

Lighting and Lamps Line Guide



Bright Ideas. Brilliant Performance. For common to complex application or custom-engineered off-highway lighting, trust Honeywell Sensing and Control (S&C). Each light is designed to excel in the most rugged environments, withstanding shock, vibration or extreme-weather condition. We also offer a wide variety of sizes, beam patterns, mounting configurations — critical built-in features for full-line flexibility.

From agricultural and heavy construction equipment to recreational, marine, and factory vehicles — virtually any off-road application — application expertise and process-

driven engineering means enhanced performance, extended productivity and increased safety. With a product lineup including:

- Halogen swivel mount lamps
- Replacement sealed beams
- Composite halogen lights
- Round halogen lamps
- Portable work lamps
- High-intensity discharge lamps
- Halogen marine lamps
- Custom vehicle lighting

FEATURES

MARINE LIGHTS

Halogen & HID Marine Lamp Series.

Features: Completely weatherproof

- Compact size
- Shock resistant housing can withstand up to 6 G of vibration
- Stainless steel hardware
- Sealed beam construction
- Flood pattern illuminates an area 80° wide by 30° long
- Spot pattern projects a narrow beam of light up to 1000 ft

Benefits: Totally sealed against moisture ingress. Stainless steel hardware prevents rust and corrosion while the borosilicate glass lens resists cracking and warpage preventing distortion and lens discoloration. Potential applications include engine-compartment lighting, deck lighting, emergency lighting, shrimp and fishing boats, off-shore oil rigs, ocean vessels, barges, dry-dock lighting, freighters and tankers, and pleasure craft.

High Intensity Discharge (HID) Marine Lamp Series.

Features: Completely weatherproof

- Significantly more efficient
- Produces nearly four times more light output than a standard halogen lamp
- Shock resistant housing
- No filament

Benefits: Lasts up to six-times longer than standard halogen lights. Features an internal electronic bulb/igniter/ballast system for maximum component protection and simplified installation. Potential applications include deck lighting, emergency lighting, shrimp and fishing boats, off-shore oil rigs, ocean vessels, barges, dry-dock lighting, freighters and tankers, and pleasure craft.

CUSTOM DESIGN LIGHTING Custom Designs.

Honeywell is an essential source for reliable electromechanical and diversified components throughout the world. A major reason is the close relationships developed with our customers. Because of these established relationships, many customers have asked us to develop products beyond our existing product line. Products are developed using our Rapid Development Processes.

Unique shapes, sizes, fits, and/or finishes are standard for us. No matter how rugged or challenging the application, all our custom lighting products will take shock, vibration, and other extreme service conditions in stride. Custom lighting may be designed for a number of potential applications, including off-highway vehicles, agricultural and construction equipment, industrial, and marine.

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Lighting the way.

So trust Honeywell S&C every step of the way. Industry-leading designs, for value-added solutions. Top-drawer products, or completely customized creations. All with one-stop convenience, designed to meet any industry's requirements or any company's needs.

It may seem you have 'impossible' needs and deadlines, the experts at Honeywell are ready with powerful lighting and lamp options, as well as value-added capabilities no other company offers. Honeywell delivers enhanced performance, reliability and safety in compact, cost-effective packages.



Marine Lights

	Halogen Marine Lamp	HID Marine Lamp
Type	rectangular halogen	rectangular HID
Size	76,2 mm x 127,0 mm [3 in x 5 in], 101,6 mm x 152,4 mm [4 in x 6 in]	127 mm x 127 mm x 152,4 mm [5 in x 5 in x 6 in]
Beam pattern	flood, spot, trapezoid	flood, spot, trapezoid
Voltage/wattage	12 Vdc, 50 W; 24 Vdc, 60 W	12 Vdc, 35 W (42 W total); 24 Vdc, 35 W
Current	4 A, 3 A	3 A
Mounting	stud, flush	stud



Custom Design Lighting

Custom Designs

Type	Custom designed lights improve aesthetics for OEM equipment. Honeywell's robust design features are included to meet customer specifications. Value enhancements using Honeywell sensors and controls can bring added functionality and monitoring to each system.
Size	
Beam pattern	
Voltage/wattage	
Current	
Mounting	
Approvals	



Halogen Work/ Driving Lights

Rectangular Lamp

Rectangular Lamp

PAR 36 Round Lamp

	Rectangular Lamp	Rectangular Lamp	PAR 36 Round Lamp
Type	rectangular halogen swivel mount	rectangular halogen swivel mount	round halogen
Size	101,6 mm x 152,4 mm [4 in x 6 in]	76,2 mm x 127,0 mm [3 in x 5 in]	114,3 mm x 114,3 mm [4.25 in x 4.25 in]
Beam pattern	wide flood, narrow flood, trapezoid, spot, HI-LO driving	wide flood, wide flood with switch, narrow flood, trapezoid, spot	Wide flood, trapezoid
Voltage/wattage	12 Vdc, 50 W; 24 Vdc, 60 W	12 Vdc, 50 W	12 Vdc, 50 W
Current	4 A, 2.5 A, 3 A/5 A	4 A	4 A
Mounting	stud 12,7 mm [0.5 in]; universal, ball/socket, flush, one-piece swivel	stud 12,7 mm [0.5 in]	stud 12,7 mm [0.5 in]



HID Work Lights

Compact Lamp

Rectangular Lamp

	Compact Lamp	Rectangular Lamp
Type	high intensity discharge	high intensity discharge
Size	127 mm x 127 mm x 152,4 mm [5 in x 5 in x 6 in]	127 mm x 177,8 mm x 152,4 mm [5 in x 7 in x 6 in]
Beam pattern	flood, trapezoid, spot	wide flood, medium flood, trapezoid, spot
Voltage/wattage	12 Vdc, 3.5 W; 24 Vdc, 3.5 W	12 Vdc, 35 W; 24 Vdc, 35 W
Current	—	—
Mounting	stud 12,7 mm [0.5 in]	stud 12,7 mm [0.5 in], M14 stud
Approvals	upon request	CE

HALOGEN WORK/DRIVING LIGHTS Rectangular Lamps.

Features: Highly efficient lighting patterns

- Sealed to the environment
- Often resistant to extreme temperatures and thermal shock failures
- Constructed of durable, vibration-resistant materials
- Securing hardware is rust-resistant, high B50 rating
- Reflectors are vacuum metalized
- Borosilicate glass lenses resist thermal shock and cracking
- Can be added to any heavy-duty equipment
- Extended eyebrow version available in 3 x 5 version

Benefits: Vibration and shock resistant for extended life in severe duty. Hollow mounting stud for simplified installation; only one hole required for mounting and wiring. Potential applications include agriculture and construction equipment, material handling, paving equipment, mining equipment, service vehicles/trucks, airport de-icing vehicles, street sweepers, snow grooming equipment, man lifts, floor cleaners, and snow-making equipment.

PAR 36 Round Lamp Series.

Features: Virtually the same 4.5 in diameter lamps that have been factory-installed on popular makes of combines and tractors

- Perfect choice as heavy-duty replacements for cab and fender-mounted lamps used in agriculture equipment
- Highly efficient lighting patterns
- Sealed to the environment
- Often resistant to extreme temperatures and thermal shock failures
- Constructed of durable, vibration-resistant materials
- Lens made from borosilicate glass for thermal shock resistance

Benefits: Heavy-duty mounting hardware is rust resistant. Vibration and shock resistant for extended life in severe duty. Potential applications include traditional agricultural equipment applications, such as tractors and combines.

HID WORK LIGHTS Compact HID Work Lights.

Features: Three highly efficient lighting patterns

- Sealed to the environment (IP67 rated)
- Often resistant to extreme temperatures and thermal shock failures
- No filament to fail
- Constructed of durable, vibration-resistant materials

Benefits: Can withstand 10 G of vibration on three planes. Totally sealed against dust. Produces three times the light output of a halogen with up to 35 % less load on electrical system. Potential applications include marine equipment, construction equipment, agricultural equipment, industrial equipment, and automotive aftermarket applications.

Rectangular HID Work Lights.

Features: Highly efficient lighting patterns

- Sealed to the environment
- Often resistant to extreme temperatures and thermal shock failures
- Constructed of durable, vibration-resistant materials
- Three times the output of standard halogen
- Five to ten times the life of a standard halogen
- Simple installation

Benefits: Produces three times the light output of a halogen with up to 35 % less load on electrical system. Internal ballast/igniter system produces almost white daylight spectrum light. Potential applications include marine equipment, construction equipment, agricultural and turf care equipment, industrial equipment, and automotive aftermarket applications.

Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

For more information about Sensing and Control products, visit www.honeywell.com/sensing or call +1-217-753-7773 or 217-753-7798. Email inquiries to info.sc@honeywell.com

**⚠ WARNING
PERSONAL INJURY**

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

**⚠ WARNING
MISUSE OF DOCUMENTATION**

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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