



JOB SITE LIGHTING

NOTHING IS HOTTER THAN COOL-RUNNING LEDS

It's official, LED lighting has conquered the marketplace. With just a few exceptions, LEDs have taken over every job site lighting task from compact handheld task lights to mast-mounted wide area floods. These leading manufacturers are lighting the way.

DEWALT

DEWALT's industry leadership and innovation has accelerated dramatically in recent years and is personified in power and hand tools and accessories such as the new model DCL070 large area light and DCL044 handheld LED task light.

"For broad area lighting applications, the new DEWALT model DCL070 20V Max* corded/cordless Bluetooth LED large area light packs a host of smart

convenience features," begins Tracy Moran, senior product manager. "It works as a cordless light or charger and illuminates work areas with a maximum of 7,000 lumens. With AC/DC capability, the light runs off any DEWALT 20V MAX* battery and can also charge DEWALT slide pack batteries when plugged into AC power. Batteries are protected via a door lock option, providing security with versatility."

The DCL070 features instant on/off with no warm-up, can dim as low as 500 lumens and is stackable with a wheel option for convenient storage. Users can connect multiple units for added illumination or to power a corded tool.

The DCL070 works with the DEWALT Tool Connect app, allowing it

DEWALT's job site lighting solutions include the model DCL044 handheld LED light and the programmable DCL070 20V Max* corded/cordless Bluetooth LED large area light.



to be controlled from a user's smart phone or tablet. The light can also be programmed to turn on or off at scheduled times automatically.

DEWALT's solution for enclosed-area or ultra-portable task lighting needs is the model DCL044 20V MAX* handheld LED light.

"The DCL044 features a replaceable lens that users can swap out when it gets dirty or scratched," Moran says. "It provides up to 160 lumens of light and has a 0- to 360-degree pivoting head that allows the light to be used in a variety of positions."

When used with the DEWALT 20V MAX* 2.0-Ah Lithium-ion battery, the DCL044 provides up to 11 hours of runtime.



Bosch's handy model GLI18V-420 18-volt worklight has a dial that allows the user to adjust the beam for high-intensity close-quarters work or wide area lighting.

BOSCH

There's no place where light is more important than on the job site. At 420 lumens, the Bosch GLI18V-420 18V work light provides the brightest illumination in its class with a three LED-design. In addition, it can brighten dark work areas at different angles and offers an adjustable light beam for spot/flood applications.

The three LEDs in this work light offer the best illumination for a pocket-sized unit so users can light virtually any hard-to-reach, dark-corner work area on the job site. And the Bosch GLI18V-420 Work light provides a dial to adjust light diffusion. Users are able to shine a high-intensity spot-light on a specific area where it's most needed or can turn a control dial to diffuse light in illuminating a larger area.



STEVENS

The Bosch 18V work light comes with an adjustable bracket, which provides users with nine different light-angle settings. It also includes a hard rubber strap for mounting the work light to enable targeted illumination of the work area.

"The Bosch GLI18V-420 18V work light is a job site advantage in a convenient package," said Jim Stevens, product manager, lighting tools, Robert Bosch Tool Corporation. "Good lighting is an asset on any job site. Bosch GLI18V illumination adds an extra level of versatility that sets it apart from other lighting options."

The Bosch GLI18V-420 18V light works with the Bosch 18-volt battery system, which provides outstanding continuous runtime of up to 13.5 hours on the 6.0-Ah battery. The unit is job site ready thanks to a tough exterior housing and an aluminum heat sink.

MAKITA

Cordless LED job site lighting is bringing contractors maximum portability and convenience, but without the high heat of halogens or the potential trip hazard of a power cord. With Makita cordless lighting solutions, contractors get high lumens for increased visibility while using the same 18-volt batteries that power over 150 other 18V LXT tools.

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Makita's model DML805 cordless/corded LED floodlight can run on Makita 18-volt batteries and delivers 750 lumens at full brightness.

"For maximum illumination Makita offers the 18V LXT cordless/corded LED floodlight," begins Carlos Quintana, Makita senior product manager for cordless. "The DML805 provides bright and even lighting for large work spaces, with 750 lumens at full brightness and 450 lumens on low. The fast-charging 18V LXT 4.0-Ah battery (sold separately) delivers 10.5 hours of continuous illumination on a single charge. For use in harsh conditions, the DML805 features Extreme Protection Technology (XPT) that improves dust and water resistance."



QUINTANA

The DML805 can be mounted on an optional tripod either individually or in pairs, or an optional pipe clamp can be clamped to scaffolding, pipes or other materials.

"Another optional accessory is the Anti-Glare film, which mounts over the light's lens and will reduce glare produced by the light for a clearer view of the work area," Quintana continues. "The anti-glare film's thin design reduces glare while allowing the maximum amount of light to pass through. The DML805 also offers cordless and corded operation."

Among Makita's compact and portable lighting solutions is the 18V LXT LED lantern/flashlight, model DML806. This 2-in-1 work light has three modes: 180- or 360-degree lantern and flashlight, allowing the user light an entire work area or a specific task or work surface.

For maximum portability, the model DML802 18V LXT LED flashlight provides 200 lumens of light, with a 12-position aluminum pivoting head and metal hanging hook.

CONSTRUCTION ELECTRICAL PRODUCTS

Over the past five years, Construction Electrical Products (CEP) has been a leader in the industry-wide change to LED temporary lighting.

Before the development of productive LED lighting, a common job site issue was having the appropriate power provisions to supply the correct amount of temporary lighting. Now that LED drivers are more efficient, LED equivalent lights can replace anything from a 60-watt incandescent to a 1,000-watt metal halide — at a fraction of the wattage.

"As demand for safe and energy efficient light has skyrocketed, Construction Electrical Products has responded," says Bill Benschneider, director of industrial and electrical sales. "We now offer a full line of LED temporary lighting, including light strings, work lights, high bay and task lights. Our recently introduced CL120LED 120-watt LED high bay light is really taking off."

Although users pay a premium for this light compared to an equivalent 400-watt metal halide bay light, the CL120LED light pulls 70 percent less wattage than the metal halide, so users see significant savings over the life of the job.

To illustrate these savings, CEP now offers an LED savings calculator tool on its web site at www.cepnw.com. Customers can simply enter their values into the provided fields and automatically calculate their LED savings over traditional methods. Because a majority of jobs require temporary lighting to be operating at all times (in the case of temporary overhead lighting, 24 hours a day), kilowatt hour savings add up quickly.

"Construction Electrical Products will be introducing several new LED

Temporary Lights in 2017 including a fixture that can replace a 1,000-watt metal halide bulb," Benschneider says. "Don't get left in the dark. Visit us during World of Concrete at booth S-11650 or call us at (800) 678-3470."

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The newly released CL120LED 120-watt LED high bay light from CEP delivers 14,000 lumens and has a 15-amp female receptacle for daisy chaining fixtures.



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LARSON ELECTRONICS

Texas-based Larson Electronics provides rugged, explosion-proof lighting units and power distribution solutions for users as diverse as the oil industry, the military and Hollywood. One of Larson's latest product construction products is the WAL-SL-10-PAR38-LED work area string light of 10 industrial grade LED lamps with 10 feet of 14/2 SJTW cable between each lamp.

This temporary LED string light system is connected to power via an integrated 3-foot cable terminated with a standard 5-15 weather-proof straight blade plug. Each globe light is equipped with a high output LED bulb which delivers more light output than a 150 watt PAR38 lamp.

Each string is 100 feet of 14/2 SJTW cable with 10 feet between each lamp. The string is terminated in a 3-foot whip on the front and back for a total of 106 feet of durable, weather-proof string lighting.

"This LED light set is a far more energy-efficient bulb and provides 250,000 lumens of illumination over 50,000 hours, compared to the 2,500 hours offered by standard 150 watt PAR38 halogen lamps," states Rob Bresnahan, Larson's president.

Larson Electronics covers the gamut from handheld work lights to explosion-proof fixtures for the military and oil industries. The EPL-PM-150LED-100 explosion-proof LED light produces 17,500 lumens.



"The LED PAR38 lamps have a lower energy consumption, produce more light output and are more durable in harsh and abusive environments, which translates into less maintenance and huge savings long term."

FESTOOL

Festool doesn't skimp on the details and the recently released SysLite DUO work light is a perfect example. It delivers 8,000 lumens of evenly-diffused light over 180 degrees with a color temperature of 5,000 Kelvin.

Designed for the job site, the SysLite DUO provides color-correct illumination without hot spots and meets IP 55 standards for dust and water intrusion. Its optional tripod is designed to withstand years of service in the field.

The SysLite DUO is backed by the Festool's Service All-Inclusive warranty and comes with a Systainer 3 case which integrates with other Festool products for easy transportation and storage.

The SysLite DUO work light from Festool produces 8,000 lumens of 180-degree light at a "natural-light" temperature of 5,000 Kelvin. It can be used on the floor, hung from a nail or with an optional tripod.

"Job site lighting is more than just putting light in a room, it's about truly seeing the surface you're working on — in the correct color — without hot spots in the center," says Leo Zirkler, vice president of marketing at Festool. "With an LED service life of 10,000 hours, the SysLite DUO will provide unmatched lighting for many years to come."

ALERT STAMPING & MFG.

Recognizing the trend toward portability in LED work lighting, Alert Stamping has redesigned and upgraded its portable flood and handheld work light category. As LED's operate more efficiently the technology lends itself toward battery operation thusly aiding in field use portability. Alert Stamping

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incorporates the latest designs where its customers benefit.

"Portability is essential for today's contractor and Alert's COB (Chip on Board) LED emits high lumens in a rain-proof, compact size," says Ralph Technow, Alert's director of sales and marketing. "The rechargeable LFR20 is ideal for remote operation and can be used while charging — unlike halogen flood lights which require 120-volt electricity, run hot and are not rain proof."



For big jobs, Alert has added a corded 7,000-lumen COB flood light, model LF238T, on a 56-inch tripod with two independent tilting heads. Like all Alert floods, this model is also rain proof for outdoor use.

More contractors require on-the-job charging of phones, tablets and power tools, so Alert added a grounded outlet to the LFC20R. A user can charge the model LFR5 USB rechargeable COB hand light with the LFC20R's outlet.

"Maintaining our focus on portable use, Alert has designed high-cord-capacity enclosed retractable reels with carry handles. These 65-foot reels for 12/3 cord and 75-foot reels for 14/3 cords come with a steel ceiling or wall mounting bracket and can be removed with a simple cotter pin extraction for the field. The Alert model 8665TFQ reel has four breaker-protected outlets and a power indicator light. **CS**



Alert Stamping's growing line of LED job site lights includes the LF238T dual-COB flood light, handheld models like the KCR5 and the LFC20R floorstanding area light.

POWER DISTRIBUTION AND PORTABLE LIGHTING PROFESSIONALS



CEP CONSTRUCTION ELECTRICAL PRODUCTS

Since the 1970s, Construction Electrical Products (CEP) has served as the most complete source for your temporary power and lighting needs. Need a power source? Our in-house engineering and Custom UL 1640 manufacturing capability allow us to design and build to your custom specifications (up to 600 amps and 600 volts). Need lighting? Our LED lighting solutions range from 60 watt incandescent to 400 watt metal halide equivalents and everything in between.

We are dedicated to providing you with the safest and most economical methods for distributing power and delivering lighting to your job site — so you can get the job done right. **Contact us today.**

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