



# Product description

## MH-Sc

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-lines spectra; with Ar to aid ignition.
- Better colour rendering index around 60
- Luminous efficacy up to 90 lm/W
- Low wattage lamps with extra quartz tube around DT to prevent the risk of outer bulb shattering when abnormal operated or to the end of life.
- 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) (Max)	- W
Power (Rated) (Min)	- W
General Information	
Cap-Base	E27
Life To 20% Failures (Nom)	5000 h
Life To 50% Failures (Nom)	10000 h
Life To 5% Failures (Nom)	2000 h
Operating Position	H
System Description	na
Luminaire Design Requirements	
Bulb Temperature (Max)	450 °C
Light Technical	
Colour Code	640
Colour Designation	Cool White (CW)
Lumen Maintenance 2000 h (Nom)	75 %
Lumen Maintenance 5000 h (Nom)	60 %
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	ED55

Approval and Application

Order Code	Full Product Name	Energy Consumption	Energy Efficiency	Mercury (Hg)
		kWh/1000 h	Label (EEL)	Content (Nom)
928484400092	MH 70W/640 E27 CL 1SL/24	-	-	12 mg
928484500092	MH 100W/640 E27 CL 1SL/24	110 kWh	A+	10.2 mg
928484600092	MH 150W/640 E27 CL 1SL/24	165 kWh	-	11 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928484400092	MH 70W/640 E27 CL 1SL/24	0.98 A	100 V	75 V	85 V
928484500092	MH 100W/640 E27 CL 1SL/24	1.1 A	110 V	90 V	100 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928484600092	MH 150W/640 E27 CL 1SL/24	1.8 A	105 V	85 V	95 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928484400092	MH 70W/640 E27 CL 1SL/24	76 W
928484500092	MH 100W/640 E27 CL 1SL/24	105 W

Order Code	Full Product Name	Power (Rated) (Nom)
928484600092	MH 150W/640 E27 CL 1SL/24	153 W

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)
928484400092	MH 70W/640	390	380	4000 K	60

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
	E27 CL 1SL/24				

				Correlated	Colour
	Full	Chromaticity	Chromaticity	Colour	Rendering
Order Code	Product Name	Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	Index (Nom)
928484500092	MH 100W/640 E27 CL 1SL/24	375	385	4200 K	65
928484600092	MH 150W/640	385	390	4000 K	65

				Correlated	Colour
	Full	Chromaticity	Chromaticity	Colour	Rendering
Order Code	Product Name	Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	Index (Nom)
	E27 CL 1SL/24				

## Light Technical (2/2)

		Luminous		
		Efficacy (rated)	Luminous Flux	Luminous Flux
Order Code	Full Product Name	(Nom)	(Rated) (Min)	(Rated) (Nom)
928484400092	MH 70W/640 E27 CL 1SL/24	74 lm/W	4200 lm	5600 lm
928484500092	MH 100W/640 E27 CL 1SL/24	92 lm/W	8730 lm	9700 lm

		Luminous		
		Efficacy (rated)	Luminous Flux	Luminous Flux
Order Code	Full Product Name	(Nom)	(Rated) (Min)	(Rated) (Nom)
928484600092	MH 150W/640 E27 CL 1SL/24	95 lm/W	13050 lm	14500 lm

