

DROPLET™

Droplet™ is the smallest automated moving LED fixture completely controllable via DMX. Droplet mixes colors with 4 red, 4 green and 4 blue Luxeon high power LEDs via the unique Xilver™ Color Combining System. The Xilver Color Combining System produces a homogeneous colored beam of light without multi-color shadows or multi-color dots when you look into the beam. The Droplet™ has a very bright washed LED light source. Through a unique heat management systems it ensures maximum LED light output and maximum fixture and source life.



XILVER™
DESIGN - INNOVATE - CREATE

DROPLET™

Specification

Light Source

LED Source	12 Luxeon high power LEDs (4x1 Watt Red, 4x1 Watt Royal Blue, 4x1 Watt Green)
Color system	Unique Xilver™ Color Combining System creating 16,7 million homogeneous colors without multi-color shadows and dots No IR/UV Radiation
Average Lifetime	Xilver Products utilize high brightness LEDs (10 years life span = 100.000 hours)
Lumen Maintenance	70% at 50.000 hours.

Optics

Standard beam angle 18° Optional lenses: 8°, 25° and 35°

Physical

Diameter x Height	130 mm x 185 mm (5,2 inch x 7,3 inch)
Weight	Actual: 1,5 kg (3,3 lbs) Shipping:: 1,8 kg (4 lbs)
Shipping dimensions	315 mm x 19,5 mm x 10,5 mm (12,4 inch x 0,1 inch x 0,4 inch)
Fixture Colors	Silver (RAL9006), Black (RAL9005), White (RAL9003). Any other color on request
Housing	Aluminium. Yoke covers and base housing made of ABS
Ingress Protection Rating	IP30 for indoor use only

Temperature

Operational temperature	Min. 0°C (32F) Max. 40°C (104F)
Environment temperature	Min. 0°C (32F) Max. 40°C (104F)
Storage temperature	Min. -10°C (14F) Max. 60°C (140F)
Cooling	Convention Cooled

Maintenance

No replacement of light source required. Closed optical compartment keeps out dust and ensures low maintenance

Electrical specifications

Input	90-240 VAC/50-60 Hz
Power consumption	35 Watts
Power factor	0,8

Control

DMX-512	Completely compatible with a wide variety of DMX-512 consoles
Addressing	Xilver™ Addressor or Dipswitch
Number of DMX Channels	11 or 12 channels (7 or 8 in reduced mode)

Programmable Functions

Automated Pan & Tilt	360° Pan & 270° Tilt, 0,1125°/step (16 bit), 2 phase high-res. stepper motors for extremely smooth and silent movement
Strobe	A high-performance strobe system capable of ultra-fast operation through strobe frequency (1-25 fps) & strobe duration
Dimmer	Dimmer for adjustment of light output from 0 to 100% with no color variation

Wiring

Data	6 pole connector block for DMX-512 & XSI data signal
Power	2 pole connector block for 90-240 VAC/50-60 Hz
	The specially designed universal mounting plate enables pre-wiring and pre-fixing on wall boxes

Droplet™ Accessories

Extension shaft of 15, 25 or 35 cm available. (0,59inch, 0,98inch, 1,37inch)
Droplet™ Rental Base comes with three build in connectors, a DMX-In, a DMX-Out, Euro Power In and Euro Power Out
Droplet™ Rental Base Plate provides toughness for rental and temporary installations

Accessories

Item	Item Code	Item	Item Code
DROPLET™			
Droplet™ Dynamic Black	103010B	Droplet™ Extension Shaft 25 cm White	M021W
Droplet™ Dynamic White	103010W	Droplet™ Extension Shaft 25 cm Silver	M021S
Droplet™ Dynamic Silver	103010S	Droplet™ Extension Shaft 35 cm Black	M022B
Droplet™ Static Black	103030B	Droplet™ Extension Shaft 35 cm White	M022W
Droplet™ Static White	103030W	Droplet™ Extension Shaft 35 cm Silver	M022S
Droplet™ Static Silver	103030S	Droplet™ Rental Base Plate (height: 1 cm)	M002
		Droplet™ Rental Base with Connectors (height: 4 cm)	M006
DROPLET™ ACCESSORIES		Droplet™ Cable Set	M008
Droplet™ Extension Shaft 15 cm Black	M020B	Droplet™ 8° Lens	M109
Droplet™ Extension Shaft 15 cm White	M020W	Droplet™ 25° Lens	M003
Droplet™ Extension Shaft 15 cm Silver	M020S	Droplet™ 35° Lens	M004
Droplet™ Extension Shaft 25 cm Black	M021B		