

Vehicle Lighting and Photometric Testing

VCA (Vehicle Certification Agency) Technical Service Supplier Scope of Accreditation:

- UNECE (United Nations Economic Commission for Europe) Vehicle Regulations
- Reg. 1 - Headlamps, Asymmetrical Beam w/R2 filaments
- Reg. 2 - Incandescent Lamps
- Reg. 3 - Retroreflecting Devices
- Reg. 4 - Registration Plate Lamps
- Reg. 5 - Sealed Beam Headlamps
- Reg. 6 - Direction Indicators
- Reg. 7 - Front/Rear Position Lamps, Stop Lamps, End Outline Marker Lamps
- Reg. 8 - Headlamps, Asymmetrical Beam w/ H1, H2, H3, HB3, HB4, H7, H8, H9, H1R1, H1R2 and/or H11
- Reg. 19 - Front Fog Lamps
- Reg. 20 - Headlamps, Asymmetrical Beam w/ H4
- Reg. 23 - Reversing Lamps
- Reg. 31 - Headlamps, Asymmetrical Halogen Sealed Beam
- Reg. 37 - Filament Lamps
- Reg. 38 - Rear Fog Lamps
- Reg. 50 - Moped and Motorcycle Signaling and Marking Devices
- Reg. 56/76/82 - Moped Headlamps
- Reg. 57/72 - Motorcycle Headlamps
- Reg. 65 - Special Warning Lights
- Reg. 69 - Rear Marking Plates for Slow-Moving Vehicles
- Reg. 70 - Rear Marking Plates for Heavy and Long Vehicles
- Reg. 77 - Parking Lamps
- Reg. 87 - Daytime Running Lamps
- Reg. 91 - Sidemarker Lamps
- Reg. 98 - Headlamps, Gas Discharge Light Source
- Reg. 104 - Retroreflection, Heavy and Long Vehicles
- Reg. 112 - Headlamps, Filament Lamps, Symmetrical
- Reg. 113 - Headlamps, Filament Lamps, Asymmetrical
- Reg. 119 - Cornering Lamps



0.2°, 0.33°, 1.5°, 10 foot Detectors, High Speed Strobe Light Detector, and Reflex Projector

A2LA (American Association for Laboratory Accreditation) Scope of Accreditation:

- Federal Motor Vehicle Safety Standard 108 (FMVSS 108)
- Forward Lighting Devices
- Signaling, Marking and Rear Lighting Devices
- Spectrophotometry (SAE J578)
- Photometry of Retroreflective Materials
- Agricultural Machinery
- All-Terrain Vehicles
- Snowmobiles
- Warning Lamps and Devices
- Construction and Industrial Machinery
- Motorcycles
- Strobe Lamps
- See certs at www.a2la.org

AMECA (Automotive Manufacturer Equipment Compliance Agency) Scope of Accreditation:

- www.ameca.org
- Headlamps - Replaceable Bulb & Sealed Beam, Aiming Equipment
- Backup Lamps
- Center High Mounted Stop Lamp
- Clearance/Identification/Sidemarker Lamps
- Cornering and Parking Lamps
- License Plate Lamps
- Reflex Reflectors (automobiles, motorcycles, bicycles, pedals and tires)
- Stoplamps/Taillamps/Turn Signal Lamps
- Auxiliary Low Beam Lamps
- Driving Lamps
- Fog Lamps
- Spot Lamps
- High Mounted Stop Lamp (HMSL)
- School Bus Alternating Warning Lamps, Stop Arm & Roof Mounted Warning Lamps
- Motorcycle Headlamp Assembly, Turn Signal Lamps and Auxiliary Front Lamps

EMC Testing:

- AEMCLAP Accredited Ford & GM Approved
- GMW3097
- Ford ES-XW-7T-1A278-AC
- SAE J1113
- ISO 11452

Other Equipment/Capabilities:

- GMN8020TP HALT and Intermittence Detection
- Dust Chamber per SAE J575e (1970)
- Moisture Chamber per SAE J575e (1970)
- Vibration Table per SAE J577 (1958)
- Marine Lamp Testing (ABYC)
- Random and Sine Vibration
- Compliance Consulting
- Fixture Design and Fabrication
- ROMER Portable CMM for coordinate measuring



Goniophotometer



Topcon BM-7 Colorimeter/Photometer for Color (SAE J578), License Plate Photometry and Spot Luminance Measurements



Qualmark 6-Axis HALT/HASS Chamber for GMN8020 Specification Including Intermittence Detection