



# NightRay<sup>®</sup> 2 SPOTLIGHT VEHICLE MOUNTED SPOTLIGHT SYSTEM

**INTRODUCING THE TWINRAY™ CONTROLLER**  
INDEPENDENTLY CONTROL TWO NIGHTRAY SPOTLIGHTS WITH ONE CONTROLLER.

NIGHTRAY 2 SPOTLIGHT SYSTEM					LEGACY NIGHTRAY
Light Package, Includes (1) NightRay Spotlight	Wireless TwinRay	Hardwired TwinRay	Wireless & Hardwired	(2) Wireless TwinRays	Dash Mount Control Panel*
<b>750,000-cp Total Output.</b> Includes: One 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 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	NR-955-20
Light Package, Includes (2) NightRay Spotlights	Wireless TwinRay	Hardwired TwinRay	Wireless & Hardwired	(2) Wireless TwinRays	Dash Mount Control Panel*
<b>1,500,000-cp Total Output.</b> Includes: Two 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 H3 Spotlights with 360k-cp each and the TwinRay wireless controller, 12V	NR4S-1H130-WD	N/A	NR4S-1H130-DD	NR4S-1H130-MD	N/A
<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	N/A	NR4C-1C100-DD	NR4C-1C100-MD	N/A
<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	N/A	NR3C-1C100-DD	NR3C-1C100-MD	N/A

Customized NightRay packages are available with two different bulb configurations, contact K&H Industries for pricing and model numbers.  
\*includes 20' wiring harness

ACCESSORIES	MODEL #
Additional Wireless TwinRay Controller	NR2C-W
Hardwired TwinRay Controller w/20' cable, dash-mount Cat 5 connector & 6' coiled cord	NR2C-H
Replacement 50 HID Bulb	KH201-535
Replacement Par 46 H3 Bulb	KH200-261
Replacement Par 46 Dual Filament Bulb	KH200-059
Replacement Par 36 Dual Filament Bulb	KH200-134

All NightRay Spotlights are available in 24 VDC, to order change part number from XXXX-1XXXX-XX to XXXX-2XXXX-XX. Custom configuration is available, call KH Industries for more information.



### APPLICATIONS:

NIGHTTIME INSPECTION, MAINTENANCE & REPAIR:  
UTILITY INDUSTRY  
MILITARY/DOD  
CRANES/CONSTRUCTION  
FIRE/RESCUE  
MARINE

### FEATURES:

FULL LAMPHEAD ROTATION: 370° OF MOTION ON HORIZONTAL AXIS AND 350° VERTICAL TILT  
NEWLY DESIGNED BASE & CLUTCH HOLD UP TO HEAVY VIBRATION IN ROUGH TERRAIN  
EXCLUSIVE OPEN YOKE DESIGN AND CLUTCH ALLOWS FOR TROUBLE FREE OPERATION IN SNOW, ICE, AND SALT WATER.  
VARIOUS LAMP OPTIONS AVAILABLE FOR PRECISE NIGHTTIME TROUBLE SHOOTING AND WIDE-AREA ILLUMINATION  
NEW TWINRAY WIRELESS CONTROLLER WILL CONTROL UP TO TWO NIGHTRAY'S FROM OVER 100'  
FIVE YEAR LIMITED WARRANTY\*\*  
MADE IN USA

\* See KH Industries Terms and Conditions for complete warranty details.

## KH'S EXCLUSIVE TWINRAY CONTROLLER: THE POWER IS IN YOUR HANDS

Ergonomically-designed, the TwinRay controller independently operates one or two NightRay Spotlights. When operating two NightRay Spotlights, KH's exclusive TwinRay wireless controller's A/B switch provides the added functionality of independently positioning each light to where you need it. Create a wide area beam pattern by positioning both lights towards the same area or create multi-directional lighting on either side of the vehicle.

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

Designed specifically to meet the daily rigors of the utility industry, the NightRay 2 Spotlight System has been redesigned and 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.



NIGHTRAY SPOTLIGHTS ARE AVAILABLE FROM KH INDUSTRIES  
FOR MORE INFORMATION: CALL 716-312-0088 OR VISIT: WWW.KHINDUSTRIES.COM



**KH INDUSTRIES**  
PROVIDING POWERFUL SOLUTIONS FOR OVER 60 YEARS



# INTRODUCING THE *TWINRAY™* CONTROLLER

INDEPENDENTLY CONTROL TWO NIGHTRAY SPOTLIGHTS WITH ONE CONTROLLER.

EASY IN FIELD PROGRAMMING WHEN ADDING A NIGHTRAY SPOTLIGHT.

WIRELESS CONTROL FROM UP TO 100' AWAY.



BRIGHT, SAFETY YELLOW COLOR IS EASY-TO-FIND.

ERGONOMICAL DESIGN, LARGE BUTTONS FOR EASY GLOVED-HAND USE.

DURABLE, MADE FROM POLYCARB/ABS BLEND TO PREVENT BREAKAGE.

WEATHER RESISTANT HOUSING WITH SEALED BUTTONS.

CLEAR, NOISE-FREE COMMUNICATION.

**MULTI DIRECTIONAL LIGHTING AT ANY ANGLE.**

**CONTROLS ONE OR TWO NIGHTRAY SPOTLIGHTS.**

**TOGGLE BETWEEN LIGHTS TO CUSTOMIZE A BEAM PATTERN TO MATCH YOUR JOBSITE.**



GREEN OR RED INDICATOR LIGHTS DISPLAY WHICH LIGHT IS SELECTED.

EMERGENCY LED FLASHLIGHT

TOGGLES CONTROL BETWEEN TWO NIGHTRAYS.

SWITCH BETWEEN SPOT AND FLOOD LIGHT FUNCTION FOR DUAL-FILAMENT NIGHTRAY MODELS.

URNS OFF LIGHT(S)

STANDARD AAA BATTERY OPERATION

HANG OR CLIP CONTROLLER

ACTUAL SIZE: 8" X 2.75"

FOR MORE INFORMATION: CALL 716-312-0088 OR VISIT: [WWW.KHINDUSTRIES.COM](http://WWW.KHINDUSTRIES.COM)

# NightRay®2 SPOTLIGHT



DURABLE POLYCARBONATE EXTERIOR RESISTS BREAKAGE AND IS SNOW, ICE, UV, AND SALT WATER RESISTANT.

NEWLY DESIGNED BASE AND GEARED-CLUTCH PROVIDE POSITIVE TENSION AND RESIST DAMAGE FROM HEAVY VIBRATIONS.

FULL LAMPHEAD ROTATION: 370° OF MOTION ON HORIZONTAL AXIS AND 350° VERTICAL TILT.

OPEN YOLK DESIGN ALLOWS FOR TROUBLE-FREE OPERATION IN SNOW AND ICE.

RECEIVER BOARD INCLUDED IN NEW NIGHTRAY 2 MODELS FOR EASY WIRELESS PROGRAMING.

ELECTRICAL OPERATION: 12 VDC STANDARD; 24 VDC AVAILABLE.

**5 YEAR LIMITED WARRANTY\***

## THE *TWINRAY™* CONTROLLER

WEATHER RESISTANT HOUSING WITH SEALED BUTTONS  
DURABLE DESIGN, MADE FROM POLYCARBONATE/ABS BLEND TO PREVENT BREAKAGE  
ERGONOMICALLY DESIGNED FOR EASY GLOVED-HAND OPERATION



### WIRELESS *TWINRAY™* CONTROLLER:

KH'S PROPRIETARY SELECTIVE SIGNAL PROCESSING PROVIDES THE TECHNOLOGY FOR THIS STATE-OF-THE-ART NIGHTRAY 2 WIRELESS SPOTLIGHT SYSTEM. CLEAR AND CONSISTENT NOISE FREE COMMUNICATION IS PROVIDED BY KH'S EXCLUSIVE MULTIPLE R.F. CODE SEQUENCING WITH POSITIVE IDENTIFICATION; THIS ELIMINATES FALSE SIGNALS FROM OTHER R.F. TRANSMITTERS AND ENVIRONMENTAL NOISE.

- WILL CONTROL NIGHTRAY FROM OVER 100' AWAY
- EASY IN FIELD PROGRAMMING WHEN ADDING A NIGHTRAY SPOTLIGHT
- WIRELESS *TWINRAY* REMOTES FEATURE A CONVENIENT LED FLASHLIGHT
- FCC AND INDUSTRY CANADA APPROVED FOR 433.92MHZ.
- STANDARD AAA BATTERY OPERATION
- ONE WIRELESS *TWINRAY* CONTROLLER CAN INDEPENDENTLY OPERATE UP TO TWO NIGHTRAY SPOTLIGHTS.
- EACH NIGHTRAY SPOTLIGHT CAN BE CONTROLLED BY UP TO SIX WIRELESS *TWINRAY* REMOTES.
- HARDWIRED JOYSTICK EASILY ADDED, P/N: NR2C-W



### HARDWIRED *TWINRAY™* CONTROLLER:

EASY PLUG & PLAY INSTALLATION: INCLUDED 20' CAT 5 CABLE, DASH MOUNTED JACK, AND 6' CURLY CORD CABLE  
ONE HARDWIRED CONTROLLER CAN OPERATE ONE NIGHTRAY SPOTLIGHT  
WIRELESS *TWINRAY* CONTROLLER IS EASILY ADDED TO ANY NIGHTRAY 2 SPOTLIGHT, P/N: NR2C-W



### DASH MOUNT CONTROL PANEL AVAILABLE ON LEGACY NIGHTRAYS

INCLUDES 20' WIRING HARNESS AND DASH MOUNTED CONTROL PANEL  
\*DOES NOT INCLUDE RECEIVER BOARD PRE-INSTALLED IN UNIT

FOR MORE INFORMATION: CALL 716-312-0088 OR VISIT: [WWW.KHINDUSTRIES.COM](http://WWW.KHINDUSTRIES.COM)