



Product special

Light special



TVH PARTS NV • PARTS & ACCESSORIES DIVISION

Brabantstraat 15 • BE-8790 Waregem

T +32 56 43 42 11 • F +32 56 43 44 88 • parts@tvh.com • www.tvh.com

SAFETY LIGHTS	3
WARNING LIGHTS	4
LED	4
WORK LIGHTS	5-12
Halogen	5-6
Xenon/HID	7
LED	7-12
STROBE LIGHTS	13-19
Xenon/HID	13-16
LED	17-19
DRIVING LIGHTS	20
COMBINATION LIGHTS - LED	21
REAR LIGHTS	22-25
LED	24-25
HANDHELD WORK LAMPS & TORCH LIGHTS	26-28
LED	26-27
Xenon/HID	28
NICE TO KNOW	29-31

© November 2013 TVH Group NV, Brabantstraat 15, B-8790 Waregem.

All rights reserved. No part of this catalogue may be reproduced or communicated in any form or by any means, electronic or mechanical, including copying, recording or use in an information storage or retrieval system, without prior and explicit permission of TVH Group NV • TVH is a supplier of after-market spare parts and accessories that are suitable for the maintenance and repair of OEM-equipment. OEM references and brands are purely indicative and do not imply that the accessories and/or spare parts are coming from the original equipment or parts manufacturer.

• Products that do not comply with regulatory requirements concerning CE conformity are not placed on the market in the European Economic Area. • TVH® and TotalSource® are registered trademarks of TVH Group NV • All sales are subject to the general terms & conditions of sale on www.tvh.com/avv • Photographs and illustrations are included for reference purposes only. Printing errors reserved.

BLUE SAFETY LIGHT

REF 140TA2243

- 12-48 V
- Visual driving path warning device
- Projects a blue spot onto the floor a few meters ahead in the direction of travel
- Consists of two energy-efficient, very bright and long-lasting LED lights
- To be mounted to the top of the cab
- Back-up alarm with light instead of sound
- IP67



RED SAFETY LIGHT

NEW

REF 141TA6748

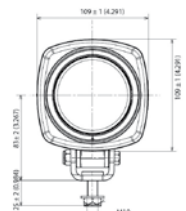
- 12-48 V
- Visual driving path warning device
- Projects a red spot onto the floor a few meters ahead in the direction of travel
- Consists of two energy-efficient, very bright and long-lasting LED lights
- To be mounted to the top of the cab
- Back-up alarm with light instead of sound
- IP67



BLUE SAFETY LIGHT

REF 141TA6749

- 12-100 V
- Visual proximity warning signal
- Projects a blue spot on the floor, a couple of metres in front or behind the machine, depending on where it was installed
- Consists of an energy-efficient, extremely bright and durable LED light
- Fitted to the top of the cab
- Back-up alarm with visual instead of acoustic signal
- IP68 - IP69K



MAGNETIC RECHARGEABLE LED WARNING LIGHT

REF 141TA7068

- Height: 34 mm
- Diameter: 106,50 mm
- 9 different flashing patterns
- Shock-resistant
- Magnetic
- Water-resistant
- With universal charger

TOTALSOURCE®



These lights can quickly and easily be deployed in case of:

- Works on and along the road
- Vehicle breakdown
- Loading and unloading of a vehicle
- Events

Also available in a case of 6 pieces

REF 141TA7069



HALOGEN WORK LIGHT

Rectangular work light

REF 105TA4559 – Work light supplied without bulb

REF 103TA4525 – Bulb H3 12 V/55 W

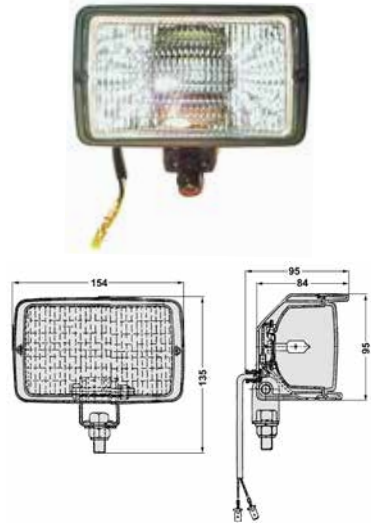
REF 103TA4526 – Bulb H3 24 V/70 W

REF 103TA4673 – Bulb H3 36 V/45 W

REF 103TA4674 – Bulb H3 48 V/45 W

REF 103TA4675 – Bulb H3 80 V/55 W

- Black nylon housing
- Lens: glass
- Adjustable mounting bracket
- Reflector: aluminized steel with varnished finish



HALOGEN WORK LIGHT

Square work light

REF 105TA4558 – Work light supplied without bulb

REF 103TA4525 – Bulb H3 12 V/55 W

REF 103TA4526 – Bulb H3 24 V/70 W

REF 103TA4673 – Bulb H3 36 V/45 W

REF 103TA4674 – Bulb H3 48 V/45 W

REF 103TA4675 – Bulb H3 80 V/55 W

- Black nylon housing
- Lens: glass
- Adjustable mounting bracket
- Reflector: aluminized steel with varnished finish



HALOGEN WORK LIGHT



Rectangular work light

REF 105TA4884 – Work light supplied without bulb

REF 103TA4525 – Bulb H3 12 V/55 W

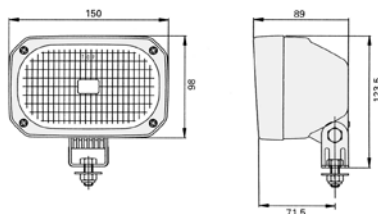
REF 103TA4526 – Bulb H3 24 V/70 W

REF 103TA4673 – Bulb H3 36 V/45 W

REF 103TA4674 – Bulb H3 48 V/45 W

REF 103TA4675 – Bulb H3 80 V/55 W

- Black nylon housing
- Lens: hardened glass
- Pedestal mount
- Universal mount with vibration damper



HALOGEN WORK LIGHT



Square work light

REF 107TA1138 – Work light supplied without bulb

REF 103TA4525 – Bulb H3 12 V/55 W

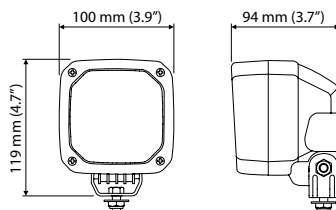
REF 103TA4526 – Bulb H3 24 V/70 W

REF 103TA4673 – Bulb H3 36 V/45 W

REF 103TA4674 – Bulb H3 48 V/45 W

REF 103TA4675 – Bulb H3 80 V/55 W

- Fibreglass charged plastic housing
- Lens: hardened glass
- Universal mount with vibration damper
- Reflector: aluminium with active optics technology
- Lamp with integrated AMP 2-pin connector



XENON HID WORK LIGHT

REF 135TA3328

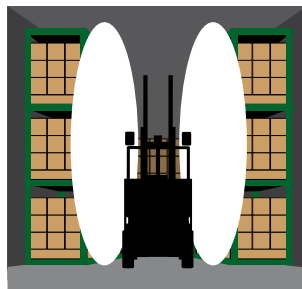
- 12-24 V
- High-impact nylon housing
- Innovated vibration-free mount: stainless steel mounting bracket with rubber cushion
- HID-xenon 35 W bulb
- Internal ballast/igniter unit



LED WORK LIGHT

REF 141TA7077

- 12-48 V
- 24 W
- Polycarbonate lens
- Dimensions (L x W x H): 102 x 170 x 33 mm
- LED technology: 12 LED's
- 750 lumen
- Developed for warehouses with high racks



LED WORK LIGHT

REF 131TA8901

Square LED light 12-48 V

REF 141TA7047

Square LED light 12-80 V

REF 131TA8900

Round LED light 12-48 V

REF 141TA7048

Round LED light 12-80 V

- Polymer front housing and die coating aluminium rear housing
- Clear polycarbonate lens
- Light output: 450 lumen
- Nominal power: 8,5 W
- Current draw: 0,9 A at 12 V/0,3 A at 48 V
- Versatile M12 single-bolt mounting system
- 4 pieces of 3 W high-powered LED
- IP66
- Operating temperature: -20 °C to 60 °C



Illuminator®

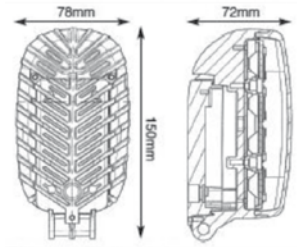


LED WORK LIGHT



REF 140TA8785

- 12-80 V
- 8 W
- LED: 8 pieces
- Light output: 800 lumen
- Aluminium housing
- Lens: plastic
- 300 mm harness
- IP67
- Current draw: 1,2 A at 12 V
- Operating temperature: -20 °C to 60 °C



LED WORK LIGHT



REF 141TA1474

Flood beam

REF 141TA7050

Spot beam

- 9-32 V
- 15 W
- LED: 5 pieces
- Light output: 1150 lumen
- Aluminium housing
- Lens: plastic
- IP67
- 4-point bracket included
- Dimensions (L x W x H): 109,2 x 125 x 42,7 mm



LED WORK LIGHT

More
advantages
of LED lights
on p. 31!

REF 140TA8786

Flood beam

REF 141TA7051

Spot beam

- 9-32 V
- 18 W
- LED: 6 pieces
- Light output: 1350 lumen
- Aluminium housing
- Lens: plastic
- IP67
- 4-point bracket included
- Diameter: 105,5 mm



LED WORK LIGHT

More
advantages
of LED lights
on p. 31!

REF 141TA7052

Flood beam

REF 141TA7053

Spot beam

- 9-32 V
- 27 W
- LED: 9 pieces
- Light output: 1950 lumen
- Aluminium housing
- Lens: plastic
- 4-point bracket included
- Diameter: 116 mm



LED WORK LIGHT

*More
advantages
of LED lights
on p. 31!*

REF 141TA7079

Flood beam

REF 141TA7078

Spot beam

- 9-32 V
- 27 W
- LED: 9 pieces
- Light output: 1950 lumen
- Aluminium housing
- Lens: plastic
- 4-point bracket included
- Dimensions (L x W x H): 127 x 109 x 61 mm



LED WORK LIGHT

*More
advantages
of LED lights
on p. 31!*

REF 141TA7080

Flood beam

REF 141TA7081

Spot beam

- 9-60 V
- 80 W
- LED: 8 pieces
- Light output: 6720 lumen
- Aluminium housing
- Lens: plastic
- Dimensions (L x W x H): 168 x 140 x 95 mm



LED WORK LIGHT

More
advantages
of LED lights
on p. 31!

REF 141TA7082

Spot beam

- 9-32 V
- 10 W
- LED: 1 piece
- Light output: 900 lumen
- Aluminium housing
- Lens: plastic
- Dimensions (L x W x H): 50 x 50 x 69,50 mm



LED WORK LIGHT

More
advantages
of LED lights
on p. 31!

REF 141TA7083

Spot beam

- 9-32 V
- 16 W
- LED: 4 pieces
- Light output: 850 lumen
- Aluminium housing
- Lens: plastic
- Dimensions (L x W x H): 82,30 x 75 x 80,50 mm



METEORLITE ML2 XENON STROBE LIGHT

REF 141TA5270

- 12-110 VDC
- Screw-off polycarbonate lens
- Nominal power: ± 3 W
- Current draw: 0,25 A max at 12 VDC
- Flash rate: 60 ± 10 flashes/minute
- Universal vehicle mount



REF 106TA9126

Replacement flash tube

METEORLITE®

Made in USA

Look up
these parts via
PS MyProductSearch

TOTALSOURCE® XENON STROBE LIGHT

REF 105TA4867

- 12-110 VDC
- Screw-off polycarbonate lens
- Nominal power: ± 3 W
- Current draw: 0,25 A max at 12 VDC
- Flash rate: 60 ± 10 flashes/minute
- Universal vehicle mount



REF 106TA9126

Replacement flash tube

TOTALSOURCE®

ECONOMIC XENON STROBE LIGHT

REF 141TA3255

- 12-110 VDC
- Screw-off polycarbonate lens
- Nominal power: ± 3 W
- Current draw: 0,25 A max at 12 VDC
- Flash rate: 60 ± 10 flashes/minute
- Universal vehicle mount



REF 141TA1607

Replacement flash tube

ACCESSORIES

1 REF 106TA9109

Mounting bracket

2 REF 106TA9110

Protection guard

3 REF 107TA9512

3/4" pipe base kit

4 REF 106TA9112

Mounting bracket yellow

5 REF 106TA9113

Amber replacement lens



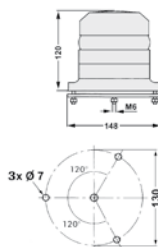
PREMIUM XENON STROBE LIGHT

REF 105TA4896

- 10-110 VDC
- Screw-off polycarbonate lens
- Nominal power: ± 5 W
- Flash rate: 75 ± 10 flashes/minute
- ABS mounting base

REF 134TA2345

Replacement flash tube



TOTALSOURCE®

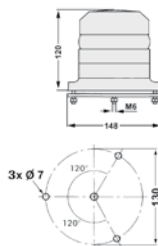
TOTALSOURCE® XENON STROBE LIGHT

REF 127TA3819

- 10-110 VDC
- Screw-off polycarbonate lens
- Nominal power: ± 5 W
- Flash rate: 75 ± 10 flashes/minute
- ABS mounting base

REF 131TA8878

Replacement flash tube



TOTALSOURCE®

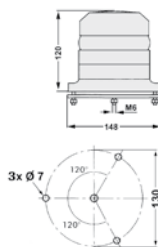
ECONOMIC XENON STROBE LIGHT

REF 141TA2242

- 10-110 VDC
- Screw-off polycarbonate lens
- Nominal power: ± 5 W
- Flash rate: 75 ± 10 flashes/minute
- ABS mounting base

REF 141TA7742

Replacement flash tube



ACCESSOIRES



REF 106TA9107

Amber lens
(Other colours on request)



REF 106TA9104

Mounting bracket



REF 106TA9106

Magnetic base



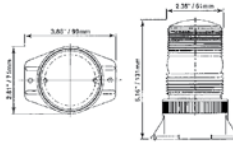
REF 106TA9105

Protection guard

METEORLITE ML5 XENON STROBE LIGHT

REF 126TA6151

- 12-80 V
- Screw-off polycarbonate lens
- Nominal power: ± 3 W
- Current draw: 0,5 A max at 12 V
- O-ring sealed for maximum waterproofing
- Epoxy-filled base



METEORLITE®

Made in USA

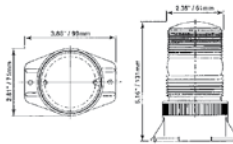
REF 126TA6121

Replacement flash tube

TOTALSOURCE® XENON STROBE LIGHT

REF 105TA4872

- 12-80 V
- Screw-off polycarbonate lens
- Nominal power: ± 3 W
- Current draw: 0,5 A max at 12 V
- O-ring sealed for maximum waterproofing
- Epoxy-filled base



TOTALSOURCE®

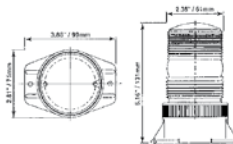
REF 127TA1040

Replacement flash tube

ECONOMIC XENON STROBE LIGHT

REF 136TA3015

- 12-80 V
- Screw-off polycarbonate lens
- Nominal power: ± 3 W
- Current draw: 0,5 A max at 12 V
- O-ring sealed for maximum waterproofing
- Epoxy-filled base



REF 141TA5269

Replacement flash tube

ACCESSORIES



REF 106TA9171

Protection guard



REF 131TA8884

Mounting bracket



REF 106TA9165

Amber replacement lens

XENON STROBE LIGHT



REF 105TA4870

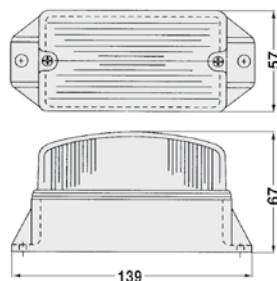
- 12-110 V
- Nominal power: ± 3 W
- Flash rate: 72 flashes/minute
- Polycarbonate lens
- Polycarbonate mounting base
- O-ring sealed for maximum waterproofing

REF 134TA2492

Replacement lens

REF 106TA9126

Replacement flash tube



TOTAL SOURCE®

TOTALSOURCE® XENON STROBE LIGHT MAGNETIC MOUNT

REF 140TA2216

- 12-110 V
- Screw-off polycarbonate lens
- Nominal power: ± 3 W

REF 106TA9113

Amber replacement lens

REF 106TA9126

Replacement flash tube



TOTAL SOURCE®

TOTALSOURCE® XENON STROBE LIGHT MAGNETIC MOUNT – "TEARDROP" SHAPE

REF 140TA8755

- 12-110 V
- Nominal power: ± 3 W

REF 106TA9126

Replacement flash tube



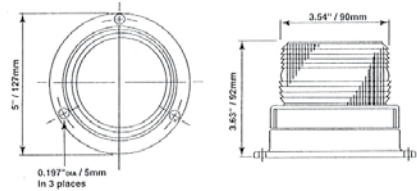
TOTAL SOURCE®

LED METEORLITE ML2 LED STROBE LIGHT

**Xenon
strobe lights
on p. 13**

REF 123TA1992

- 12-80 V
- Flash rate: 60 ± 6 flashes/minute
- Current draw: 0,1 A at 12 V
- Universal vehicle mount
- Epoxy-filled base
- IP55



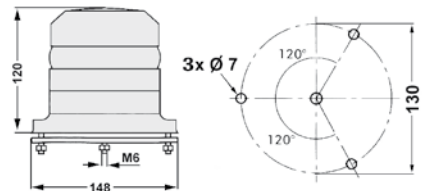
METEORLITE®
Made in USA

LED STROBE LIGHT

**Xenon
strobe lights
on p. 14**

REF 134TA2346

- 12-110 V
- Screw-off polycarbonate lens



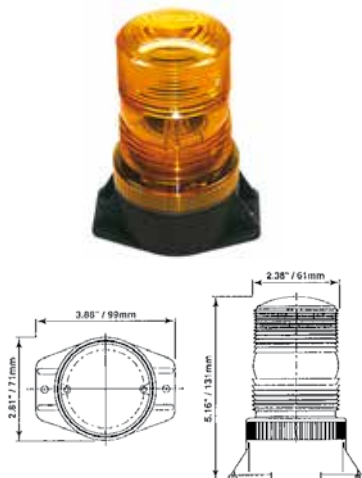
TOTAL SOURCE®

LED METEORLITE ML5 LED STROBE LIGHT

**Xenon
strobe lights
on p. 15**

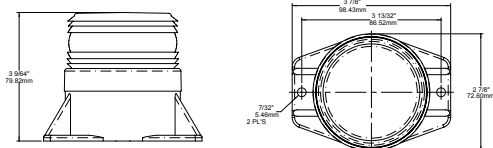
REF 123TA1991

- 12-80 V
- Flash rate: 60 ± 6 flashes/minute
- Current draw: 0,1 A at 12 V
- Epoxy-filled base
- IP65



METEORLITE®
Made in USA

LED METEORLITE ML55 LED STROBE LIGHT



REF 129TA8657

- 12-80 V
- Flash rate: 60 ± 10 flashes/minute
- Current draw: 0,1 A at 12 V
- IP66

METEORLITE®
Made in USA

LED FLASHING BEACON

E-approved

REF 141TA7085

- ECE Reg 65
- 10-30 V
- 11 flash patterns
- Polycarbonate lens
- Height: 141 mm
- Diameter foot: 170 mm
- Diameter lens: 139 mm
- 3-point fixing



LED STROBE LIGHT

- 12-48 V
- Flash rate: 65 flashes/minute

REF 139TA3229

3-point fixing

- Height: 145 mm
- Diameter foot: 152 mm
- Diameter lens: 126 mm



REF 139TA3230

Pole mount

- Height: 210 mm
- Diameter foot: 135 mm
- Diameter lens: 126 mm



REF 139TA3231

Magnetic mount

- Height: 150 mm
- Diameter foot: 166 mm
- Diameter lens: 126 mm



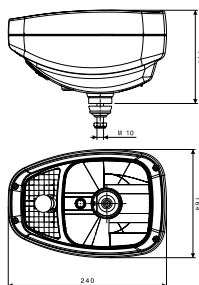
DRIVING LIGHT

E-approved

REF 131TA8894: 12 V

REF 131TA8895: 24 V

- Front combination light unit: hi/lo beam, parking light, direction indicator
- Body: PA 30% fibreglass
- Lens: bonded glass, indicator: plastic
- Reflector: free form metallized thermoplastic
- Mounting: M10 bolt
- Built-in Deutsch connector



DRIVING LIGHT

E-approved

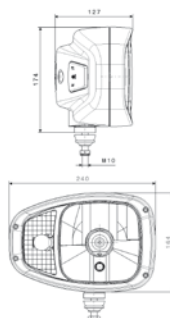
REF 131TA8896: 12 V left

REF 131TA8897: 12 V right

REF 131TA8898: 24 V left

REF 131TA8899: 24 V right

- Front combination light unit: hi/lo beam, parking light, direction indicator
- Body: PA 30% fibreglass
- Lens: bonded glass, indicator: plastic
- Reflector: free form metallized thermoplastic
- Mounting: M10 bolt
- Built-in Deutsch connector



REPLACEMENT BULBS

REF 123TA8012 – H4, 12 V, 60-55 W

REF 140TA8980 – 12 V, 21 W, amber

REF 103TA4572 – 12 V, 4 W

REF 123TA8013 – H4, 24 V, 75-70 W

REF 140TA8979 – 24 V, 21 W, amber

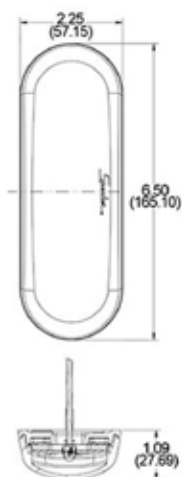
REF 106TA4840 – 24 V, 4 W



LED FRONT COMBINATION LIGHT

REF 141TA7086

- 12-48 V
- Polycarbonate lens
- Front position and indicator light
- IP67



REAR COMBINATION LIGHT

E-approved

REF 140TA8285

- Rear/indicator light supplied without bulbs
- Stop, tail, turn and license plate lamp
- Dimensions (L x W x H): 107 x 104 x 52 mm

REF 123TA7988 – Bulb 12 V, 21/5 W

REF 100TA2215 – Bulb 12 V, 21 W

REF 103TA4603 – Bulb 24 V, 21 W

REF 123TA7989 – Bulb 24 V, 21/5 W

REF 140TA8792 – Replacement lens



REAR COMBINATION LIGHT

E-approved

REF 135TA7675 – Rear light LH, supplied without bulbs

REF 135TA7676 – Rear light RH, supplied without bulbs

REF 136TA1000 – Replacement lens rear light LH

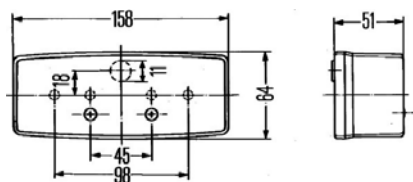
REF 136TA1001 – Replacement lens rear light RH

REF 123TA7988 – Bulb 12 V, 21/5 W

REF 100TA2215 – Bulb 12 V, 21 W

REF 106TA4875 – Bulb 24 V, 21/5 W

REF 103TA4603 – Bulb 24 V, 21 W



REAR COMBINATION LIGHT

E-approved

REF 139TA5220

- Stop, tail, turn, reverse, rear fog, reflex reflector, supplied without bulbs
- Dimensions (L x W x H): 350 x 129 x 97 mm

REF 100TA2215

Bulb 12 V, 21 W (4x)

REF 103TA4596

Bulb 12 V, 10 W (2x)

REF 103TA4603

Bulb 24 V, 21 W (4x)

REF 106TA4854

Bulb 24 V, 10 W (2x)

REF 140TA8277

Replacement lens



REAR COMBINATION LIGHT

E-approved

REF 140TA8283

- Stop, tail, turn, rear fog, reflex reflector and license plate lamp (left-hand side)

REF 140TA8284

- Stop, tail, turn, reverse and reflex reflector (right-hand side)
- 12 V bulbs included

REF 100TA2215

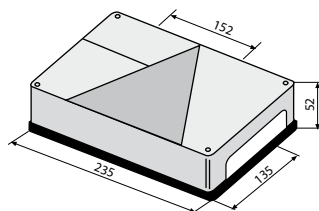
Bulb 12 V, 21 W (2x)

REF 123TA7988

Bulb 12 V, 21/5 W (1x)

REF 103TA4537

Bulb 12 V, 5 W (1x)



LED REAR COMBINATION LIGHT

Kit = 2 lights + 1 flasher

REF 122TA7699 – LED light kit 12 V

REF 122TA7700 – LED light kit 24-36 V

REF 122TA7701 – LED light kit 48 V

- Stop, tail, turn & reverse functions
- Designed for extremely long life
- Completely sealed lamp: protection from water, dust, etc.

Flasher

REF 122TA7705

Lights

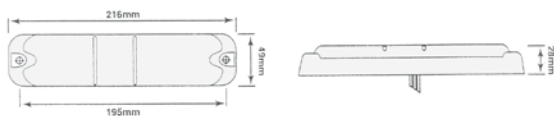
REF 122TA7702 – 12 V

REF 122TA7703 – 24-36 V

REF 122TA7704 – 48 V

REF 134TA3713 – 12 V, E-approved

REF 134TA3714 – 24 V, E-approved



LED REAR COMBINATION LIGHT

E-approved

REF 134TA3715

- Stop, tail, turn
- Bi-voltage: 12-24 V

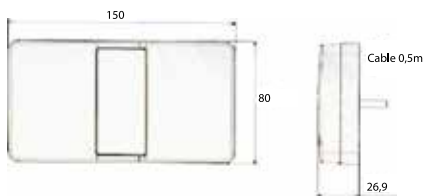
Pink relay:

REF 138TA8152

12 V

REF 138TA8153

24 V



LED REAR COMBINATION LIGHT

E-approved

REF 138TA8150

Horizontal mount

REF 138TA8151

Vertical mount

- 12-24 V
- Dimensions (L x W x H): 160 x 55 x 32 mm
- Stop, tail, turn & back-up functions

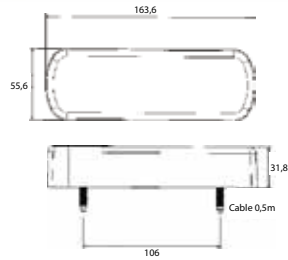
Pink relay:

REF 138TA8152

12 V

REF 138TA8153

24 V



LED REAR LIGHT

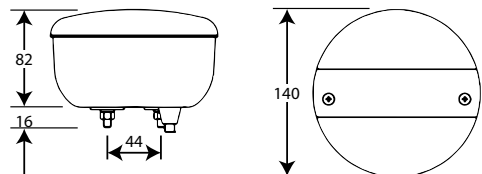
REF 141TA7084

- 24 V
- Stop/rear position + direction indicator

Pink relay:

REF 138TA8153

24 V



LED HANDHELD TORCH LIGHT

REF 139TA3251

LED handheld torch with 15° lens

- Light output: more than 170 lumen
- 3 W high-powered LED
- Aluminium housing
- 3 lighting modes: turbo/general/strobe
- Use of 3 standard AAA/LR03 batteries (batteries included)
- Waterproof to 100 m (300 ft)
- Super compact: total length 13 cm



LED HANDHELD TORCH LIGHT

REF 139TA3253

- Light output: more than 210 lumen
- 5 W high-powered LED
- Aluminium housing
- 3 lighting modes: turbo/general/strobe
- Rechargeable lithium-ion battery
- Waterproof to 100 m (300 ft)
- 15° lens
- Super compact: total length 15 cm



LED HANDHELD TORCH LIGHT

REF 139TA3254

- Light output: up to 700 lumen
- 12 W high-powered LED
- Rechargeable lithium-ion battery
- Super compact: total length: 20 cm



LED HANDHELD WORK LAMP

REF 139TA3256

60 LED handheld work lamp

- Working time: up to 4 hours on a full charge
- Recharging time: 6 to 8 hours
- With charge indicator
- With swivel hooks and charge base
- Total length: 39 cm



LED HANDHELD WORK LAMP

REF 139TA3257

30 LED handheld work lamp

- Working time: up to 4 hours on a full charge
- Recharging time: 4 to 6 hours
- With charge indicator
- With rubber surface cover
- Total length: 28,5 cm



LED HEAD LIGHT

REF 139TA3258

- 3 W CREE LED
- Light output: 160 lumen
- Black and orange housing
- Dimensions (L x W x H): 550 x 650 x 430 mm
- ABS – aluminium
- Use of 3 standard AAA/LR03 batteries (batteries included)
- 3 lighting modes: turbo/general/strobe
- Weight: 76 g
- Zoom: x 2000



LED WORK LAMP SET

REF 139TA3793

Set consists of:

REF 139TA3256: 60 LED handheld work lamp

REF 139TA3257: 30 LED handheld work lamp

REF 139TA3258: Head light



MOBILE HID SEARCH LIGHT



REF 136TA1248

- HID-xenon 35 W bulb = daylight
- Shock-resistant nylon housing
- Heat-resistant
- 14,4 V 4400 mAh Li-ion battery pack with charge and overcharge protection
- IP55
- Flood lens included
- Portable for professional applications
- Power supply automatically switches between battery or cigarette lighter
- Dimensions (L x W x H): 283 x 130 x 184 mm

LED TORCH – WARNING COMBINATION LIGHT



REF 139TA3255

- LED nominal power: 3 W
- Light output: up to 250 lumen
- Waterproof to 100 m (300 ft)
- Holder with magnetic base
- Warning, signal, back-up & emergency light
- Super compact: total length 12 cm without/19 cm with emergency cover

CE MARKING

The EU low voltage directive does not require CE marking for regular lighting products with voltages lower than 50 V AC/75 V DC:

- Strobe and rotating beacons do bear CE marking under the EU electromagnetic compatibility directive.
- Explosion-proof lighting products do bear CE marking under the EU ATEX directive.

E-APPROVAL

Approval for use as lighting + light signalling devices on the public road in the countries of the EU, as well as Australia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Japan, Malaysia, Montenegro, New Zealand, Norway, Republic of Korea, Russian Federation, Serbia, South Africa, Switzerland, Thailand, The former Yugoslav Republic of Macedonia, Tunisia, Turkey, Ukraine.

Marking in the lens: circle enclosing the letter E + a figure indicating the country issuing the type-approval for the light, and followed by the number of approval.

- Most lighting products for European forklift brands carry E-approval.
- Most lighting products for US or Japanese forklift brands do not carry E-approval.

BULBS INCLUDED OR NOT?

- Standard lighting products for European forklift brands usually do not include bulbs, unless they are equipped with the appropriate wiring and connector for the required forklift brand/model.
- Standard lighting products for US or Japanese forklift brands usually include bulbs.
- Single voltage rotating beacons include the bulb; dual or multi-voltage rotating beacons do not include the bulb.
- Xenon strobe lights include the xenon flash tube.
- LED lighting products include the LED's; the LED's are not replaceable.

IP RATINGS

IP ratings in general specify the protection of enclosures for electronic equipment from dust, solid objects and fluids. The first number refers to the protection against dust and solid objects and the second number refers to the protection against fluids and moisture.

Protection against solid objects and dust		Protection against fluids	
First Number	Description/Test	Second Number	Description/Test
0	No Protection	0	No Protection
1	Protection against solid objects over 50 mm, e.g. accidental touch by hands	1	Protected against vertically falling drops of water
2	Protected against solid objects over 12 mm, e.g. fingers	2	Protected against direct sprays of water up to 15 degrees from the vertical
3	Protected against solid objects over 2,5 mm (tools/wires)	3	Protected against sprays to 60 degrees from the vertical
4	Protected against solid objects over 1 mm (tools/wires/small wires)	4	Protected against water sprayed from all directions - limited ingress permitted
5	Protected against dust - limited ingress (no harmful deposit)	5	Protected against low pressure jets of water from all direction - limited ingress permitted
6	Totally protected against dust	6	Protected against strong jets of water, e.g. for use on ship decks - limited ingress permitted
		7	Protected against the effects of immersion between 15 cm and 1 m
		8	Protected against long periods of immersion under pressure

IP56: protected against dust (& other small particles) and against jetting water from any direction

IP66: water & dust tight & corrosion-resistant

IP67: submersible, water & dust tight & ice/sleet-resistant

IP68: dust tight and protected against long term immersion to a specified pressure of liquids

HALOGEN LIGHTS

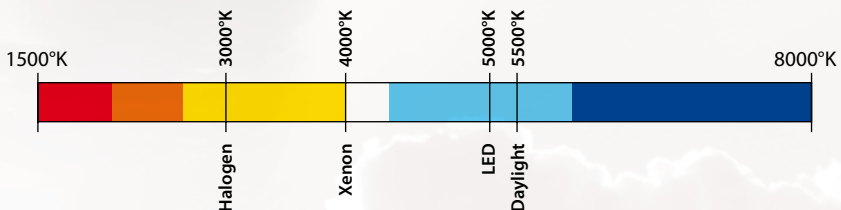
- The lifespan of a halogen bulb mainly depends on the environment and the quality of the bulb. In general, a halogen bulb is meant to last ± 500 hours.
- Light output:
12 V 55 W: 1450 theoretical lumen,
24 V 70 W: 1750 theoretical lumen
- Advantageous price
- Bulbs can easily be replaced
- Colour temperature is around 3000 Kelvin

HID – XENON LIGHTS

- Longer lifespan than halogen bulbs: approximately 10x the operational life of a halogen bulb
- Higher colour temperature: around 4000 Kelvin
- Reduced heat

LED LIGHTS

- Long lifespan: approximately 100x the operational life of a halogen bulb
- Maintenance-free
- Low power consumption
- Colour temperature of around 5000-7000 Kelvin
- Waterproof
- Vibration-resistant
- Robust





- | | |
|---|--------------|
| • Beta quality tools & workwear | REF 17857457 |
| • Brake fluids, mineral & transmission oils | REF 14286693 |
| • Document & accessories holders | REF 14372877 |
| • Drum handling special | REF 18253535 |
| • Forks & accessories | REF 14616237 |
| • Hardware special | REF 18805081 |
| • In the spotlight | REF 20382688 |
| • Jacks & supports | REF 18178749 |
| • Light special | REF 20843889 |
| • Maintenance special | REF 20382686 |
| • Mirror special | REF 20778928 |
| • Press special | REF 17868205 |
| • Pressol, lubrication & garage equipment | REF 17783573 |
| • Safety & ergonomics | REF 18666614 |
| • Seats & accessories | REF 14836726 |
| • Skips, scoops & crane jibs | REF 18795192 |
| • Summer special | REF 20143873 |
| • Twistlocks | REF 19550195 |
| • Tyres & accessories | REF 15372984 |
| • Weighing special | REF 18329658 |
| • Windows special | REF 18545076 |
| • Winter products | REF 18663385 |

We gladly keep you informed of our extensive product range. In addition to our catalogues we therefore also present you with our 'product specials': useful digital brochures that will guide you within specific product categories. Save the link in your favourites. You will regularly discover new e-folders with numerous innovations.

More safety products & accessories in our 'Consumables & accessories catalogue':
REF 20560977



For all catalogues, go to
www.tvh.com/catalogue

www.tvh.com/productspecials



FOLLOW US



PARTS & ACCESSORIES



COMPANY MOVIE