250.0 W
928480400097	MH 400W/640 E40 CL U 1SL/6	3.25 A	150 V	120 V	135 V	440.0 W	400.0 W
928484600092	MH 150W/640 E27 CL 1SL/24	1.8 A	105 V	85 V	95 V	- W	153 W

General Information

Order Code	Full Product Name	Cap-Base	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)
928480300097	MH - 250W/640 E40 CL U 1SL/12	E40	-	10000 h	-
928480400097	MH 400W/640 E40 CL U 1SL/6	E40	-	20000 h	-

Order Code	Full Product Name	Cap-Base	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)
928484600092	MH 150W/640 E27 CL 1SL/24	E27	5000 h	10000 h	2000 h

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928480300097	MH - 250W/640 E40 CL U 1SL/12	400 °C
928480400097	MH 400W/640 E40 CL U 1SL/6	400 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928484600092	MH 150W/640 E27 CL 1SL/24	450 °C

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)
928480300097	MH - 250W/640 E40 CL U 1SL/12	390	390	4000 K	60	80 %	-	82 lm/W
928480400097	MH 400W/640 E40 CL U 1SL/6	390	400	3900 K	60	85 %	-	97.5 lm/W
928484600092	MH 150W/640 E27 CL 1SL/24	385	390	4000 K	65	75 %	60 %	95 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928480300097	MH - 250W/640 E40 CL U 1SL/12	17450 lm	20500 lm	928484600092	MH 150W/640 E27 CL 1SL/24	13050 lm	14500 lm
928480400097	MH 400W/640 E40 CL U 1SL/6	34000 lm	39000 lm				

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
928480300097	MH - 250W/640 E40 CL U 1SL/12	ED90	928484600092	MH 150W/640 E27 CL 1SL/24	ED55
928480400097	MH 400W/640 E40 CL U 1SL/6	ED120			

