



RITT-100

Road Illumination Testing Trailer

COMMITTED TO INNOVATION

AS A GLOBAL LEADER IN OUR FIELD, WE OFFER A VARIETY OF COST-EFFECTIVE, SCALABLE SOLUTIONS FOR PHOTOMETRIC AND ENVIRONMENTAL TESTING ACROSS A RANGE OF LIGHT TESTING INDUSTRIES. WE STRIVE TO BE AN INDUSTRY VOICE FOR MODERNIZATION AND IMPROVED STANDARDIZATION.

CERTIFICATIONS & MEMBERSHIPS

- IEC/ISO-17025 Certified
- GTB Delegate - Automotive Lighting & Light Signaling Expert Group (EU)
- SAE Automotive Lighting Committee
- SAE Aerospace G20 & A20 Committee
- SPIE - International Society of Optical Engineering
- IEEE - Institute for Electrical & Electronics Engineers
- IESNA - Illuminating Engineering Society of North America
- ANSI - FL1 - Flashlight Standards Committee

The RITT is a testing trailer with preset positions for FMVSS Car/Truck/ Motorcycle testing, opposing/preceding vehicles. The RITT is designed to work in conjunction with STS TDA System that includes 5 Photo-150 high speed, high-accuracy illuminance meters, laptop, and TDA-Scale software that delivers measurements for illuminance values versus time/distance to test vehicle. Full reporting criteria for track test scenarios produced.

Toyota Camry • Ford F-150 • HD Sportster Lamps

TDA-200

RITT-100 works in conjunction with the STS Test Data Acquisition system to produce high-accuracy, prompt data reporting.





We design and manufacture highly customized photometric testing equipment and software for our customers.

- GONIOPHOTOMETERS
- PHOTOMETERS
- CAMERA-BASED PHOTOMETRY
- SPECTRORADIOMETERS
- VIBRATION TEST MACHINES
- INTEGRATING SPHERE
- CUSTOM EQUIPMENT
- SOFTWARE

RITT-100 (Mobile Stimulus Vehicle)

- Preset positions for FMVSS Car/ Truck/Motorcycle testing for opposing/preceding vehicles
- Error-free positioning for various track test scenarios
- Street-legal and easily transported from each testing location



TDA-200 SYSTEM CAPABILITIES

- Runs off 12V of test vehicle or separate battery
- Remote start of data acquisition
- Remote on/off of "static" and "suddenly exposed" lights
- GPS unit measures and stores distance to test trailer/test base
- Data coordinated and automatically evaluated with TDA-200 Software
- Combines GPS Test vehicle distance with 5 "live" photometer lux readings during test runs
- Simple Ethernet connection to photometers and laptop for use with TDA reporting software



FMVSS108—ADB LIGHT SOURCES

- Self-regulated internal power supply for 12.8V DC (Other settings available)
- Unspillable Rechargeable 12V battery
- Remote turn on/off up to 500m
- Operate from within the ADB vehicle
- Digital trigger on Light Controller for data acquisition interface
- Headlamp - 2018 Ford-150, 2018 Toyota Camry, & 2018 HD Sportster Lamps
- Taillamp - 2018 Ford-150, 2018 Toyota Camry, & 2018 HD Sportster Lamps

