

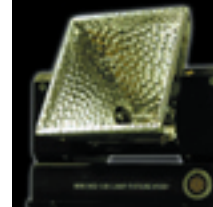
MiniHiG™ Onboard Lighting System

Onboard lighting has always been the weak link in automotive testing. The limited options, whether commercially available or homegrown, provided inferior performance and required unacceptable compromises in weight, size, setup, or safety. Until now.



Luminys is proud to introduce the MiniHiG™ onboard lighting system, the optimal solution for onboard testing.

- Flicker-free light 5400° Kelvin and 96+ CRI, the highest quality light source available for automotive testing
- High-intensity — up to 1600 Watts per fixture from an unbelievably small footprint
- Tested to 100G on three axes
- Rapid “snap in” mounting system
- Lightweight — less than half the onboard weight of conventional products
- Cool operation — low idle level and instant full power minimizes heat on the subject during setup and tests
- Stand alone — no exterior cables or break-away tethers required for power
- Single charge easily supports up to 5 standard tests per hour
- Integrates with wireless remote control — on board light is interfaced to DAS and is triggered via remote trigger signal
- Easy pre-test set up — on board equipment is completely managed by the controller during pre-test setup
- Trickle Charge — a battery friendly recharge system uses standard 110V/15amp house power to recharge



MiniHiG™ Onboard Lighting System

Specifications:

System	
Onboard Battery Powered Supply and Controller	
Offboard Power Supply and Ignitor	
Lamp Fixture with rotation on 2 axes [360° X 150°]	
Charger	
Controls	
Initiate Lamp High Input	Leading Edge Triggered 5–24 V
Status Signal Output	Opto Isolated Open Collector
Key Switch Mode Select	A=10 Sec., B=16 Sec., C=25 Sec.
Key Switch Power	On / Off
Battery LED	Green – OK; Flashing Red – Low
Status LED	Green – OK; Flashing Red – Lamp Failure or Battery Low
High Test Button	2 Sec. High Test
Acceleration Resistance	
Onboard Power Supply	100G
Lamp Fixture	100G
Lamp	100G
Dimensions	
Onboard Power Supply	8.25 in. x 7.5 in. x 11.25 in.
Lamp Fixture	6.37 in. x 3.13 in. x 5.19 in.
Offboard Rack Mount	19 in. x 14.5 in. x 3.5 in.
Charger	8.25 in. x 7.5 in. x 3 in.
Weight	
Onboard Power Supply	25 lbs.
Lamp Fixture	3.5 lbs.
Power (onboard)	
High Output Power	1600W Electrical, ~60,000 Lm Optical
Medium Output Power	1000W Electrical, ~36,000 Lm Optical
Idle Output Power	130W Electrical
Other	
Max. Offboard Idle Time	Unlimited
Recommended Max. Onboard Idle Time	10 minutes
Hot Re-Strike Time	After 2 sec. high test – 10 seconds After high or medium mode – 5 minutes
Operating conditions	0 to 35°C, No Dew

Test Applications:

Barrier
Rollover
Car to Car
Sled
ATD Passenger
Air Bag <ul style="list-style-type: none"> • Static • Dynamic • Chamber
Onboard Components and Assemblies
Crush and Crumble Zone Testing