



NOVA[®]

2014



Since 1979, Nova has played a key role in the evolution of emergency vehicle warning lights, having made significant innovations throughout its history resulting in products that are mainstream today.

Nova was the first manufacturer to produce a silent strobe power supply and the first to use microprocessor technology in strobe power supplies, a practice that is the market expectation today. More recently Nova has led the way in moving the industry away from strobes to LED warning lights, designing several products including the legendary Hide-A-LED™ concealed warning LED and the compact yet extremely powerful SD24 and XSL Series lights.

Building on this tradition, this catalog introduces five new LED products. The self-adhesive Hide-A-LED™ Bullet is the first concealed warning light to require only a single ½" hole for installation and be specifically designed to fit easily in highly compact double walled light casings, while the V Series Hide-A-LED™ is waterproof and offers the option of both surface or concealed mounting. New Stick-A-LED™ self-adhesive LEDs offer three shape options as well as quick and easy peel-and-stick installation. In the 360° warning category, we are pleased to introduce new LED beacons and minibars, available in both permanent and vacuum-magnet mounting options.

Now a division of ECCO Group and located in Boise, Idaho, the Nova Team continues to provide exceptional products backed by exceptional customer service to emergency and commercial vehicle markets worldwide.



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symbol guide

V	Volts
W	Watts
A	Amps
J	Joules
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	Approvals
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WARRANTY SYMBOLS	
	Lightbar
	Electrical components
	Strobe
	Flashtube
MISCELLANEOUS SYMBOLS	
x 2	Flash rate (double flash)
x 4	Flash rate (quad flash)
	High intensity (daytime)
	Low intensity (nighttime)

MOUNTING SYMBOLS	
	1" pop-in (Hide-A-LED™)
	1" flange (Hide-A-LED™)
	1 bolt
	2 bolt
	3 bolt
	4 bolt
	6 bolt
	Vacuum-Magnet
	Suction Cup
	Self-Adhesive
	Round grommet (4")
	Oval grommet (6")
	Rectangular grommet (3"x5")
	PAR36
	1" threaded pipe

The above symbols are used in product information charts throughout this catalog.

Hide-A-LED™, Bull LED™, Stick-A-LED™, VigiLED II™, Streetlazer™ and LEDiSector™ are trademarks of Electronic Controls Company, Boise ID

AMP™ is a trademark of Tyco Electronics Corporation, Berwyn PA

Deutsch™ is a trademark of Deutsch Group, New York NY

Weather Pack™ is a trademark of Delphi Corporation, Troy MI

Hide-A-LED™

Concealed Warning LEDs

Head or tail light applications

Six 1-watt LEDs per head (V Series)

Four 1-watt LEDs per head (W600 / P600)

16 flash patterns (see page 20)

Synchronization capable

9' cable, in-line waterproof driver module



	#	HEADS	V	A	L			
V Series <p>CE, R10 In-headlight or surface mountable</p>	VA	1	12-24	0.6	200		2 years	
	VB		12-24	1.25	100			
	VR		12-24	0.6	200			
	VW		12-24	1.25	460			
W600 <p>CE, R10</p>	W6A	1	12	0.35	160		5 years	
	W6B		12-24	0.1	155			
	W6G		12-24	0.1	200			
	W6R		12	0.35	123			
	W6W		12-24	0.1	660			
W600-Deuce <p>CE, R10</p>	DW6AA	2	12-24	1.0	160		5 years	
	DW6BB		12-24	1.0	155			
	DW6RR		12-24	1.0	123			
	DW6WW		12-24	1.0	660			
P600 <p>CE, R10</p>	WP6A	1	12	0.35	160		5 years	
	WP6B		12-24	1.0	155			
	WP6G		12-24	1.0	200			
	WP6R		12	0.35	123			
	WP6W		12-24	1.0	660			
P600-Deuce <p>CE, R10</p>	DWPAA	2	12-24	1.0	160		5 years	
	DWPBB		12-24	1.0	155			
	DWPRR		12-24	1.0	123			
	DWPWW		12-24	1.0	660			



Hide-A-LED™
Concealed Warning LEDs

Head or tail light applications



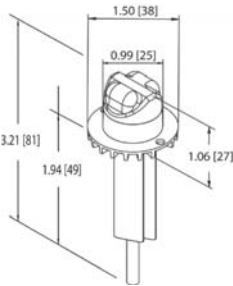


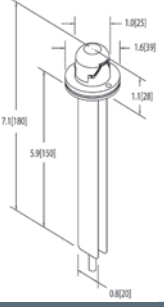


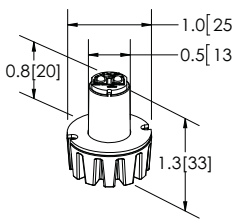


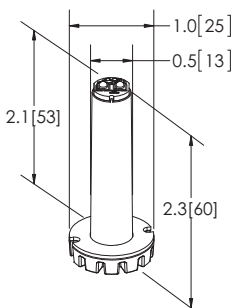


Six 1-watt LEDs per head (Z1000 / X1100)

Two 3-watt LEDs per head (ND0010 / 11)

16 flash patterns (see page 20)

Synchronization capable

9' cable, in-line waterproof driver module

	#	HEADS	V	A	L				
	Z1A	1	12-24	1.25	358		5 years		* Z1000
	Z1B				240				
	Z1R				358				
	Z1W				1100				
	X1A	1	12-24	1.3	358		5 years		* X1100
	X1B				240				
	X1R				358				
	X1W				1100				
	ND0010A	1	12-24	0.5	200		3 years		ND0010
	ND0010B			0.8	100				
	ND0010R			0.7	200				
	ND0010W			0.9	460				
	ND0011A	1	12-24	0.5	200		3 years		ND0011
	ND0011B			0.8	100				
	ND0011R			0.7	200				
	ND0011W			0.9	460				

* Additional LED and head color combinations available, including split color models.



SAE Class I - Surface Mount



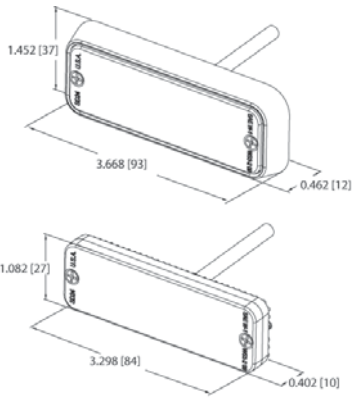
- Highly versatile LED with range of accessory brackets
- Three 1-watt LEDs
- 16 flash patterns (see page 20)
- Synchronization capable
- Urethane-sealed electronics
- Luminaire™ - dimmable work light option



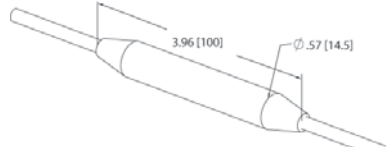
	#	V	A	L	✂	✓	🕒	
	B1A	12	0.35	120			5 years	
	B1B			70				SAE J595/845 Class I, California Title 13
	B1G			-				SAE J595/845 Class I
	B1P			92				-
	B1R			120				SAE J595/845 Class I, California Title 13
	B1W			300				SAE J595/845 Class II
<p>Luminaire™ dimmable worklamp</p>	BL1A	12	0.35	120			5 years	
	BL1B			70				-
	BL1G			92				-
	BL1R			120				-
	BL1W			300				-

Accessories
mounting

B1HBRKT	B1LBRKT-B	B2PSBRKT-B	B1ZBRKT	B2DSBRKT-B
B2LBRKT-B	B1BOX	B1BK	B1CH	



Compact high intensity LED
 24 1/2-watt LEDs
 16 flash patterns (see page 20)
 Synchronization capable
 9' cable, in-line waterproof driver module



SD24

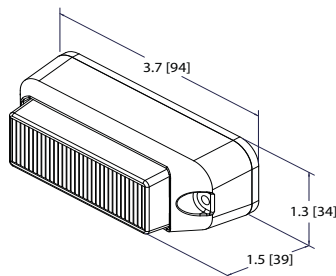
SAE Class I
 Surface Mount

#	V	A	L	⚙️	⌚	🕒
SD24A	12	0.75	336		SAE J595 Class I, Cal. Title 13, CE, R10	5 years
SD24B			120			
SD24R			360			
SD24W			528			



Accessories
 mounting

SD24LBRKT	SD24ZBRKT	SD24BEZ	SD24CH
		Included	



11 flash patterns (see page 21)
 Encapsulated electronics extend
 product life



ND0005

Surface Mount

#	V	A	⚙️	⌚	🕒
ND0005A	12	0.3		CE, R10, IP67	1 year
ND0005B					
ND0005G					
ND0005R					
ND0005W					



Accessories
 mounting

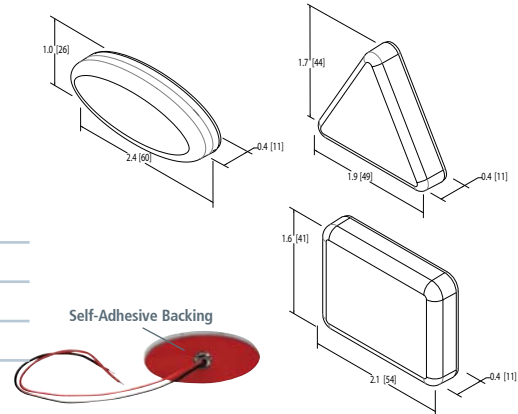
A3730BKT	A3730TNK	A3730DCK	A3730WIN	A3730LIC

Stick-A-LED™

Self-Adhesive Mount



- Quad flash
- Three or six LEDs
- Self-adhesive peel and stick backing
- Single hole installation
- Tough polycarbonate base and lens



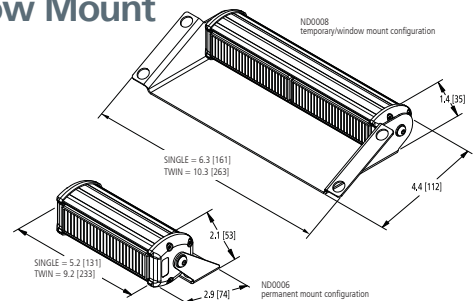
	#	TYPE	V	A	L			
	ND0002A	Oval	12-24	0.6	120		CE, R10	1 year
	ND0002B			0.45	45			
	ND0002R			0.45	120			
	ND0002W			0.7	180			
	ND0003A	Triangle	12-24	0.6	120		CE, R10	1 year
	ND0003B			0.45	45			
	ND0003R			0.45	120			
	ND0003W			0.7	180			
	ND0004A	Rectangle	12-24	0.75	240		CE, R10	1 year
	ND0004B			0.9	90			
	ND0004R			0.8	240			
	ND0004W			0.9	360			

ND0006 & ND0008

SAE Class I - Single or Twin Grille/Deck/Dash/Window Mount



- 14 flash patterns (see page 21)
- Synchronization capable
- Includes temporary and permanent mounting hardware
- Cigarette plug adapter with on/off and flash pattern switches
- Encapsulated electronics extend product life

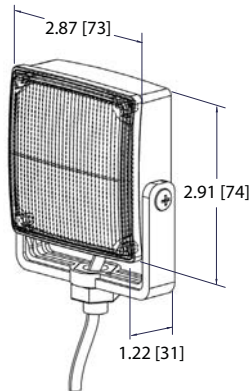


	#	TYPE	V	A			
	ND0006A	Single	12-24	0.55		SAE J595 Class I, California Title 13, CE, R10	3 years
	ND0006B						
	ND0006R						
	ND0006W						
	* ND0008A	Twin	12-24	1.0		SAE J595 Class I, California Title 13, CE, R10	3 years
	ND0008B						
	ND0008R						
	ND0008W						

* Mixed color options available

VigiLED II™

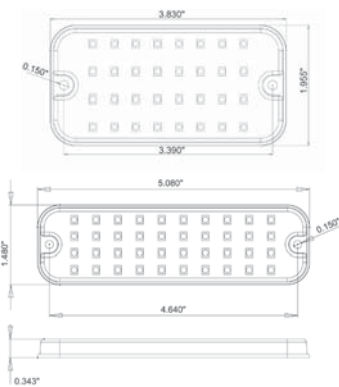
SAE Class I - Surface/Bracket Mount



- Surface or bracket mount (through bolt wiring)
- Four 1-watt LEDs
- 24 flash patterns (see page 20)
- Synchronization capable
- Die-cast aluminum housing



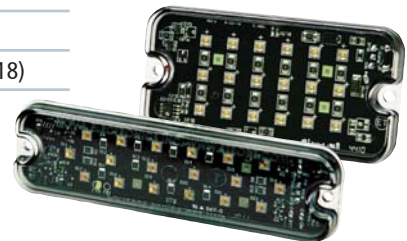
#	V	A	L	⚙️	⌚		
ND0001A	12-24	0.7	180				
ND0001B			68				SAE J595 Class I, R65, CE, R10, IP67
ND0001C			340				R65, CE, R10, IP67
ND0001G			180				CE, R10, IP67
ND0001R			180				



XSL

Surface Mount

- Extremely thin LED
- 18 1/2-watt LEDs
- 16 flash patterns (see page 20)
- Can be used with LED Flasher (see page 18)
- Optional chrome or black bezel



#	V	A	L	⚙️	⌚	
XSLMINIA	12	0.5	300			
XSLMINIB			100			
XSLMINIR			375			
XSLMINIW			475			
XSLULTRAA	12	0.5	300			
XSLULTRAB			100			
XSLULTRAR			375			
XSLULTRAW			475			

Accessories

mounting

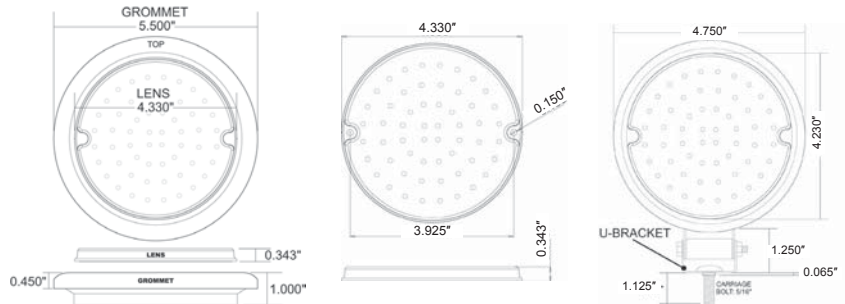
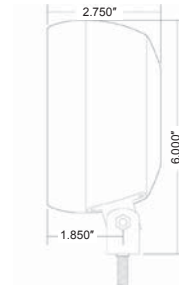
SLMINIBK	SLMINICH	SLULTRABK	SLULTRACH

56 Series

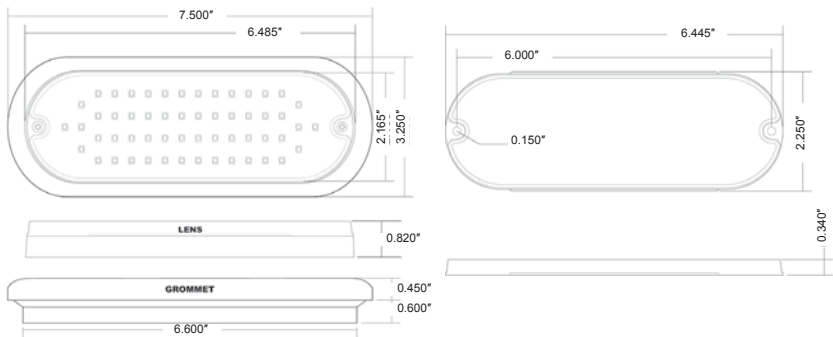
Surface/Grommet Mount



- Extremely thin LED
- Surface, grommet (supplied) or PAR36 mount
- 56 1/8-watt LEDs
- 15 flash patterns (see page 21)
- Can be used with LED Flasher (see page 18)

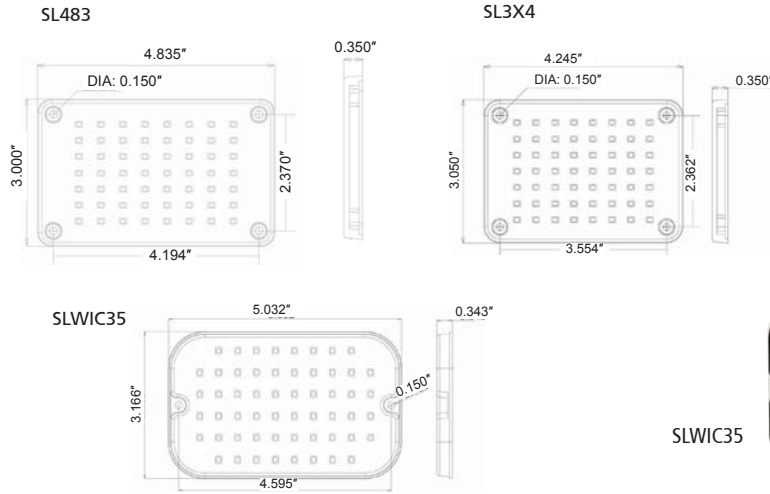


#	V	A	L		
SLWIC3RND A	12	0.8	162		2 years
SLWIC3RND R					
LEDWIC3RND A	12	0.8	162		2 years
LEDWIC3RND R					
PLPAR36RUB A	12	0.8	162		2 years
PLPAR36RUB R					

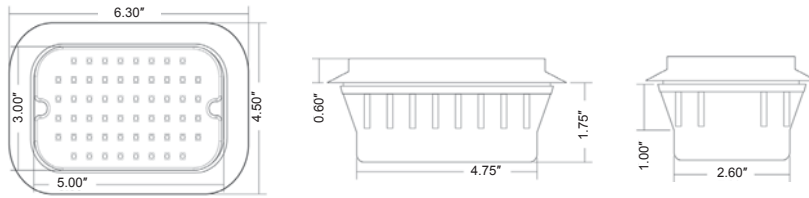


#	V	A	L		
SLWIC3A	12	0.8	162		2 years
SLWIC3R					
LEDWIC3A	12	0.8	162		2 years
LEDWIC3R					

56 Series Surface/Grommet Mount



#	V	A	L		
SL3X4A	12	0.8	162		2 years
SL3X4R					
SL483A	12	0.8	162		2 years
SL483R					
SLWIC35A	12	0.8	162		2 years
SLWIC35R					



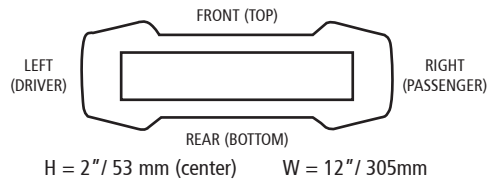
#	V	A	L		
LEDWIC35A	12	0.8	162		2 years
LEDWIC35R					

Accessories mounting

SL3X4BK	SL3X4CH	SL483BK	SL483CH	SMTBOX

Use with SLWIC3

10 Series *StreetLazer*[®] LED Lightbar



Alternating or simultaneous flash (quad)

Roof hugging design


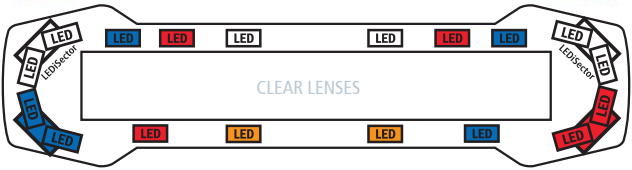



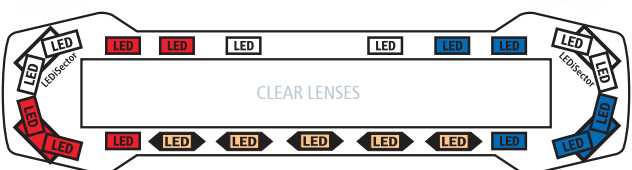


LEDiSector™ intersection / alley / take-down light

Integrated LED Traffic Director (10-00478) with touchpad control

For roof mount kits see page 20

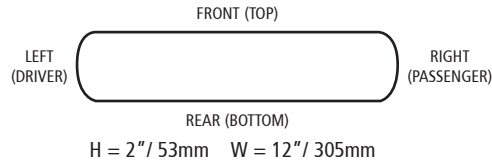


Illuminated rubber key touch-pad provides fingertip control of built-in Traffic Director (included with Traffic Boss™ models).

47" / 1.2m	#	V	A	FPM x 4	⌚
 	10-00470-N	12	11	80	 2 years  5 years
 	10-00478-N	12	12.5	80	 2 years  5 years



StreetLazer® 15 Series LED Lightbar



Alternating or simultaneous flash (quad)

2" height profile

Front alternating take-down lights

Alley lights

Integrated LED Traffic Director (15-001136/1137) with touchpad control



Illuminated rubber key touch-pad provides fingertip control of built-in Traffic Director (included with Traffic Boss™ models).

For roof mount kits see page 20

#	V	A	FPM ⚡ x 4	⌚	49" / 1.24m
15-01134-N	12	11	80	2 years 5 years	
15-01135-N	12	11	80	2 years 5 years	
15-01136-N	12	11	80	2 years 5 years	
15-01137-N	12	11	80	2 years 5 years	

NM0002

SAE Class II LED Minibar

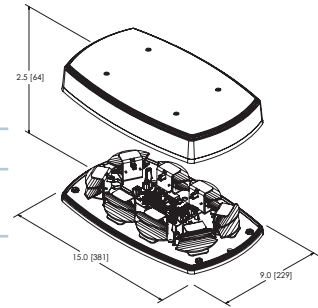


Eight LED reflector modules, each comprised of three LEDs

Choice of 18 flash patterns (see page 21)

Cigarette plug with on/off and flash pattern selection switches (vacuum-magnet only)

Polycarbonate base and low profile lens



#	V	A	⚙️	⚙️	🕒
 NM0002A	12-24	3.5	⚡	SAE J845 Class II, CE, R10	3 years
 NM0002A-VM			🔌		
 NM0002CA	12-24	3.5	⚡	SAE J845 Class II, CE, R10	3 years
 NM0002CA-VM			🔌		

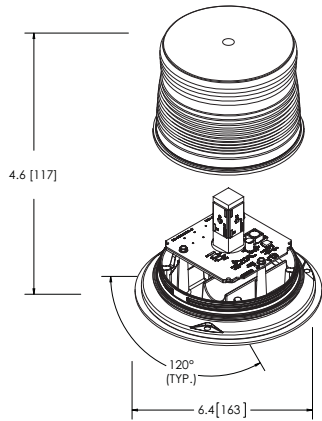
Replacement Parts

NR0002A	NR0002C	lenses
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NB0001

SAE Class I LED Beacon



Four 3-watt LEDs
 Pulse8 (8 flashes per cycle) flash pattern
 Aluminum base, polycarbonate lens



#	V	A	FPM x 8				
NB0001A							
NB0001B							
NB0001C	12	2.4	75		SAE J845 Class I	2 years	
NB0001G							
NB0001R							
NB0001A-VM							
NB0001B-VM							
NB0001C-VM	12	2.4	75		SAE J845 Class I	2 years	
NB0001G-VM							
NB0001R-VM							

Accessories & Replacement Parts



branch guards
NB4BG

lenses



LENSNB4A

LENSNB4B

LENSNB4C

LENSNB4G


LENSNB4R

Preemption Traffic Signal Strobes




Power Supply Requires directional strobe head(s) to operate High priority only
 Low power control (for operating single preemption head) Operates up to four standard or preemption heads

	#	V	A	J	🕒
	XPAK604PE	12-24	5.5	52	5 years

Dash Mount High or low priority emitter Includes hook and loop, bail and windshield brackets and flashback shield
 Latching mode (door open/parking brake)

	#	V	A	🕒
	MDASHCPE	12	1.35	2 years

Surface / Lightbar Mount For installation inside a lightbar High or low priority emitter
 Latching mode (door open/parking brake)

	#	V	A	🕒
	MDPEMODULE	12	1.35	2 years
Tube only 	LMTUBE	-	-	6 months
Tube and lightbar mount Fits StreetLazer™ lightbars 	LMTUBE LB	-	-	

Strobe Power Supplies




15 flash patterns (see page 21)

Hi/Lo intensity

Input/output LED diagnostic indicators
(excludes XPAK754/904 & SUPERPAK756/906)EZPANEL switch compatible – order separately
(excludes XPAK754/904 & SUPERPAK756/906)

AMP™ connectors

X PAK
MICROPAK
SUPERPAK

#	OUTLETS	W	V	A	J	⌚	
XPAK604X	4	60	12-24	5.5	52	5 years	
XPAK754		75		7.0	64		
XPAK904		90		8.5	80		
MICROPAK404X	4	40	12-24	3.75	34	5 years	
MICROPAK504X		50		4.5	40		
SUPERPAK606X	6	60	12-24	5.5	52	5 years	
SUPERPAK756		75		7.0	64		
SUPERPAK906		90		8.5	74		


15 flash patterns (see page 21)

Hi/Lo intensity

Urethane-encapsulated electronics

Deutsch™ connectors

Waterproof
SUPERPAK

#	OUTLETS	W	V	A	J	⌚	
SUPERPAK606WP	6	60	12-24	5.5	52	2 years	

Choice of 2, 4 or 6 outputs


12 flash patterns (see page 21)

Urethane-encapsulated electronics

AMP™ connectors

Recommended switch - SWITCHEPSX

EPS Extreme


#	OUTLETS	W	V	A	J	⌚	
EPSX402	2	40	12-24	3.75	34	2 years	
EPSX404	4						
EPSX406	6						

Quad flash (70FPM)

Urethane-encapsulated electronics

AMP™ connector

QUICKSTROBE

#	OUTLETS	W	V	A	J	⌚	
QUICKSTROBE	1	12	12-24	1.2	11	2 years	


Hide-A-Flash Strobe Systems

Select systems available with pop-in (EZ Hide) flashtubes.

EPS Extreme

PSU specifications (see page 15)
Recommended switch - SWITCHEPSX


Includes (4) clear flange mount hideaway flashtubes and (4) 15' cables

	#	HEADS	W	V	A	PSU
	SYS-N4	4	40	12-24	3.75	EPSX404

MICROPAK

PSU specifications (see page 15)
EZPANEL switch compatible


Includes (4) clear flange mount hideaway flashtubes and (4) 15' cables

	#	HEADS	W	V	A	PSU
	SYS-M4	4	40	12-24	3.75	MICROPAK404X

X-PAK

PSU specifications (see page 15)
EZPANEL switch compatible - SYS-X4 only


Includes (4) clear flange mount hideaway flashtubes and (4) 15' cables

	#	HEADS	W	V	A	PSU
	SYS-X4	4	60	12-24	5.5	XPAK604X
	SYS-X754		75		7.0	XPAK754
	SYS-X904		90		8.5	XPAK904

SUPERPAK

PSU specifications (see page 15)
Expandable up to six heads
EZPANEL switch compatible - SYS-S4 only

Includes (4) clear flange mount hideaway flashtubes and (4) 15' cables

	#	HEADS	W	V	A	PSU
	SYS-S4	4	60	12-24	5.5	SUPERPAK606X
	SYS-S754		75		7.0	SUPERPAK754
	SYS-S904		90		8.5	SUPERPAK906

Remote Strobe Heads / Tubes / Cables

Strobe Heads

#	W		CONNECTOR		
WIC3A	30 (max)		3.5" pigtail AMP™ connector	6 months	
WIC3R					
WIC3RNDA	30 (max)		3.5" pigtail AMP™ connector	6 months	
WIC3RNDR					
WIC35A	30 (max)		3.5" pigtail AMP™ connector	6 months	
LINEARMTA	30 (max)		Compact size fits most applications 15' cable AMP™ connector	6 months	
LINEARMTB					
LINEARMTC					
LINEARMTP					
LINEARMTR					

Accessories & Replacement Parts

LMTUBE	LMSHIELD	RLLENS_ (solid) / RLLENS_ (split)	LMBRKTCUP

Head or tail light applications

32-watts max

Flange or pop-in mount (1" dia. hole)

Six month warranty

Hide-A-Flash / EZ Hide

AMP™ #	Deutsch™ #	Weather Pack™ #
HIDE-A-FLASH - Flange mount		
HAF A	HAF A D	HAF A W
HAF B	HAF B D	HAF B W
HAF C	HAF C D	HAF C W
HAF R	HAF R D	HAF R W
HAF V	HAF V D	HAF V W
EZ HIDE - Pop-in		
EZHIDE A	EZHIDE A D	EZHIDE A W
EZHIDE B	EZHIDE B D	EZHIDE B W
EZHIDE C	EZHIDE C D	EZHIDE C W
EZHIDE R	EZHIDE R D	EZHIDE R W
EZHIDE V	EZHIDE V D	EZHIDE V W

Strobe Cables

#	DESCRIPTION
LD_	3 conductor, 18AWG, shielded strobe cable - available in AMP™, Weather Pack™ and Deutsch™ connectors
6LD_	6 conductor, 18AWG, shielded strobe cable
HD_	3 conductor, heavy duty, 18AWG strobe cable - available in AMP™, Weather Pack™ and Deutsch™ connectors

(_) represents cable lengths: With connectors; 10', 15', 20', 25', 30', 35', 40', 50' Bulk roll; 100', 200', 500', 1000'

Self-Contained Strobes

Sealed beam, rubber housing

Surface mount option (requires mounting kit)

15' cable, AMP™ connector

Linear36	#	W	DESCRIPTION		
	LIN36A	32 (max)	Replacement sealed beam unit. Can be surface mounted with accessory bezel kit.		1 year
	LIN36B				
	LIN36C				
	LIN36R				
	LIN36RUBA		Strobe head mounted in PAR36 rubber housing with 15' cable.		
	LIN36RUBB				
	LIN36RUBC				
LIN36RUBR					

Accessories
mounting

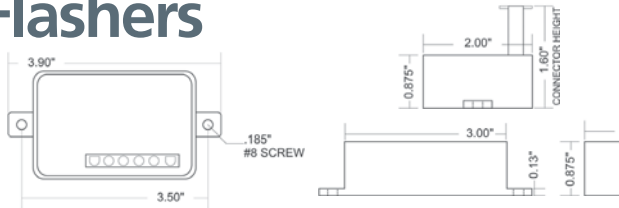


LIN36KFITBK



LIN36KFITCH

Flashers



LED HEADS PER OUTPUT	12	20
LED HEAD CURRENT DRAW	0.8A	0.5A
TOTAL CURRENT PER OUTPUT	9.6A	10A
PRODUCTS	LEDWIC3, LEWIC3RND, LEDWIC35, SLWIC3, SLWIC3RND, SLWIC35	XSLMINI, XSLULTRA

Requires 56 Series or XSL LEDs to operate

12 flash patterns (see page 21)

Hardwired or connector models

LED	#	V	A	TYPE	
	LEDFLASHER1	12	20	connector	5 years
	LEDFLASHER1W			wired	

Requires halogen bulbs to operate (not supplied)

7 flash patterns (see page 20)

Hardwired or connector models

Universal Halogen	#	V	A	TYPE	
	UNIVERSALFLASHER1	12	10	connector	1 year
	UNIVERSALFLASHER1W			wired	

Utilizes vehicle headlights to operate

Auto night-time cutoff (hardwired only)

Hardwired or connector models

High beam cutoff



Halogen Headlight	#	V	A	TYPE	FPS	
	FLASH1	12	13	connector	1.9	1 year
	FLASH1W			wired		
	FLASH2			connector	1.9 triple	
	FLASH3			connector	3.0 triple	

Switches

Compatible with XPAK604X,
MICROPAK404X, MICROPAK504X
& SUPERPAK606X







Diagnostic LED indicators
14' cable, plug and play modular connectors

EZ Switch Panel

#	Package Contents	⌚
 <p>EZPANEL1</p>	<ul style="list-style-type: none"> - Switch panel - Mounting screws - Pre-assembled 14' modular cable 	2 years

Rocker Switch Panels

Select switches are available with and without a pre-wired 15-foot harness

SWITCH1	SWITCH2WH	SWITCH3	SWITCH6	SWITCHEPSX	SWITCHPSEL
 <p>General purpose</p>	 <p>X-PAK, MICROPAK</p>	 <p>X-PAK, MICROPAK</p>	 <p>SUPERPAK</p>	 <p>EPS Extreme</p>	 <p>Momentary flash pattern switch (LEDs only)</p>

Lighting Components

Bulbs & Tubes

#	DESCRIPTION
TLW3X	Twist-lock replacement strobe tube for WIC-3 OVAL
TLW3RX	Replacement strobe tube for WIC-3 ROUND
UNIVERSAL	Universal 8 pin octal base tube
NBTUBE	Tube for NB Beacon
R6501FT	Tube for 360 Minibar

Halogen Lamps

#	DESCRIPTION
BI-PIN	
1A27W	27W, 12V, Bi-pin halogen lamp
1A35W	35W, 12V, Bi-pin halogen lamp
1A50W	50W, 12V, Bi-pin halogen lamp
POP-LOCK	
POPLOCK12V20W	12V, 20W
POPLOCK12V27W	12V, 27W
POPLOCK12V35W	12V, 35W
POPLOCK12V50W	12V, 50W

Pop-lock halogen lamp





Lightbar Mounting Kits *StreetLazer*

#	DESCRIPTION	#	DESCRIPTION
10 Series Strap Mounting Kits		15 Series Strap Mounting Kits	
A1010RMK	Ford Truck 1/2T 2004-2009	A1016RMK	Ford Truck 1/2T 2004-2009
A1011RMK	Dodge Truck 1/2-1T 2002-2009 & GM Truck 1/2-1T 1999-2009	A1017RMK	Dodge Truck 1/2-1T 2002-2009 & GM Truck 1/2-1T 1999-2009
A1012RMK	Ford Truck 3/4-1T 1999-2009	A1018RMK	Ford Truck 3/4-1T 1999-2009
A1013RMK	Ford Crown Victoria 1998-2012	A1019RMK	Ford Crown Victoria 1998-2012
A1014RMK	Ford Truck 1/2T Crew Cab 1997	A1020RMK	Ford Truck 1/2T Crew Cab 1997
A1025RMK	Ford Truck 1/2T 2010-2014	A1022RMK	Ford Truck 1/2T 2010-2014
A1026RMK	Ford Super Duty Truck 2010-2014	A1023RMK	Ford Super Duty Truck 2010-2014
A1027RMK	GM Truck 1/2-1T 2010-2014	A1024RMK	GM Truck 1/2-1T 2010-2014
A1029RMK	Dodge Charger 2009-2010	A1028RMK	Dodge Charger 2009-2010
A1031RMK	Dodge Charger 2011-2014, Ford PPV/SUV 2012-2014 & Chevy Caprice 2012-2014	A1030RMK	Dodge Charger 2011-2014, Ford PPV/SUV 2012-2014 & Chevy Caprice 2012-2014
A1032RMK	Universal Headache Rack Mounting Bracket	A1032RMK	Universal Headache Rack Mounting Bracket

Flash Patterns

Hide-A-LED™ / Hide-A-LED™ Bullet / Bull LED™ / SD24 / XSL pages 2, 3, 4, 5 & 7
 All products sync with each other.

#	PATTERN	DESCRIPTION	#	PATTERN	DESCRIPTION
1	Quad Flash	75 Quad FPM	9	Cycle	Cycle through patterns 1-7
2	Double Flash	75 Double FPM	10	Double - Triple + Burst	2 Double, 2 Triple + Burst cycle
3	Triple Flash	92 Triple FPM	11	Cycle Classic	1 Double, 1 Quad, 2 Mega cycle
4	DeciBlast	85 Deci FPM	12	Quad - Mega	3 Quad, 4 Mega cycle
5	Single Flash	75 Single FPM	13	Single - Quad	2 Single, 2 Quad cycle
6	Mega Flash	114 Single FPM	14	DeciBlast - Quad	2 DeciBlast, Quad cycle
7	Triple + Burst	85 Triple + Burst FPM	15	Single - Triple - DeciBlast	2 Single, 2 Triple 2 DeciBlast cycle
8	Steady Burn	Always On	16	Mega - Triple + Burst	1 Mega, 1 Triple + Burst cycle

VigiLED II™ page 7

#	PATTERN	DESCRIPTION	#	PATTERN	DESCRIPTION
1	Quint Flash Alt	125 Quint FPM, Top & Bottom LEDs Alternate	13	Quad-Squad Flash Alt	5 Cycles Quad, 5 Cycles Single (Alternating)
2	Quint Flash 1	125 Quint FPM Simultaneous (Phase 1)	14	Quad-Squad Flash	2 Cycles Quad, 4 Cycles Single (Simultaneous)
3	Quint Flash 2	125 Quint FPM Simultaneous (Phase 2)	15	Modulation Flash Alt	Single Slow-to-Fast-to-Slow (Alternating)
4	Quad Flash Alt	125 Quad FPM, Top & Bottom LEDs Alternate	16	Modulation Flash	Single Slow-to-Fast-to-Slow (Simultaneous)
5	Quad Flash 1	125 Quad FPM Simultaneous (Phase 1)	17	Quad-Squad Scan	Single Slow-to-Fast then Quad (Simultaneous)
6	Quad Flash 2	125 Quad FPM Simultaneous (Phase 2)	18	Steady Burn / Single Escalating	Bottom LEDs on, Top LEDs Single Slow-to-Fast
7	Single Flash Slow Alt	75 Single FPM, Top & Bottom LEDs Alternate	19	Steady Burn / Single	Bottom LEDs on, Top LEDs Single Slow
8	Single Flash Slow 1	75 Single FPM Simultaneous (Phase 1)	20	Steady Burn	Always On
9	Single Flash Slow 2	75 Single FPM Simultaneous Phase 2)	21	Cycle Flash	Cycle through patterns
10	Single Flash Fast Alt	375 Single FPM, Top & Bottom LEDs Alternate	22	Single Flash Medium 1	120 Single FPM Simultaneous (Phase 1)
11	Single Flash Fast 1	375 Single FPM Simultaneous (Phase 1)	23	Single Flash Medium 1	120 Single FPM Simultaneous (Phase 2)
12	Single Flash Fast 2	375 Single FPM Simultaneous (Phase 2)	24	Off	Always Off

Universal Flasher page 18

#	PATTERN	RATE	NOVA	SOUND OFF/GALLS	#	PATTERN	RATE	NOVA	SOUND OFF/GALLS
1	Alternating "Wig-Wag"	1.9 FPS	FLASH-1	Road Runner/Traffic Runner	5	Triple Flash	4.0 FPS	FLASH-2	none/none
2	Alternating "Wig-Wag"	2.4 FPS	none	Flash Back/Traffic Backer	6	Cycle Flash	1.9/3.6 FPS	none	Q-Switch/Multi-Pattern Flasher
3	Alternating "Wig-Wag"	3.0 FPS	FLASH-3	Power Pulse/Traffic Flasher	7	Twin Flash	1.9 FPS	none	none/none
4	Alternating "Wig-Wag"	3.6 FPS	none	ETM/none					

#	PATTERN	DESCRIPTION	#	PATTERN	DESCRIPTION
1	Quad Flash	75 Quad FPM	10	Double Flash Alt	150 Double FPM Side to Side
2	Double Flash	75 Double FPM	11	Double Flash Diagonal Alt	150 Double FPM Diagonal
3	Fast Double	130 Double FPM	12	Quint Hold Diagonal Alt	150 Quint FPM Side to Side (Hold)
4	Slow Quad	65 Quad FPM	13	Quint Hold Diagonal Alt	150 Quint FPM Diagonal (Hold)
5	Slow Double	65 Double FPM	14	Fast Rotate	120 RPM
6	Quint Hold	75 Quint FPM (Hold)	15	Rotate / Quad	150 RPM / 75 Quad FPM
7	Pulse8	75 Oct FPM	16	Wave Rotate	70 RPM
8	Quad Flash Alt	150 Quad FPM Side to Side	17	Cycle Flash	Cycle through patterns
9	Quad Flash Diagonal Alt	150 Quad FPM Diagonal	18	Steady Burn	Always on

XPAK / MICROPAK / SUPERPAK page 15

#	PATTERN	DESCRIPTION
1	Quad Flash	4 flash bursts alternating. 140 quad FPM
2	Quintuple Flash	5 flash bursts alternating. 140 quintuple FPM
3	Mega Flash	1 flash burst alternating. 700 FPM
4	Double Flash	2 flash bursts alternating. 125 double FPM
5	Single Flash	1 flash burst alternating. 200 single FPM
6	Twin Single Flash	2 single flash bursts before alternating 120 twin single FPM
7	Twin Double Flash	2 double flash bursts before alternating 100 twin double FPM
8	Triple Flash	3 flash bursts alternating. 140 triple FPM
9	Twin Triple Flash	2 triple flash bursts before alternating 70 twin triple FPM
10	Twin Mega Flash	2 mega flash bursts before alternating 350 twin mega FPM
11	Triple Mega Bang	3 flashes alternating then one single flash, 76 FPM
12	Warble	6 single flashes alternating at 450 FPM 6 single flashes alternating at 860 FPM
13	Phased Mega Flash	1 flash burst alternating Flash rate varies from 360 FPM to 860 FPM
14	Single-Quad	Single flash - quad flash combination pattern
15	Cycle Flash	2 warble flashes. 2 quad flashes 2 mega flashes in a continuous cycle

EPS Extreme page 15

#	PATTERN	DESCRIPTION
1	Random Level 5	Randomly selects from all patterns and runs each pattern 5 times
2	Single Flash	Single flash alternating. 200 FPM
3	Double Flash	2 flash bursts alternating. 125 double FPM
4	Triple Flash	3 flash bursts alternating. 140 triple FPM
5	Quad Flash	4 flash bursts alternating. 140 quad FPM
6	Quintuple Flash	5 flash bursts alternating 140 quintuple FPM
7	Mega Flash	Single flash alternating. 700 FPM
8	Phased Mega Flash	Flash rate varies from 360 FPM to 860 FPM
9	Warble	6 single flashes at 450 FPM 6 single flashes at 860 FPM
10	Single-Double	Single flash, double flash combination
11	Single-Quad	Single flash, quad flash combination
12	Cycle Flash	Classic EPS cycle flash Cycles through double-quad-mega

ND0005 page 5

#	PATTERN	DESCRIPTION
1	Steady Burn	Always On
2	Slow Single	60 Single FPM
3	Fast Single	120 Single FPM
4	Double Flash	75 Double FPM
5	Fast Double	132 Double FPM
6	Triple Flash	75 Triple FPM
7	Quad	75 Quad FPM
8	Quint Hold	75 Quint FPM (Hold)
9	Pulse8	75 Oct FPM
10	Constant Pule8	1465 Oct FPM
11	Cycle Flash	Cycle Through Patterns

56 Series pages 8 & 9

#	PATTERN	DESCRIPTION
1	Random Level 4	Randomly selects from patterns 5-12 and runs each pattern 4 times
2	Steady on	Turns both outputs on, no flashing
3	Random Level 10	Randomly selects from patterns 5-15 and runs each pattern 10 times
4	Flasher	Wig-wag flasher pattern 1.3 flashes per second rate
5	Double Flash	2 flash bursts, 115 double FPM
6	Quad Flash	4 flash bursts, 140 quad FPM
7	Quintuple Flash	5 flash bursts, 150 quintuple FPM
8	Mega Flash	1 flash burst, 500 FPM
9	Octa Flash	8 flash bursts, 150 octa FPM
10	Phased Mega	1 flash burst, varies from 360-1200 FPM
11	DeciBlast	10 flash bursts, 170 deci FPM
12	Warble	1 flash burst, varies from 250 - 500 FPM

LED Flasher page 18

#	PATTERN	DESCRIPTION
1	Random Level 4	Randomly selects from patterns 5-12 and runs each pattern 4 times
2	Steady on	Turns both outputs on, no flashing
3	Random Level 10	Randomly selects from patterns 5-15 and runs each pattern 10 times
4	Flasher	Wig-wag flasher pattern 1.3 flashes per second rate
5	Double Flash	2 flash bursts, 115 double FPM
6	Quad Flash	4 flash bursts, 140 quad FPM
7	Quintuple Flash	5 flash bursts, 150 quintuple FPM
8	Mega Flash	1 flash burst, 500 FPM
9	Octa Flash	8 flash bursts, 150 octa FPM
10	Phased Mega	1 flash burst, varies from 360-1200 FPM
11	DeciBlast	10 flash bursts, 170 deci FPM
12	Warble	1 flash burst, varies from 250 - 500 FPM

ND0006 & ND0008 page 6

#	PATTERN	DESCRIPTION
1	Quint Hold Alternating	75 Quint FPM (Hold)
2 & 3	Quint Hold Simultaneous	75 Quint FPM (Hold) (Phase A & B)
4	Quad Flash Alternating	75 Quad FPM
5 & 6	Quad Flash Simultaneous	75 Quad FPM (Phase A & B)
7	Single Flash Alternating	75 Single FPM
8 & 9	Single Flash Simultaneous	75 Single FPM (Phase A & B)
10	Fast Single Alternating	375 Single FPM
11 & 12	Fast Single Simultaneous	375 Single FPM (Phase A & B)
13	Action Fast Alternating	6x Single then 4x Quint
14	Action Fast Simultaneous	4x Single then 2x Quint
15	Module Flash Alternating	Ramp Up/Down
16	Module Flash Simultaneous	Ramp Up/Down
17	Action Scan Alternating	4x Fast Single then 4x Quint
18	Steady, Single, Fast Single	Constant On & 5x Single / 15x Fast Single
19	Steady, Single	Constant On & Single Flash
20	Steady Burn	Always On
21	Cycle	Cycle Through Patterns
22	NFPA Quad Flash	75 Quad FPM
23	Title 13 Single Flash	75 Single FPM
24	Title 13 Double Flash	75 Double FPM



COMMERCIAL  Over-the-road and off-highway commercial applications

INDUSTRIAL  Industrial safety and security signaling applications

EMERGENCY  Police, Fire, Ambulance applications



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