

CoreSync Fixture Manufacturer Kit >

The Fixture Manufacturer Kit is a portable solution for testing and validating CoreSync-Ready light fixtures having integrated Drivers and Sensors, automating the end of line testing process.

The Fixture Manufacturer Kit is a self-enclosed kit designed to validate a light fixture with CoreSync components integrated. The tester connects to both the input and output ports on any CoreSync-enabled light fixture. The Tester is an all-in-one solution, and the automated test can be used on fixtures with multiple Drivers, color tuning capabilities, and integrated CoreSync Sensors. Additionally, the Tester automatically steps through different brightness and color commands, allowing the operator to visually inspect the light output and confirm everything has been wired correctly inside the fixture.



FEATURES AND ADVANTAGES

CoreSync Enabled	Easy integration with Molex CoreSync devices
Dual CoreSync IO connectors	Quick and easy connection to all CoreSync Devices
Hot Plug Prevention	Momentary ON push button allows for automatic shut off when released
Integrated RGBW Indicator	Visual indicator showing the end of the test sequence
Power LED	Allows user to identify if test is currently running

SPECIFICATIONS

Electrical

Input Voltage: 110-250VAC 50-60Hz
 Max Input Current: 15A
 Output Power: CoreSync Bus (42V-60V DC)

Commercial Standards

FCC Class B
 CE
 UKCA

Product Safety

Output over-current protection
 Output over-voltage protection
 Internal Over-Temperature Protection
 DO NOT hot swap

Mechanical

Housing Material: ABS plastic
 Color: Gray
 Weight: 1.36kg (3.0lbs.)

Environmental

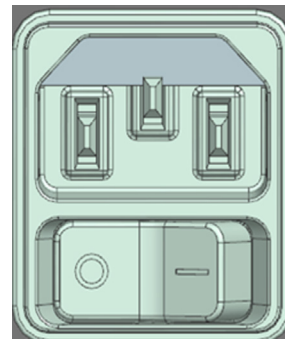
Ambient Temp Range: 0 to 55°C (32 to 131°F)
 Storage Temperature: -40 to 60°C (-40°F to 140°F)
 Max Case Temperature : 60°C
 Relative Humidity: 10-80% Non-Condensing
 Environmental Rating: Indoor

www.molex.com/products/coresync/

CoreSync Fixture Manufacturer Kit >

CONNECTION INTERFACES

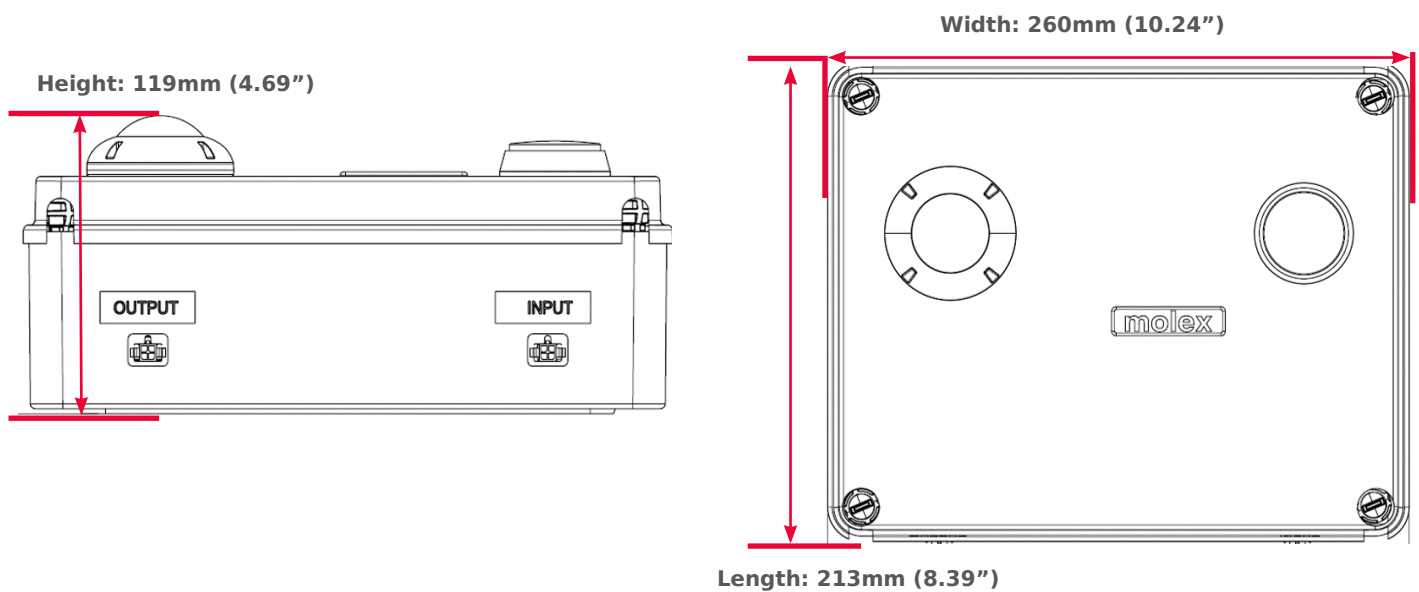
Connection	Connection Specification
AC Power Input	C-14 Power Entry for C-13 Power Cable
CoreSync Input	4-pin Micro-fit 3.0 Connector, <i>CoreSync Harness</i>
CoreSync Output	4-pin Micro-fit 3.0 Connector, <i>CoreSync Harness</i>



C-14 Power Entry

On/Off Switch

Dimensions



www.molex.com/products/coresync/

CoreSync

Fixture Manufacturer Kit

ORDERING INFORMATION

Order No.	Description
180788-2000	CoreSync Fixture Manufacturer Kit

COMPATIBLE PRODUCTS

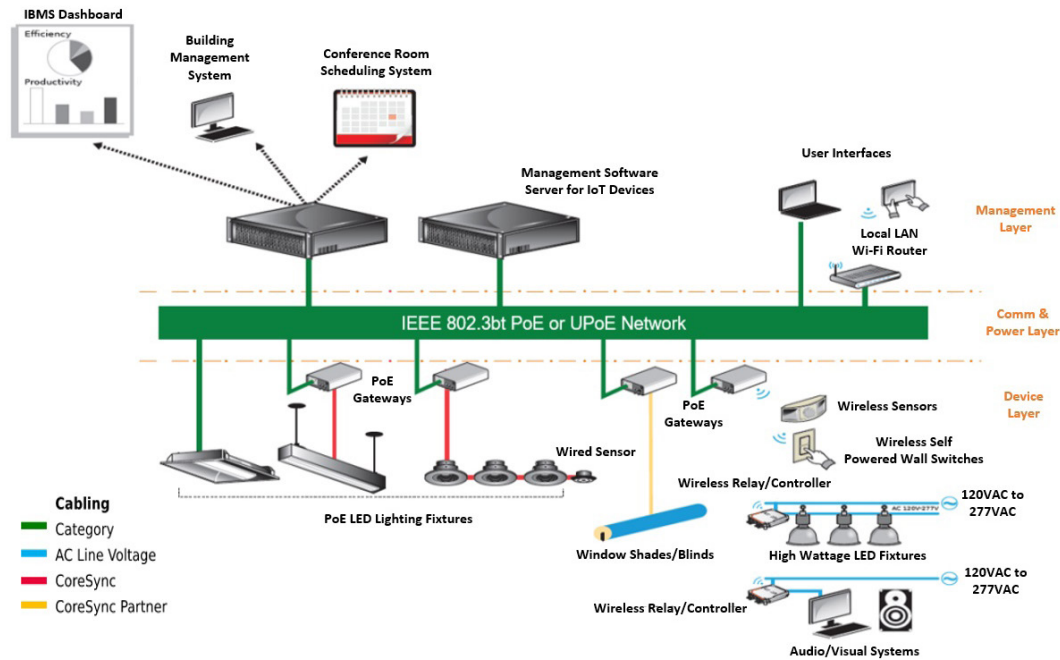
Part No.	Description	Output Current (mA)	Accuracy	Typical Efficiency at Full Load (%)	Output Voltage	
180996-XX07	Programmable Smart LED Driver, Single Channel	250-300mA	±3%	94	12-42VDC*	
180996-XX01		300-350mA				
180996-XX02		360-500mA				
180996-XX03		510-700mA		95		
180996-XX06		710-880mA				
180996-XX04		890-1050mA				
180996-5108		1060-1200mA				
180996-5109		1210-1400mA				
180996-XX07		Programmable Smart LED Driver, Dual Channel				250-300mA
180996-XX01	300-350mA					
180996-XX02	360-500mA					
180996-XX03	510-700mA			95		
180996-XX06	710-880mA					
180996-XX04	890-1050mA					
180996-6108	1060-1200mA					
180996-6109	1210-1400mA					
182091-1000	PoE Multi-Mount Sensor C					
182090-1000	PoE Fixture-Mounted Sensor R					

** Programmable in 10mA increments, using CoreSync Programming Kit No. 180788-1000.

www.molex.com/products/coresync/

CoreSync Fixture Manufacturer Kit >

TYPICAL CORESYNC APPLICATION



DAISY-CHAINING

Each device is powered and physically connected by the Molex CoreSync PoE Gateway with a rugged and reliable Molex CoreSync harness cable using a Molex Micro-Fit⁺ 4-pin connection. If the power requirement for a group of devices is below 50W for UPoE and below 71.3W for 802.3bt 90W standard, a single Molex CoreSync PoE Gateway can power and control multiple devices in a Daisy-Chain configuration, with the easy-to-use input and output connector scheme.



* Minimum Guaranteed Power for Gateway 1.0 is 51W and Gateway 2.0 is 71.3W. The total power budget on the gateway must comply with the requirement

www.molex.com/products/coresync/