



APS 2016 CATALOGUE

OVER 20 YEARS
INDUSTRY EXPERIENCE

OPTIMISED LIGHTING
AND SAFETY SOLUTIONS



APS-SUPPLY.COM



APS Lighting & Safety Products is a specialised and innovative heavy equipment and industrial supplier of Lighting and Vehicle Safety Products. APS has the capability to provide complete site and project optimised lighting and vehicle safety product plans.

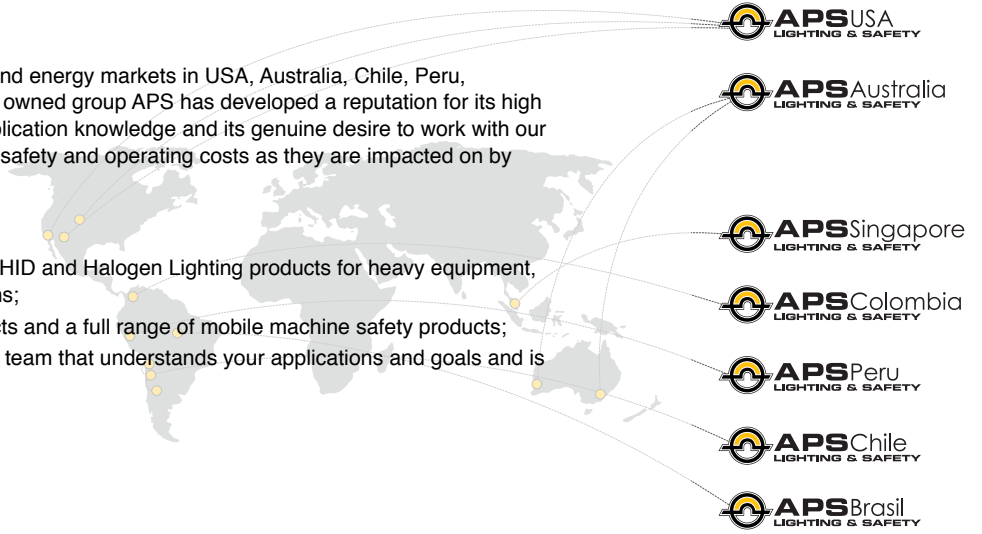
APS Lighting & Safety

About Us

APS has been servicing the international mining and energy markets in USA, Australia, Chile, Peru, Colombia, Indonesia since 1999. As an Australian owned group APS has developed a reputation for its high standards of end user support and service, its application knowledge and its genuine desire to work with our customers to optimised their projects productivity, safety and operating costs as they are impacted on by lighting and safety product choices.

APS provides your project with:

- Access to USA, European and Korean LED, HID and Halogen Lighting products for heavy equipment, light vehicles, fleets and industrial applications;
- Access to radar and RF collision alert products and a full range of mobile machine safety products;
- Access to an experienced lighting and safety team that understands your applications and goals and is prepared to work to ensure your satisfaction.
- Innovative and current technology solutions.

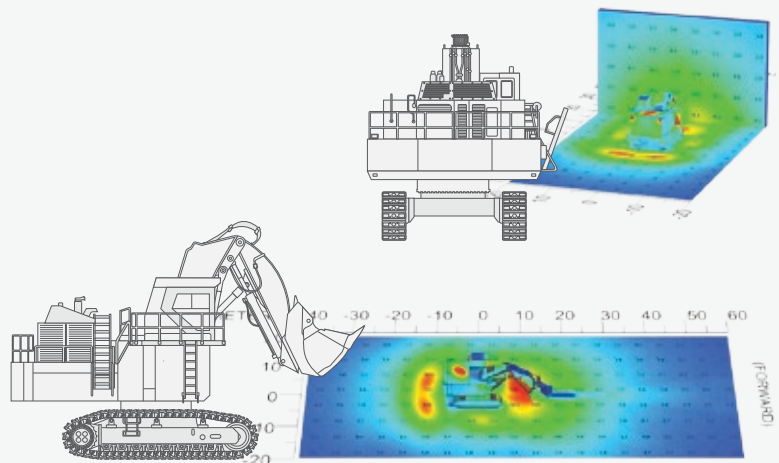


Optimised Lighting Solutions

An APS Lighting Optimisation Plan (LOP) is tailored to meet your requirements on-site. Through the plan, our team of specialists provide recommendations for fixtures designed to work in your environment, whilst considering ways to:

- increase your productivity
- reduce your cost of ownership (e.g. annual energy (and kWh) savings, relamp and maintenance savings, etc)
- simplify the product selection

Our LOP aims to eliminate the risks and concerns you may have about how the various lighting fixtures will perform. In addition, you eliminate the need for carrying out a hit and miss product trial.



APS Lighting Optimisation Plan (LOP) sample

APS Proposed ALL LED Lighting Standard
Machine: CAT 793C Haul Truck

Light Layout

| Fixture | Quantity |
|--------------------------------------|----------|
| 2500 Series LED3000 Flood | 4 |
| 2500 Series LED3000 Long Range Flood | 4 |
| 2500 Series LED3000 Work Flood | 4 |

Conditions & Benefits

| Model | Qty | Quantity | WPL |
|--------------------------------------|-----|----------|-------|
| 2500 Series LED3000 Flood | 4 | 16000 | 40000 |
| 2500 Series LED3000 Long Range Flood | 4 | 16000 | 40000 |
| 2500 Series LED3000 Work Flood | 4 | 16000 | 40000 |

High Beam (4 x Flood / 4 x Long Range Flood) vs Low Beam (4 x Flood)

PRODUCT PROPOSAL
Machine: CAT 793C Haul Truck

2500 Series LED3000
40W work lamp with AVS heavy-duty bracket

| Option | Value |
|------------------------|---------------------------|
| Colour Temperature | 5000K |
| Power | 40W |
| Beam Angle | 15° |
| Mounting | AVS Heavy-Duty Bracket |
| IP Rating | IP67 |
| Operating Temperature | -40°C to 125°C |
| Material | Aluminum |
| Weight | 1.5kg |
| Dimensions (L x W x H) | 100 x 100 x 100mm |
| Part Number | 2500 Series LED3000 Flood |



ABL Lights Group is one of the worlds leading manufacturers of lights for Heavy Duty, Railway and Aftermarket. By being dedicated to providing the most relevant lighting solution to our customers, ABL has become one of the largest OEM suppliers of Halogen, Xenon HID and LED lighting products.

ABL 2500 Series

5 YEAR WARRANTY

LED5000, LED3000

The 2500 Series ABL (5"x5") Halogen work lamps have long been the OE standard for a wide variety of heavy equipment. The 2500 LED Series, which includes the LED5000 and the LED3000 is ABL's flagship range of heavy-duty LED work lights. Both models feature the new extremely robust AVB bracket that has a tested shock rating of 80G and a vibration rating of 30Grms over 10-2000Hz.

AVB heavy-duty bracket



Quick Tech Specs

| | |
|------------------|---|
| Shock Rating | 80G |
| Vibration Rating | 30Grms over 10-2000Hz |
| EMC | ISO 13766, 14982, 12985 |
| Surge Protection | 110V continuous, 200V 100ms, 1800V 50µs |
| Polarity | Protected against reverse voltage |
| IP Rating | IP68, IP69K |
| Operating Temp | -40°C to +85°C |
| Color Temp | 6000K (std), amber optional |

LED5000

The ABL LED5000 draws 2.4A at 24V (57W) yet it outputs an impressive 5,000 effective lumens. 2.5X more effective lumens than your standard HID Xenon work lamp. Class leading surge protection, protected lens and IP69K sealed electronics make this a superior low draw, high output extreme duty work light.



Features

- AVB mount (std) 80G shock
- Lens: hardened glass
- Dim (DxWxH): 4.33x5.51x6.259" (110x140x159mm)
- Weight: 4.0 lbs (1.8kg)

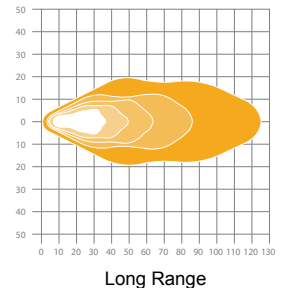
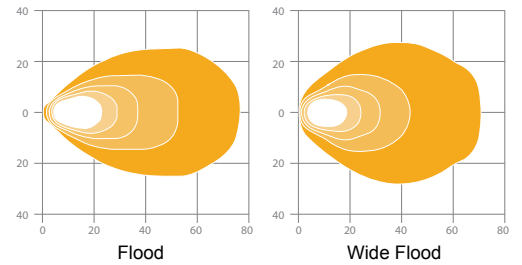
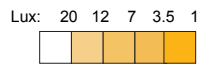
Application: High-vibration heavy equipment, construction, forestry, agriculture

Beam:



Flood Wide Flood Long Range Amber

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (24V) | Watts |
|--------------|------------|---------|---------|---------------|------------|-------|
| LED5000F-MV | Flood | 5000 Lu | 6500 Lu | 12-100V multi | 2.4A | 57W |
| LED5000WF-MV | Wide Flood | 5000 Lu | 6500 Lu | 12-100V multi | 2.4A | 57W |
| LED5000LR-MV | Long Range | 5000 Lu | 6500 Lu | 12-100V multi | 2.4A | 57W |
| LED5000A-MV | Amber | N/A | N/A | 12-100V multi | 2.4A | 57W |
| LED5000F-24 | Flood | 5000 Lu | 6500 Lu | 24V | 2.4A | 57W |
| LED5000WF-24 | Wide Flood | 5000 Lu | 6500 Lu | 24V | 2.4A | 57W |
| LED5000LR-24 | Long Range | 5000 Lu | 6500 Lu | 24V | 2.4A | 57W |



LED3000

The ABL LED3000 has the same current draw as a HID Ballast work lamp (40W) yet it outputs an impressive 3,000 effective lumens. 35% more effective lumens with no additional current draw! Class leading surge protection, protected lens and IP69K sealed electronics make this a superior low draw, high output extreme duty work light.



Features

- AVB mount (std) 80G shock
- Lens: hardened glass
- Dim (DxWxH): 4.33x5.51x6.259" (110x140x159mm)
- Weight: 4.0 lbs (1.8kg)

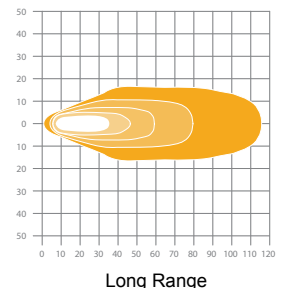
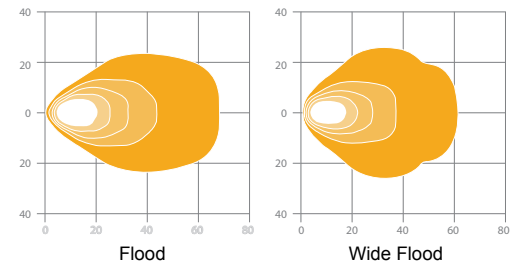
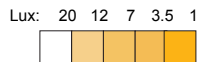
Application: High-vibration heavy equipment, construction, forestry, agriculture

Beam:



Flood Wide Flood Long Range Amber

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (24V) | Watts |
|--------------|------------|---------|---------|---------------|------------|-------|
| LED3000F-MV | Flood | 3000 Lu | 4200 Lu | 12-100V multi | 1.7A | 40W |
| LED3000WF-MV | Wide Flood | 3000 Lu | 4200 Lu | 12-100V multi | 1.7A | 40W |
| LED3000LR-MV | Long Range | 3000 Lu | 4200 Lu | 12-100V multi | 1.7A | 40W |
| LED3000A-MV | Amber | N/A | N/A | 12-100V multi | 1.7A | 40W |
| LED3000F-24 | Flood | 3000 Lu | 4200 Lu | 24V | 1.7A | 40W |
| LED3000WF-24 | Wide Flood | 3000 Lu | 4200 Lu | 24V | 1.7A | 40W |
| LED3000LR-24 | Long Range | 3000 Lu | 4200 Lu | 24V | 1.7A | 40W |

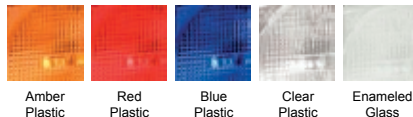


ABL 500 Series

LED3000, LED2000, LED1200

The ABL 500 LED series work lights are designed to exceed everyday demands in all applications ensuring the highest efficiency and durability in even the harshest operating conditions.

Lens Options



Quick Tech Specs

| | |
|------------------|-------------------------|
| Shock Rating | 60G |
| Vibration Rating | 15Grms over 24-2000Hz |
| EMC | ISO 13766, 14982, 12985 |
| IP Rating | IP68, IP69K |

LED3000

The ABL LED3000 in the 500 Series provides 3000 effective lumens from only 36W. This versatile every-day work light provides the highest efficiency and durability in even the harshest operating conditions.



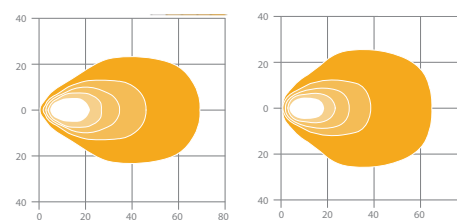
Features

- Lens: hardened glass
- Dim (DxWxH): 3.15x4.016x5.197" (80x102x132mm)
- Weight: 1.98 lbs (0.9kg)

Application: Construction, mining, support vehicles, material handling, agriculture, forestry

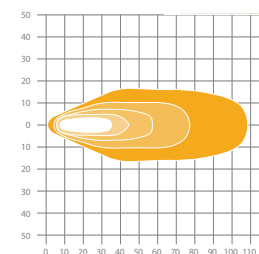
| Part No. | Beam | eLumens | rLumens | Voltage | Amps (24V) | Watts |
|------------------|------------|---------|---------|---------------|------------|-------|
| LED3000-500F | Flood | 3000 Lu | N/A | 12-100V multi | 1.5A | 36W |
| LED3000-500WF | Wide Flood | 3000 Lu | N/A | 12-100V multi | 1.5A | 36W |
| LED3000-500LR | Long Range | 3000 Lu | N/A | 12-100V multi | 1.5A | 36W |
| LED3000-500F-24 | Flood | 3000 Lu | N/A | 24V | 1.5A | 36W |
| LED3000-500WF-24 | Wide Flood | 3000 Lu | N/A | 24V | 1.5A | 36W |
| LED3000-500LR-24 | Long Range | 3000 Lu | N/A | 24V | 1.5A | 36W |

Lux: 20 12 7 3.5 1



Flood

Wide Flood



Long Range

LED2000

ABL LED2000 in the 500 Series is a new multi-volt (12-24V, 12-80V, 24V only) LED work lamp offering a direct substitution for your 12V 55W & 24V 70W Halogen and 35W HID.

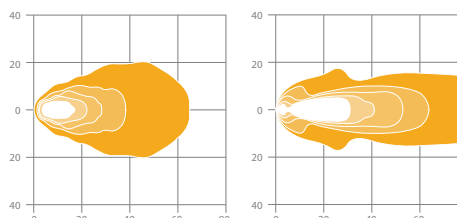


Features

- Salt Spray: ISO 9227
- Lens: hardened glass
- Dim (DxWxH): 3.15x4.016x5.197" (80x102x132mm)
- Weight: 1.98 lbs (0.9kg)

Application: Material handling, heavy equipment, mining, construction, agriculture, forestry, utility vehicles, marine

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (24V) | Watts |
|-----------------|------------|---------|---------|----------|------------|-------|
| LED2000F-1280 | Flood | 2000 Lu | 2500 Lu | 12 / 80V | 1.2A | 28W |
| LED2000LR-1280 | Long Range | 2000 Lu | 2500 Lu | 12 / 80V | 1.2A | 28W |
| LED2000F-24V | Flood | 2000 Lu | 2500 Lu | 24V | 1.2A | 28W |
| LED2000LR-24V | Long Range | 2000 Lu | 2500 Lu | 24V | 1.2A | 28W |
| LED2000AFP-1280 | Amber | N/A | N/A | 12 / 80V | 1.2A | 28W |



Flood

Long Range

LED1200

ABL LED1200 in the 500 Series is a new multi-volt (12-24V, 12-80V, 24V only) LED work lamp offering a direct substitution for your 12V 55W & 24V 70W Halogen and 35W HID.



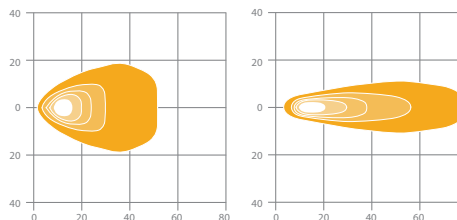
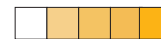
Features

- Salt Spray: ISO 9227
- Lens: hardened glass
- Dim (DxWxH): 3.15x4.016x5.197" (80x102x132mm)
- Weight: 1.98 lbs (0.9kg)

Application: Material handling, heavy equipment, mining, construction, agriculture, forestry, utility vehicles, marine

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (24V) | Watts |
|----------------|------------|---------|---------|----------|------------|-------|
| LED1200F-1280 | Flood | 1200 Lu | N/A | 12 / 80V | 0.82A | 20W |
| LED1200LR-1280 | Long Range | 1200 Lu | N/A | 12 / 80V | 0.82A | 20W |
| LED1200AF-1280 | Amber | 1200 Lu | N/A | 12 / 80V | 0.82A | 20W |

Lux: 20 12 7 3.5 1



Flood

Flood



5 YEAR WARRANTY

For ABL heavy duty LED products purchased through APS

ABL 500 Series (cont...)

LED850, LED SL, LED BLUE, LED XENON HD

LED850

The LED850 Generation 2 in the 500 Series is a new multi-volt LED work lamp offering a direct substitution for your 12V 55W & 24V 70W Halogen and 35W HID. It is equipped with a patented LED-engine holding high performance LEDs. To secure high output, performance and long life, a patented cooling system is used.

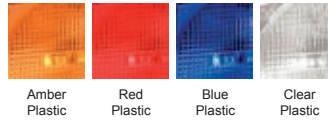


Features

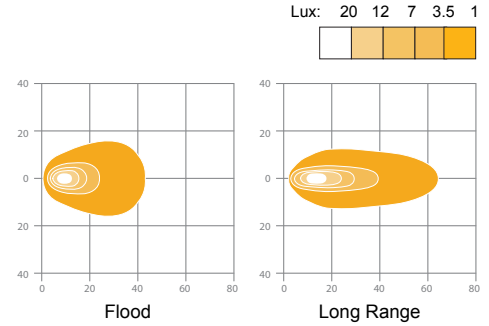
- Lens: hardened glass
- Dim (DxWxH): 3.15x4.016x5.197" (80x102x132mm)
- Weight: 1.98 lbs (0.9kg)

Application: Construction, mining, support vehicles, material handling, agriculture, forestry

Lens Options



| Part No. | Beam | eLumens | Voltage | Amps (24V) | Watts |
|--------------|------------|---------|--------------|------------|-------|
| LED850F-GEN2 | Flood | 850 Lu | 12-24V multi | 0.46A | 11W |
| LED850F-GEN2 | Long Range | 850 Lu | 12-24V multi | 0.46A | 11W |



LED SL

The LED SL is the service light version in the 500 Series, providing an attractive LED product for close range lighting needs. It features a very low consumption solution where high reliability and cost efficiency is required.

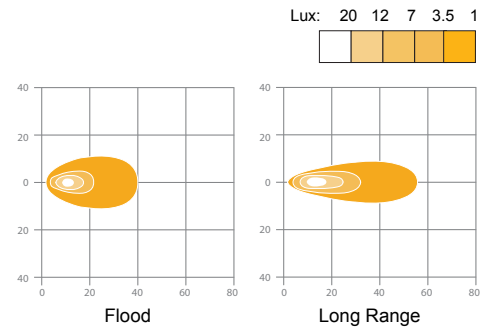


Features

- Lens: hardened glass
- Dim (DxWxH): 2.24x3.98x5.079" (57x101x129mm)
- Weight: 1.0lbs (0.45kg)

Application: Service lighting, service vehicles, utility vehicles

| Part No. | Beam | eLumens | Voltage | Amps (24V) | Watts |
|--------------|------------|---------|--------------|------------|-------|
| LED850F-GEN2 | Flood | 850 Lu | 12-24V multi | 0.46A | 11W |
| LED850F-GEN2 | Long Range | 850 Lu | 12-24V multi | 0.46A | 11W |



LED BLUE

The LED BLUE in the 500 Series is designed for applications where a highly visible sharp-edged warning signal on the floor is required for an increased safety environment. This light is often suitable for use on forklifts providing additional safety and visibility for personnel in warehouses or stores.



Features

- Sharp-edged spot
- 10 Grms over 24 to 2000Hz
- EMC: ISO 12985
- Dim (DxWxH): 4.84x4.291x5.197" (123x109x132mm)
- Weight: 2.2 lbs (1.0kg)

Application: forklifts

| Part No. | Beam | Voltage | Amps (24V) | Watts |
|----------------|------|---------------|------------|-------|
| ABL-LED500BLUE | Spot | 12-100V multi | 0.2A | 5W |



XENON HD

The Xenon HD 500 Series work light is one of the most compact, powerful Xenon HID lights available. With 3 axis vibration dampeners and an integrated ballast, the Xenon HD is designed for heavy-duty applications. Xenon/HID simulates daylight giving the most consistent light patterns for your operators.

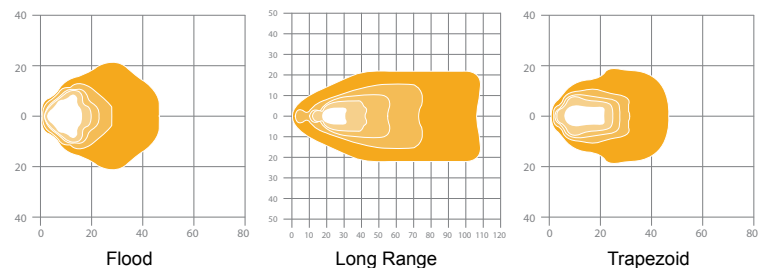


Features

- 15 Grms over 24 to 2000Hz
- EMC: ISO 13 766, 14 982
- IP Rating: IP66, IP69K
- Salt Spray: ISO 9227
- Dim (DxWxH): 5.905x4.094x5.118" (150x104x130mm)
- Weight: 2.2 lbs (1.0kg)

Application: forklifts, warehouses, stores

| Part No. | Beam | Voltage | Amps (24V) | Watts |
|---------------|------------|---------|------------|-------|
| 500-X12F35IB | Flood | 12V | N/A | 35W |
| 500-X12LR35IB | Long Range | 12V | N/A | 35W |
| 500-X12T35IB | Trapezoid | 12V | N/A | 35W |
| 500-X24F35IB | Flood | 24V | 1.8A | 35W |
| 500-X24LR35IB | Long Range | 24V | 1.8A | 35W |
| 500-X24T35IB | Trapezoid | 24V | 1.8A | 35W |



ABL Compact Series

C700 LED850, C700 LED1200, 1100 LED1200, 1100 LED2000

C700 LED850 Compact

The LED850 is a compact LED-powered work lamp in the C700 series by ABL Lights Group. This 11W version features 8 LED bulbs and pumps out an impressive 850 Lumens. Built tough with a shock rating of 60G, a vibration rating of 15Grms @ 24-2000Hz, and high ingress protection rating of IP68 and IP69K, this lamp exceeds everyday demands in all applications from handling equipment to heavy vehicles. The ABL C700 LED850 Compact is a direct replacement for the ABL 700 halogen work lamp, which uses a single 34W or 55W H3 bulb.

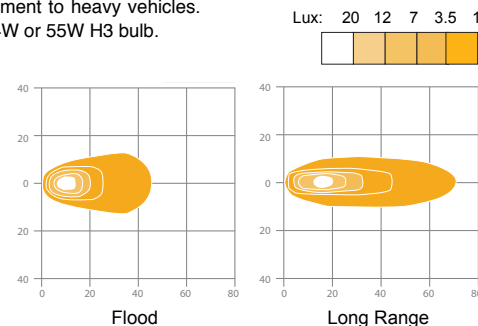


Features

- Lens: hardened glass
- 60G shock, 15Grms @ 24-2000Hz vibration
- IP Rating: IP68, IP69K
- Protected against reverse voltage
- 2 Year Warranty
- Dim (DxWxH): 3.03x3.58x5.07" (77x91x129mm)
- Weight: 1.1 lbs (0.5kg)

Application: Heavy equipment, mining, construction, road and utility equipment, forestry, agriculture

| Part No. | Beam | eLumens | Voltage | Amps (24V) | Watts |
|----------------|------------|---------|--------------|------------|-------|
| C700-LED850-F | Flood | 850 Lu | 12-24V multi | 0.46A | 11W |
| C700-LED850-LR | Long Range | 850 Lu | 12-24V multi | 0.46A | 11W |



C700 LED1200 Compact

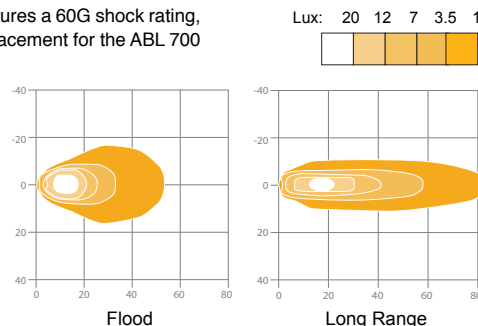
The LED1200 is the 16W version of the C700 series of LED-powered work lamps by ABL Lights Group. This 11W version features 8 LED bulbs and pumps out an impressive 1200 Lumens. Similar in specifications to the ABL 700 LED850 above, this lamp also features a 60G shock rating, 15Grms @ 24-2000Hz vibration rating, and IP68 and IP69K rating. The ABL C700 LED1200 Compact is a direct replacement for the ABL 700 halogen work lamp, which uses a single 70W H3 bulb.



Features & Application

- Same as the C700 LED850 Compact (see above)

| Part No. | Beam | eLumens | Voltage | Amps (24V) | Watts |
|-----------------|------------|---------|--------------|------------|-------|
| C700-LED1200-F | Flood | 1200 Lu | 12-24V multi | 0.66A | 16W |
| C700-LED1200-LR | Long Range | 1200 Lu | 12-24V multi | 0.66A | 16W |



1100 LED1200 Compact

This 12-24V DC multi-volt work light is the 15W version of the new LED-powered 1100 series work lamps by ABL Lights. This lamp features a shock rating of 60G, a vibration rating of 15Grms @ 24-2000Hz, and high ingress protection rating of IP68 and IP69K. These lights have been sold worldwide by the millions, providing optimal light and best value for money. The ABL 1100 LED1200 Compact is a direct replacement for the ABL 1100 Series 3 x 5" halogen work lamp, which uses a single 55W or 70W H3 bulb.

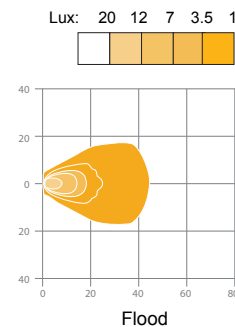


Features

- Lens: hardened glass
- 60G shock, 15Grms @ 24-2000Hz vibration
- IP Rating: IP68, IP69K
- Mounting: pedestal, suspended
- 2 Year Warranty
- Dim (DxWxH): 2.79x6.18x3.74+ (71x157x95+mm)
- Weight: 1.98 lbs (0.9kg)

Application: Heavy equipment, mining, construction, road and utility equipment, forestry, agriculture

| Part No. | Beam | eLumens | Voltage | Amps (24V) | Watts |
|----------------|-------|---------|--------------|------------|-------|
| 1100-LED1200-F | Flood | 1200 Lu | 12-24V multi | 0.625A | 15W |



1100 LED2000 Compact

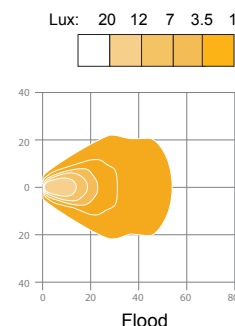
This work light is the 25W version of the new LED-powered 1100 series work lamps by ABL Lights. This lamp features a shock rating of 60G, a vibration rating of 15Grms @ 24-2000Hz, and high ingress protection rating of IP68 and IP69K. The ABL 1100 LED2000 Compact is a direct replacement for the ABL 1500 3x5 twin-beam halogen work lamp, which uses twin 55W or twin 70W H3 bulbs.



Features & Application

- Same as the 1100 LED1200 Compact (see above)

| Part No. | Beam | eLumens | Voltage | Amps (24V) | Watts |
|----------------|-------|---------|--------------|------------|-------|
| 1100-LED2000-F | Flood | 2000 Lu | 12-24V multi | 1.04A | 25W |





5 YEAR WARRANTY

For ABL heavy duty LED products purchased through APS

ABL (additional products...)

700 H3, MYLED 2700, ALPHA 175 LED

700 H3

ABL 700 is designed for tough conditions. It is made of black fibre glass charged plastic and the lens is in hardened glass. A worklamp you can trust and has without comparison the most simple way to service. Just open the front to change the bulb.

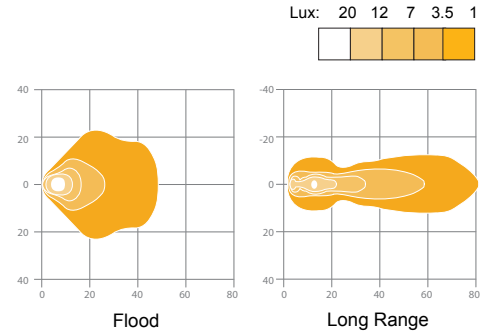


Features

- Lens: hardened glass
- 10 Grms over 24 to 2000Hz
- IP Rating: IP66, IP69K for built-in connectors and compression seals
- Salt Spray: ISO 9227
- Dim (DxWxH): 3.386x3.583x4.803" (86x91x122mm)
- Weight: 2.0 lbs (0.91kg)

Application: service vehicles, forklifts, warehouses, stores

| Part No. | Beam | Voltage | Amps (24V) | Watts |
|-----------|------------|---------|------------|-------|
| ABL700-12 | Flood | 12V | 2.92A | 70W |
| ABL700-24 | Long Range | 24V | 2.92A | 70W |



MY LED 2700

The MY LED work lamps are well known for their extraordinary strength thanks to its metal housing. Now equipped with the latest and most efficient LED technology and combined with a superior thermal design management, the ABL MY LED 2700 is your powerful and reliable lighting solution for your most demanding vehicles, forest and off-road applications.

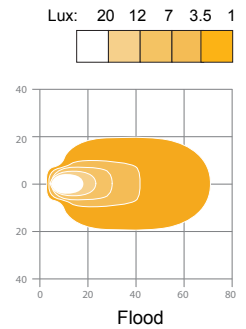


Features

- Aluminium housing
- Lens: hardened glass
- IP Rating: IP68, IP69K
- Salt Spray: ISO 9227
- Dim (DxWxH): 4.724x5.039x5.433" (120x128x138mm)
- Weight: 2.2 lbs (1.0kg)

Application: construction, agriculture, forestry, off-road

| Part No. | Beam | eLumens | Voltage | Amps (24V) | Watts |
|------------|-------|---------|--------------|------------|-------|
| MYLED2700F | Flood | 2700 Lu | 12-24V multi | 1.5A | 36W |



ALPHA 175 LED

The Alpha 175 LED is a compact depth auxiliary light designed for off and on road applications. The full LED optical unit offers unmatched resistance to vibration and ensures added safety through outstanding performance.

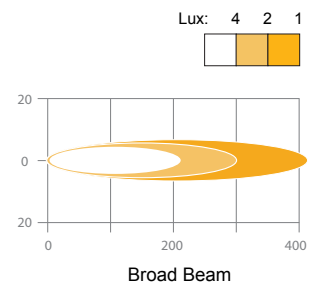


Features

- ECE Pilot Light LED
- IP Rating: IP67, IP69K
- Salt Spray: ISO 9227 (240h)
- Lens: hardened glass
- Dim (DxWxH): 4.094x6.889x5.197" (80x102x132mm)
- Weight: 2.42 lbs (1.1kg)

Application: On and Off-road applications (e.g. long-haul trucks, 4WDs, etc)

| Part No. | Beam | Voltage | Amps (24V) | Watts |
|-----------------|--------------------|--------------|------------|-------|
| ABL-ALPHA175-40 | ECE Broad Class 40 | 12-24V multi | 0.54A | 13W |



Speaker XL Series

A523, A526, A7150

The XL Series is a family of heavy-duty LED products from JW Speaker developed specifically for extreme industrial conditions. Each light is fully sealed and complies with IP69K standards for high-pressure washing and other harsh environmental factors. These lights feature a distinctive, bright yellow die-cast housing and fully sealed connections – making them perfect for applications where water, mud, and sludge are present.

A523

The A523 8" x 9" LED Scene Light in the XL Series is tougher than your standard work lights, and outputs a powerful 8000 effective lumens. It features a yellow die-cast aluminum housing that is fully sealed to withstand high-power washing and extreme industrial environmental conditions (IP69K rating).



Features

- Lens: hardened glass
- Electrical Connection: integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)
- Dim (DxWxH): 3.50x9.99x6.99" (88.9x253.8x177.6mm)
- Weight: 6.72 lbs (3.05kg)

Application: Agriculture, construction, industrial, mining, railroad, specialty vehicles, trucks and buses

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (12V) | Watts |
|-----------|--------------|---------|----------|--------------|------------|-------|
| A523WF-MV | Wide Flood | 8000 Lu | 12200 Lu | 12-24V multi | 11A | 132W |
| A523NF-MV | Narrow Flood | 8000 Lu | 12200 Lu | 12-24V multi | 11A | 132W |

A526

The A526 in the XL Series is available in the traditional flood, trapezoid, and spot beam patterns, as well as an innovative new Anti-Glare beam pattern. Whereas conventional mining haul truck lights create unsafe glare which can blind oncoming vehicles, and angling them down impairs their effectiveness, the A526 XL anti-glare beam pattern has been engineered to maximize visibility without blinding oncoming vehicles.



Features

- Lens: polycarbonate
- Optional anti-glare beam pattern
- Electrical Connection: iCONN Connector - iMATE23
- Dim (DxWxH): 3.80x6.20x6.30" (96.9x158x160mm)
- Weight: 4.50 lbs (2.04kg)

Application: Construction, forestry, industrial, mining, railroad, specialty trucks

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (12V) | Watts |
|-------------|------------|---------|---------|--------------|------------|-------|
| A526F-MVXL | Flood | 5800 Lu | 9000 Lu | 12-24V multi | 9A | 108W |
| A526S-MVXL | Spot | 5800 Lu | 9000 Lu | 12-24V multi | 9A | 108W |
| A526AG-MVXL | Anti-Glare | 5800 Lu | 9000 Lu | 12-24V multi | 9A | 108W |
| A526T-MVXL | Trapezoid | 5800 Lu | 9000 Lu | 12-24V multi | 9A | 108W |

A7150

The A7150 in the XL Series is one of Speaker's brightest and toughest work lights. It is an excellent choice for applications where a high degree of visibility and durability is required. Cleaning the A7150 is easy, as it is sealed to IP69K for high-pressure washing.



Features

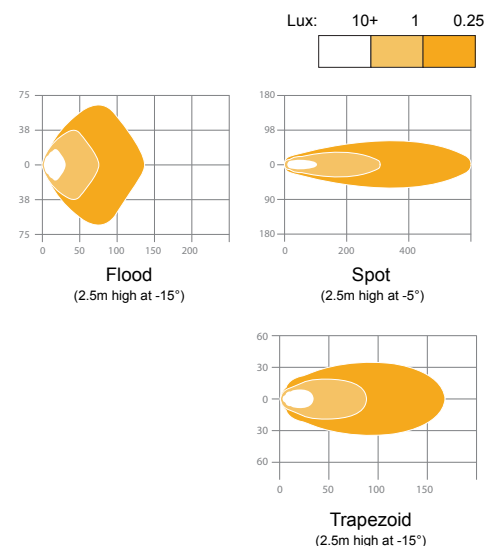
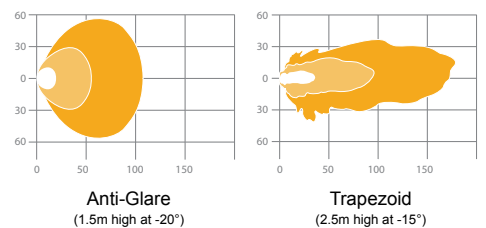
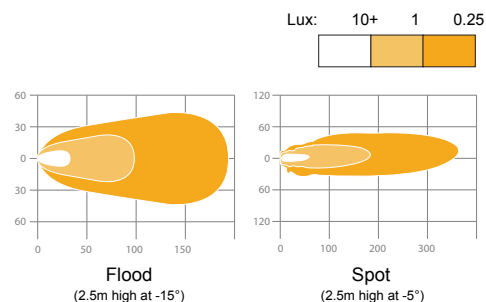
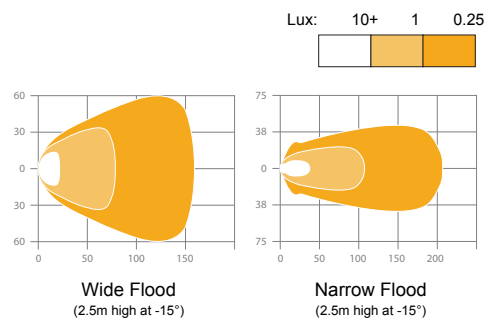
- Lens: polycarbonate
- Electrical Connection: integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)
- Dim (DxWxH): 4.25x6.52x5.94" (108x165.5x150.8mm)
- Weight: 1.80 lbs (0.82kg)

Application: Construction, forestry, industrial, mining, railroad, specialty trucks

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (12V) | Watts |
|-------------|-----------|---------|---------|--------------|------------|-------|
| A7150F-MVXL | Flood | 5400 Lu | 9000 Lu | 12-24V multi | 6.5A | 78W |
| A7150S-MVXL | Spot | 5400 Lu | 9000 Lu | 12-24V multi | 6.5A | 78W |
| A7150T-MVXL | Trapezoid | 5400 Lu | 9000 Lu | 12-24V multi | 6.5A | 78W |

Quick Tech Specs

| | |
|----------------------------|----------------------------|
| Colour Temperature | 5000K |
| Transient Spike Protection | 150V Peak @ 1 HZ-10 Pulses |
| Mounting | Universal Pedestal Mount |
| IP Rating | IP69K |



Speaker (additional products...)

A8700 Gen2, A8800, A527

A8700 Gen2

The Speaker A8700 Generation 2 is a high performance LED headlight, designed to be a direct plug and play replacement for your existing 7" LED headlights. Providing high energy efficiency, the A8700 offers superior visibility, safety, and durability. Available in black or chrome inner bezel.



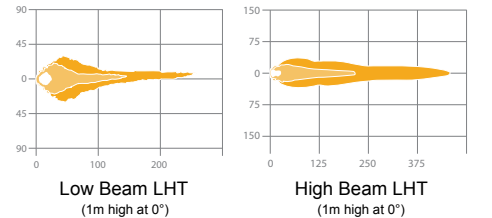
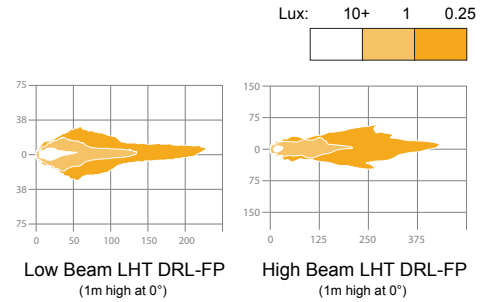
Features

- Lens: polycarbonate
- Retrofits 2D1 "PAR56" or 7" round headlights
- Electrical Connection: H4 with H4 AMP#172615-2 mating connector
- Dim (DxWxH): 3.93x6.95x6.95" (99.8x176.5x176.5mm)
- Weight: 2.31 lbs (1.05kg)

Application: Off-road 4x4, specialty vehicles, trucks and buses

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (12V) | Watts |
|---------------------------|--------------|---------|---------|--------------|------------|-------|
| A8700-ECE-LHT-HLBB-DRL-FP | Hi & Lo Beam | 1150 Lu | 2610 Lu | 12-24V multi | 3.0A | 36W |
| A8700-ECE-LHT-HLCB-DRL-FP | Hi & Lo Beam | 1150 Lu | 2610 Lu | 12-24V multi | 3.0A | 36W |
| A8700-ECE-LHT-HLBB | Hi & Lo Beam | 1150 Lu | 2610 Lu | 12-24V multi | 3.0A | 36W |
| A8700-ECE-LHT-HLCB | Hi & Lo Beam | 1150 Lu | 2610 Lu | 12-24V multi | 3.0A | 36W |
| A8700-H4JH | NA | NA | NA | NA | NA | NA |

Abbrev: LHT = Left Hand Traffic HL = Headlights with Hi & Lo beam BB = Black Inner Bezel FP = Front Positioning
ECE = Economic Commission for Europe (UN-based compliance) CB = Chrome Inner Bezel DRL = Day-time Running Light



A90

The Model 90 LED headlights are designed as upgrades from stock bulb-based 90mm lights commonly found on buses, trucks, and motor coaches. Each Model 90 features a heavy-duty housing, UV-resistant lens, and the latest in solid-state optics. They are designed to be drop-in bus LED headlight replacements for stock 90mm lights.



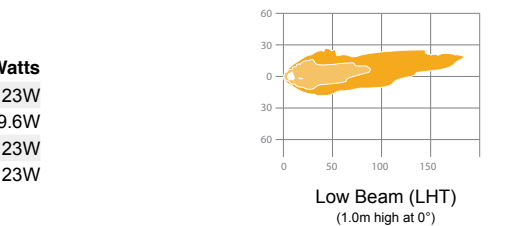
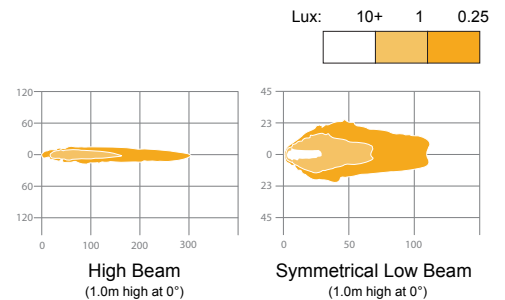
Features

- Lens: polycarbonate
- Electrical Connection: 6" bare leads
- IP Rating: IP67
- Dim (DxWxH): 3.56x4.27x4.27" (90.3x108.5x108.5mm)
- Weight: 1.3 lbs (0.59kg)

Application: Construction, off-road 4x4, power sports (quad bikes, etc), specialty vehicles, trucks and buses

| Part No. | Beam | eLumens | rLumens | Voltage | Amps (12V) | Watts |
|---------------|----------------------|----------------|---------|--------------|------------|-------|
| A90-12/24V LB | Low Beam | 17,500 Candela | - | 12-24V multi | 1.9A | 23W |
| A90-12/24V HB | High Beam | 45,000 Candela | - | 12-24V multi | 0.8A | 9.6W |
| A90-12/24V HB | Low Beam LHT | 17,500 Candela | - | 12-24V multi | 1.9A | 23W |
| A90-12/24V S | Symmetrical Low Beam | 403 Lu | - | 12-24V multi | 1.9A | 23W |

Abbrev: LHT = Left Hand Traffic HL = Headlights with Hi & Lo beam BB = Black Inner Bezel FP = Front Positioning
ECE = Economic Commission for Europe (UN-based compliance) CB = Chrome Inner Bezel DRL = Day-time Running Light



A527 Red Zone Light

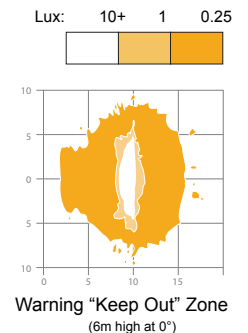
The Speaker A527 adds a new level of safety to mining and construction sites. It projects a large "Keep Out" zone of red light onto the ground to alert pedestrians and vehicles to stay out of potentially hazardous work areas, such as the swinging path of a shovel or drag line.



Features

- Lens: durable glass
- Xenon housing and universal pedestal mount
- Electrical Connection: integrated 2-Pin Deutsch Weatherproof Socket (DT04-2P)
- Dim (DxWxH): 4.02x10.18x4.87" (102.3x258.5x128.8mm)
- Weight: 2.60 lbs (1.18kg)

Application: Agriculture, construction, industrial, mining, railroad, specialty vehicles, trucks and buses



| Part No. | Beam | eLumens | rLumens | Voltage | Amps (12V) | Watts |
|----------|--------------|---------|---------|--------------|------------|-------|
| A527-R | Forward/Spot | 670 Lu | 720 Lu | 12-24V multi | 1.6A | 19W |

Optimised Vehicle Safety Solutions

When you decide to get a Vehicle Safety Optimisation Plan (VSOP) from APS, you can trust you are investing in the future with heavy equipment and automotive safety products based on your project requirements. APS is committed to providing vehicle safety solutions that meet your responsibilities and on-site specifications.

APS offers vehicle safety solutions for all fleet sizes and vehicle types. Our VSOP involves APS experts working closely with clients to determine complete fleet safety solutions that meet individual needs and budgets. APS has a wide range of products, including Passive and Active safety solutions.

As part of our VSOP, we can provide:

- fit for purpose vehicles, which allow greater control over safety
- solutions that seek to minimise costs related to injury and assets
- safety solutions tailored to user needs and budgets

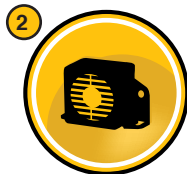
Light Vehicle Safety



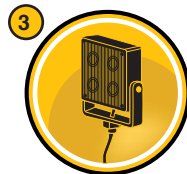
Bill of Materials



Beacons



Back-up Alarms



Directional Warning Lights



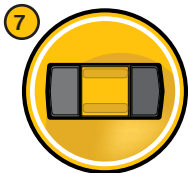
Wheel Nut Retention System



LED Work Lamps



Auxiliary Lighting



Stop Tail Turn



Electrical Accessories



LED Service Lamps



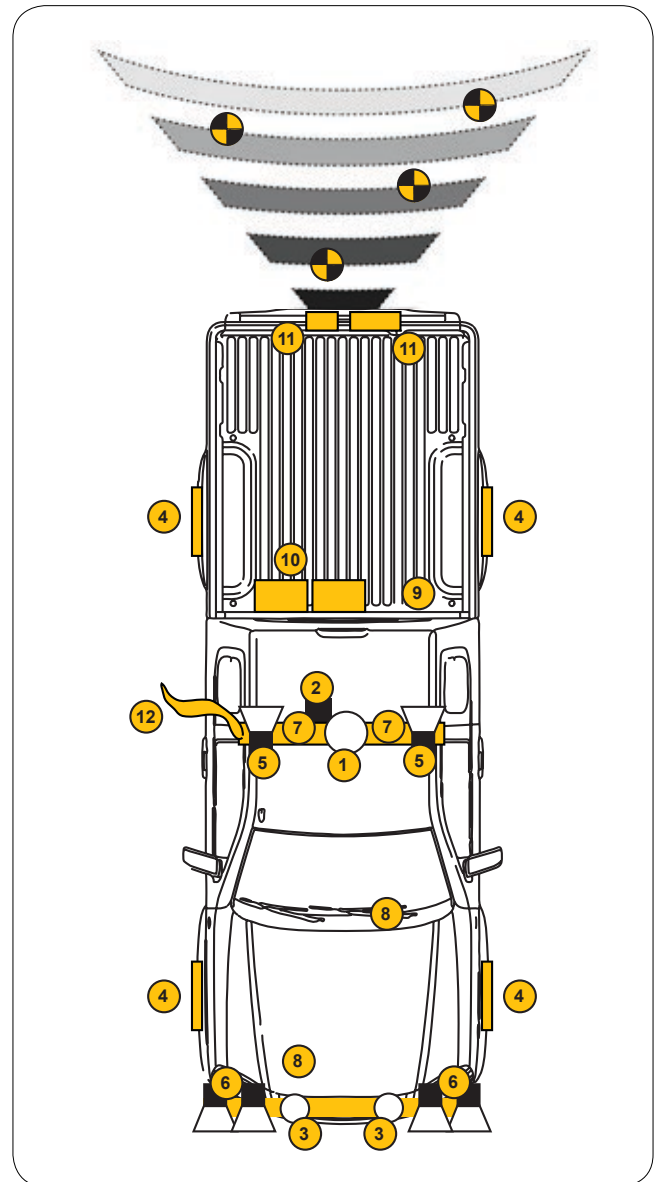
Wheel Chocks



Camera & Blind Spot Radar



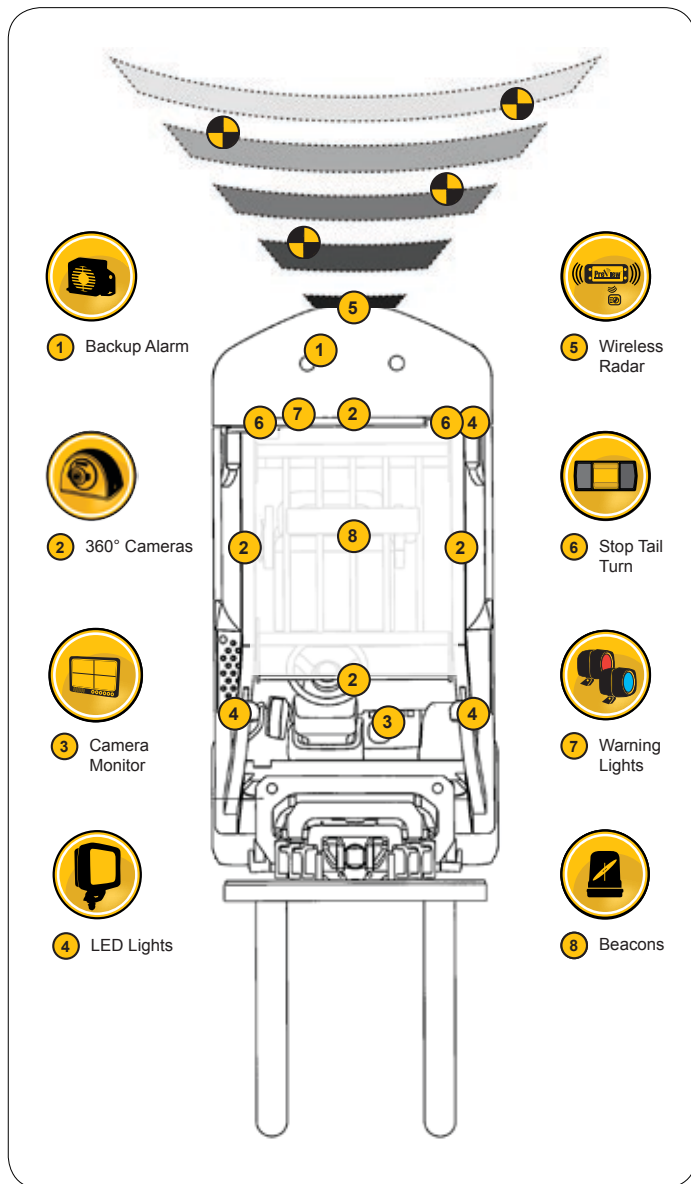
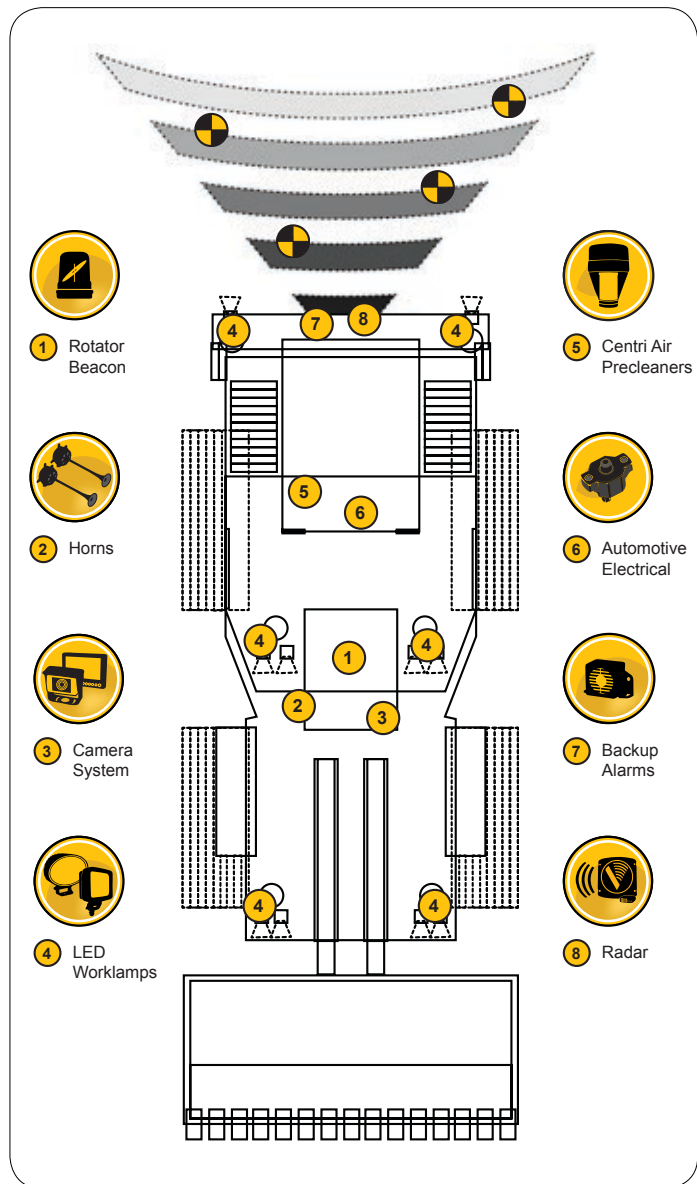
Safety Whips



Heavy Vehicle Safety



Fork Lift Safety





PreView® is a solid-state, pulsed-radar object detect system engineered to alert vehicle operators of both moving and stationary obstacles. Designed to work in extreme environmental conditions, PreView® is the most reliable detection system on the market. Drivers need all the help they can get to protect lives, property and your bottom line.

PreView® Wireless WorkSight

Pulsed Radar

The PreView® Wireless WorkSight utilises Preco's patented, pulsed radar technology to detect objects in an operator's blind spot and reduce backing accidents. If something is detected, the operator receives an audible and visual active warning in the cab, giving them time to react and avoid an accident. By eliminating the need to install cables through the truck body, PreView Wireless reduces installation time by more than half, while still providing the best blind spot detection protection available. Made from rugged components designed to withstand the harsh environmental conditions found in many industries, from mines and construction sites to long-haul travel and ports.



Features and Benefits

- Secure dedicated wireless network connection
- Detection range up to 6m (20ft) with the ability to set detection zone as low as 3m (10ft).
- Intuitive graphics for each detection zone utilises standard warning protocols: Stop sign, Yield sign and Green light
- 9-33V DC (polarity and over-voltage protected to 150V)
- Less than 0.25A current draw
- IP67 (encapsulated to protect from dust and moisture)
- Detection range customised through the in-cab display
- Provides one touch audible alert acknowledgement
- Warning alerts automatically change as the threat of accident increases
- Connects to reverse lights for power
- Ability to customise detection zone onsite with PrecoNet Service Tool
- Built to meet rugged SAE J1455 Specs



Drivers can be confident in the best blind spot detection system available.

PreView™ Plus

Integrated Blindspot Safety System

Prevent Collisions
Reduce Injuries & Downtime
Save Lives



+



+



PRECO
ELECTRONICS

PreView™
RADAR SYSTEMS

Preview® FMCW 24GHz Radar

Range +30m – fully programmable field of view

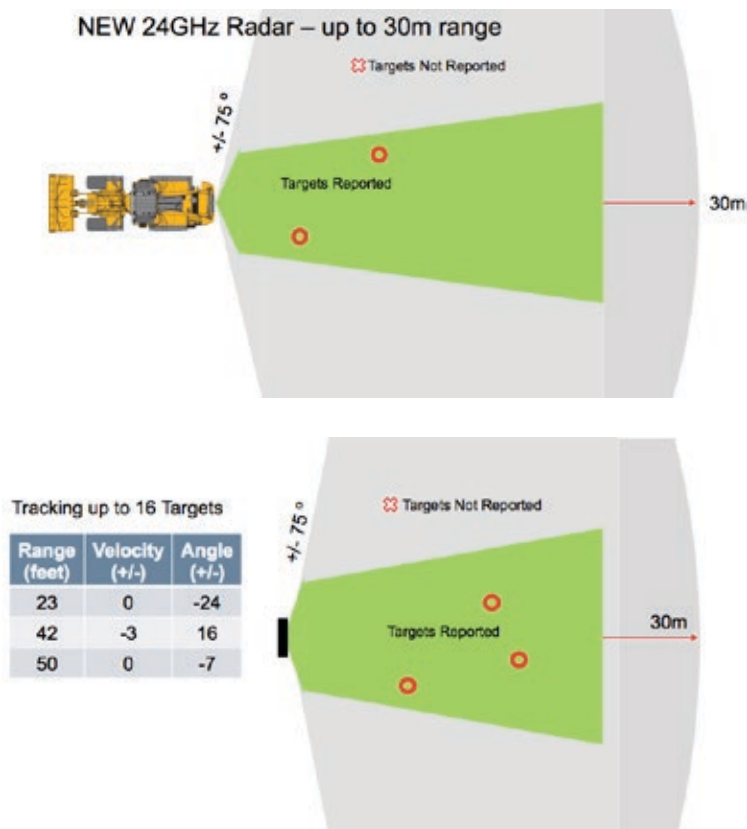
Features and Benefits

- Single SKU programmable across broad Field Of View range
- Smaller size allows more flexible mounting options
- Customizable CAN-bus integration
- Ideal for integration with vision systems

Intelligent Radar

- FMCW + Doppler (Pulse-Doppler)
- Intelligent processor – supports adaptable FOV, filtering algorithms, and communication message formats
- Range +30meters
- Field of View: Programmable:
 - +/-75° horizontal
 - +/- 10° vertical
- Adaptable/programmable
 - Learning mode – fixed object filtering
 - Range and FOV modes
 - Custom CAN commands/logic
 - CAN Bus Firmware Loader
- Sensor Integration
 - CAN Bus – message/program
 - Ethernet Option

Programmable Field-of-View



NEW



Engineered for Heavy Duty Applications

- Polycarbonate Radome enclosure
- IP69K
- Tested to operate in extreme environments:
 - Heat/Cold
 - Vibration/Shock
 - Dirt, Mud, Snow, Ice, Rock
- Flush mount

Testing Standards

| Test | Parameters | Specification |
|------------------|-----------------------|---------------|
| Temperature | -40°C to +85°C | ISO 16750-4 |
| Humidity | 95% Relative Humidity | ISO 16750-4 |
| Vibration | 25 Grms (Random) | ISO 16750-3 |
| Shock | 50 G (All 3 axis) | ISO 16750-3 |
| Salt Environment | ASTM B117 | SAE J1455 |
| Steam Cleaning | 2500 psi | SAE J1455 |
| Gravel | SAE J400 | SAE J1455 |
| Electrical | 9-33VDC Operation | ISO 16750-2 |
| EMI | Load Dump/Transients | ISO 13766 |



Preview

XTREME PREVIEW[®], PREVIEW[®] SOD, WORKSIGHT[®] PREVIEW[®]

Xtreme PreView[®]

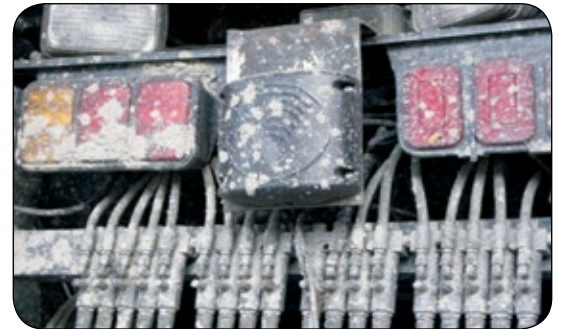


Reduce your blind spot accidents by more than 75% like other PreView[®] customers.

Xtreme PreView[®] is a pulsed radar object detection solution designed to detect moving and stationary objects in blind spots to significantly reduce accidents. Coverage area can be up to 32ft/10m depending on the sensor chosen and your specific needs.

Features & Benefits

- Increased safety helps save lives
- Prevents vehicle damage caused by blind spots
- Effective in extreme weather and mine site conditions
- Network multiple sensors together with a single display
- Integrates with other safety tools
- PreView customers report over 75% reduction in blind spot accidents when PreView is installed



Does your safety system operate under these conditions?

PreView[®] SOD



Side Object Detection System

PreView[®] Side Object Detection (SOD) improves your driver's situational awareness by constantly monitoring the dangerous left and right areas out of your drivers view. Unlike auto-grade blind spot aides, PreView[®] SOD is made specifically for working vehicles, withstanding the rugged work site and extreme weather conditions your drivers maneuver through every single day.

Features & Benefits

- Detection zone is approximately 10' x 10' to cover key areas of blind area
- In-cab visual indicators illuminate with detection
- When the turn signal is turned on, an audible warning tone will sound. This occurs only once per turn signal activation to get the drivers attention without creating unwanted distractions

WorkSight[®] PreView[®]



We've got your blind spot covered[™]

WorkSight[®] PreView[®], the newest object detection safety system developed by Preco Electronics, Inc.™. WorkSight PreView[®] sensors contain two distinctive antennas in a rugged encasing. The first antenna provides a short-distance pulsed radar beam to cover the width of the average heavy duty vehicle bumper area. The second antenna provides the long-distance beam that detects 20 feet/ 6 meters behind the vehicle.

Features & Benefits

- Rugged sensor detects objects in extreme conditions
- In-cab warning allows drivers to react faster
- Narrow detection pattern reduces nuisance alarms
- Close-in resolution provides better bumper coverage
- Allows for single or multi-sensor configuration
- Integrates with other safety tools

PreView[®] Collision Alert Systems



PreView[®] prevents vehicle damage caused by blind spots and improves worksite safety.





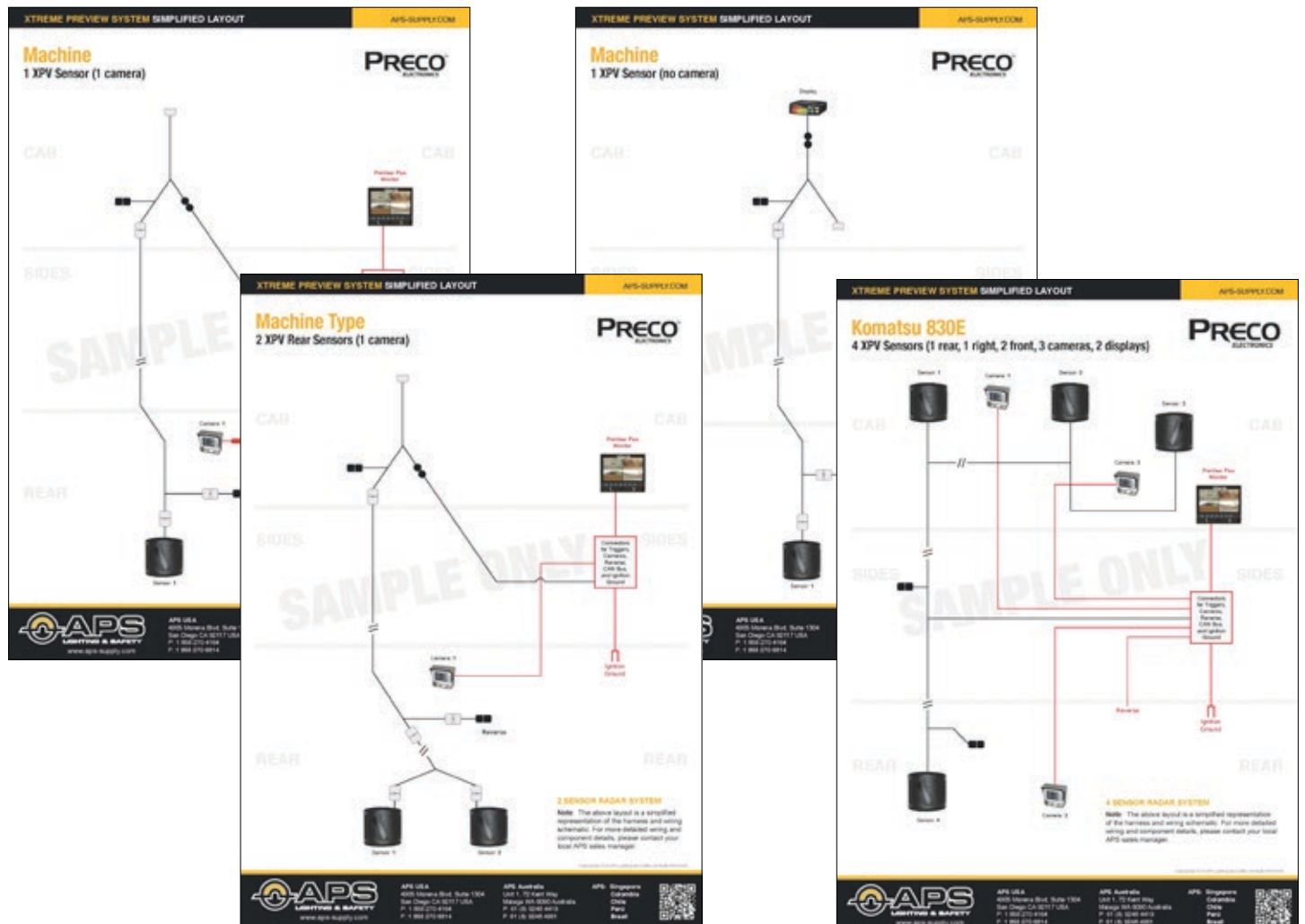
APS Radar Plans

Xtreme Preview System Layouts

APS PreView technicians can develop a tailor-made solution for your mobile fleet. Typically each customer or site is seeking a customised solution to have sensors monitoring specific machines and impact zones. To work optimally and to be accepted by the operators as an important additional tool for minimising potential incidence of collision or damage our technicians will ensure proper system design, installation, training and ongoing site audit / calibration.



APS Radar Layouts samples



360° Camera Monitor Systems

Backeye@360 provides the driver with a real-time, 360° 'bird's-eye' view of the vehicle within a single image.

How does it work?

Providing a choice of 360° technologies, both of which work with four ultra wide-angle cameras that each covers one full side of the vehicle with a viewing angle of over 180°. High-mounted on the front, rear and sides, the calibrated cameras capture all of the surrounding area including the blind spots of the vehicle or machine. The four live images are simultaneously sent to an electronic control unit (ECU) where they are instantly processed, combined, blended and stitched. The distortion from the wide-angle camera lens is also corrected before delivering a clear, smooth, real-time image onto the driver's monitor.

A flexible system

The Backeye@360 systems allow for personalised calibration and each installation is unique. The blending and stitching of the camera views can be configured to meet the requirements of the user and the settings saved to upload to identical vehicles in a fleet. Backeye@360 will work on virtually any rigid vehicle or machine, large or small. The distance of the viewing area can be set to suit the application. For example, a refuse vehicle may only need to see a distance of 3m, whereas a large dumper at a quarry may require a radius of 40m. The flexibility of the Brigade systems means there are solutions suitable for both on- and off-road applications.

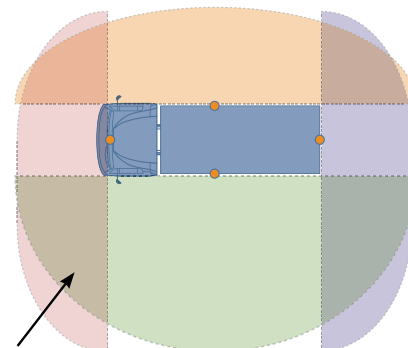
Safety and savings

Benefits of the system extend beyond reducing collisions with people and objects. The comprehensive view of the surroundings aids the driver when manoeuvring at low speed and can minimise tyre damage, as drivers of larger vehicles can see and avoid objects lying on the ground. Backeye@360 Systems are compatible with Brigade MDR digital recorders, providing 360° footage that can be used in incidents of 'crash for cash', vandalism or false claims. Video evidence can help companies make major cost savings by refuting bogus claims, whilst importantly supporting their drivers.

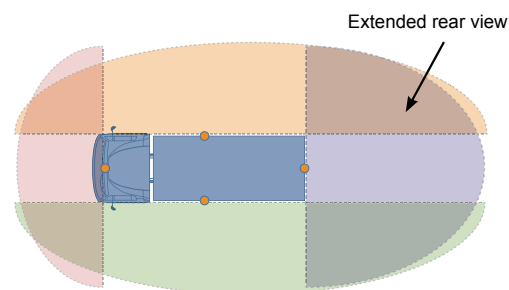
Creating the view

When setting the system up, any overlap of two camera views can be blended. The width of the blend can be set from zero (hard-edged join) to the entire overlap. The blended line can also be placed anywhere within the overlap to minimise the impact on critical viewing areas for the driver. Backeye@360 Select allows the front corner pair to be set up independently of the rear corner blends, while the Elite system offers ultimate flexibility with the facility to configure each corner individually.

Examples of programmable image regions

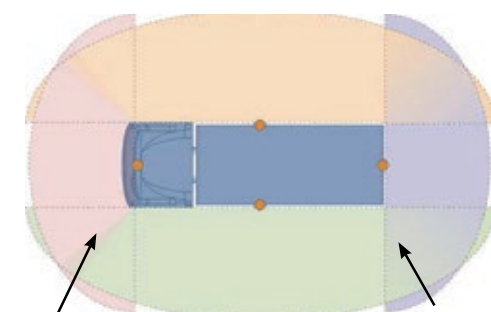


Enlarged off-set view



Extended rear view

Examples of customisable blend widths



Narrow Blend

Wide Blend

4 cameras, 1 image, 0 blind spots



360° Camera Monitor System (cont...)

XTREME PREVIEW®, **PREVIEW® SOD**, **WORKSIGHT® PREVIEW®**

360° Elite

The Elite is the ultimate surround view system. Sophisticated image-processing software gives great flexibility, so the 360° image delivered to the driver's monitor can be tailored to suit each individual vehicle, almost no matter how complex the shape. Where images from two of the system cameras overlap at each corner of the vehicle, the join can be placed to make the critical hazard area as visible as possible. The shape of the join, and the extent the images from the two cameras overlap to provide visibility at height in the blind spot, can be adjusted for each overlap. Eight output triggers allow combinations of views to suit almost every manoeuvre. The Elite system also has the ability to offer extended rear or side views as part of the 360° image when triggered by indicator or gear selection.



360° Select

The Select is an easily configured system offering the safety of a surround view to regular shaped, box body vehicles. The virtual 'bird's-eye' image is presented alongside the view from one of the individual cameras, determined by the manoeuvre being executed. The positioning of the camera image joins can be set for the front and rear pairs independently, and three triggers automatically present tailored views to the driver.



360° System Benefits - Elite and Select

| Features | Benefits | 360° Elite | 360° Select |
|---|--|------------|-------------|
| Surround view in a single image | Easier and quicker to spot and assess hazards, increasing safety | ✓ | ✓ |
| Four cameras with ultra wide-angle lenses | Eliminate blind spots | ✓ | ✓ |
| Real-time 360° view | Fast and smooth image delivery | ✓ | ✓ |
| Self-monitoring of images | No frozen images, only real-time views on monitor | ✓ | ✓ |
| On-site calibration | No third party delays or need for specialist workshop | ✓ | ✓ |
| Configurable viewing distance | Range can be tailored to the work environment | ✓ | ✓ |
| Bespoke vehicle icon | Recognisable vehicle on monitor | ✓ | ✓ |
| E-mark approved | Type approval to ECE Regulation 10 R4 | ✓ | ✓ |
| CE and FCC Certification | Tested and passed | ✓ | ✓ |

Choose between Elite and Select

| Features | Benefits | 360° Elite | 360° Select |
|---|---|-----------------------------|---------------------------|
| Customisable triggers | Best view of each manoeuvre | Bespoke views 8 triggers | Fixed views 3 triggers |
| Dual views on monitor | View the most critical areas | Bespoke image views | Fixed dual views |
| Customised joins between camera images | Seamless surround image optimised for your vehicle | Extensive | ✓ |
| Flexible camera positioning | System will still be accurate if cameras installed off-centre | Extensive | ✗ |
| Full-screen 360° view | Entire screen can be devoted to the 360° view | ✓ | ✗ |
| Automatic light balancing between camera images | Easy to view, balanced image | ✓ | ✗ |
| 'Pie dish' effect | Reduced image stretch, so that distant people and objects appear recognisable | ✓ | ✗ |
| Vehicle outline displayed on image | See actual vehicle footprint on screen when cameras fitted within vehicle perimeter | ✓ | ✗ |



For 40 years ECCO has designed and manufactured some of the world's most effective and innovative visual and audible warning equipment for commercial vehicles, providing superior protection and enhanced safety both on job sites and out on the road.



ECCO 7960A

- SAE Class I LED
- 11 flash patterns
- Hi/Lo intensity
- Encapsulated electronics for severe vibration applications
- Aluminium base

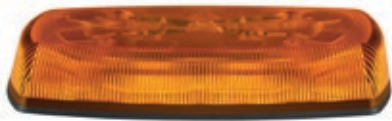
| Part No. | Colour | Mount | Voltage | Amps (12V) | Watts |
|----------|--------|------------------|--------------|------------|-------|
| 7960A | Amber | 3 bolt / 1" pipe | 12-24V multi | 3.7A | 45W |
| 7960A-VM | Amber | Vacuum magnet | 12-24V multi | 3.7A | 45W |



ECCO 7660A

- SAE Class I LED Hybrid
- Hybrid LED / rotating warning signal
- No gears, brushes or bulbs to wear out
- LED optics produce intense rotating beam
- UV hard-coated lens reduces abrasion, cracking, fading
- Aluminum base

| Part No. | Colour | Mount | Voltage | Amps (12V) | Watts |
|----------|--------|---------------|--------------|------------|-------|
| 7660A | Amber | 3 bolt | 12-24V multi | 2.1A | 25W |
| 7660A-VM | Amber | Vacuum magnet | 12-24V multi | 2.1A | 25W |



ECCO 5585A

- SAE Class I LED, 15"
- Reflective LED modules
- 18 flash patterns
- Synchronization capable
- Cigarette plug adapter with on/off and flash pattern switches (magnet models)

| Part No. | Colour | Mount | Voltage | Amps (12V) | Watts |
|----------|--------|---------------|--------------|------------|-------|
| 5585A | Amber | 4 bolt | 12-24V multi | 5.1A | 61W |
| 5585A-MG | Amber | Magnet | 12-24V multi | 5.1A | 61W |
| 5585A-VM | Amber | Vacuum magnet | 12-24V multi | 5.1A | 61W |



ECCO Magnetic Rechargeable LED Work Lamp

The magnetic rechargeable LED worklamp from ECCO features a high intensity 600 lumen flood beam and three operating modes (100% intensity, 30% intensity & SOS flashing), this heavy duty battery powered worklamp combines mobility with high performance and a compact design. The long-life, lithium rechargeable battery allows the worklamp to be operated for 3-4 hours before recharging is required.

Application: Flagging stations, roadside assistance, and scene lighting

Features

- Five 3-watt LEDs
- Rechargeable Lithium Battery
- Charge time less than 7 hours
- Run time on battery is 3 to 4 hours
- Aluminum heatsink housing
- Stainless steel mounting bracket
- Polycarbonate lens
- Dim (DxWxH): 3.9x4.5x9.1" (100x115x230mm)
- Weight: 1.27 lbs (0.77 kg)

| Part No. | Description | Beam | eLumens | Voltage | Amps (12V) | Watts |
|-----------|--|-------|---------|--------------|------------|-------|
| EW2461-AU | Work lamp with 240V Australian AC plug charger | Flood | 1150 Lu | 12-24V multi | 3.2A | 38W |
| EW4003 | Replacement DC cigarette socket charger | NA | NA | NA | NA | NA |
| EW4004 | Replacement handle | NA | NA | NA | NA | NA |



ECCO 5.6" LCD Colour Wireless System

ECCO wireless camera system utilises ECCO's unique monitor and camera design. Comprising a feature-packed 5.6" LCD high-resolution touch screen colour monitor and CMOS colour infrared camera, the EC5605-WK delivers excellent picture quality even in low-light conditions. The compact monitor allows for unobtrusive installation without compromising viewable screen area. This colour wireless system is expandable up to 4 cameras.

Features

- 2.4 GHz digital wireless system
- Touchscreen menu control
- Internal controller
- CMOS infrared 11 LED camera
- Includes monitor sunshade
- Includes anti-glare screen protector
- Four camera expandable
- One year warranty

Monitor Specifications – (Model: EC5605-WM)

5.6" colour monitor featuring audio, day/night light sensor, remote control and sunshade. Expandable up to four cameras. 12-24 VDC operation with R10, E13, FCC, CE, RoHS, and C-Tick approvals.

Camera Specifications – (Model: EC2014-WC)

Includes a day/night sensor, microphone, and 11 infrared LEDs. Features 12-24 VDC operation with a 10G mechanical vibration rating and IP69K, R10, FCC, CE, RoHS, and C-Tick approvals.

Application: On-road applications, long-haul trucks, light trucks, utility vehicles, delivery trucks, garbage trucks

| Part No. | Description |
|-----------|--|
| EC5605-WK | Full LCD Colour Wireless System (includes both LCD monitor and camera) |
| EC5605-WM | 5.6" LCD high-resolution touch screen colour monitor only |
| EC2014-WC | CMOS infrared 11 LED camera only |



Preco has been designing and manufacturing effective and innovative visual and audible warning solutions for over 40 years, providing customers worldwide with enhanced protection and increased safety. As a leading manufacturer of back-up alarms and warning lights, Preco delivers highly effective and reliable products utilising the latest technology.



Preco MF Series Back-up Alarm (Multi-Frequency)

The Multi-Frequency back-up alarm provides a safe warning signal for those in the danger zone of backing vehicles while minimizing disturbance to work site neighbors. This alarm operates by emitting sound at multiple frequencies attenuated above 4000Hz so that the sound is perceived to dissipate more quickly than a conventional pure-tone alarm.

Features

- Universal mounting bracket
- Uses 'Narrow Band' technology
- SAE J994 Type F & B, AMECA, ECE R10
- MF102, MF107 - Vehicle Life Warranty
- Sealed in epoxy for protection against dust, moisture, and vibration
- Dim (DxWxH): 3.2x7.0x4.0" (81x178x102mm)
- Weight: 2.5 lbs (1.13 kg)

Application: for confined or densely populated work areas where noise pollution needs to be minimised

| Part No. | Description | Loudness (dB) | SAE J994 | Voltage | Amps (12V) | Watts |
|-----------|--|---------------|----------|--------------|------------|-------|
| PRE-MF102 | Multi-frequency self-adjusting back-up alarm | 102 dB | Type F | 12-24V multi | 0.6A | 7.2W |
| PRE-MF107 | Multi-frequency self-adjusting back-up alarm | 107 dB | Type B | 12-24V multi | 0.8A | 9.6W |



Preco 1050 Series Class I Directional LED

The 1050 high output LED directional light meets SAE Class I requirements for light output and provides the convenience of either single bolt-bracket mount with thru-bolt wiring or conventional surface mount. Featuring a clear polycarbonate lens with four LEDs that illuminate amber, warning capability can be customized by selecting from 24 flash patterns and synchronizing multiple heads simultaneously or alternately.

C

B

A

G

R

- 24 flash patterns
- Die-cast base and polycarbonate lens
- Weatherproof IP67 Rating
- SAE J595 Class I
- Temperature Range: -22°F to +122°F
- Colours: Clear, Amber, Blue, Green, Red
- Warranty: 1 year

| Part No. | Colour | Voltage | Amps (12V) | Watts |
|----------|--------|--------------|------------|-------|
| 1050C | Clear | 12-24V multi | 0.7A | 25W |



FEDERAL SIGNAL

From warning lights to sirens and strobes, no one puts their name on a more industrial audible and visual signalling devices and communication systems. For a total understanding of what it takes to make your workplace work smarter and safer, turn to Federal Signal for a Total Solution.



Designed for high ambient noise areas

Model 52 Resonating Horns

The Federal Signal Model 52 resonating horn produces 114dBa @ 10 feet (124dBa @ 1m) with a 1,000 foot range. It is capable of penetrating high ambient noise levels. Being electrically-activated, the Model 52 does not require an air compressor for operation. The Model 52 is able to withstand the shocks, vibrations, dust and atmospheric conditions encountered in off-road use. The operating temperature range is -40°F to 185°F (-40°C to 85°C).

Rubber gaskets and a power connector make the Model 52 completely watertight. The projector and internal parts are made of zinc-coated steel or stainless steel to resist corrosion; the exterior is sealed with grey enamel paint. The housing is die-cast aluminium. Tied and adhesive-bonded internal wiring helps prevent electrical shorts, wire breakage, and loose connections. The Model 52 is available in 24VDC. It's 18-32V operating range allows for voltage inconsistencies. The Model 52 has a duty cycle of five minutes on and five minutes off.

Federal Signal's Model 52 resonating horn is specifically designed for off-road vehicles. It provides the very loud sound for which an air-horn is usually required, but without the need for an expensive compressor.

Used by major manufacturers of mining and construction equipment, Model 52 resonating horns suit the warning needs of any off-road vehicle working in a high noise environment, including excavators, backhoes, compactors (steamrollers), loaders, tractors, bulldozers, trenchers, and scrapers.

Quick Tech Specs

| | |
|-------------------|-----------------------------|
| Decibel Output | 114dBa @ 10' (124dBa @ 1m) |
| Voltage | 24V DC |
| Operating Current | 4.0A @ 24V DC |
| Operating Temp | -40°C to 85°C |
| Duty Cycle | 5 minutes on, 5 minutes off |
| Enclosure Rating | Type 4X |
| Mount | Surface mount with flanges |

Features

- Available in 24VDC
- Withstands extreme outdoor conditions
- Produces 114dBa @ 10' (124dBa @ 1m)
- Surface mount with flanges
- Type 4X enclosure
- Dim (HxWxD): 8.5x7.5x21.5" (216x190.5x546mm)
- Weight: 10 lbs (4.54kg)

Application: Off-road vehicles, heavy equipment, mining and construction

| Part No. | Description | Voltage | Amps | Decibel Output |
|----------|--------------------------|---------|---------------|----------------------------|
| 52-024-1 | Model 52 resonating horn | 24V DC | 4.0A @ 24V DC | 114dBa @ 10' (124dBa @ 1m) |

Vehicle Identification



APS LED Vehicle Identification Display (VID)

Visibility of Call Sign decals or ID numbers is of key importance at all times to ensure correct identification of heavy vehicles, water carts and other machinery. APS Vehicle Identification Display panels positively identifies vehicles on the job-site. Built tough, durable and rugged for harsh mining and construction environments having been field-tested for over 10 years.

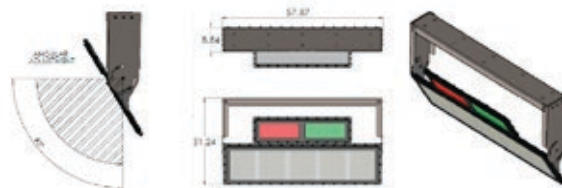


| Part No. | Description |
|--------------------|--|
| VID-2N12L-24V-A | 2-digit numeric display, 304mm (12 inch) character height, 24V DC, 8W, Amber |
| VID-3N12L-24V-R | 3-digit numeric display, 304mm (12 inch) character height, 24V DC, 12W, Red |
| VID-3N12L-24V-A | 3-digit numeric display, 304mm (12 inch) character height, 24V DC, 12W, Amber |
| VID-3C12L-24V-A | 3-character alpha-numeric display, 304mm (12 inch) character height, 24V DC, 36W, Amber |
| VID-S10-2 | Mounting brackets for 2 to 4-digit/alpha-character 304mm (12 inch) displays |
| VID-S18-2 | Mounting brackets for 1-character 457.2mm (18 inch) displays |
| VID-S24-2 | Mounting brackets for 1-character 609.6mm (24 inch) displays |
| VID-S36-2 | Mounting brackets for 1-character 914.4mm (36 inch) displays |
| VID-PC-EXT-50-1 | 50ft (15.24m) power extension chord for LED and Backlit displays, two wire and Deutsch connector |
| VID-PC-EXT-50-2 | 50ft (15.24m) power extension chord for LED and Backlit displays, Deutsch connector both ends |
| VID-PC-EXT12-2Y | Power Chord Splitter 2 VID's for 2 to 4-digit/alpha-character 304mm (12 inch) displays |
| VID-PC-EXT12-3Y | Power chord splitter 3 VID's for 2 to 4-digit/alpha-character 304mm (12 inch) displays |
| VID-PC-EXT18/24-2Y | Power chord splitter 2 VID's for 1-character 457.2mm (18 inch) and 609.6mm (24 inch) displays |
| VID-PC-EXT18/24-3Y | Power chord splitter 3 VID's for 1-character 457.2mm (18 inch) and 609.6mm (24 inch) displays |
| VID-PC-EXT36-2Y | Power chord splitter 2 VID's for 1-character 914.4mm (36 inch) displays |
| VID-PC-EXT36-3Y | Power chord splitter 3 VID's for 1-character 914.4mm (36 inch) displays |



APS 5-character LED Vehicle Identification Display (VID) with Traffic Alert

The 5-character LED VID with traffic alert by APS is built on the same durable and robust design as the other VID products. This unit includes the additional red and green traffic alert system and 5 character LED display, which is visible for up to 152.4m (500ft).



| Part No. | Description |
|---------------|---|
| VID-5C12T-ARG | APS 5-character LED Vehicle Identification Display with Traffic Alert |



APS Backlit Vehicle Identification Display (VID) Panels

The APS backlit VID panels feature backlit technology, and reflective and translucent bold font for optimum day or night visibility. Available with any number, letter or symbol, these VID panels are visible even when not under power.



| Part No. | Description |
|--------------------|--|
| VID-BL1C18-BK-24V | 1-character display, 457.2mm (18 inch) character height, 24V DC, 50W |
| VID-BL1C24-BK-24V | 1-character display, 609.6mm (24 inch) character height, 24V DC, 80W |
| VID-BL1C36-BK-24V | 1-character display, 914.4mm (36 inch) character height, 24V DC, 100W |
| VID-BL2C12-BK-24V | 2-character display, 304mm (12 inch) character height, 24V DC, 60W |
| VID-BL3C12-BK-24V | 3-character display, 304mm (12 inch) character height, 24V DC, 90W |
| VID-BL4C12-BK-24V | 4-character display, 304mm (12 inch) character height, 24V DC, 120W |
| VID-S10-2 | Mounting brackets for 2 to 4-digit/alpha-character 304mm (12 inch) displays |
| VID-S18-2 | Mounting brackets for 1-character 457.2mm (18 inch) displays |
| VID-S24-2 | Mounting brackets for 1-character 609.6mm (24 inch) displays |
| VID-S36-2 | Mounting brackets for 1-character 914.4mm (36 inch) displays |
| VID-PC-EXT-50-1 | 50ft (15.24m) power extension chord for LED and Backlit displays, two wire and Deutsch connector |
| VID-PC-EXT-50-2 | 50ft (15.24m) power extension chord for LED and Backlit displays, Deutsch connector both ends |
| VID-PC-EXT12-2Y | Power Chord Splitter 2 VID's for 2 to 4-digit/alpha-character 304mm (12 inch) displays |
| VID-PC-EXT12-3Y | Power chord splitter 3 VID's for 2 to 4-digit/alpha-character 304mm (12 inch) displays |
| VID-PC-EXT18/24-3Y | Power chord splitter 3 VID's for 1-character 457.2mm (18 inch) and 609.6mm (24 inch) displays |
| VID-PC-EXT36-2Y | Power chord splitter 2 VID's for 1-character 914.4mm (36 inch) displays |
| VID-PC-EXT36-3Y | Power chord splitter 3 VID's for 1-character 914.4mm (36 inch) displays |



True North Gear offers a range of packs and equipment designed specifically for the Industrial worker. All packs feature a patented suspension system that attaches the shoulder straps to the outside of the pack so that the load is pulled in and held securely against you. True North offer a range of Wildfire packs, Search & Rescue packs, Structural Fire Fighting gear, Nomex Fleece, Travel, Campaign & Gear bags, Radio & Chest Harnesses.



Dual Radio Harness

Redesigned for greater comfort and function! Now featuring side-zip on internal pocket for faster access, and redesigned radio holders for ease of use. The unique suspension system keeps radio harness comfortably on your chest, without sagging or swinging.

- For Bendix King, Motorola, Icom, Thales, M/A-COM and Kenwood radios
- Both radio pockets are the same size
- Mesh back plate allows airflow, eliminates multiple straps
- Pocket for writing tools, penlight, etc
- Large map/notebook pocket
- Pocket for spare battery or phone
- Can mount directly to your line pack shoulder harness with Integration Straps
- Slots for holding two pens
- Zippered front pocket for Kestrel or GPS
- NFPA 1977 Certified



Stealth Radio Harness

Ergonomic design combines a rounded shape with True North's proprietary internal suspension so the harness sits comfortably on your chest, without sagging or swinging.

- Small footprint
- Lightweight - only 0.5 lbs
- Materials: 1000D Cordura®, Nylon Webbing, Nylon Hardware
- NFPA 1977 Certified



Firefly Medic

This medic bag features include a drop-front opening for full, quick access, removable color-coded organizer pouches, two separate pockets for personal gear, zippered clear vinyl pockets for small meds and bandages, and an optional O2 case (attaches to bottom of pack). NFPA 1977 Certified.

- SCS™ patented shoulder strap design
- Drop front opening for full, quick access
- Removable color-coded organizer pouches Velcro® in/out
- Two separate pockets for personal gear
- Color coded organizer pockets
- Zippered clear vinyl pockets for small meds and bandages
- 100oz (3L) Hydration pocket (reservoir not included)
- Optional O2 case (fits to bottom of pack)
- NFPA 1977 Certified

| Part No. | Description | Colour | Size | Weight |
|----------|--|--------|----------|-------------------|
| FF500 | Firefly Medic Pack - Wildland | Black | Small | 6 lbs (2.72kg) |
| FF510 | Firefly Medic Pack - Wildland | Black | Standard | 6 lbs (2.72kg) |
| FF600 | Firefly Medic Pack - SAR (Search & Rescue) | Black | Small | 6.25 lbs (2.83kg) |
| FF610 | Firefly Medic Pack - SAR (Search & Rescue) | Black | Standard | 6.25 lbs (2.83kg) |
| D1652 | Radio Dual Harness - Chest | Black | N/A | 0.8 lbs (3.63kg) |
| D1653 | Radio Single Universal Harness - Chest | Black | N/A | 0.65 lbs (0.3 kg) |
| RH350 | Radio Harness Stealth | Black | One size | 0.5 lbs (0.23kg) |



Dragon Wear is True North Gear's latest brand name addition to its Nomex Fleece range. DragonWear provides lightweight, breathable, wind-resistant, water-repellent warmth that's fire & arc resistant. The permanent protection of Nomex won't melt or drip and - best of all - it won't wash out. Many of their garments are water-repellent, or moisture wicking/quick drying for unmatched comfort on the job.

HRC1 Single base layer of FR protection. Required minimum Arc Rating 4 cal/cm². HRC (Hazard Risk Category) is used to determine the necessary arc rating of a garment worn during a given job task.

NFPA 70E National Fire Protection Administration standard for electrical safety in the workplace.

HRC2 One or more layers of FR protection. Required minimum Arc Rating 8 cal/cm². HRC (Hazard Risk Category) is used to determine the necessary arc rating of a garment worn during a given job task.

NF PA 2112 National Fire Protection Administration standard for protection of industrial personnel against flash fire.



Power Dry® Dual Hazard Hi-Vis Shirt

- Inherently fire and arc resistant stand-alone baselayer
- 3M Scotchlite™ segmented silver reflective
- Polartec® moisture wicking technology
- Highly breathable and dries quickly
- Extra-long hem with flat-lock seam construction
- Yellow shirt has navy fabric on wrists
- Fabric: Polartec® Power Dry FR®: Fire-resistant 6.4oz with Rayon, Modacrylic, Para-aramid

HRC2
NFPA 70E
NF PA 2112

Arc Rating 8.1 cal/cm²

| Part No. | Description | Colour | Sizes |
|----------|--------------------------------|-----------------|------------------------|
| DFH04x | PowerDry Hi-Viz Shirt (6.4 oz) | ANSI 107 Yellow | SM, MD, LG, XL, 2X, 3X |
| DFH05x | PowerDry Hi-Viz Shirt (6.4 oz) | CSA Z96 Orange | SM, MD, LG, XL, 2X, 3X |

Key for x: 0 = SM (Small) 1 = MD (Medium) 2 = LG (Large) 3 = XL (Extra Large)
4 = 2X (2XL) 5 = 3X (3XL)



Power Grid™ 1/4 Zip Dual Hazard Shirt

- Inherently fire and arc resistant stand-alone baselayer
- Moisture wicking, jersey microfiber face for easy layering
- Lofted, grid structured fleece enhances airflow and dry time
- ¼ Zip neck with stand up collar
- Extra-long hem with flat-lock seam construction
- Polartec® Power Stretch® FR Fabric 9.2oz/sq yd – Rayon, Modacrylic, Para-aramid, Spandex and DuPont™ Nomex® Thread

HRC2
NFPA 70E
NF PA 2112

Arc Rating 15 cal/cm²

| Part No. | Description | Colour | Sizes |
|----------|--|------------|------------------------|
| DFB20xDH | PowerGrid 1/4 Zip Dual Hazard Shirt (9.2 oz) | Black | SM, MD, LG, XL, 2X, 3X |
| DFB23xDH | PowerGrid 1/4 Zip Dual Hazard Shirt (9.2 oz) | Steel Grey | SM, MD, LG, XL, 2X, 3X |

Key for x: 0 = SM (Small) 1 = MD (Medium) 2 = LG (Large) 3 = XL (Extra Large)
4 = 2X (2XL) 5 = 3X (3XL)



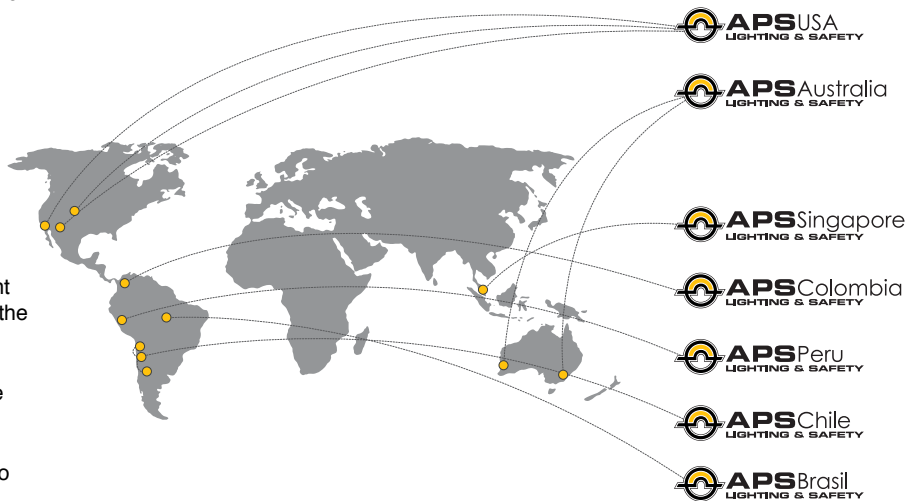
Global reach - Local knowledge - Logistics & Handling expertise

APS USA procurement specialists have more than 20 years of experience in procuring electrical and safety products for our clients internationally.

We provide our clients:

- Substantial cost savings
- Established USA and Australian facilities and the highest level of integrity
- International logistics and handling experience
- Reliable delivery
- When you partner with us, you let your management team focus on their core business while we handle the procurement and supply of non-core purchases.

APS will negotiate the best deal, and then coordinate the purchase at every stage of the supply process ensuring quality of service and reliability. Allow us to use our knowledge, purchasing capacity and logistics expertise to minimise your costs and provide real value



Our Partners

APS is the agent and master distributor for a select range of high quality lighting, vehicle safety and workplace safety products that are built to last.

Our distribution partnerships mean you – the client, will have the products you require on time. We also provide you with full support within a particular country, which includes stock and procurement services.

Our international network means that we can provide products when and where it is needed.

Lighting



Vehicle Safety



Other





NOTES

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REDUCING RISK, WHILE IMPROVING SAFETY AND PRODUCTIVITY



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