PART 2: ELECTRIC FREEZE WING DURING WINTER MONTHS

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Photo courtesy of Sylvania LEDVANCE



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HDL Arm Lock shown with RA04 Arm and CR36-B Stanchion



3HDS - 3" throat saddle shown with a cable secured by cable ties



CANADIAN PATENT Nos. 2,486,904 - 2,640,899

RA08 - 8" arm shown with three cables secured by cable ties.

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Protect Yourself Miller Safety Consultants — A Leader in Arc Flash Protection

Vince Miller started Miller Safety Consultants, a veteran owned business in 1999. The goal of the business was to provide cost effective safety consulting, employee training such as: confined space entry, fall protection, electrical safety and provide sales of electrical shock and flash protective equipment and fall protection equipment to businesses in the Washington DC area.

protectÚn products and much of the sales and training was on behalf of the supplier. In 2000, the owner decided to retire from his business, and Vince decided to discontinue the fall protectÚn line of his business and concentrate more in the electrical training and products.

company

PROFIL

Vince had been a distributor for Certified Insulated Products (CIP), a manufacturer of electrical insulated tools and electrical arc flash clothing manufactured by Otex in Rochester, New York. As a distributor, Vince provided sales through his internet website and much through relatÚnships with electrical contractors. His training was a classroom environment and was provided directly to customers but he also taught as a sub-contractor for other safety consulting companies and the

Reliance Industries provided fall Chesapeake Safety CouncŠ in Baltimore, Maryland. In 2005, Vince partnered with Vivid Learning Systems in Cascades, Washington to provide on-line training in safe work practices.

> Training in electrical safe work practices is stŠl provided locally in the Washington DC area and as a partner with an electrical engineering firm and online. The training is based on the OccupatÚnal Health and Safety AdministratÚn (OSHA) standards and the NatÚnal Fire ProtectÚn AssociatÚn (NFPA) 70E standard.

> MŠler Safety Consultants is now a distributor for Cementex USA, Burlington, New Jersey, for insulated tools and equipment and clothing from OTEX Protective, Rochester, New York. The majority of his sales of products

are from the web-based store. Cementex is natÚnally known for their quality equipment. Otex Protective is becoming more known for their quality clothing. For years, they have manufactured their products under other provider labels. Vince chose to not create his clothing line, but to sell the manufacturer product.

Vince has worked with many electrical company employees to fine-tune the clothing to be more comfortable for the user. Working closely with the manufacturer, they have made slight changes in how the cloth pattern was modified to meet final productÚn. An example is the lightweight 40 Calorie vented hood offered by Otex.

The material is of the latest technology. The vented assembly is constructed for balance on the back of the hardhat and the airflow is 27 CFM to prevent fogging of the face shield and provide cooling to the worker. It took over a year to develop the product with the user prÚr to having the hood "flash tested". This product is now standard issue with many electrical contractors.

Being a small business and having quality providers has resulted in satisfied customers for MŠler Safety Consultants. Being a direct supplier for OTEX Protective, another small business means customized customer needs can be met.

For more informatÚn, visit MŠler Safety Consultants at: www.electricalsafetysupply.com, emaŠ Vince at: sales@mŠlersafetyltd.com.



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ONE COOL PLACE

K&M Holdings, LLC Floral Cooling Space (Doral, FL)





GOAL:

To install lighting in a newly constructed 10,000-square-foot floral cooler space owned by K&M Holdings, LLC in Doral, FL that can reliably operate in the setting's demanding 40-degree environment while delivering high-quality, energy-efficient, long-lasting, and low-maintenance illumination.

PRODUCTS INSTALLED:

70 SYLVANIA UltraLED Dual Selectable Wide Body Vapor Tight Fixtures from LEDVANCE

BENEFITS:

- Easy and fast installation
- The high-efficiency, energy-saving LED fixture delivers up to 150 lumens per watt
- Convenient selectable wattage and lumen output options offer enhanced flexibility in the field based on the needs of the application
- Integrated motion sensor automatically dims down to 50% if the space is unoccupied and returns to full brightness when someone enters the space for added energy savings
- Operability within a temperature range of -4°F to 104°F ensures the fixture's reliable performance in some of the most demanding environments
- 80+ CRI and uniform distribution enhances visibility and lighting coverage

The Situation

Valued at an estimated \$5 bŠlÚn, the U.S. floral industry is robust, and the range of floral varieties and colors avaŠable to consumers is extensive. Much goes into ensuring that the flowers people routinely present to friends and loved ones on holidays, special occasÚns, and even just every day are housed in and distributed from a consistently cooled environment so that they remain fresh and vibrant.

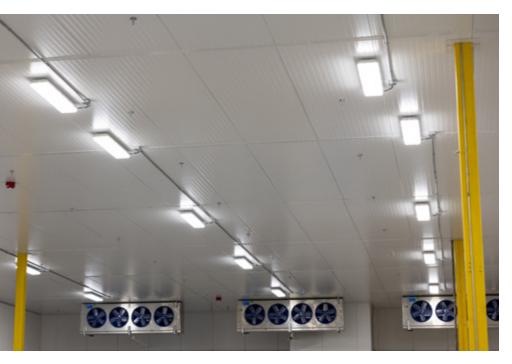
Located in Doral, FL, leading floral distributor K&M Holdings, LLC recently constructed a brand-new floral cooler facŠity and needed a powerful lighting system able to deliver reliable, high-quality ŠluminatÚn within the challenges of a continuously cooled setting. HappŠy, the team's selectÚn of SYLVANIA UltraLED Dual Selectable Wide Body Vapor Tight LED fixtures from LEDVANCE fit the bŠl perfectly and has helped positÚn K&M Holdings for high-performing, energy-efficient operatÚns for years to come.

The Solution

In January 2022, team members from leading electrical distributor Gexpro and electrical contracting firm Felipe Electric Services were brought in to determine the optimal lighting solutÚn for the new two-story buŠding's dedicated 10,000-square-foot floral storage space, which was cooled to 40 degrees.

"WhŠe there was no lighting yet in the space because it had just been buŠt out, we knew that roses and other flowers would be stored there and that we'd need 80-100 footcandles of light at the floor," said Bob Layne, Rexel/Gexpro Lighting and Controls Specialist covering Florida's southern regÚn. "As South Florida is one of the largest rose and flower hubs in America, our goal was to help ensure the installatÚn of an effective lighting system in the floral cooler space in time for Valentine's Day so that the





facŠity could participate in one of the biggest rose and flower-related holidays of the year."

After researching their product optÚns and working closely with LEDVANCE SenÚr Sales Representative Ryan Mager and Gexpro Outside Salesperson Edgar Portobanco, Layne and the team unanimously selected the SYLVANIA UltraLED Dual Selectable Wide Body Vapor Tight from LEDVANCE to light the space.

"The 80+ color rendering index (CRI) enables the facŠity workers to see the bright colors of the flowers they're handling. The high-efficiency, energysaving LED fixture delivers up to 150 lumens per watt and incorporates an internal motÚn sensor that automatically dims down to 50% if the space is unoccupied and returns to full brightness when someone enters the space to pull flowers," Layne said. "Florida is typically very warm and given how much energy is consumed by operating the HVAC systems 24/7 to keep the flowers fresh, we felt that any energy we could save the owners on their lighting would be beneficial. LEDs are both extremely energy-efficient and emit very little heat to offset the cooling."

The fixtures incorporate convenient selectable wattage and lumen output optÚns, enabling users and installers

to choose the most appropriate wattage (either 120, 150, or 180 Watts) and lumen output level (either 18.000, 22.500, or 27,000 lumens) to suit their needs right in the field. "Using the convenient layout tool avaŠable on the MySylvania.com website, we selected a lumen output of 22,500-lumen and a color temperature of 5000K to ensure optimal lighting of the space," Layne said.

The fixture's abŠity to operate within a temperature range of -4°F to 104°F helps ensure its reliable performance in the facŠity's floral storage area cool environment. "This facŠity required a fixture that can withstand harsh conditÚns for an extended perÚd of time," said LEDVANCE's Mager, who noted that cool-storage facŠities such as this can also be subject to humidity, especially on the ceŠings. For that reason, he said, "Our SYLVANIA UltraLED Dual Selectable Wide Body Vapor Tight LED is ideal for use in food service applicatÚns, car washes, open-air venues, and other spaces where rainwater or condensatÚn are concerns. The fixture's durable design, reliable performance, and avaŠabŠity in higher lumen packages to meet footcandle requirements make it an ideal product in these settings. Users can count on this fixture to come through every time."

A Win-Win Result

"Between what we had in our own stock and a quick call to our contacts at LEDVANCE for additUnal product, we were able to quickly secure the 70 SYLVANIA LED vapor tight fixtures we needed for this project, and installatÚn took just around 2 weeks, enabling us to meet our Valentine's Day objective," shared Gexpro's Portobanco of the project's successful outcome.

"The installatÚn process was easy," added Alejandro Vega, Supervisor for Miami-based electrical contractor Felipe Electric Services. "The fixtures come with an installatÚn kit that makes things trouble-free. You simply mount the clips into the ceŠing and then snap the fixture up into them. In fact, the process was so easy that we were able to install each fixture using just one crew member instead of the usual two."

"The SYLVANIA UltraLED Dual Selectable Wide Body Vapor Tight LED fixture from LEDVANCE is a highquality, easy to use, and cost-effective product, and its selectable wattage and lumen output features deliver an additÚnal degree of versatŠity," Vega continued. "The fixtures exceeded the end users' expectatÚns, and they're extremely happy with them."

Jorge Felipe, master electrician and owner of Felipe Electric, agreed. "The fixtures were very easy to install, and their internal motÚn sensor offers additÚnal opportunities for energy savings," he said. "The color of the light is also perfect and makes the space comfortable and inviting to work in." Overall, Felipe said, "this was a great project and everyone was happy with the quality, performance, and price point of the fixtures."

"The facŠity's new lighting is bright and natural-looking and has a nice, uniform distributUn that fully and evenly lights all parts of the space for optimal visibŠity," confirmed Gexpro's Layne, who added that the project was so successful that his firm was invited to propose lighting solutÚns for other parts of the buŠding as well. "Overall, the SYLVANIA LED fixture was a great product for this applicatÚn and delivered a win-win for all parties involved."

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Appleton[™] IHC LED Luminaire

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Nelson Heat Trace Cable Systems by Emerson offer the broadest line of heat trace cables, controls, monitors and accessories for specialized application needs

PART 2: Electric Freeze Protection Cables Keep Wastewater Treatment Plants Flowing During Winter Months

BY KELLY PIERCE, SALES CHANNEL MANAGER, AND KEVIN GREEN, NATIONAL SALES MANAGER, NELSON HEAT TRACE, EMERSON

EMERSON'S SOLUTION

Nelson[™] Heat Trace Type LT Self-Regulating Heater Cables by Emerson are the field-proven solution to safely maintain fluid flow over a wide range of operating temperatures. They have been relied upon for more than 20 years by the hydrocarbon and chemical industries.

Suitable for use on pipes, tanks, and vessels, Type LT cable maintains process temperatures up to 121 °C (250 ^oF) to meet viscosity/fluid requirements. In additÚn, the cables provide freeze protectÚn of perÚdically steam-cleaned components, as well as for structural anti-icing. The cables provide a

conductive ground path when installed on non-conductive surfaces, such as plastic or painted pipe.

Type LT cables are self-regulating, meaning that they wŠl adjust heat output automatically in response to surrounding temperatures. The heater cable derives its self-regulating characteristic from

the inherent properties of the conductive core material. As the core material temperature increases, the number of conductive paths in the core material decreases, automatically decreasing the heat output. As the temperature decreases, the number of conductive paths increases, causing the heat output to increase. This occurs at every point along the length of the cable, adjusting the power output to the varying conditÚns along the pipe. Straight line runs are the common majority for installatÚn types, however the older practice of spiraled around the pipe installatÚn is also acceptable. Because

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the cable is self-regulating, it can be overlapped where the installatÚn requires, without creating hot spots or burn out.

Heat Trace Cable Installation

Before installatÚn, consult with the manufacturer's specific instructÚns. FaŠure to do so wŠl likely void warranties and agency approvals. The integrity of the system depends upon how accurately the heat trace cable is installed. Improperly installed systems have resulted in system faSure and physical injury.

In general, heat trace cables can be installed in either straight runs (found to be the more standard industry protocol)

or spiraled around the pipe. Spiraling is used when a limited number of cable types are avaŠable and has become less common in recent years. In straight tracing, the cable is installed on the lower quadrant of the pipe to prevent physical damage from falling objects or from being walked on. In both spiraling and straight runs, the cable should be applied flat to the pipe.

Attachment of the cable to the pipe can be done with fiberglass tape or plastic wire ties provided the plastic has a maximum temperature rating equal to or better than the system requirements. The cable should fit snuggly against the pipe and be secured every 12 inches. It is recommended that metal straps,

wire, vinyl electrical tape, or duct tape not be used to attach the cable to pipes. If the cable must be cut, do so after it is attached to the pipe, and after confirming allowances for terminatÚns, connectÚns, and heat sinks. Loop the cable around valves, hangers, and other small in-line devices in a manner that allows their removal or access without having to cut the cable.

Moisture penetratÚn of the heat trace system is the single largest source of problems in wastewater treatment facŠities. Particular care must be given to the proper sealing of all electrical connectÚns and splices. Cable sealing kits wŠl provide a proper seal for the cable itself, whSe other electrical



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The Appleton[™] Mercmaster[™] Connect LED by Emerson is designed to illuminate hazardous and harsh industrial locations with integrated motion and illuminance sensors. Paired with Emerson's Plantweb Insight Connected Lighting Application, operators have access to lighting usage data and sustainability analytics.

The Mercmaster Connect LED provides facility managers with continuous monitoring of their LED lighting with real-time insights gained into sustainability goals, diagnostics and lumen levels from any remote location at dramatically lower costs as compared to wired alternatives, with faster installation time and minimal disruption to plant operations.

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APPLETON





Keep safety systems safe. Fire suppression systems, especially wet pipe systems, are as vulnerable to freezing as any other pipe in a facility.

RAI

connectÚns, including heater to power wiring, thermostat connectÚns, and panel and breaker connectÚns, should be sealed or moisture proofed in an approved fashÚn.

After installatÚn, it is important you inspect the cable and system components for any possible damage, ensuring the cables are free of nicks, tears, or gouges. Verify that additUnal cable has been installed at each valve, flange, pipe support, and other devices to allow easy access to the device making sure connectÚns, splices, and end-seals meet code requirements.

The above are only general recommendatÚns. Again, it is very important to consult with the heat trace cable manufacturer's user manual for specific installatÚn instructÚns.

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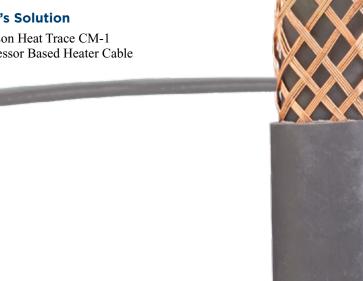
Thermostats and Controllers

WWTP heat tracing requires the use of temperature control. When selecting the proper thermostat or controller you must consider the voltage and amperage ratings of the device as well as the suitabŠity of its housing for the environment, specifically if the enclosure is explosÚnproof, raintight, and corrosÚn resistance.

IST

Emerson's Solution

The Nelson Heat Trace CM-1 Microprocessor Based Heater Cable



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Insulation alone cannot always keep pipes warm. A Nelson Heat Trace System ensures pipes will not freeze, and can be used with insulation for additional protection.

Monitoring System by Emerson continually monitors the supply voltage and current of both series and parallel styles of electric heat trace cables and panels. When used in conjunctÚn with ground fault branch breakers, the CM-1 also serves as an automatic alarm system when the heating system is de-energized due to a tripped breaker. Continuity monitoring for parallel-resistance heating cables can be enabled by adding a passive bus monitor device at the end of each heater circuit. The microprocessor-based scanner systematically compares programmed values with actual data from sensor cards capable of monitoring up to 4 circuits each. The status of each circuit is displayed using high-visibŠity LEDs. Multiple CM-1 systems throughout a facŠity can also be connected to a central PC to provide centralized alarm

status and acknowledgement. It features a NEMA 4 or 4X powder coated or stainless-steel enclosure for wet environments.

Temperature Maintenance

Although the applicatÚn we are addressing in this white paper is freeze protectÚn, it should be noted that many chemicals (aluminum, ferric chloride, sulfates, and polymers) used in sewage treatment are highly aggressive and require process temperature maintenance, a task where electric heating trace cables also excel.

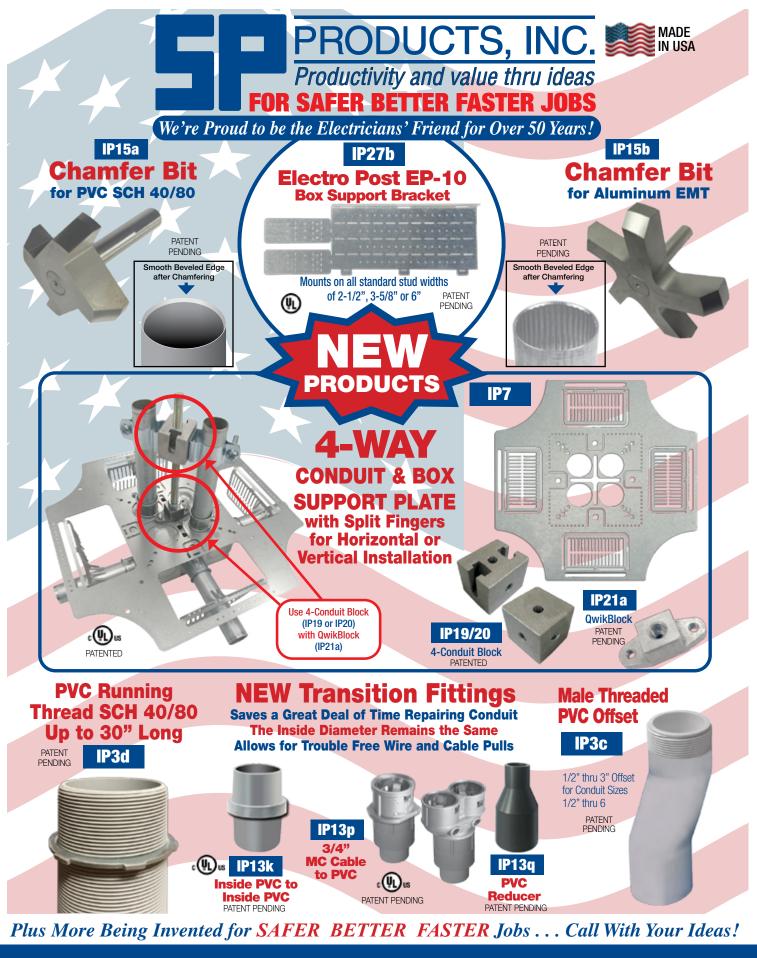
Conclusion

Wastewater treatment is one of the most important environmental conservatÚn processes avaŠable today to address the growing crisis of water scarcity. WWTP ensure that the sewage discharged from homes, businesses, and industries is properly treated before it is released back into local waterways. During colder months, heat trace cables help maintain efficient system performance and counter seasonal upsets by keeping water and chemicals flowing, therefore preventing facŠity flooding, the expense of replacement parts and repairs, environmental damage, and plant downtime.

Emerson's Nelson Heat Trace brand offers a broad range of heat trace cables, controls, monitors, and accessories to serve the most demanding industrial environments including the hazardous and non-hazardous areas of wastewater treatment facŠities, whŠe addressing issues of wet and highly corrosive atmospheres. Emerson's engineering team wŠl optimize the most efficient, reliable, and cost-effective heat trace system possible based on your plant's individual requirements, including the design of custom solutÚns for extreme weather.

Learn more by visiting the website at www.nelsonheaters.com. $\hfill\square$

- UNICEF. Water scarcity: Addressing the growing lack of avaŠable water to meet chŠdren's needs.
- 2. EPA. History of the Clean Water Act
- "Reducing the Costs of Water and Wastewater Treatment Pipelines" AprŠ 2, 2021, Fluence



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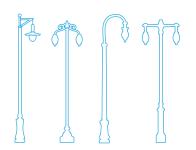
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More light. Dependably beautiful. With light output competitive to a 150W HID, you get more lumens, across a broader range of applications, without compromising light quality.

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Chris Lubeck Joins Evluma as National Sales Director

LED Street and Area Lighting Manufacturer Evluma taps industry veteran to grow and strengthen national sales network.

Evluma is excited to announce the additÚn of a new team member. Chris Lubeck brings over 25 years of sales

leadership experience in the lighting industry. His experience spans a broad range of products across both the utŠity and commercial-industrial market, and he has a proven track record for buŠding and growing high-performance sales teams.

"The depth and breadth of Chris's experience wŠl be a real asset to Evluma," noted

ABOUT EVLUMA

CEO Don Vendetti, "He understands the benefits and challenges of the LED transitÚn, the nuances of different markets, and the needs of the many different stakeholders we serve."

Formed in 2008, Evluma is committed to developing affordable, long-lasting and

With offices in more than 50 countries and business activities in more than 140

countries, LEDVANCE is one of the world's leading general lighting providers for professional users and end consumers. In North America, LEDVANCE LLC offers a wide

environmentally low-impact LED lighting solutions that fundamentally change the landscape of the outdoor utility lighting market. Evluma's high standard of customer service plus its

PrÚr to joining Evluma, Lubeck spent over 20 years with OSRAM SYLVANIA, and led North American UtŠity Sales

> for its spinoff LED brand, LEDVANCE. More recently, he ran his own consulting firm, where he worked with a full spectrum of utŠity companies, electrical contractors, manufacturers, electrical distributors, and the specificatÚn community to create and sell futureproof energy solutUns that deliver maximum value to

customers. "Chris has a great resume, but we're also excited about the cultural fit," stated VP of Sales and Marketing, David Tanonis. "He's passÚnate about lighting, and he's focused on relatÚnships. He's an Evluma kind of person, and I know our customers and team wŠl appreciate the perspective and experience he brings."

Lubeck joins the Evluma team at an exciting inflectÚn point, as the company continues to launch new products, including RoadMax, a new line of roadway luminaires and enter new markets. His prÚrities wŠl be to strengthen Evluma's core business in the UtŠity and Rural Electric Coop market, whŠe continuing to grow the C&I business.

"Evluma has the team and the technology to do things others can't," Lubeck said. "The leadership is handson and customer-focused, and we're able to move fast and respond to the real challenges our customers face... I'm excited to get out on the road and start talking to them."



background in innovative lighting technologies and software cooperatively influence the design of its utility-grade products. Evluma is located in Renton, WA, USA. For more information, please contact Cathleen Shattuck, Marketing Director cshattuck@evluma.com, 425-336-5824

LEDVANCE to Open Eastern Distribution Center in Pennsylvania

LEDVANCE LLC, the maker of LEDVANCE and SYLVANIA general lighting products in the US and Canada, announced the company is opening an Eastern DistributUn Center (EDC) in Easton, Pennsylvania to service the eastern US regÚn. The EDC wŠl start supporting pŠot customers this December with full rollout in early 2023. This wŠl enable quicker delivery times into the regÚn, having stock avaŠable for local and New York City pickups, and better

ABOUT LEDVANCE LLC

control of inbound container processes from the port. In North America, LEDVANCE LLC offers a wide range of LEDVANCE and SYLVANIA LED luminaires for varÚus applicatÚns, intelligent lighting products for smart homes and buŠdings, one of the largest LED lamp portfolUs in the industry, and traditUnal light sources.

"We recognize many factors contributed to challenges around having two distributÚn centers in the United States. The industry and the

world have changed, and this move wŠl allow us to service our customers more efficiently, effectively, and reliably, along with local 'wŠl call' services," said Jonathan Lubeck. US CEO, LEDVANCE LLC. "Our company's roots are in Pennsylvania, and our trusted SYLVANIA brand is literally part of the state's name. We always have our customer top of mind, and we are proud to be returning to Pennsylvania to be the bright choice for them." \Box



range of LEDVANCE and SYLVANIA LED luminaires for various applications, intelligent lighting products for Smart Homes and Buildings, one of the largest LED lamps portfolios in the industry, and traditional light sources. The SYLVANIA brand leadership is a result of over 100 years of lighting experience and paves the way for future success. Further information can be found at www.ledvanceUS.com.



SolaHD[™] SDU DC - B Series DIN Rail UPS

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The SolaHD[™] SDU DC - B Series DIN Rail UPS by Emerson are perfect for mitigating power quality issues, minimizing loss of data and downtime.

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Learn more at: www.solahd.com

SOLAHD





Redefine roadway performance

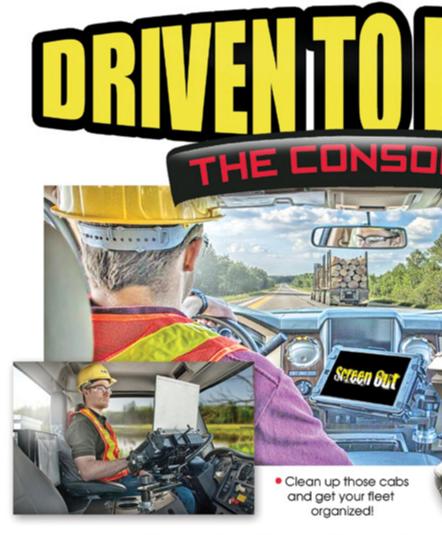
Introducing RoadMax.

Evluma's next generation roadway luminaires deliver uncompromising performance and industry leading glare control. Because essential roads deserve exceptional light.

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Your Total Mobile Office Solution

The Truck Console-X combines your Laptop Work Station, Radios, Speakers, Cables, Storage and Cup Holders, No Drill Installation Brackets Included.

The **Truck Console –X** is the latest innovative mobile office solution to join the Mobile Desk brand family of products. This complete control, communication and convenience Utility Truck Console is becoming the new standard for fleets of all sizes. The design of the **Truck Console -X** has originated from our years of experience working directly with the lineman, supervisors, communications, and fleets of some of the most notable utility companies in America. Loaded with standard and optional features that maximize ergonomics, productivity, and fleet/telecom standards into one Mobile Office Solution.



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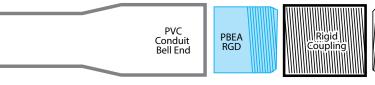
Transition Couplings PVC Bell End Adapter Galvanized Rigid Conduit

Transition fitting adapter from a PVC to Rigid Conduit without reaming **PVC** Conduit

Faster way to transition from a Schedule 40/80 PVC Conduit to a 90° Galvanized Rigid Elbow without reaming PVC Conduit

Insert into Bell End of PVC and join threaded end into Rigid Coupling which joins the 90° Rigid Elbow, Rigid Coupling joins the other end of 90° Elbow to Rigid Conduit

Meets UL651 CSA CSS.L Ng83 and US Army Corps or **Engineers Specs.**



Customer must satisfy all codes and owners' specifications.





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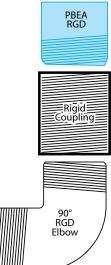














1/2" thru 6"

Transition Couplings			
Size	Catalog #		
1/2"	PBEA/RGD 50		
3/4"	PBEA/RGD 75		
1″	PBEA/RGD 100		
1-1/4″	PBEA/RGD 125		
1½″	PBEA/RGD 150		
2″	PBEA/RGD 200		
2-1/2″	PBEA/RGD 250		
3″	PBEA/RGD 300		
3-1/2″	PBEA/RGD 350		
4″	PBEA/RGD 400		
5"	PBEA/RGD 500		
6"	PBEA/RGD 600		



Emerson Reduces LED Lighting Retrofitting Costswith Appleton Baymaster High-Bay Luminaire

Industrial lighting fixture features patented Quick-Mount pendant system

By retrofitting HID high-bays with Emerson's Appleton Baymaster LED High-Bay luminaires, an industrial facility can reduce its energy costs approximately 65 percent, as well as lower maintenance and replacement expenses, while improving assembly accuracy and potentially speed up assembly operations. A few of the demanding sites where the luminaires excel are power plants, chemical plants, oil refineries, foundries, and wastewater treatment centers.



Emerson designed the Appleton Baymaster LED with the understanding that replacing traditional HID or flourescent high-bays with LED technology can be costly and difficult, especially in harsh industrial and Class I, Division 2 hazardous locations. Because industrial high-bay luminaries are heavy and often in hard-to-reach locations, two or more electricians are required to perform installations, leading to increased labor costs. This installation expense slows return on a company's LED retrofit investment.

In contrast, the Appleton Baymaster significantly reduces labor costs with its low weight and patented Quick-Mount pendant system. One electrician using standard tools is all that is required to pre-wire the mounting hood, line the arrows up, and lock the Baymaster into place.

Since reliability is the key to lower maintenance costs, Emerson gave the luminaire unprecedented resistance to corrosion, vibration, surges, thermal shock, and moisture. Mounting hoods and bodies are forged from copperfree aluminum protected by a baked epoxy-clad finish, electrostatically applied for complete uniform protection. The result is an industrial LED rated for 84,000 hours with a service life that can exceed 200,000 hours depending on ambient temperature. The robust enclosed, gasketed design ensures safe usage in hazardous areas where flammable gases and vapors may be present, or where dirt, dust, severe weather conditions, and high temperatures are encountered.

Appleton Baymaster LED and Baymaster HL LED luminaires offer 9K, 15K, 19K, 24K, 30K and 38K lumen levels in two color temperatures and three NEMA beam patterns. The luminaires can improve employee vision and alertness as well as reduce shadowing and improve color recognition during the assembly process.

> For more information, visit www.emerson.com



Quick Fitting Highlights its Push to Connect **Electrical Fittings**

Push to Connect Electrical Fittings Install Quickly and Easily, Achieving a Reliable, Tight Seal

Quick Fitting, a leading manufacturer of quick connection technology for plumbing, electrical, industrial, municipal, and OEM applications, highlights its push to connect Quick Fitting Electrical connectors, which make Quick Fitting's guick connection technology available for electrical connections. QuickFitting Electrical delivers easy, one-hand use connections for PVC Rigid Schedule 40 and 80 conduits.

Quick Fitting Electrical connectors install guickly with no tools needed, saving significant time. Designed for ease of use, its push-on installation can be carried out with one hand. In addition to easy installation, the fittings provide guick and easy removal with SlipClip™, Quick Fitting's patented removal tool. Having been tested for up to 100 removal cycles, the fittings are also removable and reusable, cutting costs and eliminating excess waste.

Made to UL, IP66, and NEMA45 standards, Quick Fitting Electrical connectors are watertight, dust-tight, concrete-tight, and rated for direct burial. The fittings, including locknut and gasket, seal the installation with a raintight connection to the box.

Quick Fitting Electrical connectors are manufactured with the highest-grade fabrication. UV-resistant PVC protects against damaging effects of ultraviolet light, such that the fittings will not degrade in outdoor environments.

> For more information, visit www.quickfitting.com/products/electrical

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Serving industries such as agriculture, oil and gas, utilities/electrical co-ops, waste & wastewater, we feature lead times shorter than our competitors, and the promise that our products will last for decades. Using naturally corrosive resistant aluminum enclosures for our products, RONK knows that your company deserves the best.

SERIES 4+ MANUAL TRANSFER SWITCH



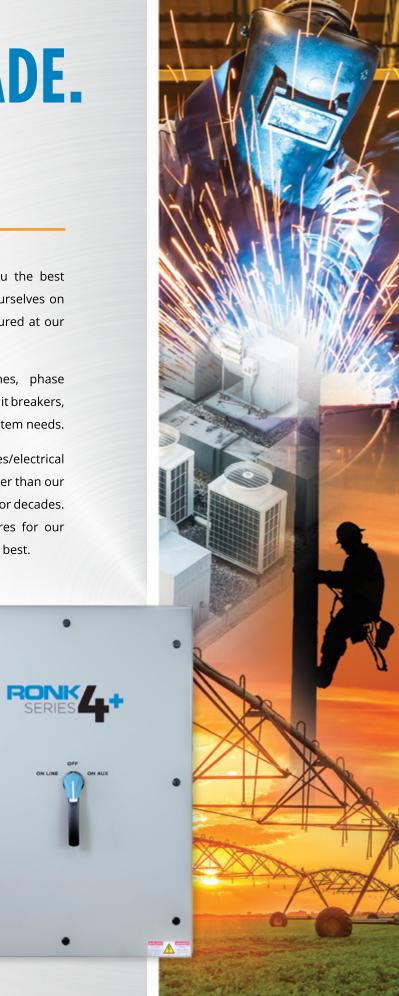


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Transforming the Trades: DEWALT® Introduces the IMPACT CONNECT[™] System; A Revolutionary New Line of Attachments to **Perform Jobs Fast with Less Effort**

DEWALT unveils IMPACT CONNECT™ copper pipe and PVC/PEX pipe cutter attachments that quickly convert select impact drivers[‡] into fast, powerful cutting tools

DEWALT, a Stanley Black & Decker (NYSE: SWK) brand and leader in total jobsite solutions, today announced the DEWALT IMPACT CONNECT™ system, a new line of attachments to quickly convert select impact drivers into fast, powerful cutting tools. Designed to improve user productivity and provide unmatched value, the DEWALT IMPACT CONNECT™ system is rolling out with two attachments: a Copper Pipe Cutter Attachment (DWACPRIR) and PVC/PEX Pipe Cutter Attachment (DWAPVCIR) that guickly attach to select DEWALT[®] 20V MAX* and other pro-grade 18V Impact Driversturning them into powerful cutting tools.

"The DEWALT IMPACT CONNECT[™] line is a revolutionary new addition to the wide range of tools and accessories tradespeople typically reach for on the jobsite," said Doug Redpath, President, Hand Tools, Accessories & Storage, at Stanley Black & Decker. "Instead of purchasing separate dedicated pipe cutting tools, IMPACT CONNECT™ attachments leverage the power of users' current impact drivers± to perform the job quickly with less cutting effort."

The DEWALT IMPACT CONNECT™ Copper Pipe Cutter Attachment (DWACPRIR) and PVC/PEX Pipe Cutter Attachment (DWAPVCIR) are the first offerings within this DEWALT platform and are ideal for pipe fitting, plumbing, HVAC, and home renovation. Designed to boost user productivity, the attachments require 100X less cutting effort than a manual cutter and with the quick-change brace system, the attachments are connected in seconds allowing for seamless conversion from pipe cutting tools to a traditional impact driver.

> For more information, visit dewalt.com/systems/impact-connect

Does your product help to increase profits or improve safety and overall working conditions for the electrical contractor? If so, don't forget to submit your product for nomination as one of Electrical Products & Solutions' "TOP PRODUCTS OF 2022".

All the winners will be featured in our December issue.

Deadline: December 9, 2022

Requirements:

Submit a high resolution photo (300 dpi) of your product, along with a brief description (up to 150 words). Please note on your submission that it is for consideration for Top Products. E-mail: danny@epsmag.net or mail to: Electrical Products & Solutions 2009 Eagle Ridge Drive, Birmingham, AL 35242



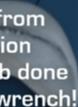


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Greaves. A revolutionary compression connector concept that gets the job done with just a few turns of a standard wrench!

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- Superior pull-out strength and conductivity
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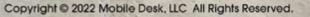
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