

CONFIGURATION EXAMPLES



OWS⁷ with KL-ER single-reflector system

Product number	Width	Alley Light	V
2RL 010 710-101	900 mm	–	12 V
2RL 010 710-111	1000 mm	–	12 V
2RL 010 710-121	1100 mm	–	12 V
2RL 010 710-131	1400 mm	–	12 V
2RL 010 710-141	1600 mm	–	12 V
2RL 010 710-201	1000 mm	x	12 V
2RL 010 710-211	1100 mm	x	12 V
2RL 010 710-221	1400 mm	x	12 V



OWS⁷ with KL-LR2 LED trough parabolic system

Product number	Width	Alley Light	Worklight	V
2RL 010 710-151	900 mm	–	–	12 V
2RL 010 710-161	1000 mm	–	–	12 V
2RL 010 710-231	1000 mm	x	–	12 V
2RL 010 710-171	1100 mm	–	–	12 V
2RL 010 710-241	1100 mm	x	–	12 V
2RL 010 710-181	1400 mm	–	–	12 V
2RL 010 710-251	1400 mm	x	–	12 V
2RL 010 710-271	1400 mm	x	2 rear	12 V
2RL 010 710-191	1600 mm	–	–	12 V
2RL 010 710-261	1600 mm	x	–	12 V
2RL 010 710-281	1600 mm	x	2 rear	12 V

Further versions on request.

CONFIGURATION EXAMPLES



Configuration example with chaser signal and worklight.

OWS⁷ with KL-LM2 module

Product number	Width	Alley Light	Worklight	LSB	V
2RL 010 710-951	900 mm	–	–	–	12 V
2RL 010 710-961	900 mm	x	–	–	12 V
2RL 010 710-971	1000 mm	–	–	–	12 V
2RL 010 710-981	1000 mm	x	–	–	12 V
2RL 010 710-991	1000 mm	x	–	5 modules	12 V
2RL 010 711-001	1100 mm	–	–	–	12 V
2RL 010 711-011	1100 mm	x	–	–	12 V
2RL 010 711-021	1100 mm	x	–	6 modules	12 V
2RL 010 711-031	1200 mm	–	–	–	12 V
2RL 010 711-041	1200 mm	x	–	–	12 V
2RL 010 711-051	1200 mm	x	1 rear	–	12 V
2RL 010 711-061	1200 mm	x	2 rear	–	12 V
2RL 010 711-071	1200 mm	x	1 rear, 1 front	–	12 V
2RL 010 711-081	1200 mm	x	2 rear, 2 front	–	12 V
2RL 010 711-091	1400 mm	–	1 rear	–	12 V
2RL 010 711-101	1400 mm	–	2 rear	–	12 V
2RL 010 711-111	1400 mm	x	–	–	12 V
2RL 010 711-121	1400 mm	x	2 rear	–	12 V
2RL 010 711-131	1400 mm	x	–	8 modules	12 V
2RL 010 711-301	1400 mm	–	–	–	12 V
2RL 010 711-141	1600 mm	–	–	–	12 V
2RL 010 711-151	1600 mm	x	1 rear	–	12 V
2RL 010 711-161	1600 mm	x	2 rear	–	12 V
2RL 010 711-171	1600 mm	x	1 rear, 1 front	–	12 V
2RL 010 711-181	1600 mm	x	2 rear, 2 front	–	12 V
2RL 010 711-191	1600 mm	x	2 rear, 2 front	8 modules	12 V
2RL 010 711-271	1600 mm	–	–	–	24 V
2RL 010 711-281	1600 mm	x	2 rear	–	24 V
2RL 010 711-201	1800 mm	–	–	–	24 V
2RL 010 711-211	1800 mm	x	2 rear	–	24 V
2RL 010 711-221	1800 mm	x	2 rear, 2 front	–	24 V

Further versions on request.



Roof Lighting

BRIEF INFORMATION

OWS⁷ Optical warning system

- Aerodynamic LED roof bar
- Flat and compact design
- Fully modular design
- Long service life

PRODUCT CHARACTERISTICS

- **Modularity**
All requirements are covered, from the basic version to high-end options.
- **Aerodynamics**
Best CW values are achieved thanks to the small frontal area and special design.
- **Design**
Flat modern design – different colours available.
- **Safety**
Optimum warning effectiveness thanks to excellent light values.
- **Long service life**
- **Cost saving thanks to low current consumption**
- **High vibration resistance**



Configuration example with active chaser signal and worklight.

MODULES OWS⁷

Fully modular from the basic version to maximum features.

- Suitable for any application
- Housing widths from 900 mm to 2,000 mm increments (in 100 mm increments)
- 12 or 24 V



- | | | | | | | |
|--|---|--|--|---|---|--|
| <p>1 Main beacons</p> <ul style="list-style-type: none"> → LED KL-LM 2: 360 ° module, flashing warning signal, high-power LEDs arranged in a semi-circle → LED KL-LM 4: like LED KL-LM 2 module, rotating warning signal → LED KL-LR 2: flash module, reflector in trough formation, option to use front and rear signal separately → KL-ER: classic halogen rotating-mirror module | <p>2 Alley Lights</p> <ul style="list-style-type: none"> → with 4 LEDs → Intensive close-range illumination along the side | <p>3 Worklights</p> <ul style="list-style-type: none"> → 12 V-Version with H9 bulbs → 24 V-Version with H3 bulbs → Also available in LED technology → Can be equipped with several headlights | <p>4 Hazard blinking lights</p> <ul style="list-style-type: none"> → To the front, to the front and rear, or to the rear → LED module with powerful light intensity → Synchronisation with the vehicle indicators possible when ZSE is used → For installation under the light dome | <p>5 Chaser signal: LED signal bar (LSB)</p> <ul style="list-style-type: none"> → Integrated amber chaser signal for warning and securing at the rear of the vehicle → Traffic control possible thanks to different signal directions → Day/night mode can be switched using the control unit → Please observe country-specific regulations during use | <p>6 Light dome (depending on light module)</p> <ul style="list-style-type: none"> → Transparent → Amber | <p>7 Panels</p> <ul style="list-style-type: none"> → Milky white → Transparent amber → Transparent clear <p>Beyond a width of 1,200 mm, partitions are installed in order to cascade the panels.</p> |
|--|---|--|--|---|---|--|

TECHNICAL DETAILS

Lighting technologies:

Designation	Abbreviation	
Halogen single-reflector system	KL-ER	
LED parabolic trough system	KL-LR2	
360° LED module, Flash function, High-power LEDs arranged in a semi-circle	KL-LM2	
360° LED module, Rotating light function, High-power LEDs arranged in a semi-circle	KL-LM4	

Technical specifications	KL-ER	KL-LR2	KL-LM2	KL-LM4
Operating temperature range	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C
Interference suppression	Conducted class 5 (CISPR 25)	Conducted class 5 (CISPR 25)	Conducted class 5 (CISPR 25)	Conducted class 5 (CISPR 25)
Illuminant	H1/55 W	LED	LED	LED
Rated voltage (U _N)	12 V / 24 V	12 V / 24 V	12 V / 24 V	12 V / 24 V
Current consumption	2 x 5A / 2 x 3A	2 x 3.0A / 2 x 1.5A	2 x 3A / 2 x 1.5A	2A / 1A
Approvals	DIN 14620 035717	DIN 14620 035717	DIN 14620 035717	DIN 14620 035717

Type approval	KL-ER	KL-LR2	KL-LM2	KL-LM4
Lighting homologation	TA1 002 380 (ECE-R65)	TA1 002 379 (ECE-R65)	TA1 003232 (ECE-R65)	TA1 003232 (ECE-R65)
EMC compatibility	035 717	035 717	035717	035717

Spare parts for...	Designation	Product number
KL-ER	H1 bulb, 12 V/55 W	8GH 002 089-131
KL-ER	Drive belt	9XR 010 493-001
KL-ER	KL-ER single-reflector module	2RM 864 233-101
KL-LR2	LED reflector module	2XD 171 067-051

