

ADAPTIVE MATRIX WORKLIGHT

ADVANCED LIGHTING SYSTEM



HEADQUARTERS

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The information published in this catalogue is purely indicative. The Company reserves the right to introduce
all technological changes of the present product at any time and without prior notice.



ADAPTIVE MATRIX WORKLIGHT

COBO adaptive matrix working light is a system equipped with an array of individually addressable and controllable LED working together with a COBO electronic control unit. The adaptive matrix working light connected via CAN to the COBO Vehicle Control Unit increases the safety of driving for operators on the construction sites and elsewhere.

Matrix technology allows a single working lamp to mix up to 3 light patterns. Light intensity can be controlled by regulating the current flow for each LED.

The adaptive working light can be woken up by CAN command, each work light on the vehicle is identified through ID CAN, and it is possible to assign them to a specific function and position on the vehicle.

CAN

By means of COBO VT3 software tool, it is possible to set the worklight as a full slave device, or configure it for one or more specified beam patterns, upon receiving a specified CAN messages.



TECHNICAL SPECIFICATIONS

- Voltage supply: 12V and 24V nominal
- Max power consumption: 26W
- Max effective luminous flux: 1900 lm
- Main pattern beams selectable via CAN: Spot/flood/wide/full
- Mixed pattern beams selectable
- Beam intensity adjustment
- Single source LED selectable
- On/Off switchable via CAN or by key/rocker
- CAN protocol: CANopen compatible
- CAN baud rate: 500/250/125 kbit/s
- Sealing degree: IP67 + IP69K
- Operating ambient temperature: -40 ÷ 85°C
- Outer lens heating: option
- EMC: ECE R10 - CISPR 25 - Class 3-5

ADVANCED LIGHTING SYSTEM CONTROLLABILITY & SAFETY



**4 FUNCTIONS IN 1:
SPOT, FLOOD, WIDE, FULL**



**MODULARITY AND FULL CAN
CONTROLLABILITY**



CUSTOM CONFIGURABILITY

FIXING SOLUTIONS:



Side view
lateral mounting

PIVOTING PEDESTAL

Side view
lateral mounting

"L" BRACKETS