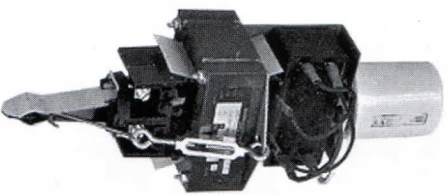


STANDARD KITS

SERIES AND MULTIPLE KITS AVAILABLE FOR MERCURY VAPOR, METAL HALIDE, HIGH PRESSURE SODIUM AND QL LIGHT SOURCES.

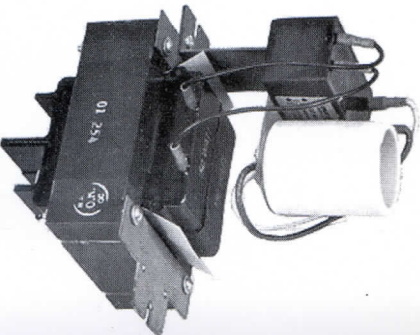


POST TOP KITS

- Replaces antique post top incandescent lamps.
- Tool-less installation plugs directly into existing fixture.

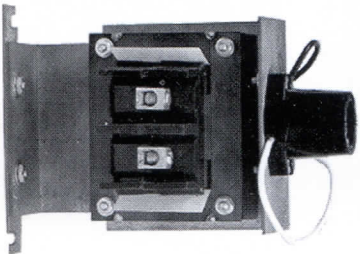
SOFFIT AND ACORN KITS

- Replaces existing series and multiple incandescent/mercury vapor.
- Mounting configurations available to fit nearly any fixture.



CUSTOM KITS

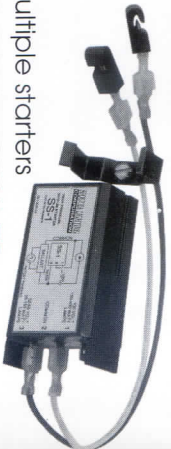
- When standard kits will not meet your requirements, our engineers will design custom kits to meet your specifications.



STARTERS

SUPER STARTER

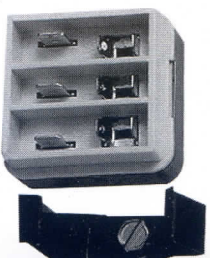
Replaces all multiple starters
GE, ITI, WESTINGHOUSE, ADVANCE, UNIVERSAL ETC.



- The SS-1 high pressure sodium starter is epoxy encapsulated to protect components from the harsh fixture environments.
- Reduces your inventory to just one starter.
- Starts all high pressure sodium lamps from 35 watts through 400 watts.
- No tools or special receptacles required for installation.

REPLACEMENT STARTING AID FOR HIGH PRESSURE SODIUM LIGHTING

Replaces all multiple starters
GE, ITI, WESTINGHOUSE, ADVANCE, UNIVERSAL, ETC.



- Small size fits all types of fixtures.
- Epoxy encapsulated-suited for wet conditions.
- Quick disconnect terminals to allow for fast installation.
- Two sizes operate all 35 through 400 watt high pressure sodium lamps.

SERIES 6.6 AMP STARTING AID

For high pressure sodium lamps

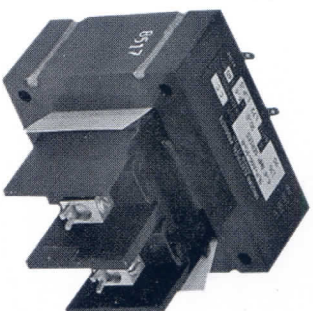
- Starting aid is designed for mounting inside luminaire.
- It is epoxy encapsulated to protect components.
- Single screw mounting.
- NEMA terminals used for primary and secondary connections.



SEQUOIA LIGHTING CORPORATION

SERIES 6.6 AMP

SERIES 6.6 AMP BALLAST



- Designed for operation on series lighting circuits.
- 6.6 Amp is standard.
- 7.5, 15 and 20 Amp available.

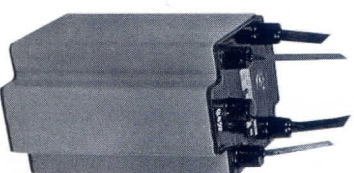
SERIES 6.6 AMP COBRA HEAD



- Upper and lower luminaire housings are die-cast aluminum joined by hinged pin and latch.
- Prismatic glass refractor (lens) is standard. Lexan and flat glass (cut-off) lenses are available.
- Fixtures approved by the City of Los Angeles, State of California, the Federal Government and others.

SERIES 6.6 AMP REMOTE BALLAST

- Encapsulated series ballast designed for mounting on pole or in pole base, external to luminaries.



SEQUOIA LIGHTING CORPORATION



SERIES 6.6 AMP COBRA HEAD

ROADWAY LIGHTING LUMINAIRES FOR SERIES CIRCUITS. SUITABLE FOR HIGH PRESSURE SODIUM, MERCURY VAPOR, AND METAL HALIDE LAMP. STARTERS ARE REQUIRED FOR HIGH PRESSURE SODIUM LAMP OPERATION.

APPLICATION

FOR HIGHWAY, PARKING LOT, AND AREA LIGHTING.

FEATURES

- SLIP-FITTER MOUNTING BRACKET TO ACCOMMODATE 1 1/4" THROUGH 2" MAST ARM.
- POLYESTER FIBER GASKETING AROUND FULL PERIMETER OF REFLECTOR TO FILTER CONTAMINATES FROM OPTICAL CAVITY.
- UPPER AND LOWER LUMINAIRE HOUSINGS ARE DIE-CAST ALUMINUM JOINED BY HINGED PIN AND LATCH.
- PRISMATIC GLASS REFRACTOR (LENS) IS STANDARD. LEXAN AND FLAT GLASS (CUT-OFF) LENSES ARE AVAILABLE. I.E.S. TYPE II DISTRIBUTION IS STANDARD, WITH I.E.S. TYPE III AVAILABLE.
- FIXTURES APPROVED BY THE CITY OF LOS ANGELES, STATE OF CALIFORNIA, THE FEDERAL GOVERNMENT AND OTHERS.

NOTES AND OPTIONS

1. PHOTO ELECTRIC CONTROL IS NOT APPLICABLE TO INDIVIDUAL FIXTURES ON SERIES CIRCUITS.
2. HIGH PRESSURE SODIUM LAMP STARTER IS NORMALLY INSTALLED IN THE LUMINAIRE.
3. TWO STYLES OF HPS STARTERS ARE AVAILABLE: STANDARD-STYLE FOR NORMAL CIRCUIT LOADING AND LOW LOAD-STYLE FOR REDUCED LOADING FACTORS.
4. BALLASTS MAY BE INSTALLED INSIDE THE LUMINAIRE OR REMOTELY MOUNTED EXTERNAL TO THE HEAD, ON POLE OR IN POLE BASE. REMOTE BALLASTS ARE ENCAPSULATED FOR OUTDOOR WEATHER PROTECTION, AND MUST BE ORDERED SEPARATELY.
5. STANDARD LAMP VOLTAGE FOR 35W TO 150W LUMINAIRES IS 55 VOLTS. STANDARD LAMP VOLTAGE FOR 200W AND LARGER LUMINAIRES IS 100 VOLTS.

CATALOG NUMBERS

UCS-A66-70-X

Fixture & Ballast Type

Cobra Head High Pressure Sodium = UCS
Cobra Head Mercury Vapor = UCM
Cobra Head Metal Halide = UCH

Amperage 60Hz

6.6 AMP = A66 15 AMP = A15
7.5 AMP = A75 20 AMP = A20

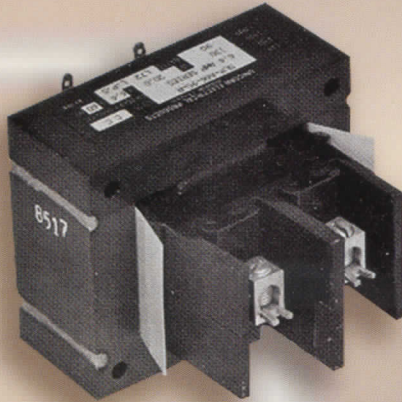
Lamp Size

35W = 35 175W = 175
50W = 50 200W = 200
70W = 70 250W = 250
100W = 100 310W = 310
150W = 150 400W = 400

Options

Flat Glass = C
Low Load Starter = X
Remote Ballast = NB

SEQUOIA LIGHTING CORPORATION



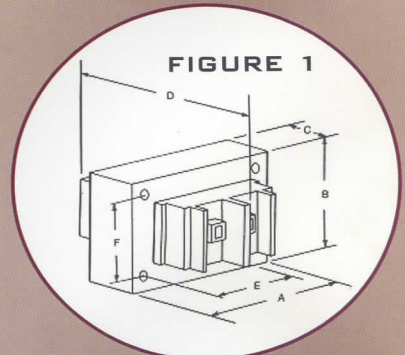
SERIES 6.6 AMP BALLAST

DESIGNED FOR OPERATION ON SERIES LIGHTING CIRCUITS.
6.6 AMP IS STANDARD. 7.5, 15 AND 20 AMP AVAILABLE.

HIGH PRESSURE SODIUM BALLAST

CATALOG NUMBER	LAMPWATT ANSI	LINE AMPS	LINE VOLTS	LINE WATTS	STARTER LOADING FACTOR*		CORE & COIL DIMENSIONS
					STANDARD STARTER CATALOG NUMBER	LOW LOAD STARTER CATALOG NUMBER	
SHP-A66-35	35 S-76	6.6	9	45	STS-5 0.15	STS-5X 0.11	FIG. 1 LINE X
SHP-A66-50	50 S-68	6.6	13	62	STS-5 0.20	STS-5X 0.15	
SHP-A66-70	70 S-62	6.6	18	85	STS-5 0.28	STS-5X 0.21	
SHP-A66-100	100 S-54	6.6	24	120	STS-5 0.40	STS-5X 0.30	
SHP-A66-150	150 S-55	6.6	38	175	STS-5 0.60	STS-5X 0.45	FIG. 1 LINE Y
SHP-A66-200	200 S-66	6.6	51	240	STS-5 0.75	STS-10X 0.52	
SHP-A66-250	250 S-50	6.6	73	300	STS-5 1.00	STS-10X 0.75	FIG. 1 LINE Z
SHP-A66-310	310 S-67	6.6	80	355	STS-5 1.20	STS-10X 0.90	
SHP-A66-400	400 S-51	6.6	106	455	STS-5 1.60	STS-10X 1.20	

CATALOG NUMBER	LAMPWATT ANSI	LINE AMPS	LINE VOLTS	LINE WATTS	LOADING FACTOR*	CORE & COIL DIMENSIONS
					KW	
LOW PRESSURE SODIUM BALLAST						
SLP-A66-35	35 L-70	6.6	8.0	50	0.25	FIG. 1-X
SLP-A66-55	55 L-71	6.6	11.3	70	0.26	
SLP-A66-90	90 L-72	6.6	20.0	120	0.44	FIG. 1-W
SLP-A66-135	135 L-73	6.6	28.4	175	0.60	
SLP-A66-180	180 L-74	6.6	40.2	220	0.60	
MERCURY VAPOR BALLAST						
SMV-A66-100	100 H-38	6.6	23	125	0.30	FIG. 1-X
SMV-A66-175	175 H-38	6.6	37	207	0.40	FIG. 1-Y
SMV-A66-250	250 H-38	6.6	51	285	0.47	
SMV-A66-400	400 H-38	6.6	78	445	0.65	FIG. 1-Z
METAL HALIDE BALLAST						
SMH-A66-100	100 M100	6.6	23	125	0.30	FIG. 1-X
SMH-A66-175	175 M175	6.6	37	207	0.40	FIG. 1-Y
SMH-A66-250	250 M250	6.6	51	285	0.47	
SMH-A66-400	400 M400	6.6	78	445	0.65	FIG. 1-Z



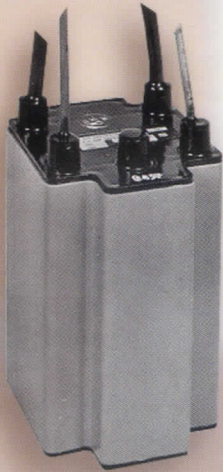
NOTE: Primary compression type lugs up to #6.
Secondary terminals .187 male Quick Disconnect.

	Series HPS, LPS, MV, MH						Weight Lbs.
	A	B	C	D	E	F	
LINE X	3.75	3.12	1.50	4.25	3.12	2.50	5.25
LINE Y	5.25	4.40	1.70	4.87	4.38	3.50	11.50
LINE Z	6.38	5.31	2.13	5.50	5.31	4.25	21.50

Dimensions are in inches.

* Loading factor is expressed as the KW of constant current transformer capacity required per lamp/ballast.

SEQUOIA LIGHTING CORPORATION



SERIES 6.6 AMP REMOTE BALLAST

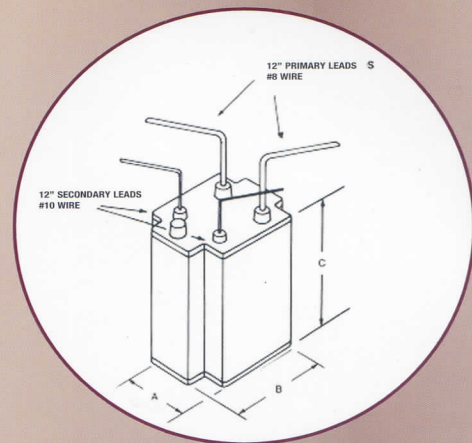
OUTDOOR WEATHERPROOF ENCAPSULATED

- ENCAPSULATED SERIES BALLAST DESIGNED FOR MOUNTING ON POLE OR IN POLE BASE, EXTERNAL TO LUMINARIES.
- MOUNTING BRACKET AVAILABLE.

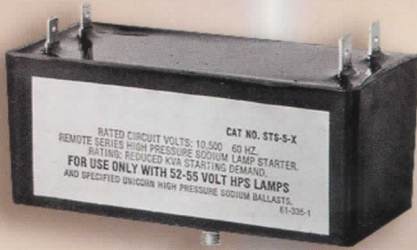
LAMP WATTS	A	B	C	WT.
35 - 100	4.13	4.75	4.75	10
150 - 200	5.25	5.60	6.25	17
250 - 400	5.25	5.60	7.25	25

To order add suffix -R to appropriate catalogue number.
Example: SHP-A66-70-R.

Dimensions are in inches.



SEQUOIA LIGHTING CORPORATION



SERIES 6.6 AMP STARTING AID FOR HIGH PRESSURE SODIUM LAMPS

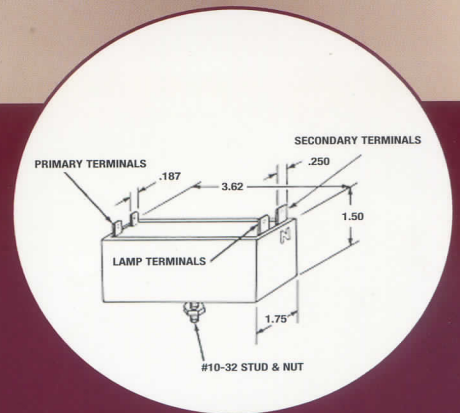
- STARTING AID IS DESIGNED FOR MOUNTING INSIDE LUMINAIRE.
- IT IS EPOXY ENCAPSULATED TO PROTECT COMPONENTS.
- SINGLE SCREW MOUNTING.
- NEMA TERMINALS USED FOR PRIMARY AND SECONDARY CONNECTIONS.

SYSTEM DESIGN

STANDARD STARTERS FOR SERIES CIRCUITS ARE DESIGNED FOR USE WHEN THE EXISTING OR NEW CIRCUIT LOAD IS WELL WITHIN THE SYSTEM CAPACITY. WHEN THE POSSIBILITY OF CIRCUIT OVERLOADING EXISTS, THE LOW LOAD STARTER SHOULD BE USED. THE LOW LOAD STARTER WILL ALLOW MORE LAMPS OR LARGER LAMPS TO BE INSTALLED ON A GIVEN CIRCUIT.

EXAMPLE

AN EXISTING LIGHTING CIRCUIT HAS 37 400WATT MERCURY VAPOR LIGHTS. THE CONSTANT CURRENT TRANSFORMER SERVING THIS CIRCUIT IS RATED AT 25 KW. BELOW ARE SHOWN SEVERAL OPTIONS WHEN CONVERTING TO HIGH PRESSURE SODIUM LAMPS:



All series starters same size.
Mounting bracket must be requested.
Weight: 11 oz.

LAMP	STANDARD STARTER	LOW LOAD STARTER
55-Volt Lamp	STS-5	STS-5X
100-Volt Lamp	STS-10	STS-10X

CASE	STARTER TYPE	LAMP TYPE	LAMP WATTS	LAMP LUMENS	POWER USAGE KW	CIRCUIT STATUS
1. Existing System	---	MV	400	20,000	37 x .65 = 24.05	OK
2. Convert to 200 W HPS	Standard	HPS	200	19,800	37 x .75 = 27.75	Overloaded
3. Convert to 200 W HPS	Low Load	HPS	200	19,800	37 x .52 = 19.24	OK
4. Convert to 250 W HPS	Low Load	HPS	250	24,700	37 x .75 = 27.75	Overloaded

*Lamp loading factor x number of lamps. Refer to table on ballast line card.

In this example, preferred design would be to convert the existing 400 watt mercury vapor lamps to 200 watt high pressure sodium lamps, using the low load starter.

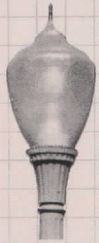
Sequoia Lighting Corporation
617 S. Walnut Street . La Habra, CA 90631

877.888.7880
www.sequoialighting.com

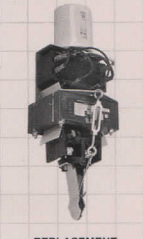
SEQUOIA LIGHTING CORPORATION

SERIES 6.6 AMP STANDARD KITS

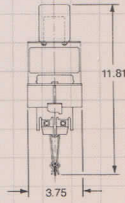
POST TOP FIXTURE



ORIGINAL INCANDESCENT EQUIPMENT

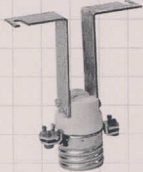


REPLACEMENT HIGH PRESSURE SODIUM PLUG-IN KIT



Dimensions

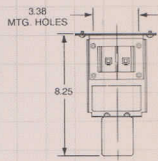
PENDANT FIXTURE



ORIGINAL INCANDESCENT EQUIPMENT



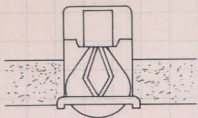
REPLACEMENT HIGH PRESSURE SODIUM DIRECT WIRE KIT



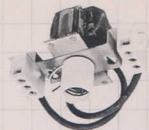
Dimensions

SOFFIT FIXTURE

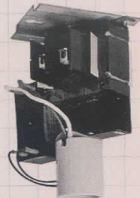
*KIT RECESSED IN CONCRETE



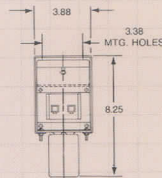
HIGHWAY UNDERPASS



ORIGINAL MERCURY VAPOR EQUIPMENT



REPLACEMENT HIGH PRESSURE SODIUM DIRECT WIRE KIT



Dimensions

Kits include core and coil assembly, HPS starting aid when required, pulse rated lamp socket and special mounting brackets. Lamps are not included.

These standard series kits are easily installed into existing incandescent or mercury vapor fixtures or luminaires. The original housings remain. The resulting savings in energy costs provide early repayment of conversion expense.

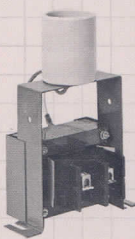
SERIES 6.6 AMP CUSTOM KITS

When standard kits will not meet your requirements our engineers will design and build kits to your specifications. Kits can be ordered for high

pressure sodium, mercury vapor, metal halide and low pressure sodium. Contact factory for details on how to order custom kits.



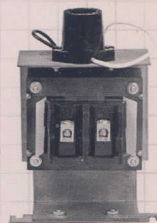
HIGH PRESSURE SODIUM



MERCURY VAPOR



METAL HALIDE



LOW PRESSURE SODIUM

Typical Custom Series HID Kits

SERIES 6.6 AMP COBRA HEAD KITS

Sequoia's High Pressure Sodium, Mercury Vapor, Low Pressure Sodium and Metal Halide replacement or retrofit conversion kits for series circuits. Fits most manufacturers' fixtures.

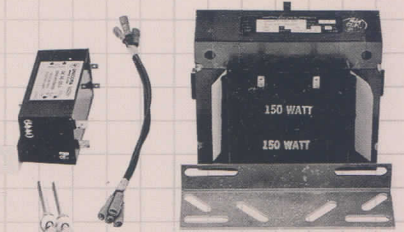
Everything you need in one carton: Ballast, Starting Aid when required, Mounting Hardware and Wire Leads.

CATALOG NUMBERS

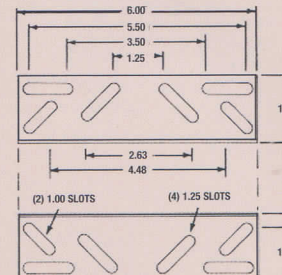
Catalog Number	Lamp	
	Watts	ANSI
SK-300-A66-35	35	S-76
SK-300-A66-50	50	S-68
SK-300-A66-70	70	S-62
SK-300-A66-100	100	S-54
SK-300-A66-150	150	S-55
SK-300-A66-200	200	S-66
SK-300-A66-250	250	S-50
SK-300-A66-310	310	S-67
SK-300-A66-400	400	S-51

NOTE: Add -X suffix for low load starter.

To order other lamp ballast types change first 2 letters for lamp type and last 2 numbers for lamp watts desired.



MOUNTING BRACKET



Dimensions are in inches and are subject to change.

ALL SLOTS FOR .25 MAX. SCREWS

BALLAST AREA

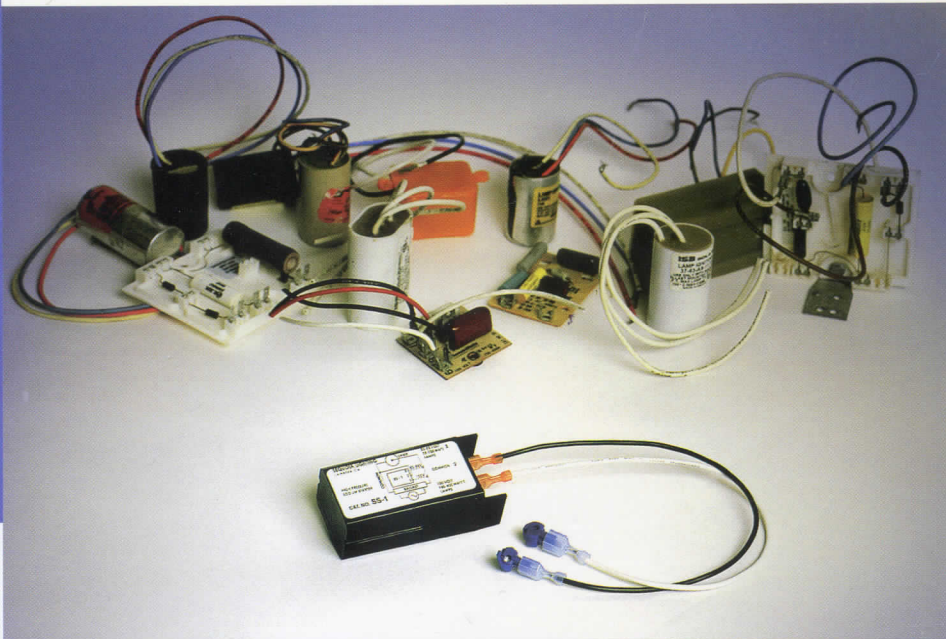
Sequoia Lighting Corporation
617 S. Walnut Street . La Habra, CA 90631

877.888.7880
www.sequoialighting.com

The one **STARTER** that replaces all others!

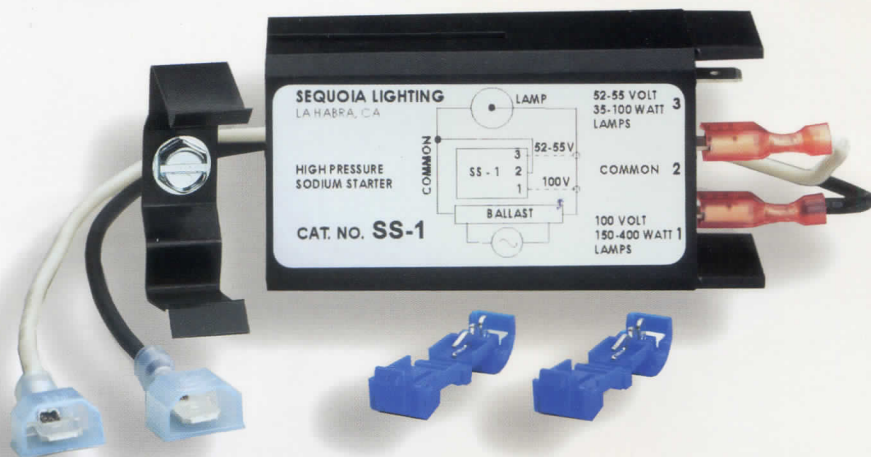
FREE
STARTER
SAMPLE

SEQUOIA LIGHTING
CORPORATION



Sequoia Lighting's **SS-I Super Starter** is the only starter you'll ever need. It's the single unit replacement that will maintain your entire lighting system.

Sequoia Lighting's **SS-I SUPER STARTER** replaces **all** multiple starters: GE, ITT Westinghouse, Advance, Universal, Etc.



The SS-I high-pressure sodium starter is epoxy encapsulated to **protect** components from harsh fixture environments.

Starts all
high-pressure
sodium lamps
from **35** watts
through **400**
watts.

Reduces your inventory to
just one starter.



No tools or special receptacles
required for installation.



SEQUOIA LIGHTING
CORPORATION