

Specifications - Imager

Physical

Length	726 mm (28.6 in.)
Width	242 mm (9.5 in.)
Weight (Imager 04 DMX Gobo Wheel)	9.9 kg (21.8 lbs)
Weight (Imager 01 DMX Gobo)	9.7 kg (21.4 lbs)

Installation

Mounting device	Imager J-Box
Orientation	Ceiling mount

Minimum distance to combustible materials	1 m (39 in)
Minimum distance to illuminated surfaces	0.5 m (20 in)

Construction

Imager housing	Aluminum and plastic
----------------	----------------------

Thermal

Maximum ambient temperature (Ta)	40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C	100° C (212° F)

Source

Lamp	250 W discharge
Approved models	Philips MSD 250
	Philips MSD 250/2
	Osram HSD 250/78
	Osram HSD 250/60
	Osram HSD 250/80

Power supply

Power source	Imager Base via Imager J-Box
PCB fuses	3.15 AT, 2 AT

Dynamic effects

Dimmer
Gobo rotation, continuous or to indexed position
Pan and tilt (with optional moving-mirror)
Focus

Gobos

Size	D
Outside diameter	53.3 mm (2.10 in.)
Maximum image diameter	40 mm (1.57 in.)
Maximum thickness	2 mm
Material	metal or glass

Photometrics

Standard beam angle	23°, focal length = 100 mm (3.9 in.)
Optional beam angle	15° lens, focal length = 150 mm (5.9 in.)
Optional beam angle	32° lens, focal length = 70 mm (2.75 in.)

Size of a projected image using a gobo of a given size:

$$\text{projected image size} = \frac{\text{gobo image size} \times \text{projected distance}}{\text{focal length}}$$

Gobo image size required to achieve a projected image size:

$$\text{gobo image size} = \frac{\text{projected size} \times \text{focal length}}{\text{projected distance}}$$

Control & Programming

Control options	DMX-512, stand-alone, synchronous operation
Receiver	RS-485
Setting and addressing	3-digit LCD control panel
Firmware update	Serial upload (.MU3)
Data input	RJ-45
Data output	RJ-45
DMX channels	9 or 12

Ordering information

Imager, Base	P/N 90721000
Imager 04 DMX Gobo Wheel	P/N 90540000
Imager 01 DMX Gobo	P/N 90540100
Moving-mirror for Imager	P/N 91611069

Included items

User manual
Osram HSD 250/80
Beacon gobo (installed)
RJ-45 terminator (installed in J-Box)
J-Box
4 rubber cable-glands for J-Box

Accessories

Martin infrared remote control transmitter.	P/N 90760010
Martin infrared remote control receiver	P/N 91611047
MP-2 uploader.	P/N 90758420
MC-X Controller, 220-245V/50Hz	P/N 90718200
MC-X Controller, 110-120V/60Hz	P/N 90718300
15 degree lens	P/N 91611074
32 degree lens.	P/N 91611075
Slide projection kit (with heat filter)	P/N 91611076
Remote control upgrade kit	P/N 91614008
Air filters	P/N 91611079
Color filter - Lilac 503	P/N 46402000
Color filter - Light Blue 102.	P/N 46402001
Color filter - Green 208 IAD	P/N 46402002
Color filter - Green 204	P/N 46402003
Color filter - Orange 306M	P/N 46402004
Color filter - Red 308	P/N 46402005
Color filter - Green 203	P/N 46402006
Color filter - Blue 108	P/N 46402007
Color filter - UV-transmitter.	P/N 46402008
Color filter - Half Minus Green	P/N 46402009
Heat filter	P/N 41102060

The number next to some color filters are OCLI (Optical Coating Laboratory, Inc.) reference numbers.