

# PROJECTOR LED 2500 T PRODUCT DESCRIPTION

## DELIVERABLE 2020

- 2500 Lumen minimal output
- compact design
- high energy efficiency
- high-efficient 36mm optical system
- DALI dimmable

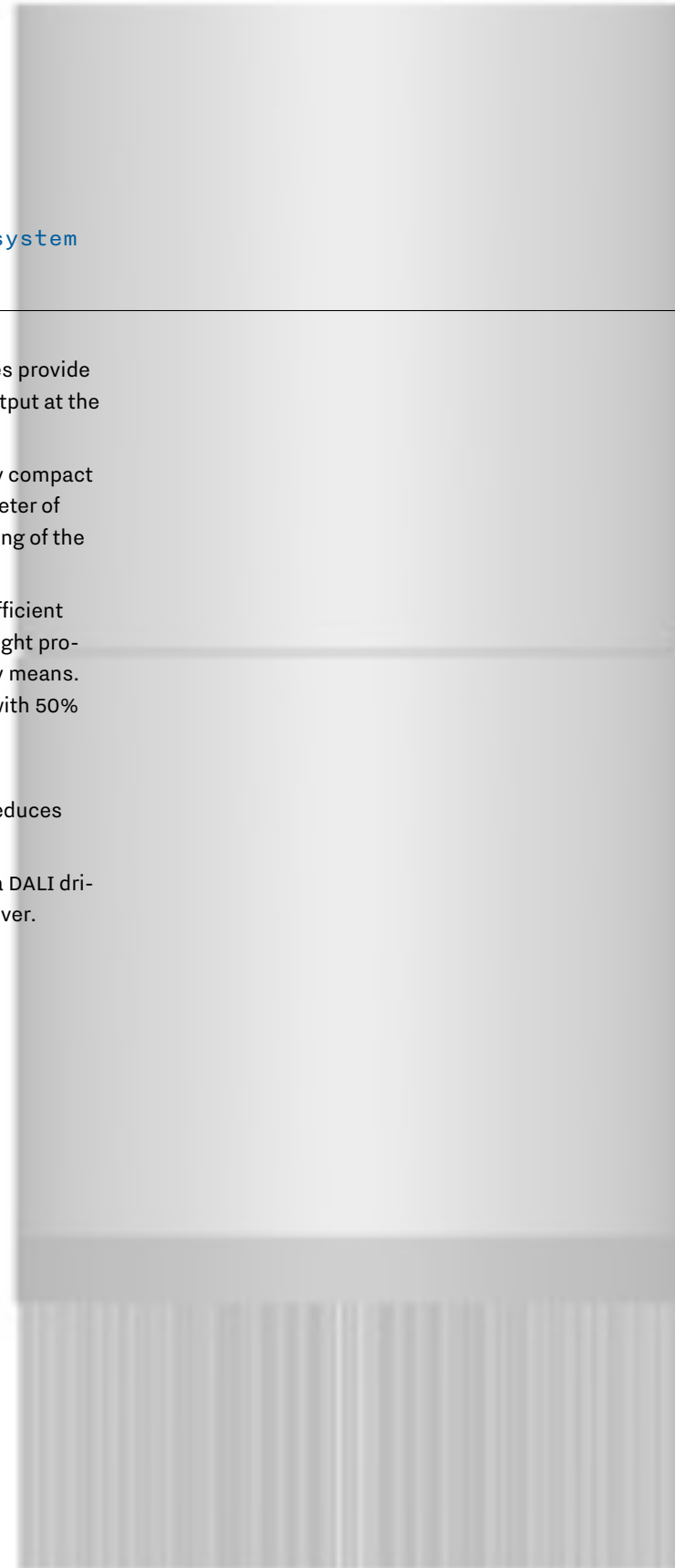
High-resolution and high-performance f2 lenses provide excellent light distribution with 2500 lumen output at the projection surface.

The projector meets the target for an extremely compact design: Fixed focal length and an optimal diameter of mask for the optical assembly, external mounting of the power unit for a compact housing.

In the projection field LED technology is less efficient than discharge lamps and yet opticalight LED light projectors compare well to HIT run systems by any means. opticalight LED light-projectors lead the field with 50% luminous flux efficacy.

Excellent light distribution on 36 mm masks:  
1.6 Megapixel / 1000 dpi laser manufacturing reduces grid effect even at facade filling scale.

LED 2500 T may be controlled and dimmed by a DALI driver. Up to 5 projectors may be driven by one driver.



### TECHNICAL SPECIFICATIONS

Optical lenses	29° / 46° / 68° / 90°
Standard mounting	360mm / 240mm / 175mm / 3kg
Power unit	250mm / 70mm / 40mm / 2kg
Light source	1 x 40V 50W LED COB passive temperature control 10'000 h LM-80 1A 105 C° 50'000 h (L90/B10) 25 C° 3'000 K° standard 2'200 K° - 6'500 K° on preorder
Housing	Al, powder-coated / DB 703 custom on preorder
Adjustability	tilt +/- 60° pan 360°
Power unit	IP67, Class I 50W - 250W / 115-230VAL, 40V DC 4-2A, 3*1 mm2
Projector	IP 65, ClassIII /- 20 C° to +45C°
Masks	ø 36 mm Al - Borosilicate / > 10 years

### MOUNTING

LED 2500 projectors can be mounted in every position. The optical assembly unit and LED module must remain accessible at all times.

### MAINTENANCE

Opticalight installations are designed to be maintained by the operating company. Readjustment is not necessary if the projector is correctly mounted and operated. Annual external cleaning is recommended. Excluding incidents the masks are maintenance-free. The power unit is external, in either an extra housing or integrated into the pole. The LED module can be replaced like a conventional light source and can be ordered in exchange for a defective module.

### PHOTOMETRIC DATA

Maximal range of illumination is determined through lens selection 29°, 46°, 68° and 90°. Regular light distribution is achieved at full output. This distribution can be simulated with photometric data.

### ZHAGA STANDARD COB

The LED 2500 T may be equipped with any ZHAGA standardized 9mm COB. The Cree CXB 1520 used is available from 2200K° up to 6500K° at a CRI of 80 - 98. The extremely high density of up to 72 lm / mm2 is key to the high, optical efficiency.

