

LED LIGHTING SYSTEM

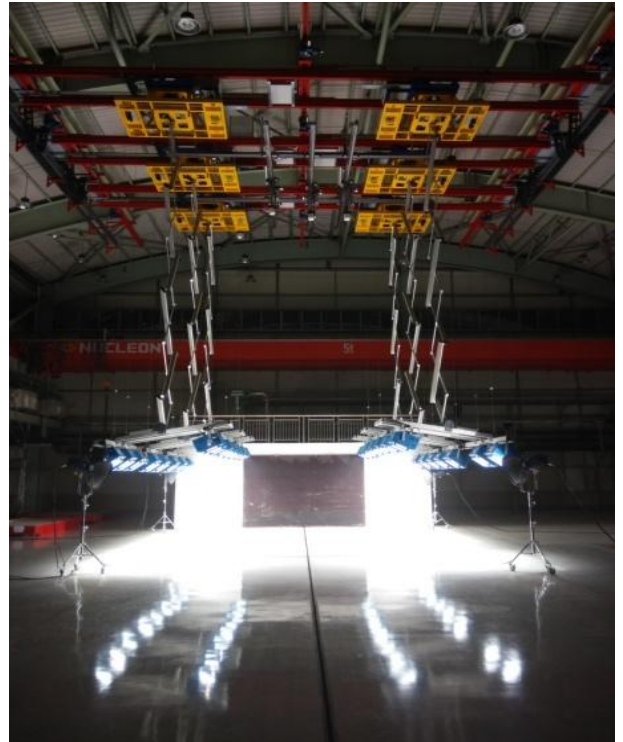
ARIES solution for HIGH-SPEED FILMING in crash tests, crash simulation and other dynamic test applications.

ARIES introduces its LED LIGHTING SYSTEM, specially designed and developed for HIGH-SPEED FILMING in crash tests, crash simulation and other dynamic test applications.

The use of LED lamps has many advantages over HMI and tungsten lamps:

MAIN FEATURES & BENEFITS

- ✓ Shock and vibration free
- ✓ Immediate full power start up
- ✓ No humming and no strobe effect
- ✓ Up to 1 million starts
- ✓ Zero UV radiation, low heat radiation and low amperage
- ✓ Eco-friendly: low energy consumption
- ✓ NO NEED TO WAIT BETWEEN BOOST MODES
- ✓ High efficiency and long life: up to 30000 hours
- ✓ Low maintenance and no tubes-bulbs replacement
- ✓ Energy save up to 85% compared with conventional lighting system



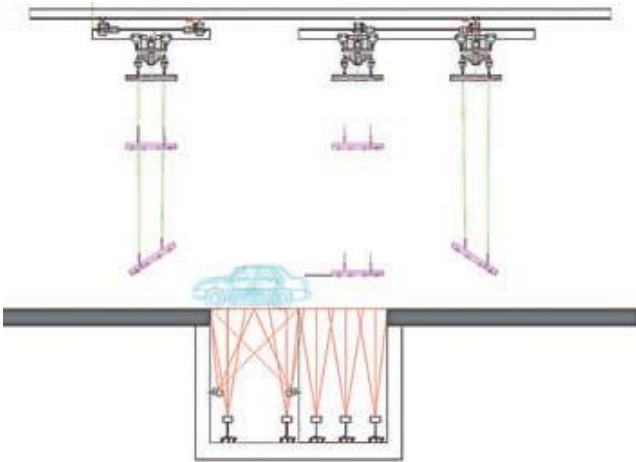
LED CONTROLLERS

- ✓ On- board and Off-board controllers
- ✓ Some luminaires include internal controller
- ✓ From 1 KW up to 3 KW
- ✓ Up to 16 lead lights
- ✓ CMD mode (PC control)
- ✓ Internal battery and charger
- ✓ Ethernet, sync input, hardware start and ready signal
- ✓ Synced and NonSynced modes Handshake signals
- ✓ Possibility to control by Falcon software



AUTOMATED POSITIONING SYSTEM

- ✓ Motorized truss structure
- ✓ Remote control through PC
- ✓ Increases flexibility
- ✓ Allows quick configuration change
- ✓ Multiple DoF: vertical and horizontal movement, rotation...
- ✓ Banks can move independently to achieve optimal light distribution
- ✓ Easy maintenance (can get down to operator level)
- ✓ One lighting system can operate at several crash areas



ADVANCED LIGHTING SIMULATION

ARIES uses advanced lighting software in order to determine the optimal amount and distribution of luminaires for each application.

Software also allows to predict accurately the illumination (lux) level that will be obtained at each point, and even render a visual simulation in order to see a realistic prediction of what the system will look like to the human eye when active.

