

MUNICIPAL & WASTE

OE lighting and safety selection

HALL C6
STAND
349/448



Vignal Group, the lighting and safety specialist for industrial and commercial vehicles.

Since 2014, our group has gradually developed through organic growth and has carried out several external growth operations. This strategic direction enables us to develop synergies to offer more products and services to all our customers, by bringing together several well-known and recognized brands in the industrial and municipal world:



Our philosophy is to have a global design for a local production. With sites situated across three continents, in North America, Europe and China, we aim to provide increased flexibility for a better service.



20+ years of CSR policy



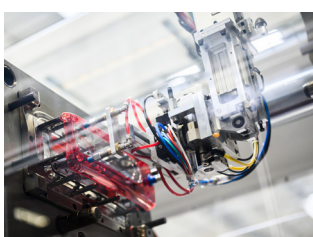
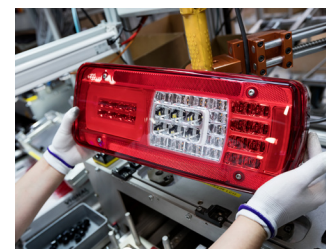
Certified
ISO 14001 - ISO 9001
IATF 16949 - CCC - Certifer



Constant growth



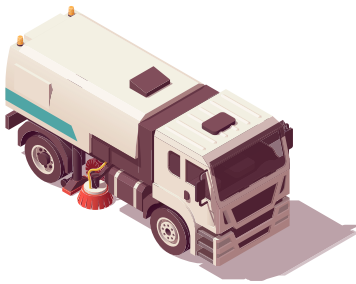
10% of workforce in R&D



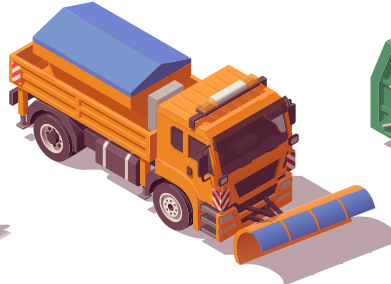
Complete solutions...



...for your vehicles.



Street-sweeping vehicles



Snow-plow vehicles



Waste and refuse vehicles



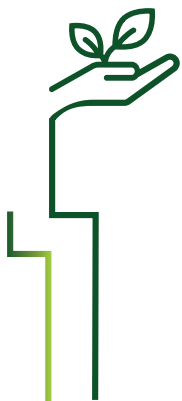
Recycling vehicles



VIGNAL
Global design
Local production



Vignal has turned sustainable development into one of its main strategic focus



Respect for the planet

- Local establishments
- Low carbon strategy
- Eco-design



Respect for the people

- Share a business project
- Respect group's ethics
- Training



Responsible purchasing

- Compliance with laws and regulations
- Local procurements

SV 1000 LED - efficient and professional work light

SACEX



NEW DESIGN



Discover the SV 1000 LED work Light, a robust halogen alternative designed for professionals. Made with polycarbonate, it's lightweight and durable. Upgrade now for reliable, hassle-free illumination that lasts. Make the switch to SV 1000 LED and experience efficient lighting today!

Options :



switch on/off



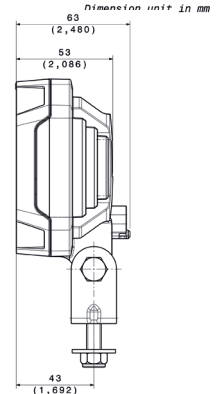
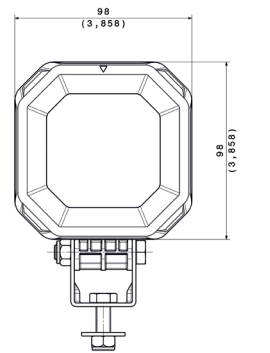
connector



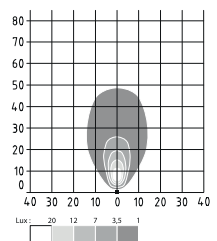
cable

TECHNICAL CHARACTERISTICS

Voltage	Multi-voltage 12-24V
Consumption at 24V	8W
Ampérage	0,34 Amp at 24V
Lens material	Polycarbonate
Operational Lumen	800 Lumen
Light pattern	Flood
Connector	Built-in DT 2 ways, bare lead wiring harness
Load Dump	36V continuous/ ISO 7637-2 Pulse 3b
Polarity	Protected against reverse voltage
Vibration resistance	10 Grms, from 24Hz to 2000Hz
Electronic Thermal Management	Protected against overheating
IP protection	IP68 - IP 69K
EMC	ISO 13766 - ISO 14982 - ISO 12985 - CISPR25 Classe 3
Salt Spray Test	ISO 9227
Shock	60G
Operating temperatures	-40°C to +55°C
Mounting	Pedestal, suspended
Weight	280 gr
Warranty	20 000 operating hours or 5 years



FLOOD



WORK LIGHTS

NO GLARE LED WORK LIGHT RANGE



The ABL compact LED series is well known for its unmatched lighting, mechanical and EMC performances thanks to our **state of the art opto-electronic solutions**.

Through an efficient and flexible modularity design, Vignal brings to its OEM qualified product range a No Glare option which changes the rules in the world of lighting without any compromises.

Available for 1000, 1500 and 2000 Lm products, our **No Glare optical modules cancel the dazzling effect without affecting the lighting coverage of the standard product**, with a dedicated system which drives the light only where you need it, increasing safety and comfort for other drivers and workers around heavy duty and handling operating machines.



TECHNICAL CHARACTERISTICS

Voltage	Multi-voltage 12-24V
Consumption	14 W (1000 lm), 20W (1500 lm), 29W (2000 lm)
Connector	Built-in DT 2 ways, Built-in AMP 2 ways
Load Dump	36V continuous/ ISO 7637-2 Pulse 5a
Polarity	Protected against reverse voltage
Vibration resistance	15Grms, from 24Hz to 2000Hz
IP protection	IP68 - IP 69K
EMC	ISO 13766 - ISO 14982 - ISO 12985 - CISPR25 Class 5
Salt Spray Test	ISO 9227
Shock	60G
Operating temperatures	-40°C to +85°C
Mounting	Pedestal or suspended

ABL LED COMPACT WORK LIGHTS RANGE



OE Original



TECHNICAL CHARACTERISTICS

Voltage	Multi-voltage 12-24V
Consumption	14 W (1000 lm), 20W (1500 lm), 29W (2000 lm)
Connector	Built-in DT 2 ways, Built-in AMP 2 ways
Load Dump	36V continuous/ ISO 7637-2 Pulse 5a
Polarity	Protected against reverse voltage
Vibration resistance	15Grms, from 24Hz to 2000Hz
IP protection	IP68 - IP 69K
EMC	ISO 13766 - ISO 14982 - ISO 12985 - CISPR25 Class 5
Salt Spray Test	ISO 9227
Shock	60G
Operating temperatures	-40°C to +85°C
Mounting	Pedestal or suspended

CL2 LED - R149 combination headlight for industrial vehicles and forklifts



Key Benefits

- Best-in-Class Low Beam Performance
- Exceptional Visual Comfort: Superior lighting in terms of coverage, relevance of illuminated areas, and beam uniformity.
- Compliant with ECE R149
- Electro-magnetic compatibility CISPR25 Class 5
- Easy height adjustment with the mounting bracket (See it for yourself!)
- Compact and Modern Design

**NEW
DESIGN**



Watch video on
YouTube

TECHNICAL CHARACTERISTICS

Voltage	Multi-voltage 10-36V
Consumption at 24V	13 W Low beam, 4W Turn indicator, 0,4 W @ 12 V / 1,1 W @24V position light.
Functions	Low beam (ECE R149) + improvement for short range light, Turn indicator (R148), Position light (R148)
Connector	4 way FEP connector
Load Dump	36V continuous/ 58V 300ms/ 1800V 50µs
Polarity	Protected against reverse voltage
Vibration resistance	5Grms, from 15Hz to 500Hz
Electronic Thermal Management	Protected against overheating
IP protection	IP68 - IP 69K
EMC	ISO 13766 - ISO 14982 - ISO 12985 - CISPR25 class 5
Approval	ECE R148 - ECE R149
Salt Spray Test	240 h
Shock	60G
Dimensions	164 x 107 x 118
Mounting	Rear



HEADLIGHT

CHL2 LED - homologated combination headlight

ABL



The CHL2 LED is the whole new ABL High-Low Beam combination Headlight from VIGNAL GROUP.

The products offers better output, improved photometry while introducing a unique feature, the active and autonomous de-icing !

Active de-icing allows the CHL2 LED to automatically detect the presence of frost/snow (by measuring the lens temperature) and activate the de-icing resistance to turn it off once the frost/snow has been removed.

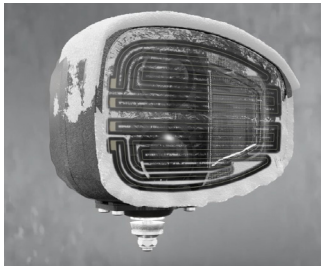
In addition, the EMC has been upgraded to CISPR 25 Class 5 and the CHL2 LED is available in ECE and SAE version.

CHL2 LED is a pre-assembled ready to be installed which reduces installation time for OEM and aftermarket.

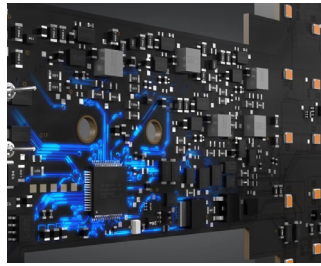
CHL2 LED is a plug and play, allowing the easy upgrade from Halogen or CHL1 LED version (same overall dimensions, mounting and connector pinout).

Highlights:

DE-ICING



CISPR25 CLASS 5



DRL

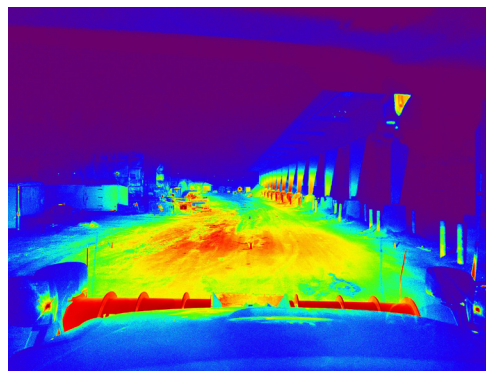
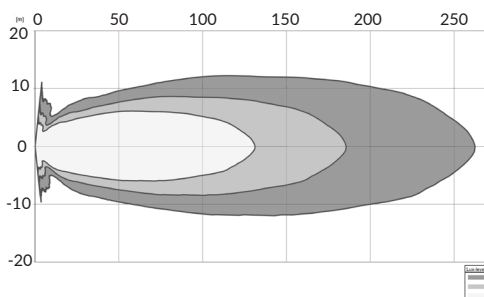


PLUG and PLAY

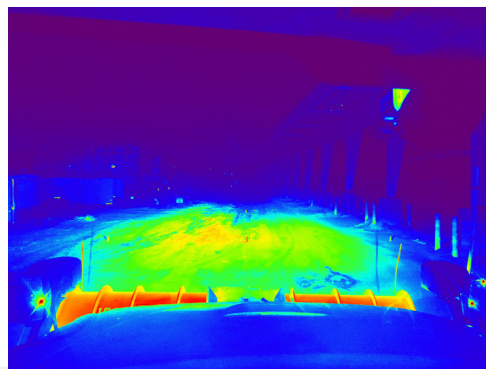
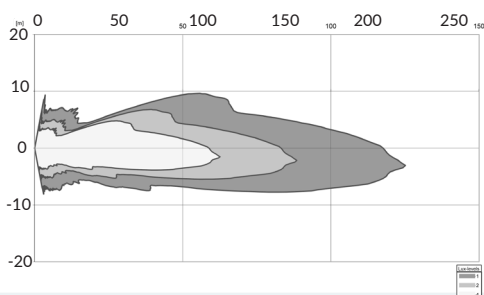


OUTSTANDING LIGHT PERFORMANCE - EXTRA WIDE ANGLE

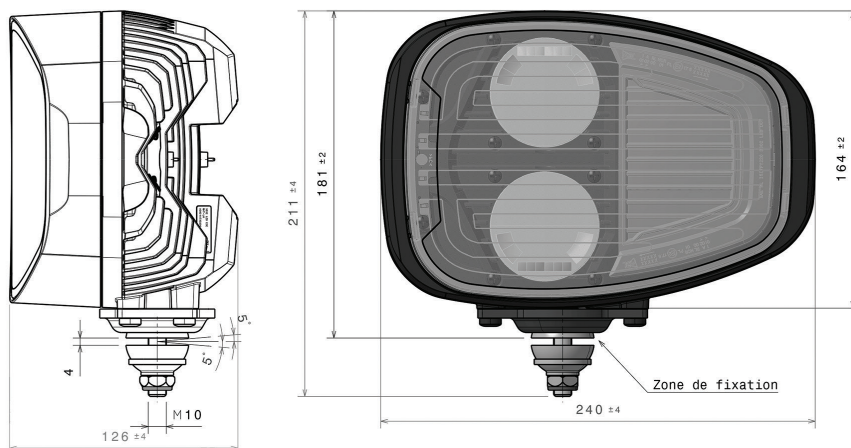
HIGH BEAM



LOW BEAM



CHL2 LED - homologated combination headlight



Watch video on
 YouTube



TECHNICAL CHARACTERISTICS

Voltage	Multi-voltage 12-24V
Consumption at 24V	Low beam 30 W / Low beam + De-icing 50 W / High beam 60 W / High beam + De-icing 80 W / Turn indicator 16 W / Position light 5 W / DRL 16 W
Functions	Low Beam / High Beam / Turning indicator & repetitor / Position light / DRL / Active de-icing
Lens material	Polycarbonate - builtin thermal de-icing
Connector	DT 6 pin (plug & play with previous H4 & LED version)
Load Dump	36V continuous/ 58V 300ms/ 1800V 50µs
Polarity	Protected against reverse voltage
Vibration resistance	15Grms, from 24Hz to 2000Hz
Electronic Thermal Management	Protected against overheating
IP protection	IP68 - IP 69K
EMC	ISO 13766 - ISO 14982 - ISO 12985 - CISPR25 class 5
Approval	SAE dot - ECE right hand traffic - ECE left hand traffic
Salt Spray Test	ISO 9227
Shock	60G
Operating temperatures	-40°C to +85°C
Mounting	Pedestal, rear
Warranty	5 years

SAFETY LIGHTS

SAFETY STATIC PROJECTION MODULE WARNING SIGNAL

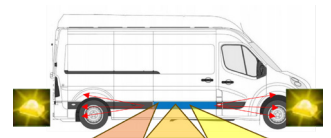
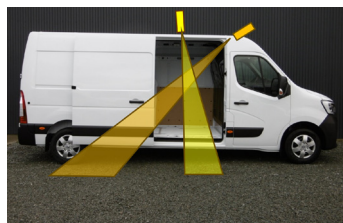
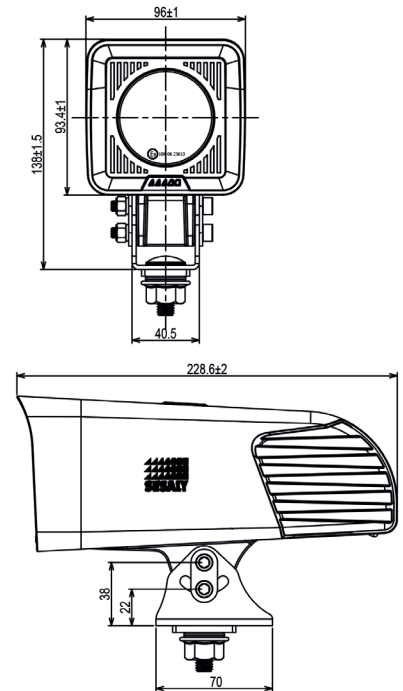


SESALY proudly presents Safety Static, the ultimate warning light solution designed to elevate safety standards in material handling and industrial environments.

Powered by advanced technology, it ensures maximum visibility and alerts operators and pedestrians alike. The projection module illuminates the floor with a warning sign which allows road users to be warned in time for an increased safety environment.

TECHNICAL CHARACTERISTICS

Voltage	10/30V
Function	Image projector / line projector / Long range and short range warning without drop shadow
Consumption	28W
Housing material	Aluminum
Cable lengths	1000 mm
IP protection	IP67 - IP69K
Operating t°	-20°C to +50°C
Approvals	ECE R10 (EMC), ECE R118 (Fire smoke) compliant
Options	Other icons, other connectors



LIGHTING

SESA MOONLIGHT - White LED outdoor side flood light

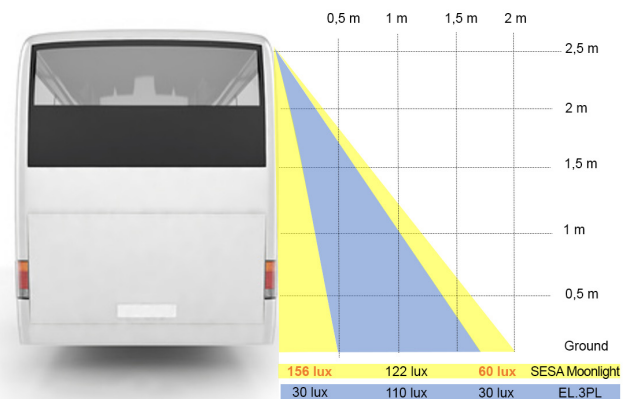
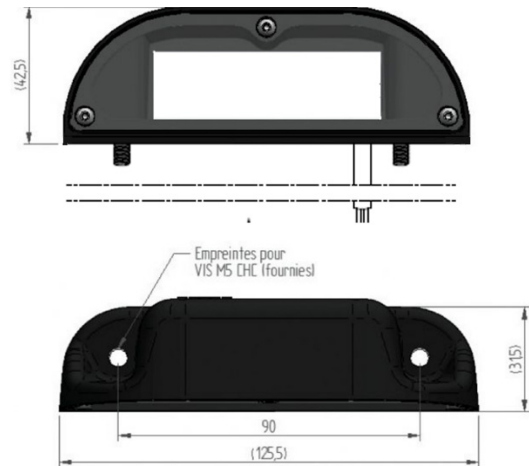


- MOO.SIV.W
- MOO.SIV.R

- White LED light for **outdoor side floodlight** to be **installed in place of EL.3PL**
- Made to **secure boarding arrangements areas**, or **side working areas** on the outskirts of vehicles and insure **service doors lighting**
- Ultra luminous: **x2.3 lumen compared to EL.3PL** and wider light distribution
- Economic and robust
- Only 1 reference for left and right installation
- Lifetime longer than 16 500 hours at 70% of the initial mission profile

TECHNICAL CHARACTERISTICS

Voltage	12/24V
Colour t°	For white version (Kelvin): 4500
Consumption	15W (white version), 1W (red version)
Housing material	black epoxy powder painted aluminum housing
Light patterns	Flood
Polarity	Protected against reverse voltage
IP protection	IP69K
Operating t°	-40°C to +80°C
Approvals	ECE R10 (EMC), ECE R118 (Fire smoke) compliant



SESA Zenith - Range of LED ceiling lights for commercial vehicles



LED interior ceiling lights for vehicles

A full range of 8 models :

round 130 mm (1) ; tilted (2) and flat model in 3 lengths (3 à 8)

3 functions : without switch, with switch and with automatic infrared detection sensor

Design : modern, sleek, ultra-compact

Material : PC

LED color : white

Easy installation : to be screwed

Guarantee (years) : 2

TECHNICAL CHARACTERISTICS

	1	2	3	4	5	6	7	8
SESALY reference	SM 9111.130.1	SM 9105.300.2	SM 9104.160.1	SM 9104.300.1	SM 9104.300.2	SM 9104.300.3	SM 9104.600.1	SM 9104.600.2
Dimensions L x W x H (mm)	ø130 x H12	300 x 60 x 34	160 x 54 x 12	300 x 54 x 12	300 x 54 x 12	300 x 54 x 12	600 x 54 x 12	600 x 54 x 12
Function	Without switch	Inclined, Tactile Switch	Without switch	Without switch	Tactile Switch	Infrared detector	Without switch	Tactile Switch
Max power (Watt)	18.2	12	4.4	11.6	11.6	11.6	26.8	26.8
LED power (Watt)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
LED number	91	60	22	58	58	58	134	134
IP Electronic	67	67	67	67	67	67	67	67
Color temperature (K)	5800-6250	3800-4250	3800-4250	3800-4250	3800-4250	3800-4250	3800-4250	3800-4250
Lumen (Lm)	650	300	150	500	500	500	800	800
Consumption (W)	9.3	8.2	3.5	10.3	10.5	10.5	15	15.2
Weight (gr)	140	425	133	275	275	275	550	550
Required tightening torque (Nm)	1.15 +/-20%	1.15 +/-20%	2.65 +/-20%	1.15 +/-20%	1.15 +/-20%	1.15 +/-20%	1.15 +/-20%	1.15 +/-20%
Cable length provided (cm)	22	22	22	22	22	22	22	22
Voltage (Vdc)	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16
Operating temperature range (°C)	-20 à +80	-20 à +80	-20 à +80	-20 à +80	-20 à +80	-20 à +80	-20 à +80	-20 à +80

SESA Tunes Advanced AVAS and multi-function audible solution



AVAS SOUND
+
Reverse alarm
+
Gong urban
sound

- Multifunction : **AVAS sound for electric or hybrid vehicles (R138 - FMVSS-141)**, reverse alarm and gong urban sound
- Integrated AVAS Sesaly sound with adjustable sound level according to ECE R138 and FMVSS-141
- Gong: 97 to 100 dB ext. at 1 meter
- Very easy programming of sound levels with SESALY software



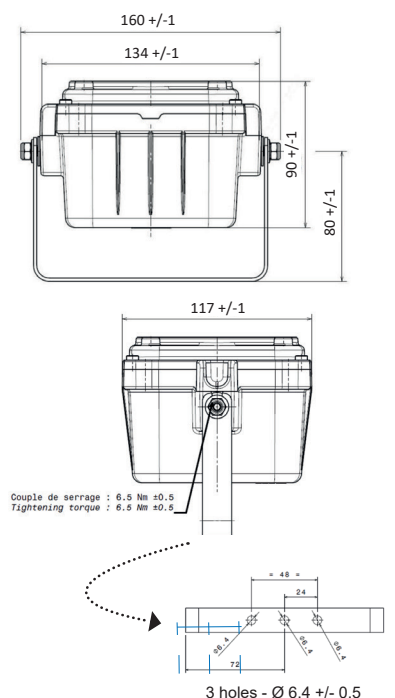
FUNCTIONS



1. AVAS sound for electric or hybrids vehicles	
Emission or inhibition of idle sound	0 km/h
Sound emission	Between 1 and 4 km/h
Speed-dependent sound emission (R138 requirement)	Between 5 and 20 km/h
2. SESALY reverse alarm	
	97 dB ext. at 1 meter
3. Urban warning gong	
	100 dB ext. at 1 meter

TECHNICAL CHARACTERISTICS

Reference	STA.12.00.XXX.Y
Voltage	12 or 24V according to ISO 16 750-2
AVAS sound level	Adjustable for compliance with R138 regulations
Material	Polycarbonate
CAN	2.0A & 2.0B - J1939 - ISO 11 898-2 - 20kBits at 1000 Kbits
Connector	DEUTSCH 8 poles (supply, CAN, audio outputs)
IP protection	IP56 - base assembly IP64 - Speaker
T° of use	-30°C to +70°C
Certifications	SESALY sound signature in compliance with the regulation UN ECE-R138 and US FMVSS-141
Approvals	E2*10R06/00*19305*00 (EMC), ECE R118 (fire and smoke), EN 16750-3 Code K (vibrations and shocks)
Poids	0,64 kg
MTBF	>75 600 heures (18h/J/335J/an à 25°C)



REFLECTIVE SIGNALLING

Approved reflective signalling

50 m x 50,8 mm



Rigid support - Auf Festaufbauten

E₁₃

104R-0001



D12713



D12715



D12714

E₁

104R



D16087



D16086



D16088



423 x 423 x 1 mm

NEW



D16031
(76RE50)

Cl. A: ->80m

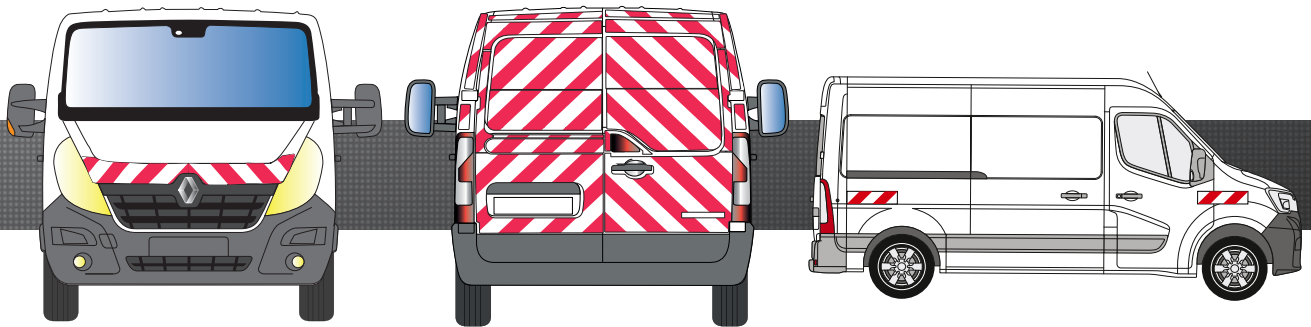
282 x 282 x 1 mm

NEW



D16032
(76RE56)

Cl. B: ->250m



Approved - Durable - Visible at least 80m - Easy to install
Zugelassen - Langlebig - Sichtbar aus mindestens 80m Entfernung - Einfach zu verlegen

LED BARLIGHT - BL15-CTL15



Dynamic indicators - flashing warning lights



Work light 1200 Lumen

Stop and position



- 100% LED light : no maintenance
- 1200 Lumen
- Safety : high visibility clearance signalling scrolling towards the outside
- Night comfort : lighting extends beyond the work area
- Rear or front Fixation
- Tension : 24V
- Homologated ECE - EMC

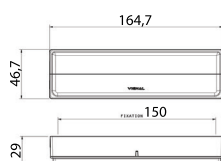


REAR FIXATION (Chereau)



164000 : CTL15

164010 : CTL15 to connect on BL15



165020 : BL15 left

165030 : BL15 right

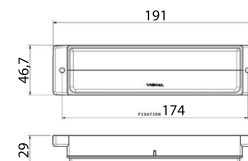


FRONT FIXATION



164020 : CTL15

164030 : CTL15 to connect on BL15



165040 : BL15 left

165050 : BL15right



A14420 - COMPLETE KIT :
Right and left lights + wiring

MESSAGE PANELS

SESA SIGN AND DISPLAY - LED panels with variable messages



Product key benefits :

- Improves messages visibility and communication owing to colours and shapes
- A complete range: 3 models depending on your vehicles and your communication targets
- 1 high luminosity coupled to a day/night detection cell
- Messages programming & reprogramming up to 999 lighting messages
- Messages automation: automatic messages power up .

A luminous message display installed on the outside of the vehicle



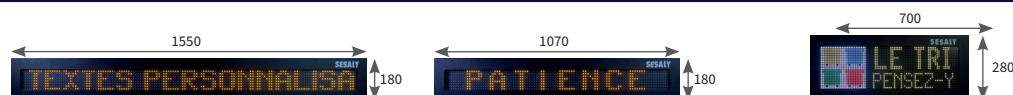
A message control system with 4 analog inputs that can be controlled via switches or control units

Message renewal thanks to the DC 600 charging unit used in the cabin for occasional updates



SESA SIGN AND DISPLAY - LED panels with variable messages

TECHNICAL DATA SPECIFIC TO THE 3 DISPLAYS :



Model	Amber long	Amber compact	RGBW Premium
Reference	SSD.144.8.OR	SSD.96.8.OR	SSD.80.24.RGB
LED	Amber	Amber	RGBW
Zone dimensions (mm)	1463 x 81,3	975,4 x 81,3	609,6 x 182,9
Housing dimensions (mm)	1550 x 180 x 67,8	1070 x 180 x 67,8	700 x 280 x 67,5
Weight(Kg)	9,1	6,5	5,9
Fixing method: side brackets only	Optional	Optional	Optional
Standard message settings	<ul style="list-style-type: none"> • Sweep alternating with Danger + 4 scrolling chevrons • Collection / Danger alternating with 4 scrolling squares • 30 KM/H / Danger alternating with 4 scrolling squares • Collecte / Danger en alternance avec 8 chevrons défilants 	<ul style="list-style-type: none"> • Sweep / Danger (alternating) • Collection / Danger (alternating) • 30KM/H / Danger (alternating) • Patience / Sweep (alternating) • Patience / Collection (alternating) • Slow vehicle • Patience / Washing • Caution / Collection (alternating) • Garbage / Recycling (alternating) • Orange (flashing) 	To customize (consult us)

TECHNICAL DATA COMMON TO ALL DISPLAYS:

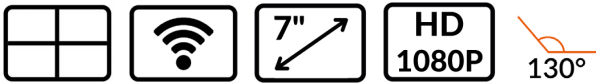
Voltage	12/24 (9/32)
Brightness	Automatically adjusts display brightness to suit ambient conditions, thanks to a light sensor.
Luminous power (cd/m2)	5000
Lens material	Polycarbonate
Housing material	Epoxy-painted aluminum RAL 9005
Operating T°	-20°C to +45°C
Electric protection	Resistant to reverse polarity and overvoltage
IP protection	IP66
Texts	Pre-programmed, can be activated automatically via vehicle interface or manually using buttons or a control unit
Control	Message control via 4 +-activated inputs
Approval	ECE-R10 (CEM)

Charging unit DC600 :

Voltage	12/24 (ISO 16750) by wire
Dimensions (mm)	Front panel : 192 x 62 x 26 Box (DIN ISO 7736) : 178 x 50
Screen	Transflective LCD Resolution 122 x 32 pixels



Wireless HD system 2.4GHZ with multi-display 7" screen



Discover the D16044 camera kit, our latest-generation wireless system. Designed to meet the demands of professionals, this kit offers exceptional performance:

- HD 1080P camera
- 300 m transmissions distance!
- 130° camera angle
- Easy installation
- Automatic pairing
- Multi-mode split screen

D16044 : Wireless HD camera system

TECHNICAL CHARACTERISTICS

LCD 7" color multi-display monitor

- High resolution display 1024 x 3 (RGB) x 600
- 4 cameras expandable
- Recording via micro SD card (not supplied)
- Automatic pairing with a unique code
- 12 / 24 Volts
- Time delay : 200 ms
- 4 languages available: French, English, German, Chinese
- Picture image adjustable for horizontal, vertical, mirror, normal viewing
- System PAL/NTSC
- Reverse distance grid
- Use between -20°C and +70°C

Monitor: D16055

CMOS HD 1080P wireless camera

- 12 / 24 Volts
- Waterproof camera (IP69K)
- Micro integrated
- Night vision: 10 m (4 infrared leds)
- Max distance with monitor : 300 m
- Vision angle: 130°
- Use between -20°C and +70°C

Camera: D16045

Antenna spare part: D14326

Option Antenna 7m cable: D14063

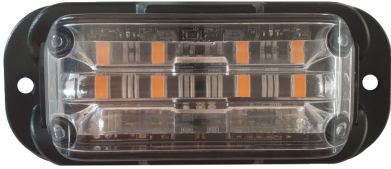
Option 1080P wireless magnetic and re-chargeable camera : D16046

Recording time:

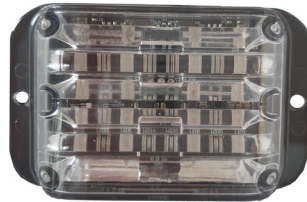
MODE \ Micro SD	16G	32G	64G	128G
SINGLE	≈ 15h	≈ 30h	≈ 60h	≈ 120h
QUAD	≈ 17h	≈ 34h	≈ 68h	≈ 136h
SPLIT	≈ 18h	≈ 36h	≈ 72h	≈ 144h



SESA PULSAR LED -directional light



Class 1 ● D16004 - SPU.OR
● D16005 - SPU.B

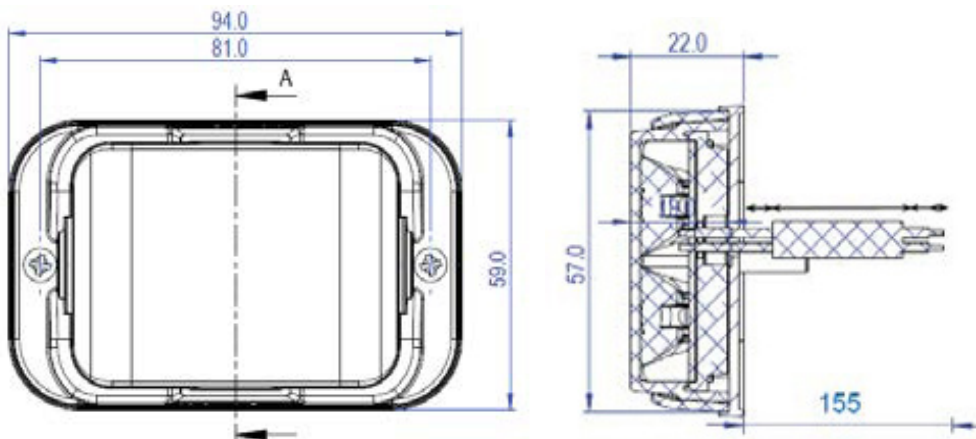
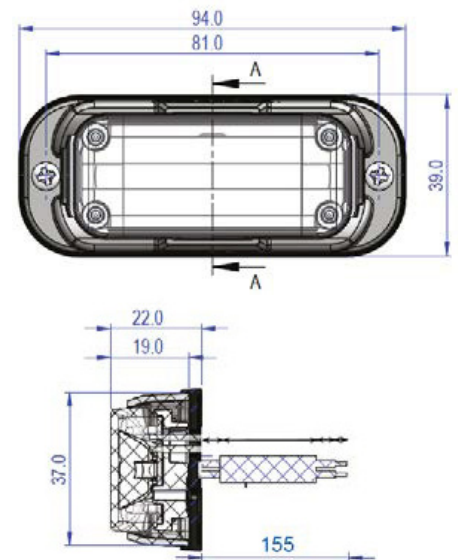


Class 2 ● D16018 - DSPUXL.OR
● D16017 - SPUXL.B
● SPUXL.DC

- 12/24Vdc LED directional light visible at 180°.
- Extra flat & ultra light design
- Robust and waterproof
- 3 colors: orange, blue and dualcolor (orange & blue)
- 4 ECE R65 approved flash modes

TECHNICAL CHARACTERISTICS

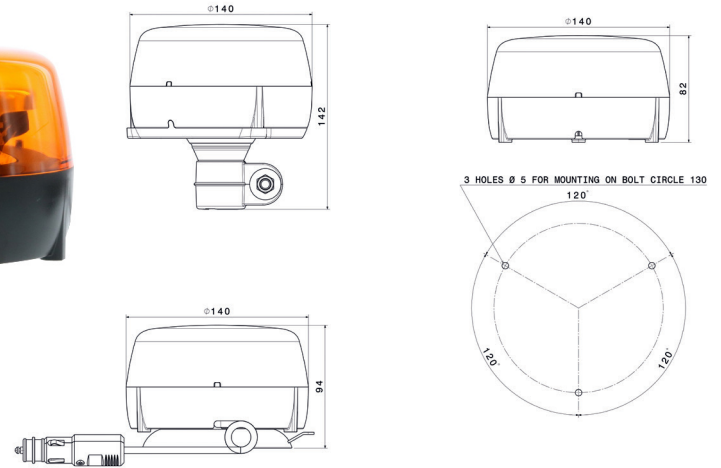
Voltage	12/24V
LED colour	Class 1 amber, blue / Class 2 amber, blue, dual colour A/B
Lens material	Polycarbonate
Housing material	Aluminium
Light patterns	4 lights patterns : 120 flash/minutes, 120 double flash/min, 120 quad flash/min, steady cruise mode
IP protection	IP69K
Operating t°	-30°C to +50°C
Approvals	ECE R10 (EMC, CISPR25 class 3), ECE R65 CL1 or CL2
Dimensions	94 L x 39 H x 22 D mm or 94 L x 59 H x 22 D mm



ATLAS LED



The ATLAS LED beacon meets the high requirements of the manufacturer's specifications. Special attention has been paid to the thermal management of LEDs to ensure optimum service life and operation in the most extreme situations.



TECHNICAL CHARACTERISTICS

Fixation	3 points on Ø 130 mm - Pole mounting (DIN 14620) - Magnetic + suction cup
Voltage	Multi-voltage 9-32 VDC
LED lifetime	> 50.000 hours
Lens colour	Amber, green, red
Lens material	Polycarbonate
Flash patterns	Different flash pattern : rotating or double flash
IP protection	IP69K (ISO 20653)
Vibration	Mechanical loads and shocks ISO 16750-3
Operation t°	-40°C to +80°C
Approvals	ECE R65 (TA1 or TB1), ECE R10, SAE CLASS 2
EMC level	CISPR25 Class 3 or 5 optional
Polarity inversion	Protected against polarity inversion
Consumption	Rotating : 8,5W at 28,5V - Flashing : 17W at 28,5V
Weight	Magn : 0,780 kg - Pole : 0,550 kg - 3 points : 0,450 kg





E-VENUS

LED beacon



Introducing our new eco-friendly range E-SYSTEM :

- Reduce your carbon footprint
- Over 80% recycled plastic
- Energy-efficient LED technology
- Smaller PCB to minimize environmental impact
- And still a high-performant beacon to enhance your safety and visibility!

TECHNICAL CHARACTERISTICS

Fixation	3 points on Ø 130 mm - Flexible or rigid pole mounting (DIN 14620) - Magnetic + suction cup - 1 central point Ø 12 mm
Voltage	Multi-voltage 10-30 VDC
LED lifetime	> 40.000 hours
Lens colour	Amber
Lens material	Polycarbonate
Flash patterns	Double flash
IP protection	IP54
Operation t°	-30°C to +50°C
Approvals	ECE R65 CAT 1, ECE R10
EMC level	R10
Polarity inversion	Protected against polarity inversion
Consumption	17W max - 7W average
Weight	Magn : 0,750 kg - Pole : 0,450 kg - 3 points : 0,450 kg - 1 point : 0,480 kg

STELLAR - extra-flat LED lightbar



Benefits :

- R65 approved light performance
- Extra flat and aerodynamic design
- Best in class manufacturer quality
- Ultra robust polycarbonate

The STELLAR lightbar completes our range of lighting products for your safety. **R65 and SAE approved**, it is perfectly adapted to the amber/orange safety markets. Available in 4 different lengths, the STELLAR is composed of several powerful amber flash modules. Variations can include Stop/Position/Direction Indicator lights, rear and/or alley work lights, traffic master...

Watch video on
YouTube



TECHNICAL CHARACTERISTICS

Dimensions	280 mm (width), 950 - 1250 - 1550 - 1850 mm (length), 124,5 mm / 75 mm (height with/without support)
Voltage	10/36 VDC
LED colours	Ambre
Lens colour	Transparent
Cover colour	Grey
Material	Polycarbonate lens and body - Aluminum chassis
Connector	5 m bare cable (right side of the vehicle)
IP protection	IP6K9K
Vibration	Mechanical and shocks ISO 16750-3
Operating T°	-30°C to +60°C
Approvals	ECE R65 (TA1 or TB1), SAE Class 1 Amber
EMC level	ECE R10 --> CISPR25 Class 3
Warranty	3 years
Applications	Recovery vehicles, maintenance and intervention vehicles, garbage trucks, exceptional convoy trucks, agricultural convoys, municipals, sweepers...
Remote	Optional control unit on request

STELLAR - extra-flat LED lightbar



360° visibility



Side module

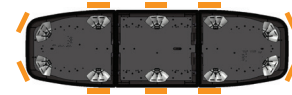


Compact

STANDARD RANGE

P/N	Length	Designation	Description
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D23301	955 mm	95A-R65	R65 amber
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D23300	955 mm	95A-OPAL	R65 amber Opaque central illumination for lettering
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D23401	1250 mm	125A-R65	R65 amber
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D23400	1250 mm	125A-OPAL	R65 amber Opaque central illumination for lettering
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D23501	1550 mm	155A-R65	R65 amber
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D23513	1550 mm	155A-R65-STIALWLFRONT	R65 amber Stop/Position/Direction indicator Front work lights Alley lights
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ATLASSINO

Compact and
longlife LED
beacon



diam 90 mm



Introducing our new compact and cost effective beacon ATLASSINO :

- 9 cm diameter - adapts to all vehicles
- smart design : less components for less consumption
- TIR molded optics
- Heavy duty - longlife beacon

TECHNICAL CHARACTERISTICS

Fixation	3 points on Ø 102 mm - Rigid pole mounting (DIN 14620) - Magnetic + suction cup - 1 central point Ø 12 or 24 mm
Voltage	Multi-voltage 109-32 VDC
LED lifetime	> 60.000 hours
Lens colour	Amber, blue, red, green or white
Lens material	Polycarbonate
Flash patterns	Double flash
IP protection	IP6K9K (ISO 20653) / IK08 (Shocks)
Operation t°	-40°C to +80°C
Approvals	ECE R65 (TA1 or TB1); ECE R10; SAE Class 1 & Class 2
EMC level	ECE R10 & CISPR Class 5
Polarity inversion	Protected against polarity inversion
Consumption	16W max - 7W average
Dimensions	Pole : 90x107 mm - 3 points : 120x45 mm - 1 point : 90x43 mm
Weight	Pole : 0,220 kg - 3 points : 0,175 kg - 1 point : 0,175 kg

