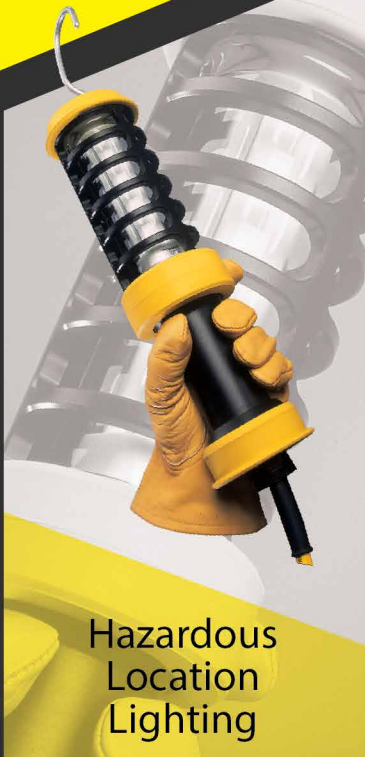


# KH<sup>TM</sup>

## KH INDUSTRIES



Remote  
Controlled  
Lighting



Hazardous  
Location  
Lighting



Portable  
Lighting



Cord  
Reels

## DESIGN.

Products are market-driven to meet the needs of the end user, their application, and environment. Safety is of paramount concern, as well as functionality and reliability.

KH Industries' engineering team partners with several National Recognized Testing Laboratories, as well as KH staff and customers to ensure the product will meet and exceed functionality and safety standards.

## QUALITY.

Materials are selected for their ability to provide long lasting service and durability in harsh and extreme environments. KH's state-of-the-art manufacturing facility allows for a vertically integrated manufacturing and production process. By controlling the production of components KH Industries can ensure you receive a consistent finished product of the highest quality.

## CRAFTSMANSHIP.

KH Industries has a dedicated group of skilled professionals that take pride in doing a job well. We've never lost sight of our small-town values and hard work ethic that founded the company over 55 years ago.

## SERVICE.

It might seem old fashioned, but we still personally answer phone calls. If you have a question about our products, we'll listen and provide an honest and timely response. In the event that one of our products needs to be repaired or returned, we'll assist you.

If you are looking for a product you don't see on our website, please contact us. We specialize in custom configurations to meet your application and environmental needs.

Our significant investment in new technologies provides a rapid response to customers' needs while ensuring the quality of our products, as shown by our in-house capabilities.

Check out our capabilities and take a virtual tour of our 100,000 sq. ft. manufacturing facility at:

[www.youtube.com/user/khindustries](https://www.youtube.com/user/khindustries)

Discipline	KH Industries In-House Capabilities
Design Engineering	3D CAD • 3D Printing/modeling • Printed Circuit Board Prototyping • Environmental Chamber Testing • Research and Development/System Customization Electronic Functional Testing • Microprocessor Firmware Manipulation and Implementation • Spectroradiometric Measurement and Testing • Environmental Testing
Mold & Tool Fabrication	Certified NYS Tool & Die Makers • Approved NYS Apprenticeship Training Program • CNC & Conventional Vertical Milling • CNC & Conventional Turning Lathes • CNC EDM Wire & Plunger
Molding	Horizontal Plastic Molding (28 to 500 ton) • Vertical Plastic Molding (45 to 75 ton) • Rubber Molding (50 to 450 ton) • Liquid Silicone Rubber Molding
Metal Fabrication	Metal Stamping • CNC Turning • Bending Equipment • TIG, MIG & Stick Welding • Water Jet Cutting
Finishing	Production • Assembly • Quality Control • Customization (laser engraving) Ultrasonic and Vibration Welding • UV Printing
Support	Technical Support • Sales • Customer Service • Application Support

KH Industries values the listings of 3rd party NRTL (Nationally Recognized Testing Laboratories) and understands the importance of up-to-date information. Contact us directly for a listing look up.

*This catalog is only a sample of popular model numbers.*

*KH offers thousands of products, as well as custom configurations to meet your specific application.*

*For more information about KH products: **CALL 716-312-0088 or VISIT [www.KHIndustries.com](http://www.KHIndustries.com)***

## Lighting Products

### Portable Lighting Systems

- 4 Quad Light
- 6 Add-A-Lights

### Work Lights

- 8 LED Work Lights
- 10 Fluorescent Work Lights
- 12 Spot/ Inspection Lights
- 13 Lights Wired to Cord Reels

### Explosion Proof Lights

- 14 Hazardous Locations Defined
- 16 Battery Operated, LED
- 18 Explosion Proof, 26 Watt
- 20 Explosion Proof, 15 Watt

### 21 Vapor Proof/ Wet Location Lights

### Remote Controlled Spotlights

- 22 StarBeam™, dual lamphead
- 24 NightRay™, single lamphead

## MADE WITH QUALITY. MADE IN THE USA.



### WHY MADE IN THE USA MATTERS

At KH Industries, **“Made in the USA,”** is deeper than a physical location; we consider it a quality stamp.

We display our “Made in the USA” flag as a declaration to the world, ***“These goods are produced with the highest standards, with the latest technology, and by a skilled US workforce.”***

You, the consumer, have the peace of mind knowing you are purchasing quality products that are dependable, safe, and reliable.

You are also supporting US manufacturing efforts, which strengthens the economy by keeping our workforce employed and reinvesting those dollars back in our economy.

For over 55 years, KH Industries has committed to manufacturing in the USA.

Our recent investment of a 100,000 sq. ft. state-of-the-art manufacturing facility located near Buffalo, New York demonstrates our commitment to US manufacturing and our commitment to the words, **“Made in the USA”**.

## Cord Reels

- 26 Light Duty Cord Reels
- 28 RTB Heavy/Industrial Duty
- 30 RTF Heavy/Industrial Duty
- 32 RTI/ RTM High Capacity
- 34 RTS Explosion Proof
- 35 RTX Static Discharge
- 36 Manual Wind Cord Caddies

## Temporary Power

- 38 Plugs and Connectors
- 40 Portable Outlet Boxes
- 42 Pendant Bus Drops
- 43 Power Stringers
- 44 Push Button Pendants
- 46 C-Track Festoons
- 48 Stretch Wire Festoons
- 50 Terms & Conditions

**Pricing and Ordering Information:**  
**Request a Quote or Price List:**  
[sales@khindustries.com](mailto:sales@khindustries.com)


**Place an Order:**  
[orders@khindustries.com](mailto:orders@khindustries.com)  
Fax: 716-312-0028

**Customer Service & Inside Sales:**  
716-312-0088  
[www.khindustries.com](http://www.khindustries.com)



# Portable Lighting Systems: Quad Lights

**Temporary and Portable Wide Area Lighting for Demanding Environments**  
**Extremely Durable Design Resists Breakage, LED or Fluorescent Bulbs Available!**




## DAISY CHAIN QUAD LIGHTS FOR A BRIGHT, CONTINUOUS LIGHT SOURCE:

String up to 20 LED or  
12 Fluorescent Quads

### 4 Foot High:

LED: 80 Watts/7,200 Lumen

Fluorescent: 128 Watts/ 11,800 Lumen



### 2 Foot High:

LED: 40 Watts/3,200 Lumen

Fluorescent: 68 Watts/5,200 Lumen



## APPLICATIONS

Manufacturing, inspection, and  
maintenance in:

Aircraft

Ground Transportation

Marine and Ship Building

Temporary Emergency Shelters and Tents

Utilities



Watch KH Industries drop, jump  
and kick the Quad Light during  
extreme product testing at:  
[www.khindustries.com/quad](http://www.khindustries.com/quad)



## Flexible positioning for optimal task lighting

- Hang from level or angled beam
- Stand (vertical)
- On floor (horizontal) with 45° angled feet

## EASY TOOL FREE RELAMPING



## 15 AMP OUTLET FEED THROUGH LIGHTING



# Portable Lighting Systems: Quad Lights

## LEDs: More Rugged, Energy Efficient, and Longer Lifespan

A multi-level lamp protection system provides extreme durability with rubber end caps and field tested lamp shock absorbers.

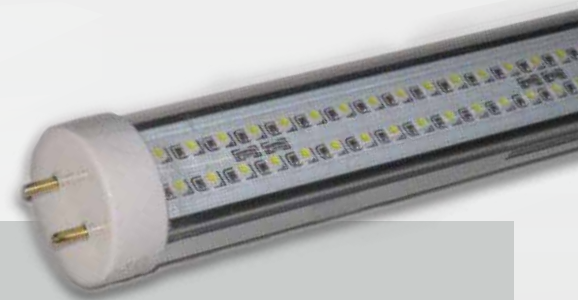
Parallel wiring keeps other lamps functioning should one fail.

The LEDs are enclosed in a polycarbonate tube and then protected inside a clear tube-shield with a thick aluminum circuit board for maximum heat dissipation.

High quality LEDs emit a higher brightness with a wide beam angle of 120°, making them ideal for wide area lighting solutions.

### SMD LED QUAD LIGHTS

- Long lasting, rated up to 50,000 hours
- Aluminum heat sink allows for even heat disbursement
- Instant on; no buzzing, humming, or flickering
- No mercury; no RF interference, no UV radiation
- 120 Volts/60 Hz



### ALL QUAD LIGHTS FEATURE:

- Protected on/off switch
- User serviceable replacement parts, with most parts interchangeable between the two Quad Light sizes
- Power Cord: 14/3 SJOW black; oil and water resistant
- Attachment Plug and Outlet: NEMA 5-15, grounded plug and connector
- Other configurations available upon request

### 2 Foot Model (actual dimensions are: 27.75"L x 7.25"W x 5.75"D)

Model No.	Lamp Type	Lumens	Watts	Cord Length	Special Operation
QL410C-16A-10A	LED	3200	40	10	
QL410C-16A-25A	LED	3200	40	25	
QL410C-16F-10A	LED	3200	40	10	Battery Back Up*
QL417R-16E-10	Fluorescent	5200	68	10	
QL417R-16E-25	Fluorescent	5200	68	25	

### 4 Foot Model (actual dimensions are: 52"L x 7.25"W x 5.75"D)

QL420C-16A-10A	LED	7200	80	10	
QL420C-16A-25A	LED	7200	80	25	
QL420C-16F-10A	LED	7200	80	10	Battery Back Up*
QL432R-16E-10	Fluorescent	11,800	128	10	
QL432R-16E-25	Fluorescent	11,800	128	25	

\* CSA Approved battery back-up model features an auxillary LED strip that automatically turns on when 120 Volt power service is interrupted.

## Portable, Industrial-Grade Feed Through Lighting for Demanding Environments Slim Design is Ideal for Narrow Spaces

### LED Feature High Brightness and Superior Color Rendition:

High quality LEDs emit a higher brightness with a wide beam angle of 120°, making it ideal for wide area lighting solutions.

### APPLICATIONS

- Bus/Vehicle Lift Lighting
- Aerospace/Helicopter MRO
- Emergency Shelter/Tent Lighting
- Vessel/Shipyard MRO
- Tunnel and Bridge Lighting
- Furnace/Smoke Stack MRO
- Scaffolding Temporary Lighting

**LED Add-A-Light - durable, bright,  
and energy efficient!**

**53" Models:**  
1800 Lumen; 18 Watts



# Portable Lighting Systems: LED Add-A-Lights

## Portable, Industrial-Grade Feed Through Lighting for Demanding Environments Slim Design is Ideal for Narrow Spaces

### FEATURES:

- Daisy chain up to 20 lights together
- Long lasting, rated up to 50,000 hours
- Aluminum heat sink allows for even heat disbursement
- Instant on; no buzzing, humming, or flickering
- No mercury; no RF interference, no UV radiation
- Power Cord: 6' or 25' input with 2' output
- 14/3 SJOW black (oil and water resistant cord)
- Heavy duty KH Flip Seal NEMA 5-15P & 5-15R on Add-A-Lights
- Heavy duty KH Flip Seal NEMA 5-15P on end units
- Includes two 6" hanging hooks

**Custom configuration available**



Heavy Duty Flip Seal Plug and Connector

### ELECTRICAL OPERATION:

- 120 Volts/60 Hz
- Also available: 277 Volt, 50/60 Hz



Optional Wall & Magnetic Clamps

Add-A-Lights (feed through lighting)				
Model No.	Lumens	Watts	Cord Length	Dimensions
LE08F-16B-J14YW	900	10	6'	30.5" L; 2.1" OD
LE08F-16B-J14FW	900	10	25'	30.5" L; 2.1" OD
LE18F-16B-J14YW	1800	20	6'	53" L; 2.1" OD
LE18F-16B-J14FW	1800	20	25'	53" L; 2.1" OD
Add-A-Lights End Units				
LE08F-16F-J14YA	900	10	6'	30.5" L; 2.1" OD
LE08F-16F-J14FA	900	10	25'	30.5" L; 2.1" OD
LE18F-16F-J14YA	1800	20	6'	53" L; 2.1" OD
LE18F-16F-J14FA	1800	20	25'	53" L; 2.1" OD
Wall Clamp	AC-WC-T8			
Magnetic Holder	AC-MH-T8			

## Bright and Energy Efficient Portable Lighting for Demanding Environments with Low Amperage Draw and Slim Design

### LED Work Lights

**Durable, bright, energy efficient,  
and ideal for temporary jobsite  
lighting**

- No Mercury
- No RF Interference
- No UV Radiation

### **LEDs: MORE RUGGED, ENERGY EFFICIENT, AND LONGER LIFESPAN**

KH Industries' LEDs are shock and vibration resistant.

Safety yellow plastic end caps and handles, polycarbonate tube shields, in conjunction with LEDs create an extremely bright and durable light.

LEDs transfer heat better, providing a longer lasting light and are rated up to 50,000 hours.



Slim design to fit in narrow spaces

### **APPLICATIONS**

Maintenance, repair, and overhaul (MRO) for:

- Vehicle maintenance
- Aviation
- Construction
- Service use
- Inspection



# Industrial Grade LED Work and Jobsite Lighting

## FEATURES:

- 900 total Lumen / 10 Watts - (144 LEDs)
- 1,800 Lumen / 18 Watts - (288 LEDs )
- LEDs are rated up to 50,000 hours
- Electrical Operation: 120 Volts/60 Hz
- 18/3 SJOW yellow (oil and water resistant cord)
- Molded NEMA 5-15P plug
- Ambient operating temperature 14°F (-10°C) to 113°F (45°C)
- Includes integrated 360° pivoting hook
- Includes two 6" hanging hooks

## DIMENSIONS:

- 900 Lumen: 30.5" Length; 2.1" Outer Diameter
- 1,800 Lumen: 53" Length; 2.1" Outer Diameter

## LED FEATURE HIGH BRIGHTNESS AND SUPERIOR COLOR RENDITION:

High quality LEDs emit a higher brightness with a wide beam angle of 120°, making it ideal for wide area lighting solutions.

Superior color rendition and a frosted bulb for defused light output.



Optional Wall (pictured)  
or Magnetic Clamps



LEDs use a driver  
instead of a ballast  
Instant on; no buzzing;  
no humming; no  
flickering

LED Work Lights	
LE08F-16M-S18FA	LED Worklight, 900 Lm (120 VAC, 60 HZ) 25' 18/3 SJO Yellow w/Molded Plug
LE08F-16M-S18KA	LED Worklight, 900 Lm (120 VAC, 60 HZ) 50' 18/3 SJO Yellow w/Molded Plug
LE18F-16M-S18FA	LED Worklight, 1800 Lm (120 VAC, 60 HZ) 25' 18/3 SJO Yellow w/Molded Plug
LE18F-16M-S18KA	LED Worklight, 1800 Lm (120 VAC, 60 HZ) 50' 18/3 SJO Yellow w/Molded Plug
Accessories	
AC-WC-T8	Wall Clamp
AC-MH-T8	Magnetic Holder

**Designed to Withstand Years of Heavy Duty Use in Rugged Environments.  
Heavy Duty, Rugged Design for Repair, Maintenance, and General Use.**

**FEATURES:**

- Safe, cool lighting available from 8 to 15 watts
- Impact-resistant design and construction protects bulbs from breakage
- Weather-resistant\* housing is suitable for damp environments
- Energy efficient, easy to replace fluorescent lamps and starters.

**OPTIONS:**

- Cord Lengths: 25' or 50'  
Custom Cord lengths available.
- Power Cord: 18 AWG SJOW; oil and water resistant
- Available pre-wired with KH Retractable Reels
- Custom configurations available upon request

**APPLICATIONS**

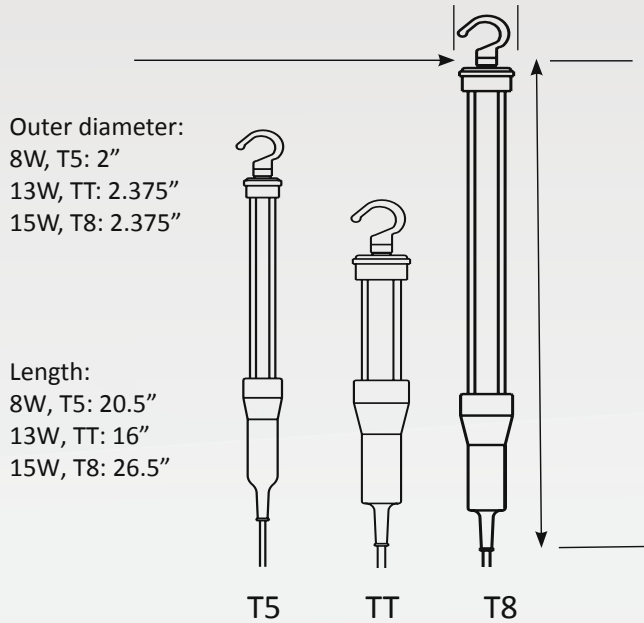
General Industrial Uses  
Maintenance, Repair, and Inspection  
Residential and Commercial Construction  
Service  
Utilities

**\* Refer to OSHA:1926.405(a)(2)(ii)(G)**

Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 Volts or less. However, 120 Volt lights may be used if protected by a ground-fault circuit interrupter.

# Fluorescent Work Lights and Hand Lamps

**Heavy Duty, Rugged Design for Repair, Maintenance, and General Use.**



## ELECTRICAL OPERATION:

Standard: 120 VAC/60 Hz

Also Available:

- 120 VAC/50 Hz
- 220 VAC/50 Hz or 220 VAC/60 Hz

Wattage	Tube Size	Cord	Weight (lbs.)	Model No.
8	T5	25'	4	825-T5
		50'	5	850-T5
13	TT	25'	4	1325-550
		50'	5	1350-550
15	T8	25'	4.75	1525-T8
		50'	5.75	1550-T8



*Optional wall mount clips with or without magnetic holders are available. Call for details.*



KH Fluorescent Work Lights can be pre-wired to KH Light Duty Cord Reels.

# Powerful Low Voltage Spotlights

## Spot and Flood Lighting with up to 100,000 Candlepower



### FEATURES:

- Water-resistant\* construction suitable for damp or wet applications
- High-impact lens to minimize the possibility of lamp breakage
- Fully insulated switch with no exposed metal parts for operator safety
- Heavy-duty rubber hex head to prevent rolling

### OPTIONS:

- 12 VDC (vehicle) or 120 VAC
- Floodlight or Spotlight beam pattern
- Available pre-wired with KH Retractable Reels

### \* Refer to OSHA:1926.405(a)(2)(ii)(G)

Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 Volts or less. However, 120 Volt lights may be used if protected by a ground-fault circuit interrupter.

### APPLICATIONS

General Industrial Use  
Inspection  
Maintenance  
Service Personnel  
Utilities

### 12 Volt Vehicle Battery-Operated Spotlights with 12 Volt Auxiliary Power Outlet

Description	Lamps, Par 36 Sealed Beam			Cord Type/ Length	Weight (lbs.)	Model No.
	Wattage	Amps	Candlepower			
Floodlight, 75° cone	18	1.4	1,500	13' 18/2 coiled	3	SL182A-XXN-C18
Spotlight	30	2.3	50,000	13' 18/2 coiled	8	SL302A-XXN-C18
Spotlight, halogen-cycle	50	3.9	100,000	13' 18/2 coiled		SL502A-XXN-C18

### 120 Volt/60 Hz Spotlights with Inline, Step-Down Transformer

Description	Lamps, Par 36 Sealed Beam			Cord Type/ Length	Weight (lbs.)	Model No.
	Wattage	Amps	Candlepower			
Floodlight, 75° cone	18	1.4	1,500	25' 16/2 SJO	8	SL182A-16S-J16F
				50' 16/2 SJO		SL182A-16S-J16K
Spotlight	30	2.3	50,000	25' 16/2 SJO		SL302A-16S-J16F
				50' 16/2 SJO		SL302A-16S-J16K
Spotlight, halogen-cycle	50	3.9	100,000	25' 16/2 SJO		SL502A-16S-J16F
				50' 16/2 SJO		SL502A-16S-J16K

Additional models available, including custom configuration. Call KH Industries for details.



# Lights Wired to Cord Reels

## Safe Worksite Lighting with Tangle-Free Retractable Cord Reels



### FEATURES:

- Easy Plug-n-Play cord reel comes with NEMA 5-15P and 16" feeder cord for immediate use (120 VAC)
- Spotlight models feature 120 Volt input with 12 Volt step down transformer
- SJOW Cord is oil and water resistant
- Cord reels feature integrated and adjustable ball stop and swivel eye hook for hanging
- Steel housing construction for durability
- Ballast mounted on side of reel
- See page 26 for additional cord reel features

### OPTIONS:

- GFCI plug on feeder cord
- Pull to Light feature
- Fluorescent hand lamps (page 10) or Spotlights (page 12)

### APPLICATIONS

General Industrial Uses  
Maintenance, Repair, and Inspection

Lamp Type	Wattage	Cord Color	Voltage	Cord Length	Model No.
Fluorescent	13 Watt	Yellow	120 VAC	40'	CRA-13TT-J18I
Fluorescent	15 Watt	Black		30'	CRA-15T8-J16G
Fluorescent	15 Watt	Yellow		40'	CRA-15T8-J18I
Fluorescent	8 Watt	Yellow		40'	CRA-8T5-J18I
Fluorescent	13 Watt	Yellow		35' Pull to Light	CRB-13TT-J18H
Fluorescent	15 Watt	Yellow			CRB-15T8-J18H
Fluorescent	8 Watt	Yellow			CRB-8T5-J18H
Incandescent	18 Watt	Black	120 VAC Input/12 VDC Output	30'	CRA-SL18-J16G
Incandescent	30 Watt	Black		30'	CRA-SL30-J16G
Halogen	50 Watt	Black		30'	CRA-SL50-J16G

Additional models available, including custom configuration. Call KH Industries for details.



# Hazardous Location Lighting by KH Industries

Designed to Article 500 of the National Electric Code, KH Hazardous Location Lights meet the highest standards and are relied on to provide safe illumination within a variety of industries and hazardous environments, including:

- Aircraft Maintenance
- Fuel Cells
- Utilities
- Refineries
- Chemical Storage
- Spray/Paint Booths
- Shipyards
- Grain Elevators

We are pleased to expand our product offering of hazardous location lighting.

The above listed items are our most commonly asked for explosion-proof lights, please call **716-312-0088** with questions, or for a complete listing of KH's Hazardous Location Lights.





# Hazardous Location Class and Division Definitions as Defined by the National Electric Code, Articles 500-516

This explains what is meant by the class, division, and group ratings given to products that are certified for use in hazardous locations. Each class and division is defined. When purchasing or using electrical products that have been certified for use in specified hazardous locations, it is important to know what those locations are.

## CLASS I, II, AND III

As defined by the National Electrical Code (NEC), Hazardous Locations are those in which fire or explosions may occur due to the presence of:

- **Class I.** Flammable gases, vapors, or liquids
- **Class II.** Combustible dusts
- **Class III.** Ignitable fibers or flyings

## DIVISION 1 AND 2

Division ratings are defined by Article 500 of the NEC:

- **Division 1.** Locations where a flammable or combustible atmosphere is present under normal operating conditions
- **Division 2.** Locations where a flammable or combustible atmosphere is present only under abnormal conditions

*NOTE: By definition, if a certification lists "Division 1" [or has no division listing] for a specific class then that product is suitable for use in Division 1, Division 2, and non-hazardous locations of that class.*

## CLASS I GROUPS A, B, C, AND D

The flammable and combustible gases, vapors, and liquids class is further divided into Groups as follows:

- **Group A.** Atmospheres containing acetylene
- **Group B.** Atmospheres containing acrolein, butadiene, ethylene oxide, propylene oxide, hydrogen, or fuel and combustible process gases containing more than 30% hydrogen by volume
- **Group C.** Atmospheres containing ethyl ether, ethylene, or gases or vapors of equivalent hazard
- **Group D.** Atmospheres containing acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, methanol, naphtha, propane, or gases or vapors of equivalent hazard

*NOTE: If there is no Group rating on information provided by a manufacturer, investigate further and ensure that the product meets your needs. You can not assume that the lack of a Group rating means a product is appropriate for use in all group locations.*

## CLASS II GROUPS E, F, AND G

Dust-ignition-proof equipment is also further divided into groups based on the different types of combustible dust that may be present.

- **Group E.** Atmospheres containing combustible metal dusts
- **Group F.** Atmospheres containing carbon black, charcoal, coal or coke dusts with more than 8% total volatile material, or atmospheres containing these dusts sensitized by other materials so that they present an explosion hazard
- **Group G.** Atmospheres containing combustible dusts not included in Group E or F, including flour, grain, wood, plastic and chemicals



## *Intrinsically Safe*

### Class I Division 1 Hazardous Locations

#### RECHARGEABLE

Certified For:

- Class I, Division 1, Group A, B, C and D
- Class II, Group E, F and G
- Class III, T4
- cULus listed



#### FEATURES:

- No exposed metal — intrinsically safe
- No charge contacts; uses induction charging
- Waterproof; lantern is buoyant

#### APPLICATIONS

Aircraft Maintenance & Inspection  
Fuel Cell Maintenance  
Gas and Pipeline Inspection & Maintenance  
Refineries, Oil Rigs & Off Shore Drilling  
First Responders: Fire Fighting, Law Enforcement & Aerial Signaling  
Hazardous Material Manufacturing & Storage  
Shipyards/Marine Applications  
Grain Elevator Maintenance & Inspection  
Mining

#### ON-THE-GO VERSATILITY: 340° ROTATING HEAD WITH 70° PIVOTING ANGLE





# Rechargeable, Hazardous Location LED Lantern

## SPECIFICATIONS:

### LAMP:

- Medium Spot or Flood Pattern
- 340° Rotating head with 70° pivoting angle; vertical or horizontal use
- Six Rear Blue Signaling Lights have five light patterns: On, Off, Flash, Rotating, SOS (rear and front)
- Trigger-activated front LED lens and rear signal lights
- LEDs: 405 Lumens

**RUN TIME:** 10 Hours

### BATTERY:

- Voltage: 6V
- Amperage: 1170mAh
- Type: Nickel Metal Hydride
- Charging: AC or 12VDC (vehicle battery) power sources

### EXTERIOR LENS:

- Unbreakable polycarbonate
- Case: High Impact ABS
- Color: Green
- Anti-roll design with built-in stabilizers
- Indicator light for charging

### INCLUDED CHARGING BASE ACCESSORIES:

- One-handed release from charging base
- Adjustable Carrying Strap (included)
- 120VAC and 12VDC Chargers (included, pictured to right)
- Mounting Bracket (included)

### DIMENSIONS:

- 12.25" Length
- 5.5" Outer diameter
- 6.5 lbs. Lantern only; 9 lbs. Lantern with charging station



Model No. GX-16N  
Replacement 120VAC Charger



Model No. GX-12V  
Replacement 12VDC Charger

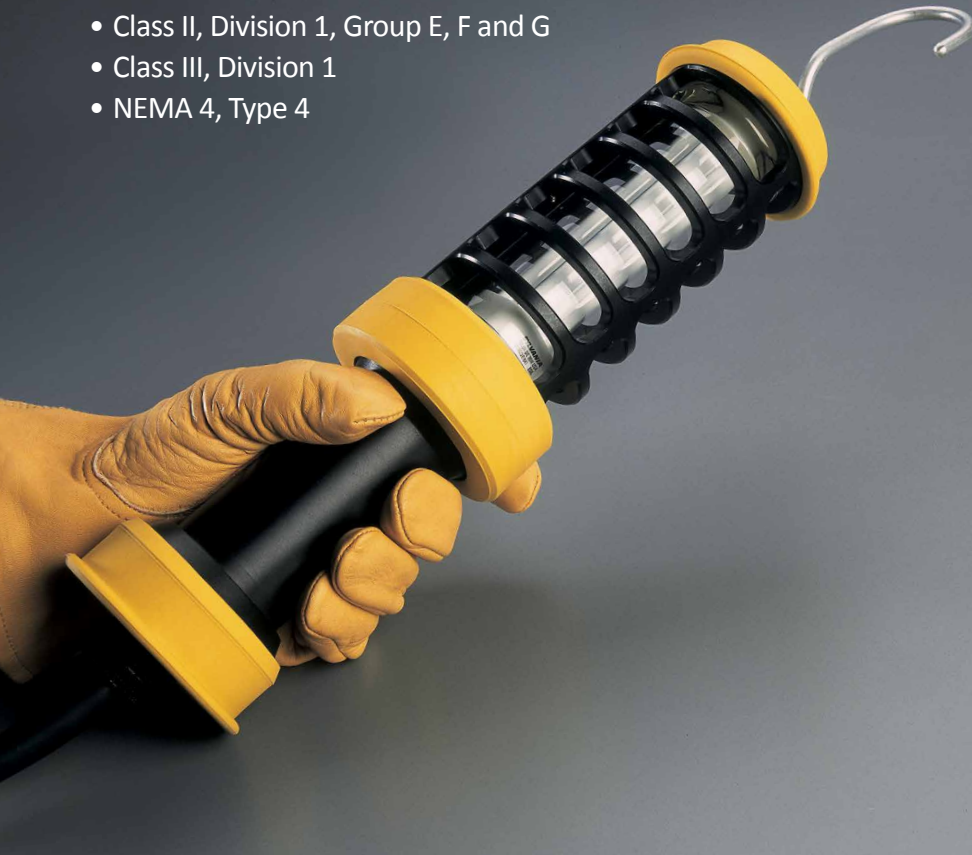
Description	Model No.
Full Lantern Package: 405 Lumens, medium spot with 12VDC and 120VAC Chargers	GX3M-BG-16TA
Additional Charging Base with 12VDC and 120VAC Chargers	GX-16TA
Full Lantern Package: 405 Lumens, wide flood w/12VDC & 120VAC Chargers	GX3W-BG-16TA
Lantern only, medium spot	GX3M-BG
Lantern only, wide flood	GX3W-BG

## Class I Division 1 Hazardous Locations

### EP300 SERIES

Certified For:

- Class I, Division 1, Group C and D
- Class II, Division 1, Group E, F and G
- Class III, Division 1
- NEMA 4, Type 4



### FEATURES:

- Built in reflectors for wide shadowless illumination
- Commercial fluorescent lamp provides 10,000 hours of life
- Non-sparking aluminum housing, hard coated anodized exterior, molded bumper guards, and lamp shock absorbers for durability in high-impact situations
- Annealed glass tubeshield to prevent shattering
- Integrated, pivoting hook for positioning versatility

### OPTIONS:

- Electronic in handle or magnetic inline ballast
- A variety of wattages, voltages, frequencies, ballast types, cord lengths, and plugs available



*Also available prewired KH's RTS  
Hazardous Location Retractable Cord Reel.*

### APPLICATIONS

Aircraft Maintenance  
Fuel Cells  
Utilities  
Refineries  
Chemical Storage  
Spray/Paint Booths  
Shipyards  
Grain Elevators

# EP300 Series Hazardous Location Work Lights

## SPECIFICATIONS:

- Watts: 26 (equal to 100 watt incandescent)
- Cord Lengths: 25' or 50'. Custom cord lengths from 6' to 125' also available
- Electrical Operation:
  - Standard: 120 VAC/60 Hz
  - Also available: 120 VAC/50 Hz; and 220 VAC, 50 or 60 Hz
- Ballast Types:
  - 26 Watt Model - magnetic or electronic
- Power Cord: 16/3 AWG, Type SOOW
- Plug: EP300 Hazardous Location Lights do not include plugs; however, a variety of commercially available plugs can be installed at KH Industries prior to shipping

### EP300 Hazardous Location Lights with Electronic In-Handle Ballast

Voltage	Frequency	Ballast	Cord Length	Weight (lbs)	Model No.
120	50/60Hz	Electronic In handle	25'	10	EP326-16E-25
			50'	13	EP326-16E-50

### EP300 Hazardous Location Lights with Magnetic Inline Ballast

Voltage	Frequency	Ballast	Cord Length	Weight (lbs)	Model No.
120	50 Hz	Magnetic Inline	25'	10	EP326-15S-25
			50'	13	EP326-15S-50
	60 Hz		25'	10	EP326-16S-25
			50'	13	EP326-16S-50
220	50 Hz		25'	10	EP326-25S-25
			50'	13	EP326-25S-50
	60 Hz		25'	10	EP326-26S-25
			50'	13	EP326-26S-50

*Additional configurations are available, including longer cord lengths and a variety of plug options. Contact KH for details.*

## Slim Design for Class I Division 1 Hazardous Locations

### EP215 SERIES

Certified for:

- Class I, Divisions 1 and 2, Group D
- Class II, Divisions 1 and 2, Groups E, F and G
- Class III, Divisions 1 and 2



### FEATURES:

- Slim, lightweight design with a soft, wide plane of light that is ideal for maintenance, inspection, and repair in tight spaces
- This durable lamp features an all aluminum body with rubber bumper guards and an impact resistant annealed glass tubeshield
- Built-in metal reflectors maximize light efficiency while using an energy efficient fluorescent 15 watt bulb

### SPECIFICATIONS:

- Watts: 15
- Cord Lengths: 25' or 50'. Custom Cord lengths available upon request
- Electrical Operation: 120 VAC, 60 Hz
- Ballast: Inline
- Power Cord: 16/3 AWG, Type SOOW.
- Plug: A variety of our commercially available plugs can be installed at KH prior to shipping

### DIMENSIONS:

- Length: 27"
- Outer diameter: 3.25"

Wattage	Voltage	Frequency	Cord Length	Weight	Model No.
15	120	60	25'	12.25	EP215-16I-25
			50'	14.5	EP215-16I-50

Additional configurations are available, including longer cord lengths and a variety of plug options. Contact KH Industries for details.



# Wet Location and Vapor Proof Lighting



## FEATURES:

- Vapor Proof/Wet Location work lights are designed as portable hand lamps for wet locations\*
- These sockets include a heavy-duty, internal crush-proof ring around the screw shell and an external grounding ring
- The body style is designed to accommodate a vapor-proof glass or plastic globe
- A heavy gauge steel wire guard is finished with a zinc-chromate plating for protection against corrosion
- Handles are molded of durable rubber and are integrally molded to type SOOW cord.

## SPECIFICATIONS:

- Watts: 100 or 75 watt standard incandescent bulb
- Globe: Glass or polycarbonate
- Cord Length: 50' SOOW cord

## ELECTRICAL OPERATION:

- Standard: 120 Volt/60 Hz
- Also available in 12 Volt
- Power Cord: 16/3 AWG, Type SOOW
- Plug: Non-Hazardous Location NEMA 5-15
- Lamphood suitable for IEC Class IP67 and NEMA 6

## DIMENSIONS:

- 16" Length
- 5" Outer diameter
- 8.5 lbs. with cord

### \* Refer to OSHA:1926.405(a)(2)(ii)(G)

Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 Volts or less. However, 120 Volt lights may be used if protected by a ground-fault circuit interrupter.

Wattage	Voltage	Frequency	Cord Length	Globe	Model No.
100	120	60	50'	Glass	VP10G-16N-Y16K-M
75	120	60	50'	Polycarbonate	VP75P-16N-Y16K-M

## Bright Dependable Illumination in a Durable Design



### FEATURES:

- Two rotating lamp heads provide 330° of vertical and horizontal movement
- Weather resistant design withstands damage from snow, ice, UV, and salt water
- Dual lamp heads provide illumination redundancy

### OPTIONS:

- Wireless, hard wired, or dual-controlled remote controls
- Various lamp packages available: LED, HID, halogen, emergency scene lights

### APPLICATIONS

Utility Maintenance  
Military/DoD  
Emergency Response Vehicles



Model No. NR2C-W  
Wireless TwinRay™



LED Flashlight in Wireless  
TwinRay™



Model No. SB2C-H  
Hardwired TwinRay™

### INTRODUCING THE TWINRAY™ WIRELESS CONTROLLER:

KH's exclusive transmitter technology provides clear and consistent, noise free communication. The enhanced signal-to-noise ratio with KH's proprietary selective signal processing provides the technology for this state-of-the-art StarBeam™ 2 Spotlight System. Additionally, KH's exclusive multiple RF code sequencing with positive identification eliminates false signals from other RF transmitters and environmental noise.

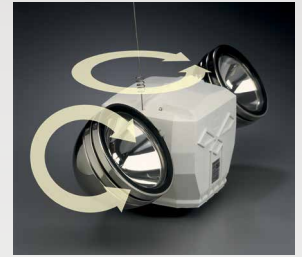
- Weather-resistant housing with sealed buttons
- Durable design, made from Polycarbonate/ABS blend to prevent breakage
- Ergonomically designed for easy gloved-hand operation
- Will control StarBeam™ from over 100' away
- Easy in-field programming when adding a second StarBeam™ or NightRay™ spotlight
- FCC and Industry Canada approved for 433 MHz
- Standard AAA battery operation
- One wireless TwinRay™ Controller can independently operate up to two StarBeam™ or NightRay™ Spotlights
- Each StarBeam™ or NightRay™ Spotlight can be controlled by up to six wireless TwinRay™ remotes
- Wired controller has new easy-to-install Cat 5e connector

# StarBeam™ 2 Dual-Head Spotlight System



## LED LAMP HEADS

- 10 LEDs per head
- Low power draw, only 4-Amps per head
- Resistant to damage from shock or vibration
- 12 VDC - vehicle battery operated



Lamp Type	Operation	Max Amps	Model #
LED, Par 56 High Output Pattern	Wireless	8	SB2-1L048-W
LED, Par 56 High Output Pattern	Wireless & Hardwired		SB2-1L048-D
LED, Par 56 High Output Pattern	Hardwired		SB2-1L048-H



## HID LAMP HEADS

- 35 Watt HID Xenon Heads
- 7.5-Amps at steady state

Lamp Type	Operation	Max Amps	Model #
HID Xenon Spotlight	Wireless	14	SB2-1D035-W
HID Xenon Spotlight	Wireless & Hardwired		SB2-1D035-D
HID Xenon Spotlight	Hardwired		SB2-1D035-H



## INCANDESCENT LAMP HEADS

- 130 Watt Incandescent Heads
- 13-Amps at Steady State
- Stainless Steel Lamp Housing

Lamp Type	Operation	Max Amps	Model #
Incandescent; Par 46 H3 Spotlights	Wireless	13	SB2-1H130-W
Incandescent; Par 46 H3 Spotlights	Wireless & Hardwired	13	SB2-1H130-D
Incandescent; Par 46 H3 Spotlights	Hardwired	13	SB2-1H130-H

## Independently Control Two NightRay™ Spotlights with One Controller



*NightRay™ spotlights feature remote control with 370° rotation on horizontal axis and 350° vertical tilt.*

### FEATURES:

- Exclusive open yoke design and clutch allows for trouble free operation in snow, ice, and salt water
- TwinRay™ wireless controller will control up to two NightRay™ Spotlights from 100'. For more information about the TwinRay™, see page 22.
- Five year limited warranty

### OPTIONS:

- Single or Double NightRay™ Kits available
- Various lamp packages available
- Wireless, dual-controlled or hardwired operation

### NIGHTRAY™ SPOTLIGHTS: THE LINEMAN'S SPOTLIGHT OF CHOICE

Designed specifically to meet the daily rigors of the utility industry, the NightRay™ 2 Spotlight System includes a new base and clutch that has been field tested to withstand heavy vibration in rough terrain.

All components are made with marine-grade materials and are snow, ice, UV, and saltwater resistant.

### APPLICATIONS

Nighttime inspection, maintenance & repair:

Utility Industry  
Military/DoD  
Cranes/Construction  
Emergency Response Vehicles  
Marine & Naval Ships

### CONTROL OPTIONS:





# NightRay™ Spotlight System



## Single NightRay™ Spotlights

### NightRay™ Spotlight Systems

Light Package, Includes (1) NightRay™ Spotlight	Wireless w/TwinRay™	Hardwired w/TwinRay™	Wireless & Hardwired	(2) Wireless TwinRays™	Legacy NightRay™ 2*
<b>750,000-cp Total Output.</b> Includes: One Par 46 - 50 Watt HID Spotlight with 750k-cp, 12V	NR4S-1D050-WS	NR4S-1D050-HS	NR4S-1D050-DS	NR4S-1D050-MS	NR-955-20
<b>360,000-cp Total Output.</b> Includes: One Par 46 H3 Spotlight with 360k-cp, 12V	NR4S-1H130-WS	NR4S-1H130-HS	NR4S-1H130-DS	NR4S-1H130-MS	775-20
<b>200,000-cp Spot/50,000-cp Flood Total Output.</b> Includes: One Par 46 Dual Filament Spotlight with 200k Spotlight/50k Flood light, 12V	NR4C-1C100-WS	NR4C-1C100-HS	NR4C-1C100-DS	NR4C-1C100-MS	675-20
<b>100,000-cp Spot/50,000-cp Flood Total Output.</b> Includes: One Par 36 Dual Filament Spotlight with 100k Spotlight/50k Flood light, 12V	NR3C-1C100-WS	NR3C-1C100-HS	NR3C-1C100-DS	NR3C-1C100-MS	475-20
* Legacy NightRay™ Spotlights include a 20' wiring harness and dash mounted control panel					



## Double NightRay™ 2 SpotLight Systems

Light Package, Includes (2) NightRay™ Spotlight	Wireless w/TwinRay™	Hardwired w/TwinRay™	Wireless & Hardwired	(2) Wireless TwinRays™	Dash Mount Control Panel
<b>1,500,000-cp Total Output.</b> Includes: Two Par 46-50 Watt HID Spotlights with 750k-cp each and the TwinRay™ wireless controller, 12V	NR4S-1D050-WD	N/A	NR4S-1D050-DD	NR4S-1D050-MD	N/A
<b>720,000-cp Total Output.</b> Includes: Two Par 46 - H3 Spotlights with 360k-cp each and the TwinRay™ wireless controller, 12V	NR4S-1H130-WD		NR4S-1H130-DD	NR4S-1H130-MD	
<b>400,000-cp Spot/100,000-cp Flood Total Output.</b> Includes: Two Par 46 Dual Filament Spotlights with 200k Spotlight/50k Flood light each and the TwinRay™ wireless controller, 12V	NR4C-1C100-WD		NR4C-1C100-DD	NR4C-1C100-MD	
<b>200,000-cp Spot/100,000-cp Flood Total Output.</b> Includes: Two Par 36 Dual Filament Spotlights with 100k Spotlight/50k Flood light each and the TwinRay™ wireless controller, 12V	NR3C-1C100-WD		NR3C-1C100-DD	NR3C-1C100-MD	
Customized NightRay™ packages are available with two different bulb configuraitons. Contact KH Industries for details.					

## Affordable, Tangle Free Cord Storage for Indoor Use



### FEATURES:

- Cord pulls to desired length; locks, and automatically retracts with a tug
- Easy Plug-n-Play cord reel comes with molded NEMA 5-15P on feeder cord for immediate use (120 VAC)
- Integrated and adjustable ball stop
- Compact design
- A variety of pre-wired options including plugs, connectors, and work lights are available

### APPLICATIONS

Retail  
Temporary Exhibits or Displays  
Service  
Construction  
Maintenance  
Manufacturing  
Shop/Garage Use  
Service

### CRA/CRB/CRD Series Features

- White CRA cord reel available with white cord
- Molded NEMA 5-15P Plug
- Compact steel construction
- Adjustable ball stop
- Eyehook for hanging mount
- Hardware for wall mount included

### OTHER AVAILABLE OPTIONS:

Pull-to-light feature.

Pre-wired to KH Industries worklights, spotlights, plugs, connectors, or triple tap outlet.

### DIMENSIONS

- Height: 11"
- Width: 9"
- Depth: 3.25"
- Weight: 8 lbs.

### CRP SERIES FEATURES

- Resettable circuit breaker built into triple-tap outlet
- Ceiling/Wall Mount with quick-release mounting bracket and carrying handle
- High impact-resistant thermoplastic construction

### DIMENSIONS

- Height: 15" (w/handle) or 13.5" (w/out handle)
- Width: 12"
- Depth: 5.5"
- Weight: 14 lbs.

# Light Duty Cord Reels, Indoor Use

## CRA/CRB/CRD CORD REEL SERIES CATALOG NUMBERS:



Payout Configuration	Gauge/ Conductor	Cord Type/ Color	Cord Length	Reel Color	Amps	Model No.
Blunt cut; Pull to light option	18/3	SJO - Yel	35	White	7	CRB-XXX-J18H
Blunt cut	18/2	SJO - Yel	40'	White	7	CRA-XXX-J18I
Blunt cut	16/3	SJO - Black	30'	White	10	CRA-XXX-J16G
Molded with triple tap outlet, circuit breaker, white reel with white cord	16/3	SJT - White	30'	White	10	CRA-B515-T16G-3
Molded (3) NEMA 5-15 triple-tap outlets & circuit breaker	14/3	SJT - Yel	30'	Black	13	CRA-B515-T14G
Molded NEMA 5-15R; GFCI reset on feeder cord	12/3	SJT - Black	20'	Black	15	CRD-C515-T12E



## CRP SERIES CORD REEL SERIES CATALOG NUMBERS:

Payout Configuration	Gauge/ Conductor	Cord Type/ Color	Cord Length	Reel Color	Amps	Model No.
Molded (3) NEMA 5-15R triple-tap outlets & circuit breaker	12/3	SJTW-Yel	40'	Black	15	CRP-B515-T12I
Molded (3) NEMA 5-15R triple-tap outlets & circuit breaker	14/3	SJTW-Yel	50'	Black	13	CRP-B515-T14K

## Need More Power?

Turn the page to see our higher amperage and motorized ReelTuff™ Cord Reels.

**RTB**



**RTF**



**RTI**



## NEMA 2 Commercial and Industrial Grade for Indoor or Outdoor Use

*The table below is a limited sample of the many cord reels KH Industries has available. For additional configurations or custom needs, please visit our website or call us today.*



**RTB Plug-n-Play Series, NEMA 2 Rated for Indoor Use, 125 Volt**

Description/ Features	Cord Length	Gauge/ Conductor	Cord Type/Color	Max Amps	NEMA Connector	NEMA Plug Config.	Reel Color	Model No.
(2) 15A Duplex	25'	16/3	SJOW/Black	10	5-15R	5-15P	Yel	RTBA3L-WDD515-J16F
	50'							RTBA3L-WDD515-J16K
	25'	14/3		15				RTBB3L-WDD515-J14F
	50'							RTBA3L-WDD515-J14K
	30'							RTBB3L-WDD515-B12G
(2) 20A Duplex	30'	SOOW/Black	20	5-20R	5-20P	RTBB3L-WDD520-B12G		
(1) 20A GFCI/Blank	25'	SJOW/Black		5-20R		RTBB3L-WGB520-J12F		
	50'					RTBB3L-WGB520-J12K		
(2) 20A Duplex	25'					RTBB3L-WDD520-J12F		
	50'					RTBB3L-WDD520-J12K		

*Additional cord reels are available, including motorized, retrieve cord reels, and cord reels for specialty applications. Please contact KH Industries for more information.*



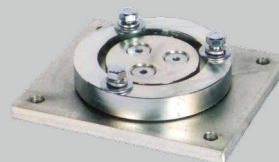
**RTB Plug-n-Play Series, NEMA 2 for Indoor Use, 125 Volt**

 (2) 20A Duplex	25'	12/3	SEOW/White	20	(4) 5-20R	5-20P	White	RTBB3LW-1DD520-H12F
	25'		SJOW/Black					RTBB3LW-1DD520-J12F
	50'							RTBB3LW-1DD520-J12K
	25'							RTBB3LW-1DD520-P12F
	50'		RTBB3LW-1DD520-P12K					
	25'		SJOW/White		Black		RTBB3LB-1DD520-J12F	
	50'						RTBB3LB-1DD520-J12K	
(1) 20A GFCI/Blank	25'	RTBB3LB-1GB520-J12F						
(1) 20A GFCI/Blank	50'	RTBB3LB-1GB520-J12K						

*Additional cord reels are available, including motorized, retrieve cord reels, and cord reels for specialty applications. Please contact KH Industries for more information.*

### APPLICATIONS

Construction  
Maintenance/Service  
Manufacturing  
Vehicle Charging Stations  
Retail  
Education/Hospitality  
Utilities  
Medical/Laboratories



Model No: RTBF-PVB  
345° Pivot Base



Model No: RTBF-SWB3  
360° Continuous Rotation  
Swivel Base

# RTB Heavy Duty/Industrial Cord Reels

## NEMA 4 Commercial and Industrial Grade for Indoor or Outdoor Use

*The table below is a limited sample of the many cord reels KH Industries has available. For additional configurations or custom needs, please visit our website or call us today.*




**RTB Cord Reel Series, NEMA 4 for Outdoor (Wet Location) or Indoor Use, 600 Volt**

Description/ Features		Cord Length	Gauge/ Conductor	Cord Type/Color	Max Amps	NEMA Connector	NEMA Plug Config.	Reel Color	Model No.
Blunt Ends	25'	16/3	SJOW/Black	10	N/A	N/A	Yel	RTBA3L-WW-B16F	
	50'	16/3		10				RTBA3L-WW-B16K	
	25'	14/3		15				RTBB3L-WW-B14F	
	40'	14/3		15				RTBB3L-WW-B14I	
	30'	14/4		15				RTBB4L-WW-B14G	
	30'	12/3		20				RTBB3L-WW-B12G	
	25'	12/4		16				RTBB4L-WW-B12F	
Pivot Base with 360° rotation							Gray	RTBF-PVB	
Swivel Base with 360° continuous rotation; 3 conductor							Yel	RTBF-SWB3	

Additional cord reels are available, including motorized, retrieve cord reels, and cord reels for specialty applications. Please contact KH Industries for more information.



**RTB Series, NEMA 4 for Outdoor (Wet Location) or Indoor Use, 300 Volt**

 Blunt Ends	25'	12/3	SJOW/Black	20	N/A	N/A	White	RTBB3LW-WW-J12F
	50'							RTBB3LW-WW-J12K
	25'		SJOW/White					RTBB3LW-WW-P12F
	50'							RTBB3LW-WW-P12K
	25'		SJOW/Black				Black	RTBB3LB-WW-J12F
	50'							RTBB3LB-WW-J12K

Additional cord reels are available, including motorized, retrieve cord reels, and cord reels for specialty applications. Please contact KH Industries for more information.

### FEATURES:

**NEMA 2 rated - Indoor use**

**NEMA 4 rated - Indoor/outdoor use, including wet locations**

- 30 Amp/600 Volt rated slip ring
- Heavy-duty formed steel mounting base for ceiling, floor, or wall
- Adjustable ball stop included
- Adjustable ratchet can be engaged (positive lock) or disengaged (constant tension) as needed
- 6' feeder cord included

### OPTIONS:

- Up to 20 Amps
- 2 - 4 Conductors
- 12 - 16 AWG
- SJOW, SOOW, SEOW (black or white cord)
- Custom cord lengths available
- Outlet boxes, plugs, connectors, or work lights
- Pivot Base rotates up to 345°
- Swivel Base 360° continuous rotation

### ACCESSORIES:

- GFCI inline with feeder cord
- Pre-wired options include outlet boxes, plugs, or connectors
- RTF Series Cord Reels are de-rated to the NEMA rating of the accessories when added

### SPECIFICATIONS

For complete measurements, contact KH Industries for a dimensional drawing.





## Corrosion Resistant Cord Reels for Indoor or Outdoor Industrial Applications



### APPLICATIONS

Utility Trucks	Engine Block Heater Stations
Construction	Maintenance
Manufacturing	Mining
Cranes/Hoists	Food/Chemical Processing
Utilities	Agricultural

### SPECIFICATIONS

For complete measurements, contact KH Industries for a dimensional drawing.

### FEATURES:

**NEMA 4X rated for indoor, outdoor, and corrosive use, including wet locations and dust-environments.**

- 35 Amp/600 Volt rated slip ring
- Heavy-duty formed steel mounting base for ceiling, wall, or floor
- Yellow powder-coat finish
- Adjustable ratchet can be engaged (positive lock) or disengaged (constant tension) as needed

### OPTIONS:

- 2 - 12 Conductors
- 16 - 10 AWG
- SOOW or SJOW, welding, and grounding
- RTF reels accommodate lift, drag, or retrieve, contact us for stretch applications
- Custom cord lengths up to 100' available
- Motorized options
- Pivot or Swivel bases available

### ACCESSORIES:

- Pre-wired options include outlet boxes, plugs, or connectors
- RTF Series Cord Reels are de-rated to the NEMA rating of the accessories when added.



Model No: RTBF-PVB  
345° Pivot Base

Model No: RTBF-SWB3  
360° Continuous Rotation  
Swivel Base

# RTF Heavy Duty/Industrial Cord Reels

## NEMA 4X Rated, Corrosion Resistant Cord Reels for Indoor or Outdoor Industrial Applications

KH Industries offers the following selection of retractable power cord reels that will meet most lift/drag applications and environmental needs. Additional models including stretch or retrieve cord reels are available as well as made-to-order cord reels.

*The table below is a limited sample of the many cord reels KH Industries has available. For additional configurations or custom needs, please visit our website or call us today.*

Gauge/Conductor	Cord Length	Max Amps	Model No.
RTF Cord Reels are NEMA 4X Rated for indoor, outdoor use in corrosive environments			
16/3	30'	10	RTFD3L-WW-B16G
16/3	50'	10	RTFD3L-WW-B16K
16/3	70'	10	RTFB3L-WW-B16O
16/4	30'	8	RTFD4L-WW-B16G
16/4	50'	8	RTFD4L-WW-B16K
16/4	70'	8	RTFA4L-WW-B16O
14/3	30'	15	RTFD3L-WW-B14G
14/3	70'	15	RTFJ3L-WW-B14O
14/4	30'	12	RTFD4L-WW-B14G
14/4	70'	12	RTFQ4L-WW-B14O
12/3	30'	20	RTFD3L-WW-B12G
12/3	50'	20	RTFH3L-WW-B12K
12/3	70'	20	RTFQ3L-WW-B12O
12/4	50'	16	RTFH4L-WW-B12K
12/4	30'	16	RTFD4L-WW-B12G
12/4	60'	16	RTFP4L-WW-B12M
10/3	30'	25	RTFD3L-WW-B10G
10/3	50'	25	RTFH3L-WW-B10K
10/4	30'	20	RTFC4L-WW-B10G
10/4	50'	20	RTFP4L-WW-B10K
Pivot Base, 345°		N/A	RTBF-PVB
Swivel Base, 360° continuous rotation; 3 conductor		N/A	RTBF-SWB3

Additional cord reels are available, including motorized, retrieve cord reels, and cord reels for specialty applications. Please contact KH Industries for more information.



## High Amperage and Cord Capacity Retractable Power Cord Reels



### FEATURES:

*Built to NEMA 4 standards for indoor and outdoor use, including wet locations.*

- 35 to 150 Amp/600 Volt rated slip ring
- Heavy-duty 100% formed steel stand
- Low friction, four-roller cord guide
- Yellow powder-coat finish
- Positive lock or constant-tension
- Lifetime lubricated motor
- Ratchet included

### OPTIONS:

- Up to 110 Amps
- 2 - 20 Conductors
- 16 - 2 AWG
- Optional ball stop
- Holds up to 150' of SOOW
- Motorized options

### APPLICATIONS

Utility Maintenance Vehicles  
Manufacturing  
Cranes  
Construction

### SPECIFICATIONS

For complete measurements, contact KH Industries for a dimensional drawing.

# RTI/RTM High Capacity Cord Reels

All cord reels listed are designed for lift or drag application, ie: ceiling mounted. Please contact us if your cord is being attached to moving machinery or if it will be suspended horizontally in the air.

***The table below is a limited sample of the many cord reels KH Industries has available. For additional configurations or custom needs, please visit our website or call us today.***

Cord Length	Gauge/Conductor	Cord Type	Max Amps	Model No.
100'	14/3	SO	15	RTIA3L-WW-B14U
100'	14/4	SO	12	RTIA4L-WW-B14U
100'	12/3	SO	20	RTIK3L-WW-B12U
100'	12/4	SO	16	RTIL4L-WW-B12U
100'	10/3	SO	25	RTIL3L-WW-B10U
100'	10/4	SO	20	RTIL4L-WW-B10U
70'	8/4	W	45	RTMR4L-WW-K8O
30'	8/4	W	45	RTID4L-WW-K8G
50'	6/4	W	55	RTMH4L-WW-K6K

Additional cord reels are available, including motorized, retrieve cord reels, and cord reels for specialty applications. Please contact KH Industries for more information.

## Need More Power?

Contact us for higher amperage and motorized ReelTuff™ Cord Reels.



### RTV/RTW SERIES, NEMA 4

- Outdoor & indoor use
- Up to 130 Amps
- 2 to 36 Conductors
- 200' max cord length





## Hazardous Location Retractable Power Cord Reels



Available with explosion proof hand lamp.



### FEATURES:

*NEMA 4 rated for indoor, outdoor use, including wet locations and dust-environments*

### CERTIFIED FOR:

Class I, Division 1, Group C and D  
Class II, Division 1, Group E, F and G  
Class III, Division 1  
NEMA 4, Type 4

- 30 Amp/600 Volt rated slip ring
- Steel and aluminum body
- Grey powder-coat finish
- 4' Feeder cord included
- Spring activated ratchet included
- Ball stop included
- Factory assembled with SOOW cord

### OPTIONS:

- 16 - 10 AWG
- 3 - 10 Conductors
- 20' or 50' standard, custom cord lengths available

### APPLICATIONS

Air Force Bases	Aviation Hangars
Cranes	Chemical Processing
Agricultural	Hazardous Locations

Description	Cord Length	Gauge/Conductor	Cord Type	Max Amps	Model No.
Hazardous Location Reel	50'	16/3	SO	10	RTSD3L-WW-B16K
Hazardous Location Reel with 26W Fluorescent Work Light	50'	16/3		10	RTSD3L-HEP326-B16K
Hazardous Location Reel	20'	14/3		15	RTSD3L-WW-B14E
Hazardous Location Reel	50'	14/3		15	RTSD3L-WW-B14K
Hazardous Location Reel	20'	14/4		12	RTSD4L-WW-B14E
Hazardous Location Reel	50'	14/4		12	RTSA4L-WW-B14K
Hazardous Location Reel	50'	12/3		20	RTSA3L-WW-B12K

# RTX Series Static Discharge Grounding Reels



## FEATURES:

- Rugged all-steel construction
- Stranded steel cord
- 100A grounding clamp
- Rubber adjustable ballstop
- Constant spring tension keeps the cord from becoming tangled (can be locked)
- Corrosion resistant with red powder coated paint
- Compact design
- Mounts in any position (with spool perpendicular)
- Built to NEC Standards

## DIMENSIONS:

**6.25' H X 5.75' W X 3.25' D**

## OPTIONS:

- 25' or 50'
- Uncoated or orange nylon coated wire

## ABOUT GROUNDING FOR STATIC CONTROL

Static electricity can be generated by material processing such as mixing, pouring, pumping, filtering, and agitating. Grounding equipment can reduce static electricity in your environment and reduce the chance of a static spark igniting flammable vapors. Conductive metal objects such as screens, rims of nonconductive drums, probes, spray nozzles, and high-pressure cleaning equipment can become statically charged.

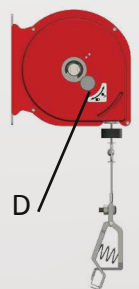
Grounding systems electrically connect equipment to the ground, which prevents equipment from becoming sufficiently charged to cause a static spark.

When the potential for static electricity problems exists, you should always comply with OSHA requirements as outlined in Section 1910.106 and 1910.107 of the OSHA code. NFPA 77 also provides guidance on static electricity. Flammable liquid dispensing should be performed in accordance with all federal, state, and local laws.

## APPLICATIONS

Fuel Tank Static Grounding  
Airplane Static Grounding  
Utility Vehicle Static Grounding  
Maintenance Shops  
Any Place Where Static Might Build Up

**LOCK** - The mechanical locking device works positively at all times and in any position, regardless of the cord retraction speed. The lock engages at the desired position by pulling the cord approximately 1/2 inch. The lock release knob (D) completely disengages the lock to constant tension.



Description	Model No.
RTX Static Discharge Grounding Reel w/ 25' of Uncoated Wire Rope	RTX-DCBF
RTX Static Discharge Grounding Reel w/ 50' of Uncoated Wire Rope	RTX-DCBK
RTX Static Discharge Grounding Reel w/ 25' of Orange Coated Wire Rope	RTX-DCOF
RTX Static Discharge Grounding Reel w/ 50' of Orange Coated Wire Rope	RTX-DCOK

# Manual Wind Cord Caddies

**Portable, Power-to-Go in a Rugged and Flexible Design**

*The easy way to get electrical power from source to site.*

**FEATURES:**

- Safety yellow, powder-coated steel end plates
- Fully grounded assembly
- Durable solid steel frames
- No collector rings, brushes or slip rings
- Dual duplex receptacles

**OPTIONS:**

- GFCI protection
- Dirt and dust resistant outlet covers
- A variety of cord lengths and types available
- Can be wired for data lines

**APPLICATIONS**

Construction  
Groundskeeping  
Manufacturing  
Maintenance  
Utilities



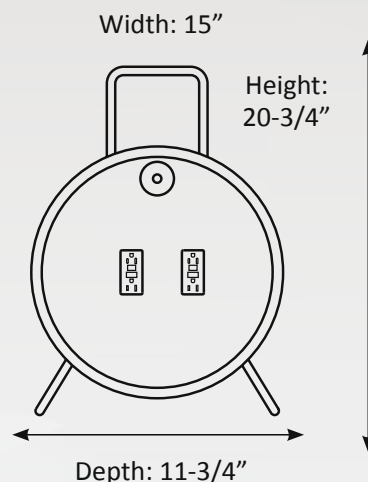
KH Industries Cord Caddies can be used horizontally or vertically for flexibility in almost any work environment.

# Manual Wind Cord Caddies


## SPECIFICATIONS:

- Weight: 15 lbs. without cord; weight varies with cord length installed
- Cord: 14 or 12 AWG, 3 conductors SOOW 600 VAC
- Electrical Operation: Voltage: 120 VAC
- Receptacles/Plug: NEMA 5 - 15 or NEMA 5 - 20
- Receptacles: Two commercial-grade duplex
- Attachment Plugs: Industrial grade, rubber jacketed
- Special Applications: KH Industries can customize your reel with a variety of other cord and cover options

*NOTE: Amperage ratings based on cord completely unreeled from caddy.*




## Cord Caddies with 15-amp, 14/3 Power Cord, NEMA 5-15 Receptacles

Blade Configuration	Black SOOW Cord			Yellow SOOW Cord	
	Cord Length	without GFCI	with GFCI	without GFCI	with GFCI
 15 Amp NEMA 5-15	0'	CCN-515-A	CCG-515-A	CCN-515-A	CCG-515-A
	50'	CCN-515-B14K	CCG-515-B14K	CCN-515-Y14K	CCG-515-Y14K
	75'	CCN-515-B14P	CCG-515-B14P	CCN-515-Y14P	CCG-515-Y14P
	100'	CCN-515-B14U	CCG-515-B14U	CCN-515-Y14U	CCG-515-Y14U
	125'	CCN-515-B14V	CCG-515-B14V	CCN-515-Y14V	CCG-515-Y14V
	200'*	CCN-515-B14Y	CCG-515-B14Y	CCN-515-Y14Y	CCG-515-Y14Y

\*Actual rating of 12 amps based on 200' of 14/3 cord completely unreeled from caddy.

## Cord Caddies with 20-amp, 12/3 Power Cord, NEMA 5-20 Receptacles

Blade Configuration	Black SOOW Cord			Yellow SOOW Cord	
	Cord Length	without GFCI	with GFCI	without GFCI	with GFCI
 20 Amp NEMA 5-20	0'	CCN-520-A	CCG-520-A	CCN-515-A	CCG-515-A
	50'	CCN-520-B12K	CCG-520-B12K	CCN-520-Y12K	CCG-520-Y12K
	75'	CCN-520-B12P	CCG-520-B12P	CCN-520-Y12P	CCG-520-Y12P
	100'	CCN-520-B12U	CCG-520-B12U	CCN-520-Y12U	CCG-520-Y12U
	125'	CCN-520-B12V	CCG-520-B12V	CCN-520-Y12V	CCG-520-Y12V



# 50-Amp Flip Seal Plugs and Connectors

Flip Seal plug and connectors are industrial grade and moisture, dust, and weather resistant.









## FEATURES:

- Re-wireable design
- Rubber housing with phenolic insert provides rugged and durable construction
- Molded rubber lip on connector provides a moisture, dust, and weather resistant enclosure when flipped over the plug
- Stainless steel screws



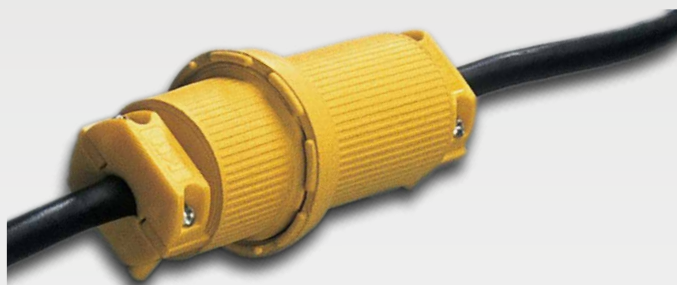
## APPLICATIONS

Agricultural  
Construction  
Manufacturing  
Maintenance  
Welding  
Utilities

Volts	Amps	Pole	Wire	Type	NEMA		Model No.
250	50	2	3	Straight Blade	6-50P		P650DF
250					6-50R		C650DF
125/250		3			10-50P		P1050DF
125/250					10-50R		C1050DF
125/250		4	14-50P			P1450DF	
125/250			14-50R			C1450DF	

# 15, 20, 30-Amp Plugs and Connectors

KH Industries' wiring devices feature rugged construction for safety and durability. Straight or locking blade configurations in 15 Amp, 20 Amp, and 30 Amp models are available. Offered in a variety of NEMA configurations with rubber housing, select from KH Industries' exclusive Flip Seal design which when using both a male and female connection will resist moisture, dirt and debris. Standard rubber jacketed plugs and connectors are also available.



## KH INDUSTRIES' EXCLUSIVE FLIP SEAL DESIGNED WIRING DEVICES

KH Industries' Flip Seal wiring devices are industrial grade and feature KH's exclusive plug and connector design which resists dust, dirt, and moisture. When the connector's 'lip' is flipped over the plug a secure electrical connection is made; if the plug is tugged it will stay connected. To safely disconnect, just give it a pull.



## RUBBER JACKETED WIRING DEVICES

Featuring weather resistant rubber housing, integrated cord grips, and enclosed terminal screw pockets. These devices offer the flexibility to interchange its high impact polycarbonate interior to create a recessed dust, dirt, and weather-resistant connection.

VAC	15 AMP		20 AMP		30 AMP	
	Plug	Connector	Plug	Connector	Plug	Connector
<b>2 POLE, 3 WIRE-GROUNDED WITH STRAIGHT BLADES</b>						
125	P515DC, DF	C515DC, DF	P520DC, DF	C520DC, DF		
250	P615DC, DF	C615DC, DF	P620DC, DF	C620DC, DF		
<b>2 POLE, 3 WIRE -GROUNDED WITH LOCKING BLADES</b>						
125	PL515DC, DF	CL515DC, DF	PL520DF	CL520DF	PL530DF	CL530DF
250	PL615DC, DF	CL615DC, DF	PL620DF	CL620DF	PL630DF	CL630DF
277	PL715DC, DF	CL715DC, DF				
<b>3 POLE, 3 WIRE WITH LOCKING BLADES</b>						
125-250			PL1020DF	CL1020DF	PL1030DF	CL1030DF
250			PL1120DF	CL1120DF	PL1130DF	CL1130DF

## Pendant or Feed Through Models

Non-metallic and non-conductive electrical outlet boxes protect against electrical shock. Designed to comply with OSHA and NEC regulations for safe, portable power. Complete assemblies are available as well as individual components.

PowerTuff Portable Outlet Boxes by KH Industries are available in standard depth size. Extra depth pendant and feed through outlet boxes are also available.

Industrial grade portable outlet boxes provide safe and compliant power to building maintenance, machinery, shipyards, construction sites, food, beverage, and entertainment venues.

Integrated strain relief system is molded into outlet box and won't pull or loosen over time due to vibration.

Bonding strap ensures that device and box are bonded to the grounding conductor. Required in Canada per CSA C22.2 No. 18-98.

Molded, industrial-grade rubber housing provides superior long-term durability, chemical, heat, crack, and oil resistance over thermoplastic and is virtually crush proof.

Integrated coverplate mounting holes eliminate the problem of inserts loosening over time.

Large internal cubic volume—18.97 cubic inches—for ease of wiring.



Six weather resistant and standard cover plate configurations.



Heavy duty stainless steel springs and flip lids.

# PowerTuff Portable Outlet Boxes

This is a small sample of our most common Portable Outlet Box configurations, contact us for a complete listing.

Box Type	Depth	Color	Strain Relief	NEMA	Outlets	Amps	Cover Plates	Model No.
With 15 Amp Receptacle(s)								
Dead End	Standard	Yellow	.50	5-15R	4	15	Duplex/Duplex	PT4DD-515-A
							GFCI/Duplex	PT4GD-515-A
					2		Duplex/Blank	PT4DB-515-A
		4			Duplex/Duplex Weather-Resistant		PT4DD-515-AWR	
					GFCI/Duplex Weather-Resistant		PT4GD-515-AWR	
					Duplex/Duplex		PT1DD-515-A	
	Black	2			Duplex/Blank		PT1DB-515-A	
					GFCI/Duplex		PT1GD-515-A	
		4			GFCI/Duplex Weather-Resistant		PT1GD-515-AWR	
Extra Depth	Yellow				Duplex/Duplex	PT7DD-515-A		
With 20 Amp Receptacles(s)								
Dead End	Standard	Yellow	.50	5-20R	4	20	Duplex/Duplex	PT4DD-520-A
							GFCI/Duplex	PT4GD-520-A
					2		Duplex/Blank	PT4DB-520-A
		4			Duplex/Duplex Weather-Resistant		PT4DD-520-AWR	
					GFCI/Duplex Weather-Resistant		PT4GD-520-AWR	
					Duplex/Duplex		PT1DD-520-A	
	Black	2			Duplex/Blank		PT1DB-520-A	
					GFCI/Duplex		PT1GD-520-A	
		4			GFCI/Duplex Weather-Resistant		PT1GD-520-AWR	
Extra Depth	Yellow				Duplex/Duplex	PT7DD-520-A		
Without Receptacles, Outlet Box with Two Coverplates								
Dead End	Standard	Black	.50	N/A	N/A	N/A	Duplex/Blank	PT1501-DBN
		Yellow					Duplex/Duplex	PT4501-DDN
		Black					Duplex/Duplex	PT1501-DDN
		Yellow					Duplex/Blank	PT4501-DBN
	Black	Black					Duplex/Blank	PT6501-DBN
		Yellow					Duplex/Duplex	PT7501-DDN
		Black					Duplex/Duplex	PT6501-DDN
Feed Through	Extra Depth	Yellow	.75				Duplex/Blank	PT7501-DBN
							1.56" Single/Blank	PT7501-LBN
							Duplex/Blank	PT7752-DBN
							Duplex/Duplex	PT7752-DDN
	Black	Duplex/Duplex Weather-Resistant					PT7752-DDW	
		Duplex/Blank					PT6752-DBN	
		Duplex/Duplex					PT6752-DDN	
					Duplex/Duplex Weather-Resistant	PT6752-DDW		
Additional configurations available, including single 1.39" and 1.56" openings, GFCI, and weather-resistant Flip Lids for duplex and GFCI. Please contact KH Industries for more information.								





## FEATURES:

- Amps: 15 or 20
- Electrical Box: Heavy duty rubber outlet box in safety yellow or low contrast black
- Cord: 12 AWG, 600 Volt SOOW cord
- 25' or 50' standard length, custom lengths available
- CSA/UL components
- Available with weather-resistant duplex, single 1.39", single 1.56", GFCI, weather-resistant GFCI, and blank

KH Bus Drops feature KH's PowerTuff Portable industrial grade outlet boxes that are designed to comply with OSHA and NEC regulations for safe, portable power. Made from non-metallic and non-conductive materials these electrical outlet boxes protect against electrical shock.

Designed to comply with with OSHA Standard 1910.305(g)(2)(iii).

Integrated strain relief system is molded into outlet box and won't pull or loosen. Mesh strain relief cord grips prevent cord pull out and control arc of bend.

Max Amps	Volts	Gauge	Conductor	Cord Length	NEMA	# of Outlets	Box Color	Model No. & Box Color
15	125	12	3	25'	5-15P	4	Yellow	PP4DD-515-B12F-515
				Black			PP1DD-515-B12F-515	
				50'			Yellow	PP4DD-515-B12K-515
				Black			PP1DD-515-B12K-515	
20			3	25'	5-20P		Yellow	PP4DD-520-B12F-520
				Black			PP1DD-520-B12F-520	
				50'			Yellow	PP4DD-520-B12K-520
				Black			PP1DD-520-B12K-520	
	4	25'	L1420P	Yellow	PP7DD-520-B12F-L1420			
		Black		PP6DD-520-B12F-L1420				
		50'		Yellow	PP7DD-520-B12K-L1420			
		Black		PP6DD-520-B12K-L1420				

# PowerTuff Stringers



Temporary Power Stringers Feed Through and Dead End

KH PowerTuff Stringers are industrial grade and designed to comply with OSHA and NEC regulations for safe, portable power.

## FEATURES:

- Amps: 15 or 20; single or 3-phase
- Electrical Box: Heavy duty rubber outlet box in low contrast black
- Cord: 12 or 10 AWG 600 Volt SOOW cord
- Color coded receptacles for easy phase identification
- CSA/UL components
- Also available with weather-resistant duplex, single 1.39", single 1.56", GFCI, weather-resistant GFCI, and blank

Volts	Phase	Cord Length	Spacing	Receptacles	Output	Gauge	Conductor	Input NEMA	Model No.
125	Single	30'	10-10-10	(6) 5-20R	Dead End, Standard Depth	12	3	5-20P	PS6DD3-520-B12G-520D
125		30'	7-10-10-3	(6) 5-20R	Feed Through Extra Depth			5-20P	PS6DD3-520-B12G-520F
125/250		30'	15-15	(4) 5-20R	Dead End, Standard Depth		4	L14-20	PS6DD2-520-B12G-L1420D
125/250		60'	15-15-15-15	(8) 5-20R	Dead End, Standard Depth			L14-20	PS6DD4-520-B12M-L1420D
125/250		30'	12-15-3	(4) 5-20R	Feed Through Extra Depth			L14-20	PS6DD2-520-B12G-L1420F
125/250		60'	12-15-15-15-3	(8) 5-20R	Feed Through Extra Depth			L14-20	PS6DD4-520-B12M-L1420F
120/208	Three	30'	10-10-10	(6) 5-20R	Dead End, Standard Depth	10	5	L21-20	PS6DD3-520-B10G-L2120D
120/208		60'	10-10-10-10-10-10	(12) 5-20R	Dead End, Standard Depth			L21-20	PS6DD6-520-B10M-L2120D
120/208		30'	7-10-10-3	(6) 5-20R	Feed Through, Extra Depth			L21-20	PS6DD3-520-B10G-L2120F
120/208		60'	7-10-10-10-10-10-3	(12) 5-20R	Feed Through Extra Depth			L21-20	PS6DD6-520-B10M-L2120F

Additional configurations available. Please contact KH Industries for more information.

# Push Button Pendant Stations

**Safe, Reliable Operation for Controlling Cranes, Hoists or Industrial Machines**  
**Ergonomic Design for One Hand Operation. Durable Housing for Indoor or Outdoor Use.**

CPH Series, Model:  
CPH08-A4C-000A

CPH Series, Model:  
CPH06-A2C-000A

CPH Series, Model:  
CPH04-C1C-000A

CPH Series, Model:  
CPH04-A1D-000A

CPE Series, Model:  
CPE02-D00-000A

CPA Series, Model:  
CPA02-A4C-000A



## APPLICATIONS

Overhead Cranes & Hoists  
 Conveyor/Elevator Control  
 Assembly Lines  
 Workstations  
 Monorail Control

## FEATURES:

- High impact ABS enclosure
- Two piece design for easy wiring
- Shock and vibration resistant construction
- Hardware kit with legends and cord bushings included
- NEMA 4 indoor/outdoor, or NEMA 4X corrosive resistance for indoor or outdoor locations

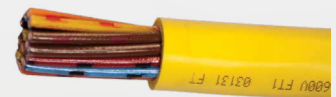
## OPTIONS:

- 2 to 8 button configurations
- One, two, or three speeds
- Various actions of maintained and momentary operation
- Pilot lights, horns and switches available
- Available pre-wired to pendant cord on 25 ft. and 50 ft. lengths

**KH Industries offers a variety of push button pendant configurations for commercial and industrial environments.**

		
CPA Series	CPE Series	CPH Series
For direct/reversible control of small, single phase motors at 1 HP max at 120 or 2 HP at 220 volts. <ul style="list-style-type: none"> <li>• NEMA 4X housing</li> <li>• Electrical rating 25A</li> <li>• Bushings accommodate .31 - .61 cord diameter</li> </ul>	Two button pistol grip style. 5A @ 125/240VAC, 2A @ 24VDC, 0.4A @ 120VDC <ul style="list-style-type: none"> <li>• NEMA 4 housing</li> <li>• Bushings accommodate .31 - .61 cord diameter</li> </ul>	Two to eight button pendant. 5A @ 125/240VAC, 2A @ 24VDC, 0.4A @ 120VDC <ul style="list-style-type: none"> <li>• NEMA 4X (IP65) housing</li> <li>• Double insulated to withstand 2500V</li> <li>• One, two or three speed</li> <li>• 5A switch contacts</li> <li>• Bushings accommodate .31 - .83 cord diameter</li> </ul>

## PENDANT CORD AVAILABLE



Above: CPCB Standard Pendant Cord.  
 Available in: 16 Awg/8, 12, 16, 24 Conductors



Above: CPCR Internal Strain Relief Pendant Cord.  
 Available in: 16 Awg/3, 5, 7 Conductors



Above: CPCS External Strain Relief Pendant Cord.  
 Available in: 16 Awg/8, 12, 16, 24 Conductors

Pendant cord is sold in pre-cut 25 ft. lengths, additional lengths available, as well as pre-wired pendant control boxes, contact KH Industries for details.

# Push Button Pendant Stations

No. Buttons	Speed	Switch Type	Standards	Cord Bushing	Color	Model No.				
2	Single	Buttons 1 and 2: Single Speed Momentary with Interlock	NEMA 4	.31-.61	Yellow	CPE02-C00-000A				
2	Two	Buttons 1 and 2: Two Speed Momentary with Interlock				CPE02-D00-000A				
2+Stop	Single	Buttons 1 and 2: Single Speed Momentary with Interlock and Emergency Stop				CPE03-E1C-000A				
2	Single	Buttons 1 and 2: Single Speed for Direct/Reversible Motor Control	NEMA 4X	.31-.41	Orange	CPA02-A4C-000A				
	Single	Buttons 1 and 2: Momentary On/Off				CPH02-A00-000A				
	Single	Buttons 1 and 2: Maintained On/Off			CPH02-B00-000A					
	Single	Buttons 1 and 2: Single Speed with Momentary with Interlock			CPH02-C02-000A					
	Two	Buttons 1 and 2: Two Speed Momentary with Interlock			CPH02-D00-000A					
4	Single	Buttons 1 and 2: Momentary On/Off; Buttons 3 and 4: Single Speed Momentary with Interlock			.31-.83	Yellow	CPH04-A1C-000A			
	Single	Buttons 1 and 2: Maintained On/Off; Buttons 3 and 4: Single Speed Momentary with Interlock					CPH04-B1C-000A			
	Two	Buttons 1 and 2: Maintained On/Off; Buttons 3 and 4: Two Speed Momentary with Interlock					CPH04-B1D-000A			
	Single	Buttons 1, 2, 3, 4: Single Speed Momentary with Interlock					CPH04-C1C-000A			
	Two	Buttons 1, 2 3, 4: Two Speed Momentary with Interlock					CPH04-D1D-000A			
6	Single	Buttons 1 and 2: Momentary On/Off; Buttons 3, 4, 5, 6: Single Speed Momentary with Interlock							CPH06-A2C-000A	
	Single	Buttons 1 and 2: Maintained On/Off; Buttons 3, 4, 5, 6: Single Speed Momentary with Interlock							CPH06-B2C-000A	
	Two	Buttons 1 and 2: Momentary On/Off, Buttons 3, 4, 5, 6: Two Speed Momentary with Interlock							CPH06-A2D-000A	
	Two	Buttons 1 and 2: Maintained On/Off, Buttons 3, 4, 5, 6: Two Speed Momentary with Interlock							CPH06-B2D-000A	
	Single	Buttons 1 - 6: Single Speed Momentary with Interlock		CPH06-C2C-000A						
	Two	Buttons 1 - 6: Two Speed Momentary with Interlock		CPH06-D2D-000A						
8	Single	Buttons 1 and 2: Momentary On/Off; Buttons 3 - 8: Single Speed Momentary with Interlock		CPH08-A3C-000A						
	Single	Buttons 1 and 2: Maintained On/Off; Buttons 3 - 8: Single Speed Momentary with Interlock		CPH08-B3C-000A						
	Two	Buttons 1 and 2: Momentary On/Off; Buttons 3 - 8: Two Speed Momentary with Interlock		CPH08-A3D-000A						
	Two	Buttons 1 and 2: Maintained On/Off; Buttons 3 - 8: Two Speed Momentary with Interlock		CPH08-B3D-000A						
	Single	Buttons 1 - 8: Single Speed Momentary with Interlock		CPH08-C3C-000A						
Pendant Control Cord - sold in 25 ft. sections, custom lengths available over 25 ft.										
Standard, 25', 16 AWG/8 Conductor									CPCB-16/8-25FT	
Standard, 25', 16 AWG/12 Conductor									CPCB-16/12-25FT	
Standard, 25', 16 AWG/16 Conductor									CPCB-16/16-25FT	
Standard, 25', 16 AWG/24 Conductor									CPCB-16/24-25FT	
Internal Strain Relief, 25', 16 AWG/3 Conductor									CPCR-16/3-25FT	
Internal Strain Relief, 25', 16 AWG/5 Conductor									CPCR-16/5-25FT	
Internal Strain Relief, 25', 16 AWG/7 Conductor									CPCR-16/7-25FT	
External Strain Reliefs, 25', 16 AWG/8 Conductor									CPCS-16/8-25FT	
External Strain Reliefs, 25', 16 AWG/12 Conductor							CPCS-16/12-25FT			
External Strain Reliefs, 25', 16 AWG/16 Conductor							CPCS-16/16-25FT			
External Strain Reliefs, 25', 16 AWG/24 Conductor							CPCS-16/24-25FT			



## C-Track Festoon Systems and Components

- For straight or mildly curved track
- Flat or round cord
- Trolley capacity: 40 lbs.
- C-Track systems are suitable for indoor and outdoor use
- C-Track systems operate at higher speeds over longer distances and at a heavier weight capacity than wire rope systems
- KH Industries offers several types of pre-engineered C-Track Festooning Kits and individual components to create customized systems

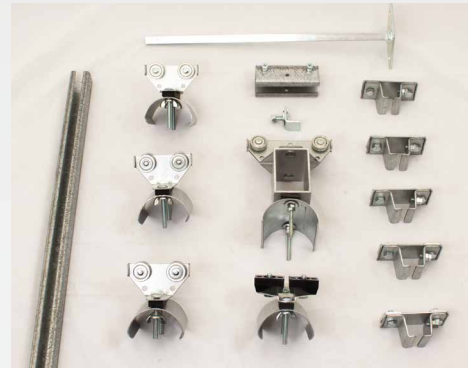
### APPLICATIONS

Factory Overhead Cranes  
Hoist Units  
Transport Systems  
Environmental Technology

## C-Track Festoon Systems Kits:



Track Kits include End Clamp, Splices, End Caps, Hangers, and C-Track.  
Quantities vary based on length of track.



Track Kits with Trolley Cars include End Clamp, Splices, End Caps, Tow Bar, Car Trolleys, Hangers, and C-Track.  
Quantities vary based on length of track.

## Cord Trolleys and Components:



Intermediate Car  
**FTCT-TCFL:** Flat Cord



Intermediate Car  
**FTCT-TCRL:** Lg. Round Cord  
**FTCT-TCRS:** Sm. Round Cord



Intermediate Car  
**FTCT-NTFL:** Flat Cord



End Clamp  
**FTCT-EDFL:** Flat Cord



Lead Car  
**FTCT-TTFL:** Flat Cord



Lead Car  
**FTCT-TTRL:** Lg. Round Cord



Lead Car  
**FTCT-TTRS:** Sm. Round Cord



End Clamp  
**FTCT-EDRL:** Lg. Round Cord  
**FTCT-EDRS:** Sm. Round Cord

# PowerTuff C-Track Festoon Systems

Overall Length (Ft.)	Storage (Ft.)	Festoon Track Kits, C-Track with Trolley Cars	Model No.
<b>Flat Cord Systems can accommodate flat cord up to 2.13" wide x 1.38" high</b>			
20	1.60'	C-Track festoon kit for 20' travel for flat cord system, includes: 1 End Clamp, 1 Splice, 2 End Caps, 1 Tow Bar, 5 trolleys, 5 Hangers, and C-Track	FTCT-FL-KIT20
40	2.65'	C-Track festoon kit for 40' travel for flat cord system, includes: 1 End Clamp, 3 Splices, 2 End Caps, 1 Tow Bar, 9 trolleys, 9 Hangers, and C-Track	FTCT-FL-KIT40
60	3.50'	C-Track festoon kit for 60' travel for flat cord system, includes: 1 End Clamp, 5 Splices, 2 End Caps, 1 Tow Bar, 12 trolleys, 13 Hangers, and C-Track	FTCT-FL-KIT60
80	4.50'	C-Track festoon kit for 80' travel for flat cord system, includes: 1 End Clamp, 7 Splices, 2 End Caps, 1 Tow Bar, 16 trolleys, 17 Hangers, and C-Track	FTCT-FL-KIT80
100	5.50'	C-Track festoon kit for 100' travel for flat cord system, includes: 1 End Clamp, 9 Splices, 2 End Caps, 1 Tow Bar, 20 trolleys, 21 Hangers, and C-Track	FTCT-FL-KIT100
<b>Large Round Systems can accommodate large round cord .66" to 1.00"</b>			
20	1.60'	C-Track festoon kit for 20' travel for large round cord, includes: 1 End Clamp, 1 Splice, 2 End Caps, 1 Tow Bar, 5 trolleys, 5 Hangers, and C-Track	FTCT-RL-KIT20
40	2.65'	C-Track festoon kit for 40' travel for large round cord, includes: 1 End Clamp, 3 Splices, 2 End Caps, 1 Tow Bar, 9 trolleys, 9 Hangers, and C-Track	FTCT-RL-KIT40
60	3.50'	C-Track festoon kit for 60' travel for large round cord, includes: 1 End Clamp, 5 Splices, 2 End Caps, 1 Tow Bar, 12 trolleys, 13 Hangers, and C-Track	FTCT-RL-KIT60
80	4.50'	C-Track festoon kit for 80' travel for large round Cord, includes: 1 End Clamp, 7 Splices, 2 End Caps, 1 Tow Bar, 16 trolleys, 17 Hangers, and C-Track	FTCT-RL-KIT80
100	5.50'	C-Track festoon kit for 100' travel for large round cord, includes: 1 End Clamp, 9 Splices, 2 End Caps, 1 Tow Bar, 20 trolleys, 21 Hangers, and C-Track	FTCT-RL-KIT100
<b>Small Round Systems can accommodate small round cord .39" to .65"</b>			
20	1.60'	C-Track festoon kit for 20' travel for small round cord, includes: 1 End Clamp, 1 Splice, 2 End Caps, 1 Tow Bar, 5 trolleys, 5 Hangers, and C-Track	FTCT-RS-KIT20
40	2.65'	C-Track festoon kit for 40' travel for small round cord, includes: 1 End Clamp, 3 Splices, 2 End Caps, 1 Tow Bar, 9 trolleys, 9 Hangers, and C-Track	FTCT-RS-KIT40
60	3.50'	C-Track festoon kit for 60' travel for small round cord, includes: 1 End Clamp, 5 Splices, 2 End Caps, 1 Tow Bar, 12 trolleys, 13 Hangers, and C-Track	FTCT-RS-KIT60
80	4.50'	C-Track festoon kit for 80' travel for small round cord, includes: 1 End Clamp, 7 Splices, 2 End Caps, 1 Tow Bar, 16 trolleys, 17 Hangers, and C-Track	FTCT-RS-KIT80
100	5.50'	C-Track festoon kit for 100' travel for small round cord, includes: 1 End Clamp, 9 Splices, 2 End Caps, 1 Tow Bar, 20 trolleys, 21 Hangers, and C-Track	FTCT-RS-KIT100
<b>C-Track Festoon Systems only, (no trolley cars)</b>			
20	1.60'	C-Track festooning system only, (no trolleys) for 20' track, includes: 1 End Clamp, 1 Splice, 2 End Caps, 5 Hangers, and C-Track	FTCT-TK-KIT20
40	2.65'	C-Track festooning system only, (no trolleys) for 40' track, includes: 1 End Clamp, 3 Splices, 2 End Caps, 9 Hangers and C-Track	FTCT-TK-KIT40
60	3.50'	C-Track festooning system only, (no trolleys) for 60' track, includes: 1 End Clamp, 5 Splices, 2 End Caps, 13 Hangers and C-Track	FTCT-TK-KIT60
80	4.50'	C-Track festooning system only, (no trolleys) for 80' track, includes: 1 End Clamp, 7 Splices, 2 End Caps, 17 Hangers and C-Track	FTCT-TK-KIT80
100	5.50'	C-Track festooning system only, (no trolleys) for 100' track, includes: 1 End Clamp, 9 Splices, 2 End Caps, 21 Hangers and C-Track	FTCT-TK-KIT100
<b>Additional Kits and Flat Festoon cord are available, please inquire</b>			

## Pre-Engineered Indoor/Outdoor Festooning Kit



For horizontal travel  
Flat or round cord  
Trolley Capacity: 13 lbs.

- Support electric cords that provide power and/or control to hoises and other moving equipment
- KH's pre-engineered Stretch Wire Festoon Systems includes all essential components to get started
- For light energy supply systems with 1 to 3 cords. For applications which do not allow the installation of C-Rails

### APPLICATIONS

Suitable for indoor and outdoor use, including:

Manufacturing  
Shipping and Receiving  
Packaging/Material Handling  
Agricultural  
Milling

## Cord Trolleys for Existing Systems:

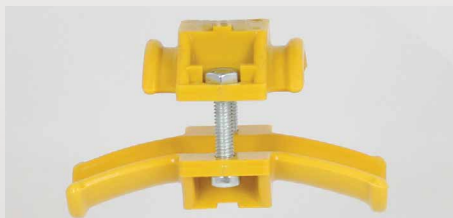
**FTSW-TCFL:**  
Intermediate  
car to use with  
flat cord



**FTSW-TCRS/  
FTSW-TCRL:**  
Intermediate  
car to use with  
round Cord



**FTSW-EDRS/FTSW-EDRL:** End clamp to  
use with round cord



**FTSW-EDFL:** End clamp to use  
with flat cord



**FTSW-HW-KIT:** Festoon Hardware Kit



# PowerTuff Stretch Wire Festoon Systems

Overall Length (Ft.)	Storage Length (Ft.)	Components	Model No.
<b>Flat Cord Systems: can accommodate 2.13" wide x 1.38" high</b>			
20	1.25	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 3 Trolleys, and Nylon Covered Wire Rope	FTSW-FL-KIT20
40	2.50	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 6 Trolleys, and Nylon Covered Wire Rope	FTSW-FL-KIT40
60	3.75	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 9 Trolleys, and Nylon Covered Wire Rope	FTSW-FL-KIT60
80	5.50	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 13 Trolleys, and Nylon Covered Wire Rope	FTSW-FL-KIT80
<b>Small Round Cord Systems: can accommodate .39" to .65"</b>			
20	1.25	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 3 Trolleys, and Nylon Covered Wire Rope	FTSW-RS-KIT20
40	2.50	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 6 Trolleys, and Nylon Covered Wire Rope	FTSW-RS-KIT40
60	3.75	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 9 Trolleys, and Nylon Covered Wire Rope	FTSW-RS-KIT60
80	5.50	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 13 Trolleys, and Nylon Covered Wire Rope	FTSW-RS-KIT80
<b>Large Round Cord Systems: can accommodate .66" to 1.00"</b>			
20	1.25	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 3 Trolleys, and Nylon Covered Wire Rope	FTSW-RL-KIT20
40	2.50	2 End Clamp, 2 Eyebolts, 4 Wire Rope Clips, 6 Trolleys, and Nylon Covered Wire Rope	FTSW-RL-KIT40
60	3.75	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 9 Trolleys, and Nylon Covered Wire Rope	FTSW-RL-KIT60
80	5.50	2 End Clamps, 2 Eyebolts, 4 Wire Rope Clips, 13 Trolleys, and Nylon Covered Wire Rope	FTSW-RL-KIT80
<b>Additional or Replacement Parts</b>			
Intermediate Car, Flat Cord			FTSW-TCFL
Intermediate Car, Sm. Round Cord			FTSW-TCRS
Intermediate Car, Lg. Round Cord			FTSW-TCRL
End Clamp, Flat Cord			FTSW-EDFL
End Clamp, Sm. Round Cord			FTSW-EDRS
End Clamp, Lg. Round Cord			FTSW-EDRL
Hardware Kit			FTSW-HW-KIT



**1. TERMS AND CONDITIONS OF CONTRACT.** Except where otherwise provided in a written agreement duly executed by an authorized signatory of K & H Industries, Inc. ("KH"), all goods and services supplied by KH pursuant to the Confirmation of Order overleaf and these terms and conditions (the "Goods") are provided subject to the details set out in the said Confirmation of Order and to the terms and conditions set forth herein. KH's ACCEPTANCE OF AN ORDER IS EXPRESSLY CONDITIONED UPON BUYER'S ASSENT TO THESE TERMS AND CONDITIONS, AND BUYER'S ACCEPTANCE OF GOODS HEREUNDER SHALL BE DEEMED AN ACCEPTANCE OF THESE TERMS AND CONDITIONS. KH specifically rejects any terms and conditions in Buyer's order or in any other document from Buyer that in any way conflict with, reduce or affect these terms and conditions.

**2. PRICES.** Unless otherwise agreed in writing, all prices are quoted F.O.B. at KH's premises in Hamburg, New York, USA. All price quotes by KH will remain valid for thirty (30) days. Thereafter, prices are subject to change without notice to Buyer. Typographic, clerical and manifest errors in any offer are subject to correction by KH at any time. The minimum billing per order is \$100 plus freight charges, orders that do not meet this minimum will be subject to a \$25 service charge.

**3. PAYMENT TERMS.** Payment for all Goods shall be made in U.S. funds and prior to shipment (either by cash, banker's draft, cashier's check, check drawn on good funds, telegraphic transfer or approved credit card) or, at the sole discretion of KH, C.O.D., unless Buyer has applied for and been granted a line of credit by KH, in which case purchases can be made up to approved credit limits with payment therefore due net 30 days. Late payments shall be charged interest at the rate of 1.5% per month. KH is entitled hereunder to delay shipment until payment monies have cleared (e.g. check has become final; credit card charge has been authorized). Credit terms are subject to change or withdrawal at any time at KH's sole discretion, regardless of prior credit arrangements. KH reserves the right to require current financial information from any buyer with an open account as a condition of the continued extension of credit. Buyer shall promptly reimburse KH in respect of KH's costs, including reasonable attorneys' fees, incurred in the collection of any monies owed to KH by Buyer. For orders invoiced or shipped outside the United States, KH will require a confirmed, irrevocable letter of credit, payable at sight in United States funds, advised and payable on an acceptable US bank. Buyer shall be solely responsible for procuring any and all necessary export, import and/or other permits. Buyer's order shall constitute a representation that Buyer is solvent, and KH is relying upon such representation. If KH at any time reasonably believes that the Buyer is insolvent or that the Buyer's credit is impaired, Buyer shall be in material breach thereof and hereof and KH may, without liability to Buyer, withhold performance hereunder, change the payment terms and/or repossess Goods delivered.

**4. ADDITIONAL COSTS & TAXES.** All prices and quotations are exclusive of sales, use, excise, duty, VAT and all similar taxes and levies. All such charges shall be for the account of Buyer and, if not included in an original invoice, may be invoiced or added to Buyer's credit card payment, if any, by KH at a later date.

**5. CHANGES; CANCELLATION OF ORDER.** If Buyer cancels or changes the order, or any part thereof, for any reason, Buyer agrees to pay cancellation charges for all costs incurred by KH due to such cancellation, including without limitation, costs incurred by KH in the design, development or manufacture of special, custom-made or custom-designed Goods, or Goods altered at the request of Buyer [plus related profit, as reasonably determined by KH.] The costs shall include commitments made by KH to third parties for labor or materials for use in completing such order. KH's determination of cancellation charges shall be final and conclusive.

**6. SHIPPING.** Title in Goods and risk of loss or damage thereto shall pass to Buyer upon delivery thereof by KH to the carrier at FOB point. Goods shall be shipped in accordance with the information set out in the Confirmation of Order overleaf. Unless instructed otherwise by Buyer, KH may ship by any reasonable manner and routing. All shipping costs shall be for the account of Buyer. All shipments shall be insured for their full replacement value and all such insurance shall be for the account of Buyer. All orders are subject to KH's current shipping and handling charges. KH shall not be liable or otherwise responsible for defaults or delays in delivery by carrier. Shipping dates set out on the Confirmation of Order are approximations only, subject to, inter alia, factory schedules and inventory. If any shipment of Goods is delayed due to any act or omission of Buyer, KH may charge Buyer reasonable storage fees in relation thereto, including without limitation, storage costs, insurance costs and cost of money. Unless otherwise agreed by KH in writing, KH, in its sole discretion, may make partial shipments of any order, for which pro rata payments shall be due and payable as indicated on the invoice issued pursuant thereto. KH reserves the right not to ship to Buyer if Buyer's account is overdue.

**7. ACCEPTANCE OF GOODS.** Buyer acknowledges that it has a duty to inspect Goods immediately upon receipt. Goods will be deemed accepted by Buyer unless notice of lawful rejection has been delivered in writing to KH within ten (10) business days after receipt thereof. Any notice of shortage must be delivered in writing to KH within three (3) business days after receipt thereof by Buyer. Any notice of damage to Goods must be delivered in writing to KH and the relevant carrier within three (3) business days after receipt thereof by Buyer.

Authorization from KH must be received by Buyer in writing prior to the return of any Goods by Buyer hereunder, and Buyer shall be solely responsible for adequate packing and pre-payment of freight with respect thereto. For the avoidance of doubt, KH shall not be obligated to accept any unauthorized return of Goods, any Goods inadequately packed or Goods for which freight has not been fully pre-paid by Buyer.

**8. RETURNED GOODS.** KH may, at its sole option, agree to accept unused and merchantable Goods from Buyer, subject always to a re-stocking charge of 20%. Buyer agrees that it shall not return any Goods prior to receiving written authorization from KH so to do. Any and all returned Goods shall be shipped freight pre-paid and risk of damage or loss shall remain vested in Buyer until the relevant Goods are received, inspected and accepted by KH. For the avoidance of doubt, KH is not obligated to accept any returned Goods pursuant to this paragraph. Custom manufactured Goods are non-cancelable/non-returnable.

**9. RE-CONDITION & REPAIR.** Before shipping any Goods to KH for repair, Buyer shall contact KH for Return Merchandise Authorization (RMA) and shipping instructions. With respect to any repairs by KH, Buyer shall be solely responsible for payment of freight charges, replacement parts, and labor costs at KH's then current prices. Any repairs to any of the Goods performed by Buyer or by third parties [pre-approved by KH] shall be carried out in strict accordance with the appliCord repair manual(s), if any, published by KH from time to time.

### 10. LIMITED WARRANTY; EXCLUSION OF OTHER WARRANTIES; LIMITATION OF REMEDIES; INDEMNITY.

KH warrants the Goods to be free from defects of materials or workmanship, under normal and proper use and service, for a warranty period of one (1) year from the date of shipment (as such date is shown in KH's records)(the "Warranty Period"). If any of the Goods proves to be defective in any material respect within the Warranty Period, such defective Good(s) shall be promptly returned to KH, F.O.B. KH's factory, shipping charges prepaid, by the Buyer, and if the same is determined by KH to be defective in any material respect and covered by the terms of the warranty provisions set forth in this Section 10, it will be replaced or repaired, at the exclusive election of KH, free of charge. If Buyer believes any of the Goods are defective in any material respect during the Warranty Period, Buyer shall immediately cease using such Good(s) and notify KH in writing of such non-conformity or defect, specifying in reasonable detail the nature thereof.

Notwithstanding the foregoing, KH is not responsible for, and shall have no obligation to replace or repair any Goods which: (i) have been used, operated and/or installed other than in strict accordance with KH's written instructions and/or policies, if any; (ii) have been installed, operated or used in an improper, abnormal or inappropriate manner, as reasonably determined by KH; (iii) have been damaged due to the negligence of another party; (iv) have been damaged due to an accident, natural disaster, extreme weather, or other act of God; (v) have been serviced, repaired or altered by anyone other than KH or a third party approved by KH to service or repair the defective or damaged Goods, and provided further, that all such service, repair and alterations by approved third parties must be completed in accordance with the appliCord repair manual(s) for the defected or damaged Good, if any; or (vi) have been used in a manner or for a purpose for which the Goods were not designed.

No warranty is made with respect to any defects in the Goods due to plans or instructions supplied to KH by or for Buyer. THE LIMITED WARRANTY SET FORTH IN THIS SECTION 10 IS MADE AND ACCEPTED BY BUYER IN LIEU OF ALL OTHER WARRANTIES WITH RESPECT TO THE GOODS, WHETHER EXPRESS OR IMPLIED, MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. THE LIMITED WARRANTY SET FORTH IN THIS SECTION 10 IS BUYER'S SOLE AND EXCLUSIVE REMEDY FOR ANY DEFECTS OR DAMAGE TO THE GOODS, AND ALL OTHER REMEDIES ARE EXPRESSLY DISCLAIMED.

TO THE MAXIMUM EXTENT PERMITTED BY LAW, KH IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION OF THE GOODS, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE; LOSS OF ACTUAL OR ANTICIPATED PROFITS (INCLUDING LOSS OF PROFITS ON CONTRACTS); LOSS OF THE USE OF MONEY; LOSS OF ANTICIPATED SAVINGS; LOSS OF BUSINESS; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; OR LOSS OF REPUTATION.

Buyer acknowledges that the Goods may be used in inherently dangerous activities and, accordingly, expressly bears the risk of injury damages and other harm to Buyer, and its employees, contractors, representatives, and other third parties arising out of use of the Goods in such inherently dangerous activity(ies). Buyer agrees to indemnify and hold KH harmless from and against any claims, awards, damages or other costs incurred by KH, including reasonable attorneys' fees incurred by KH in connection with same, arising out of the use of any Good(s) in inherently dangerous activities.

While KH uses reasonable endeavors to ensure the accuracy and quality of its publications, sales literature and other printed materials, from time to time errors might occur in that regard. KH therefore does not guarantee the accuracy or completeness of any publication or other

informational materials.

**11. INTELLECTUAL PROPERTY.** The purchase by Buyer of any Goods hereunder does not grant to, convey or confer upon Buyer or Buyer's customers, or upon anyone claiming under Buyer, a license or any other legal interest, express or implied, under any patent right, trademark, copyright or other intellectual property right, whether registered or not and whether pending or not, in any jurisdiction, of KH covering or relating to any of the Goods or any combination or process in which any of the Goods might be or are used.

Buyer understands and agrees that KH does not warrant that the Goods are free of claims of patent, trademark, trade secret or copyright infringement by a third party. KH hereby disclaims any such warranties or indemnification for such infringement(s) or intellectual property rights.

Any rights not expressly granted herein are reserved by KH.

**12. FORCE MAJEURE.** KH shall not be liable for any failure to perform under the Confirmation of Order or these terms and conditions if it is unable to obtain parts or supplies at reasonable prices or through usual and regular sources on a timely basis, or due to any interruption of transportation, government regulation, labor disputes, strikes, riots, war, civil commotion, fire, flood, accident, storm, or act of God, or other cause beyond KH's reasonable control that renders it impractical for KH to perform.

**13. ARBITRATION.** Buyer agrees that the laws of the State of New York, without regard to principles of conflict of laws, shall govern the agreement between KH and Buyer with respect to all sales of Goods, and any dispute of any sort that may arise in connection with these terms and conditions and the sale of Goods to Buyer by KH (a "Dispute"). All Disputes shall be submitted to final and binding arbitration, the proceedings of which shall be located in Buffalo, New York, and conducted in accordance with the Commercial Arbitration Rules of the American Arbitration Association (the "Rules") by one arbitrator appointed in accordance with the Rules. Notwithstanding the foregoing, Buyer acknowledges that KH may, in its sole discretion, elect to commence an action in a court of competent jurisdiction located in Buffalo, New York (without resorting to commencing arbitration proceedings as specified above) to enforce Buyer's failure to timely pay any and all amounts due to KH for the purchase of Goods (a "Financial Default"). In connection with the foregoing, in the event KH elects to commence an action against Buyer in connection with a Financial Default, Buyer specifically acknowledges and irrevocably consents to the jurisdiction of a court of competent jurisdiction located in Buffalo, New York, waives objection to the laying of venue of any such action or other legal proceeding in Buffalo, New York, waives personal service of process in such action, and consents to the making of service of process in each such action by registered mail, directed by KH to the last known address of Buyer showing in the records for KH, service to be deemed complete five (5) days after the mailing thereof.

Other than a Financial Default (in which case KH may, in its discretion, elect to commence a lawsuit against Buyer in a court of competent jurisdiction located in Buffalo, New York), all Disputes shall be resolved exclusively by arbitration. Any award made by the arbitrator shall be final, binding and conclusive on the parties for all purposes. Any fees or charges of the arbitration and any cost of arbitration, including the cost of personal attorneys of each participant, shall be the sole responsibility of each party to the arbitration; provided, however, in the event of a Financial Default, KH may recover all costs and expenses incurred by it (including its attorney fees) in seeking payment or enforcement of these Terms and Conditions as a result of the Financial Default, including whether KH commences an action or initiates arbitration proceedings.

**14. GENERAL.** This agreement will be governed by and construed in accordance with the laws of the State of New York. The application of the United Nations Convention for the International Sale of Goods, if it would otherwise apply, is hereby expressly excluded. These terms and conditions and the Confirmation of Order overleaf set out the entire agreement between KH and Buyer relating to the Goods and supersede any prior agreement, arrangement, purchase order, correspondence, communication, advertising or representation concerning the Goods. This agreement may not be modified or amended except by a written instrument duly executed by authorized signatories of the parties. If any provision of this agreement is held to be invalid or unenforceable, that provision is to be given effect to the maximum extent permissible and the remaining provisions of this agreement will remain in full force and effect. Notices hereunder shall be delivered in writing by registered mail to the addresses of the parties overleaf, or as notified to the other party from time to time. If any term, provision, or covenant of these terms and conditions is held to be invalid void, or unenforceable, the remainder of these terms and conditions shall remain in full force and effect and shall in no way be affected, impaired or invalidated. Each shipment of Goods shall be considered a separate transaction between Buyer and KH. In the event of any default by Buyer, KH may decline to make further shipments. If KH elects to continue to make shipments of Goods subsequently ordered by Buyer after a default, such subsequent shipments shall not constitute a waiver of default by KH or in any way affect its legal remedies for any such default.

## 55 Years of Providing Powerful Solutions

KH Industries specializes in providing solutions. Our experienced team of power and lighting specialists will work with you to understand your application, environment, and unique needs and then make a recommendation based on your budget and timeline.



### OUTDOOR ENGINE BLOCK HEATER STATIONS

**Client Need:** Keep a large, Northeast Utility's fleets' truck engines warm with engine block heaters.

**KH Industries' Solution:** We recommended our RTF cord reels which are rated NEMA 4X for indoor, outdoor use in corrosive locations. We then engineered a solution with four cord reels per stand with each providing 25 Amps of power with 10/3 SOOW cord.



### OUTDOOR SOLAR CARPORT EV CHARGING STATIONS

**Client Need:** Provide a large Long Island campus outdoor power for their solar carports.

**KH Industries' Solution:** Requiring a NEMA 4 rated, outdoor use reel, we suggested our RTB cord reels and positioned four reels within the charging area for 4 Toyota Hybrid Prius'. Reels used 14/3 SOOW cord to produce 15 Amps and 110 Volt output.



### LED PORTABLE AND TEMPORARY WIDE AREA LIGHTING SYSTEMS

**Client Need:** Provide low amperage, high lumen output within an aircraft fuselage during maintenance, repair, and overhaul (MRO) work.

**KH Industries' Solution:** We utilized our LED Quad Light for this project. With the LEDs low amperage draw, up to 20 Quad Lights can be daisy chained together for an extremely bright and energy efficient continuous light source. LED bulbs have no mercury, no RF interference, and no UV radiation, making them an ideal environmentally-friendly solution.



## Custom Solution Specialists

- We have over 55 years of experience designing, manufacturing and executing custom, turnkey solutions for our customers.
- Our technical sales team will work with you to determine what products are suited for your application, environment, and unique needs.
- Experienced team of power and lighting specialists will assist you with the configuration that works with your budget and timeline.

**Contact us so we can help you today!**