

SAMMODE: SPECIFIC LIGHTING SOLUTIONS FOR INSPECTION PITS

LIGHTING THE INSPECTION PITS IS A COMPLEX ISSUE AS SEVERAL REQUIREMENTS HAVE TO BE SIMULTANEOUSLY FULFILLED, AS REGARDS TO LIGHT DISTRIBUTION, RESISTANCE TO THE AGGRESSIONS AND MAINTENANCE EASINESS. FOR THE NEW INSPECTION PITS DEDICATED TO THE HIGH SPEED TRAIN (TGV), INCLUDING THE RECENT EAST HIGH SPEED TRACK (LGV EST), SAMMODE DEVELOPED A SPECIFIC LIGHTING SOLUTION IN VERY CLOSE COLLABORATION WITH THE FRENCH RAILWAYS AUTHORITIES (SNCF).

THE REQUIREMENTS

Reflecting all their technical needs, the SNCF engineers set forth the following requirements :

Light distribution:

- Light mainly up, under the train, and to a lesser extent, down, on the ground
- Limit glare to a minimum

Resistance to the environment:

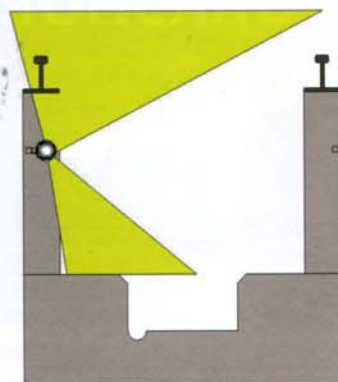
- Resist to oil (corrosion)
- Withstand shocks and mechanical constraints

Maintenance and life expectancy:

- Minimize frequency and costs of maintenance
- Fast and easy maintenance

SAMMODE'S SOLUTION

Based on a more than 75-year experience in developing and manufacturing lighting solutions for the harshest environments, including railways, SAMMODE developed the following specific solution :



Customized reflector for relevant light distribution

Light distribution:

- Asymmetric reflector to avoid glaring
- Direct / indirect perforated reflector to light both under the train and on the ground

Resistance to the environment

- Tubular shape concept, ensuring maximum resistance to shocks and polluted environments
- Stainless steel and borosilicate glass casing to resist to oil



- White coated external basket to protect from objects (tools) falls
- Hermetically sealed IP68 casing to avoid any ingress of dust, pollution, humidity or water, ensuring maximum life expectancy

Maintenance and life expectancy

- "Darwin" fitting patented concept for fast and easy maintenance
- Quick opening and closure system

An efficient and approved solution

Long life expectancy, outstanding resistance to chemical and mechanical aggressions, accurate light distribution, easy maintenance: this lighting solutions meets all the needs set out by inspection pits operators.

As a result, many inspection pits adopted the SAMMODE solution. Among them, we can mention Paris (TGV Sud, TGV Est), Rennes, Toulouse, Lyon, but also abroad, like in Belgium or in Israel ■



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