

## LIGHTING SYSTEMS FOR HIGH-SPEED-PHOTOGRAPHY

### Questionnaire

#### General

Customer: \_\_\_\_\_

Full Company Name: \_\_\_\_\_

Full name: \_\_\_\_\_

Department: \_\_\_\_\_

Job title: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Project: \_\_\_\_\_

#### Application

What kind of tests will be run?

Crash Impact  Sled Test  Static Tests

If crash impact, which type of tests are performed?

Barrier Tests  Side Impact  Car to Car Crash

If sled tests are performed, which type of sled is used?

Repulsed Sled (HYGE)  Impact Sled

If static tests are performed, what exactly is tested?

\_\_\_\_\_

What type of samples will be tested?

Complete Cars  Air Bags  Seat-Belts

Seats  Others  \_\_\_\_\_

What are the physical dimensions of the samples?

Length \_\_\_\_\_

Height \_\_\_\_\_

Width \_\_\_\_\_

**Photography**

What type of camera is used? \_\_\_\_\_  
\_\_\_\_\_

What type of film is used or do you work digitally? \_\_\_\_\_  
\_\_\_\_\_

What shutter angle (K-factor)  
will you be using? \_\_\_\_\_

What are your expected frame  
rates (pictures per second)? \_\_\_\_\_

Which F-Stop you are using? \_\_\_\_\_

Can you supply a sketch or describe the positions of your cameras?  
\_\_\_\_\_  
\_\_\_\_\_

**Lighting System**

What type of lighting system do you need?

Top Lighting  Pit Lighting  On-Board Lighting

What type of lightsource do you need?

HMI  LED

What is the size of the event area to be illuminated?

Length \_\_\_\_\_

Height \_\_\_\_\_

Width \_\_\_\_\_

**Lighting System**

Are there any ideas regarding the  
required illuminance (lux)? \_\_\_\_\_

Are there any ideas regarding the  
required homogeneity of illuminance within the event area? +/- \_\_\_\_%

Do you have any temperature considerations? Yes  No

If yes, what are they: \_\_\_\_\_  
\_\_\_\_\_

Do you want a lighting installation that is:

Fixed  Moveable

If moveable please detail your needs: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What type of control system do you prefer?

Manual  Automatic  External

If an automatic and/or external control is requested, please describe your needs: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What is the average distance for cable routing between the electrical supply rooms (installation of our electrical cabinets) and the lighting system?

\_\_\_\_\_

What kind of electrical supply is available at your facility?

(Voltage/Frequency/Power)

\_\_\_\_\_

\_\_\_\_\_

Do you have any other special requirements ? Yes  No

If yes, please specify: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**If available, please provide schematics with dimensions regarding the test facility and the planned test set-up.**

**Thank you for your assistance.**