

## Altman 14" Scoops

- Heavy spun aluminum construction
- Processed matte aluminum reflector
- Three 36" Teflon lead wires
- Color/diffuser frame included
- U. L. listed for up to 1000 watts
- Connector, safety cable and pipe clamp not included

Cat. #	Description
LEAS154	14" Scoop - Incandescent/Quartz <ul style="list-style-type: none"> <li>• 300 - 1000 watt</li> <li>• Light diameter approx. 15' at a throw distance of 7.5'</li> </ul>
LP60	500 watt bulb
LP61	750 watt bulb
LP62	1000 watt bulb



Cat. #	Description
LEAS160	14" Scoop - Quartz Focusing <ul style="list-style-type: none"> <li>• 500 - 1000 watt</li> <li>• Light diameter varies from 13.5' to 20.7' at a throw distance of 7.5'</li> </ul>
LPEGE	500 watt bulb
LPEGG	750 watt bulb
LPEGJ	1000 watt bulb
LPEGK	1000 watt bulb



## Altman 16" Scoop

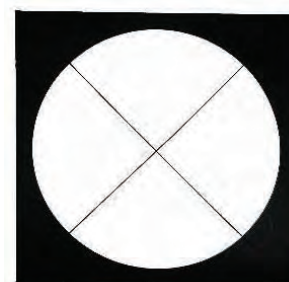
- Heavy spun aluminum construction
- Processed matte aluminum reflector
- Three 36" Teflon lead wires
- U. L. listed for up to 1000 watts
- 500 - 1000 watt
- Light diameter approx. 20' at a throw distance of 10'
- Connector, safety cable and pipe clamp not included

Cat. #	Description
LEAS161	16" Scoop - Quartz
LPFDN	500 watt bulb
LPEMD	750 watt bulb
LPFHM	1000 watt bulb
LPFCM	1000 watt bulb



## Scoop Accessories

Cat. #	Description
LEAS154CF	14" Color Frame
LEAS160CF	14" Color Frame
LEAS161CF	16" Color Frame
LEAS155CF	18" Color Frame



## Altman PAR 46 Steel Hood

- Rugged sheet steel construction
- 360° beam rotation lamp holder
- Plated steel color frame included
- 200 watt
- Light diameter varies with lamp
- Latching circular color frame holder
- Hinged rear cover for lamp access
- U.L. listed for 200 watts
- Pipe clamp, safety cable and connector not included

Cat. #	Description
LEAPAR46	Par 46 - Incandescent
LEA4.5CF	4.5" Color Frame
LP83F	200 watt Flood
LP83S	200 watt Spot

## Altman PAR 56 Steel Hood

- Rugged sheet steel construction
- 360° beam rotation lamp holder
- Three 36" Teflon lead wires
- Plated steel color frame included
- Latching circular color frame holder
- Incandescent/Quartz
- 300 - 500 watt
- Light diameter varies with lamp
- Hinged rear cover for lamp access
- U.L. listed for up to 500 watts
- Connector, safety cable and pipe clamp not included

Cat. #	Description
LEAPAR56	Par 56
LEA6CF	6" Color Frame
LP85F	300 watt Flood
LP85S	300 watt Spot
LP85FQ	500 watt Flood
LP85SQ	500 watt Spot



## Altman PAR 64

- 300 -1000 watt
- Light diameter varies with lamp
- Rugged sheet steel construction
- 360° beam rotation lamp holder
- Three 36" Teflon lead wires
- Plated steel color frame included
- Spring loaded color frame lock
- Hinged rear cover for lamp access
- U.L. listed for up to 1000 watts
- Connector, safety cable and pipe clamp not included

Cat. #	Description
LEAPAR64	Steel Hood
LEAPAR64WP	Weather Hood
LEAPAR64AL	Aluminum Hood
LEA8CF	8" Color Frame
LP87F	500 watt
LP87S	500 watt
LP88FQ	1000 watt
LP88SQ	1000 watt

# Fresnels

## Altman 3" Fresnel "Inkie"

- 3" heat resisting fresnel lens
- Cast aluminum construction
- Double contact bayonet base socket
- Specular spherical Alzak aluminum reflector
- Slide adjustment spot to flood focus
- Six foot lead (connector additional)
- Circular cast base plate included
- Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included
- 100 - 150 watt
- Light diameter varies from 4.2 feet to 10.4' at a throw distance of 10'



Cat. #	Description
LEAF100	3" Fresnel - Incandescent/Quartz
LPESR	100 watt bulb

## Altman 6" Fresnels

- 6" Heat resisting Fresnel lens
- Sheet steel welded construction
- Medium prefocus socket
- Specular spherical Alzak aluminum reflector
- Spot to flood focus adjustment
- Three 36" Teflon lead wires
- Plated steel color frame included
- Underwriters Laboratory listed to 750 watts
- Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included



Cat. #	Description
LEAF65Q	6" Fresnel - Slide Focus
LPBTL	500 watts
LPBTN	750 watts

## Altman 6" 1KL Fresnel

- 6" Heat resisting Fresnel lens
- Rugged lightweight die-cast aluminum housing
- Medium prefocus socket (medium bi-post socket available upon request)
- Efficient specular Alzak aluminum reflector
- 11:1 flood: spot beam zoom range
- Quick spot to flood focus adjustment with cool touch handle
- Three 36" Teflon lead wires
- UL listed to 1000 watts
- Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included
- Light diameter from 5.7' to 39' at a throw distance of 25'



Cat. #	Description
LEAF1KAF	6" Fresnel Die-Cast - Quartz
LPBTL	500 watts
LPBTN	750 watts
LPBTR	1000 watts

## Altman 8" Fresnels

- 8" Heat resisting Fresnel lens
- Sheet steel welded construction
- Mogul prefocus socket
- Specular spherical Alzak aluminum reflector
- Spot to flood focus adjustment
- Three 36" Teflon lead wires
- Plated steel color frame included
- Underwriters Laboratory listed to 750 watts
- Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included



Cat. #	Description
LEAF75Q	8" Fresnel - Slide Focus
LPBVT	1000 watts

## Altman Micro Flood

- Designed to produce narrow to wide beam spreads up to 15 feet away
- Attractive extruded aluminum housing
- Solid state electronic transformer
- Push-on type two pin ceramic socket
- Adaptable to most track systems
- Spot to flood focus adjustment
- Connector, lamp and pipe clamp additional
- Black Color Frame and Black Safety Cable included
- Underwriters Laboratory listed for 75 watts
- Includes 75 watt MR16 Lamp and Male Edison connector



Cat. #	Description
LEAMF	Micro Flood

## Fresnel Accessories



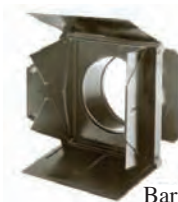
Colorframe



Color Wheel



Snoot



Barn Door-4 way

Cat. #	Description
LEAF100CF	3" Color Frame
LEAF100BD	3" Barn Door - 2 way
LEAF100SN	3" Snoot
LEA6CF	6" Color Frame
LEA6BD-4	6" Barn Door - 4 way
LEA6SN	6" Snoot
LEACW404-6	6" Motorized Color Wheel
LEA8CF	8" Color Frame
LEA8BD-4	8" Barn Door - 4 way
LEA8SN	8" Snoot
LEACW404-8	8" Motorized Color Wheel

## Altman 3.5" Ellipsoids

- 500 watt
- Takes the following lamps:
  - LPEHC 500 watts
  - LPEHD 500 watts
- Two heat resisting plano convex lenses
- Aluminum die cast and sheet metal construction
- Medium prefocus socket or Axial mount TP 22 socket
- Pebbled specular Alzak aluminum reflector
- Three 36" Teflon lead wires
- Pipe clamp for 3/4" to 1 1/2" pipe included
- Plated steel color frame included
- Safety cable not included
- Underwriters Laboratory listed to 500 watts
- Connector not included



Cat. #	At a throw of 20' the Approximate Light Diameter is:
LEAE3.5Q-5	17'
LEAE3.5Q-6	14'
LEAE3.5Q-8	10'
LEAE3.5Q-10	8'
LEAE3.5Q-12	6'

## Altman Shakespeare Series 600

- Built around the HX600 lamp technology
- Produces more light with less power or almost twice the light with the same power with the equivalent output of a 100wFEL
- Innovative Details - 180° indexed rotation of shutter center, an easy focus control system with integral rear ring handle which acts as a cord wrap
- Molded gel frame holder
- Exclusive, unbreakable dichronic metal reflector which pumps the hot infrared radiation out the back and projects cooler full spectrum light
- Available in fixed or zoom models
- Easy, no-tool lens changes on all fixed focus units are standard features
- Color frames, pipe clamp and safety cable included
- Connectors and lamps are additional
- Variable zooms also available, contact a sales representative for information



Cat. #	Description
LEAES6-50	Shakespeare 50°
LEAES6-40	Shakespeare 40°
LEAES6-30	Shakespeare 30°
LEAES6-20	Shakespeare 20°

## Altman 6" Ellipsoids

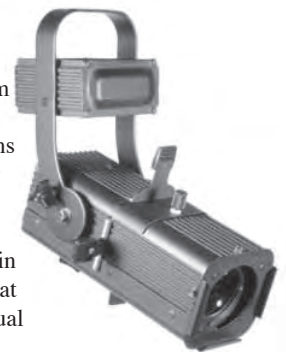
- 500 - 750 watts
- Takes the following lamps:
  - LPEHD 500 watts
  - LPEHG 750 watts
- Two heat resistant plano convex lenses
- Aluminum die cast and sheet metal construction
- Axial mount TP 22 socket
- Double flatted specular Alzak aluminum reflector
- Three 36" Teflon lead wires
- Pipe clamp for 3/4" to 1 1/2" pipe included
- Plated steel color frame included
- Safety cable with spring clip included
- Underwriters Laboratory listed for up to 500 watts
- Connector not included



Cat. #	At a throw of 40' the Approximate Light Diameter is:
LEAE360Q 4.5x6	41'
LEAE360Q 6x9	27'
LEAE360Q 6x12	19'
LEAE360Q 6x16	14'
LEAE360Q 6x22	8'

## Micro Ellipse

- A lightweight framing spotlight incorporating a 2" optical system designed to produce narrow to medium beam spreads up to 15 feet away
- Ideal for architectural and display applications due to the lamps long life, low cost, and low wattage
- Included are four integral steel framing shutters that provide beam shaping abilities in conjunction with a pattern slot and holder that accepts standard 1.5" patterns to project visual images
- UL listed for 75 watts



Cat. #	Description
LEAEME	Micro Ellipse



## Ellipsoidal Accessories

Cat. #	Description	Cat. #	Description
LEA3.5QPH	3.5" Pattern Holder	LEA6PH	6" Pattern Holder
LEA3.5QCF	3.5" Color Frame	LEA6CF	6" Color Frame
LEA3.5QSN	3.5" Snoot	LEA6SN	6" Snoot
LEA4.5PH	4.5" Pattern Holder	LEA8CF	8" Color Frame
LEA4.5CF	4.5" Color Frame	LEA8SN	8" Snoot
LEA4.5SN	4.5" Snoot		



# Border & Cyc Lights

## Altman #R40 Borderlight

- Porcelain sockets on 6 inch centers
- Spring loaded color frame door
- Combination glass or sheet color filter frame. Roundel not included
- Three 36" Teflon lead wires per circuit on portable sections
- Hanging hardware included. Floor trunion may be substituted
- Compartmented for color separation
- U.L. listed for up to 300 watts
- Connectors not included
- Takes the following lamps:

LP73F	150 watt	Flood Clear
LP73S	150 watt	Spot Clear
LP74F	300 watt	Flood Clear
LP74S	300 watt	Spot Clear
LP65	150 watt	Colors
(LP65 is available in Amber, Blue, Green, Pink, Red & Yellow. Please specify.)		



### Additional Accessories

Product#	Description
LEABR40CF	Color Frame
LEABR40FT	Floor trunion (pair)
LEABR40CFT	Castered Floor trunion (pair)
LEABR55/8	5 5/8" Roundel (Amber, Blue, Clear, Green & Red)

Cat. #	Unit Description	Socket Length	# of Ltgs on ctr.	# of /unit	# of Ltgs circuit	Roundel /circuit	Lamp size	Lamp wattage	Socket
LEABR406	R40 Borderlight	6'	6"	12	3 or 4	4 or 3	5 5/8"	75-300	med. screw
LEABR4075	R40 Borderlight	7.5'	6"	15	3	5	5 5/8"	75-300	med. screw
LEABR408	R40 Borderlight	8'	6"	16	4	4	5 5/8"	75-300	med. screw

## Altman Ground Cyc

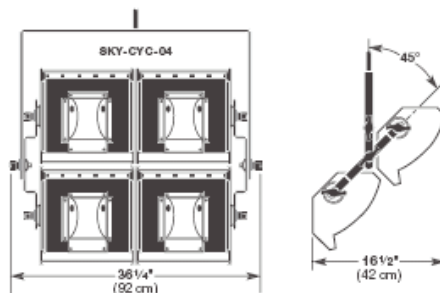
- Porcelain recessed single contacts on 9 inch centers
- Spring loaded color frame door
- Compartmented for color separation
- U.L. listed for up to 1000 watts
- Floor trunions included
- Asymmetrical distribution for even cyc washes
- 36" Teflon leads
- Connectors not included
- Price per 9" section
- Specify 3 or 4 circuits and number of sections



Cat. #	Description	Unit Length	Lamp wattage	Lamp socket
LEABGC	Ground Cyc	9"	300-1000	(2) R.S.C.
LEABGCCF	Color Frame			
LPEHZ	300 watt bulb			
LPFCL	500 watt bulb			
LPEJG	750 watt bulb			
LPFHM	1000 watt bulb			

## Altman Sky Cyc

- Wide spacing - 12" O.C. typical
- Broad even distribution
- High efficiency reflector
- U.L. listed for up to 1500 watts
- Multiple mounting configurations
- Three 36" Teflon leads
- Connectors not included
- Price per 9" section
- Specify # of sections and configurations



Cat. No.	Description	Unit Length	Lamp wattage	Lamp socket
LEABSC	Sky Cyc	9" section	1000-1500	(2)R.S.C.
LEABSCCF	Color Frame			
LPFFT	1000 watt			
LPFDB	1500 watt			
LPFGT	1500 watt			

## Altman EconoCyc

- EconoCyc is lightweight, compact luminaire designed to provide an even wash of light on cyc and backdrops.
- Can also be used as a multipurpose flood/fill light for stage and studio lighting.
- Features highly polished and peened reflector
- U.L. listed for up to 1000 watts
- Floor trunions included
- The housing has a rugged slide bracket which allows multiple units to be safely locked together
- Includes black hinged colorframe
- 36" Teflon leads
- Connectors not included
- Price per 9" section
- Specify 3 or 4 circuits and number of sections

Cat. #	Description
LEABEC	EconoCyc per section
LEABFCCF	Color Frame
LPDVS	500 watt bulb
LPDWT	1000 watt bulb

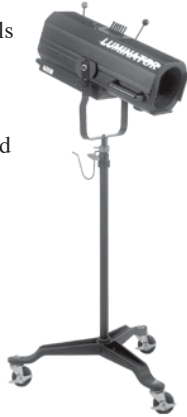


# Followspots & Lighting Hardware

## Altman Luminator

- Top operated color boom, iris, and dimmer controls
- High performance lamp
- Six color boomerang
- Rugged, compact and lightweight
- Adjustable castered stand with cable hook included
- Dual adjustable lenses
- Positive locking pan and tilt adjustment
- UL listed for 410 watts
- Total weight with base: 57 lbs.
- Overall height: 68" plus

Cat. #	Description
LEAFSL	Luminator Follow Spot
LPFLE	Lamp FLE (Included)



## Altman Comet

- Throws from 50' to 150'
- Top operated framing, iris, and dimmer controls
- Low wattage - high performance lamp
- Spring loaded automatic color boomerang
- Sheet steel and die cast construction
- Adjustable castered stand included
- Removable 25' long power cable
- Dual adjustable lenses
- UL listed (pending)
- Total weight with base: 91.5 lbs.
- Overall height: 58 1/2"

Cat. #	Description
LEAFSCOMET	Comet-FLE lamp included
LPENX	Lamp 360 watt Ushio (75 hrs)
LPFLE	Lamp 360 watt Sylvania (25 hrs)



## Altman 1000Q

- Throws from 25' to 125'
- Rear operated controls
- Integral iris and beam shaper
- Six color boomerang with dowser
- Integral 25' power cable
- Sheet steel and die cast construction
- Adjustable castered stand included
- Positive locking pan and tilt adjustment
- Forced air cooled
- Underwriters Laboratory listed for 1000 watts
- Total weight with base: 93.5 lbs.
- Overall height: 59 1/2" plus 18" adjustment

Cat. #	Description
LEAFS1000Q	1000Q Followspot
LPFEL	Lamp 1000 watt (300 hrs)



## Altman Satellite I

- Throws from 50' to 150'
- 7° - 20° zoom range
- Easy relamping
- Low power consumption
- Easy disassembly tramping stand
- Spring loaded automatic color boom
- Separate diameter and intensity controls
- Smooth easy operation
- UL listed
- 575 watt HMI /in reflector included

Cat. #	Description
LEAFSSATE	Satellite I



## Safety Cable

#LH2230

- 30" long so it will fit any light fixture
- When a "C" clamp fails, a #LH2230 safety cable will stop a light from hitting an actor's head.

## Old Style Pipe Clamp

#LH5PC9C

- Our C clamp is designed the way C clamps were supposed to be... shaped like a "C"
- The top of our C clamp extends further than most others so it stays hooked to the batten even if it loosens
- Fits 1 1/2" & 2" pipes



LHPC



LHBPC

## Pipe Clamps

Cat. #	Description
LH510HD	Heavy duty pipe clamp (1/2" to 2")
LHPC	Pipe clamp (fits 3/4" to 1 1/2" pipe)
LHBPC	Baby pipe clamp-cast aluminum

# Lighting Trees & Hardware



#LH509 Side Arm

## Iron Accessories

### Cat. # Description

- LH508 Borderlight hanger arm (10")  
 LH509 Side arm with sliding tee (12" pipe)  
 (Longer side arms are available upon request with additional Sliding Tees)  
 LHTEE Sliding Tee



#LHTEE Sliding Tee



## Lighting Bases & Accessories

- You can construct your own lighting trees using the bases listed below
- You can also construct your own tree using the lightweight Ultimate Support components listed below

### Cat. # Description

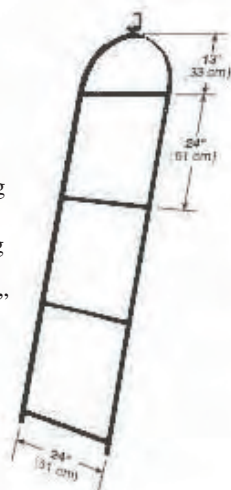
- LHB50 50lb. base 1 1/2" NPT thread  
 LHB50CB 50lb. base 1 1/2" NPT thread w/casters  
 LHB18 25lb. base 18" diameter 1" NPT thread  
 LHB3CB 3 legged base with casters 1 1/4" NPT thread

## Ladders

- This heavy duty channel stock steel ladder, finished in a heavy duty black enamel, available in 2-3-4 rung configurations is ideal for mounting most fixtures, including the 1K series from the tormentor position or wherever vertical mounting of multiple units is required
- Ladder is 24" wide and the rungs are spaced 24" O.C.
- Supplied with a heavy duty pipe clamp

### Cat. # Description

- LH262 Two rung  
 LH263 Three rung  
 LH264 Four rung



## The Ultimate Support Lighting Stand

- These lighting stands are light weight and very durable — if you have a limited budget, these lighting trees are the perfect solution.
- Ultimate Support has many lighting tree packages. We only feature the Heavy Duty Package in this catalogue.

For other products, contact a sales representative

- Black finish
- Includes - 1-Tripod Stand (5' to 9'2"), 1-Cross Bar (48"), 2-Arms (24"), 1-Vertical Extension (24"), 1-Tote Bag

Cat. #	Description	Finish
HT33BPT	Heavy Lighting Tree	Black



## Altman Lighting Stands

Cat. #	Description
LH524-18	Telescoping Stand 18" base (expands from 5' to 9')
LH525-18	Telescoping Stand 18" base (expands from 3' to 5')
LH526/5-9	Castered Telescoping Stand (expands from 5' to 9')
LH526/3-5	Castered Telescoping Stand (expands from 3' to 5')

# Littlites, Strobes & Chaser Lights

## L-3

### High Intensity Sets

- This gooseneck lamp is used for turntables, preamps, keyboards, music stands, lecterns, mixers, lightboards, clip boards, and anywhere you need a light.
- Both sets include: base and dimmer, 6 foot cord, wall plug-in transformer, gooseneck, high intensity hood, and quartz halogen bulb
- Two pieces of snap mount and screws included for permanent mounting.



Cat. #	Description
LLL-3/12	12" Littlite Set
LLL-3/18	18" Littlite Set
LLQ5	Quartz Halogen Bulb
LLWB	Weighted Base (makes the light freestanding)

## L-7 LED or High Intensity

- This new L-7 series lampset is identical to the other lampset but features an end-mount gooseneck enabling the gooseneck to lay flat when not in use.
- Comes complete with power supply (not shown) and mounting kit.



Cat. #	Description	Lamp
LLL7/12LED	12" Littlite Set	LED
LLL7/18LED	18" Littlite Set	LED
LLL7/12	12" Littlite Set	High Intensity
LLL7/18	18" Littlite Set	High Intensity

## Music Stand Light LED or High Intensity

- Works on any standard music stand with a flat edge
- Friction mounts on the top or side
- With power supply



Cat. #	Description	Lamp
LLMS/12LED	12" Littlite Set	LED
LLMS/18LED	18" Littlite Set	LED
LLMS/12	12" Littlite Set	High Intensity
LLMS/18	18" Littlite Set	High Intensity



LLQ5



LL1815

Cat. #	Description	Lamp
LLQ5	Quartz Halogen Bulb 5 watt 12v 38MA	High Intensity Tungsten-halogen
LL1815	2.4 watt 12v 230 mA	Incandescent



## The Super Strobe

- The 50S-2 Super Strobe features the new yoke with feed thru daisy chain connector
- The original design breakthrough linear lamp strobe was designed for wide area coverage and a variable intensity and rate. New user friendly mechanical housing
- All solid state circuitry
- Long life, quartz xenon lamp (50 million flashes)
- Variable intensity and rate control
- 50 Watt sec/flash (max) at 1to12 flashes per second. (50 Joules)12,500 watts per flash
- 5600 degrees Kelvin (daylight) color temperature
- Operates from standard line voltage 120 volts (100-130v, 60 Hz, 15A)
- Heavy duty extruded aluminum construction for heat dissipation
- Lightweight design: 16" x 7" x 7" - 8 lbs.
- Requires a controller
- The #50RC Remote Control features single flash pushbutton, variable rate, variable intensity, on/off switch and burst capabilities. The RC-50 will drive 4 strobes.



Cat. #	Description
EEST50S2	Strobe Light 50 watt seconds Controller necessary!
EEST50RC	Strobe Remote Control with 25' cable
EESTL	Lamp for Strobe lights (#0439)-replacement

## Chaser Lights



- With these light strings you can duplicate the brilliant effects of the chase strip lighting seen on theatre marquees
- Each chaser strand comes with a controller for that strand length and a molex connector
- If you need longer lengths, contact a sales representative for a price quote. Do not attempt to attach two sections. In order to have the lights chase properly, you want the length continuous
- Price includes 10 watt frosted 1 1/2" diameter non-glare cosmetic bulbs
- Frosted bulbs are standard. Colored lamps are available
- Allow 2 to 3 weeks for delivery

Cat. #	Description	length	# of bulbs	watts/section
EEC15	Chaser Lights	15'	45	450
EEC20	Chaser Lights	20'	60	600
EEC30	Chaser Lights	30'	90	900
EEC40	Chaser Lights	40'	120	1200

## Chaser Light Bulbs

- Sold by the dozen
- | Cat. No. | Color          |
|----------|----------------|
| EECL12   | Frosted        |
| EECL12CS | Clear - steady |



# Cable & Electrical Aides

## Rubber Cable

Cat. #	Gauge	# of leads
LRCZ	18	2 wire (zip cord)
LRC12-3	12	3 wire
LRC12-3SO	12	3 wire Premium Grade



## Replacing Instrument Leads

- Due to the high heat emitted by lighting instruments, special heat resistant leads are used to feed power into the back of the lighting fixture
- Prices per 40" lead with eyelets
- Three leads plus a glass woven sleeve (36" long) equal one instrument lead

Cat. #	Description
LTLBK	Black
LTLGN	Green
LTLW	White
LTLGWS	Glass Woven Sleeve (additional)

## Strain Reliefs

- The accessory Strain Relief is suggested for the 20 amp connector when undersized cable is used
- It is ideally suited for use with the sleeved leads common to many lighting fixtures
- The tough polycarbonate clamping device will accept cable sizes up to 16/3 type S

Cat. #	Description
RSR	20 Amp Clamp Style

## Two - Fers

- Two - fers are available with no connector, stage pin grounded (GP) or twistlock grounded (GL)
- Rubber cable leads

Cat. #	Description
LC2F-36	Two-fer 36" length - no connectors
LC2FGP-36	Two-fer 36" length - stage pin grounded
LC2FGL-36	Two-fer 36" length - twistlock grounded



## Three-Fers

- Three-Fers are available with no connector, stage pin grounded (GP) or twistlock grounded (GL)
- Rubber cable leads

Cat. #	Description
LC3F-36	Three-Fer 36" length - no connectors
LC3FGP-36	Three-Fer 36" length - stage pin grounded
LC3FGL-36	Three-Fer 36" length - twistlock grounded



## Adaptors

- These small, rugged adaptors are of unibody construction and factory wired

Cat. #	Description
RA70005	20 Amp Male Stage Pin to 15 Amp U-Ground
RA70007	20 Amp Female Stage Pin to 15 Amp Male U Ground
RA70003	20 Amp Male Stage Pin to 20 Amp Female Twistlock
RA70004	20 Amp Female Stage Pin to 20 Amp Male Twistlock



## Extension Cords

- Three-wire

Note: The wire should be the correct gauge to maintain adequate voltage to the power tool. Recommended extension cords are listed on instruction sheets packed with each power tool.

Cat. #	Length	Gauge
LRC83954	25'	16-3
LRC83957	50'	16-3
LRC83958	100'	16-3



## Wire Ties

Cat. #	Size	Color	Pkg	Cat. #	Size	Color	Pkg
LRCWT4BK	4"	Black	100	LRCWT15BK	15"	Black	100
LRCWT4W	4"	White	100	LRCWT15W	15"	White	100
LRCWT7BK	7"	Black	100	LRCWT24BK	24"	Black	50
LRCWT7W	7"	White	100	LRCWT24W	24"	White	50
LRCWT11BK	11"	Black	100	LRCWT36BK	36"	Black	50
LRCWT11W	11"	White	100	LRCWT36W	36"	White	50

## Wire Nuts

Cat. #	Color	For
LRCWNGY	Grey	2-#12 to 6-#12
LRCWNR	Red	2-#14 to 4-#12
LRCWNY	Yellow	3-#18 4-#14 w/1-#18
LRCWNBL	Blue	2-#18 or 2-#16



## Rosco Wallhugger™

- This adapter is the perfect solution when you need to use standard 15 amp wall outlets for fixtures equipped with stage pin 3-pin connectors
- Fits flush against the wall outlet, requiring only 1.5" for the head of the adapter.
- The stagepin connector is attached at the bottom of the device, so the connector does not protrude from the wall.

Cat. #	Description
RCWH	Rosco Wallhugger



## Cinefoil/Black Foil

- Used to mask light leaks and to conceal unsightly cabling. Use it outdoors for weather protection. It is the ideal material for making a snoot to shape a beam of light or barndoors to control spill. In film and video work, shiny surfaces which cause unwanted reflection can be quickly covered with black foil
- When wrapped around fixtures or hardware, it keeps its shape and position
- On strike night, Cinefoil is easy to remove
- Blackwrap is .002" thick, coated matte black on two sides

Cat. No.	Description
RCF12	Black Foil 12" x 50' roll
RCF24	Black Foil 24" x 25' roll



# Dove Dimmers & Connectors

## Dove Scenemaster 1

### #LEDSM1-DUG

- All in one Control and Dimmer
- Six 1000 Watt Dimmers
- Dual U Ground outputs
- Single Scene Control
- Requires only two wall outlets for power
- Dimensions 18 3/4" x 10 1/4" x 3 3/4"
- Shipping Wt. 16 pounds



## Dove Scenemaster 6

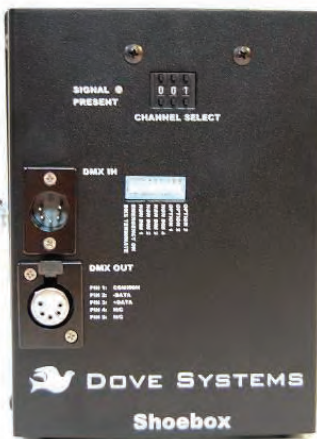
- All in one Control and Dimmer
- Six 1000 Watt Dimmers
- Two-Scene Preset Control
- Timed Crossfader (0-2 min)
- Grand Master Fader
- Bump/Flash Buttons
- Use wall outlets for power
- Master/Slave option
- Remote Footswitch option
- Shipping Wt. 16 pounds
- Dimensions 15 1/4" x 10 1/2" x 7"



Cat. #	Outputs
LEDSM6-DUG	Dual U-ground outputs
LEDSM6-SSP	Single Stage Pin outputs

## Dove Mini Shoebox Dimmer & Controller

- They may be pipe or tree mounted and are perfect for tight spaces where conventional rackmount dimmer packs are too bulky
- With both male and female XLR connectors, the control switch may be daisy-chained from pack to pack
- DMX or analog



Cat. #	Description	Output
LEDDM-406D	4 x 600w / 2400s Total Cap.	U-Ground
LEDDM-124D	1 x 2400w / 2400w Total Cap.	Stage Pin
LEDDM-410D	4 x 1000w / 4000w Total Cap. (30A Twistlock input on LEDDM-410D)	U-Ground



Cat. #	Description
LEDIQ512M	Standard DMX Control Board for 512 dimmers Stores nearly unlimited number of cues & shows

## Stage Pin

### Connectors

- Ground 3 pole connectors

Cat. #	Volts	Amps	Type
LC111F	125/250	20	Female
LC111M	125/250	20	Male
LC111PR	125/250	20	Pair



- 2 pole male connectors

Cat. #	Volts	Amps	Type
LC138M	250	20	Male



L5-20R



New Style - Nib In



NON-NEMA



Old Style - Nib Out

## Twistlock Connectors

- The most secure connection available, but very expensive
- They are available in two different pin configuration - nib-in or nib-out, which is important to know
- Grounded 3 pole connectors

Cat. #	Amp	type	configuration
LCTWC3F	20	Female	old - nib out
LCTWC3M	20	Male	old - nib out
LC2311	20	Male	new - nib in
LC2313	20	Female	new - nib in



5-15P

## U-Ground Connectors

Cat. #	Description
LC091M	Male, 3 wire, black
LC091F	Female, 3 wire, black



## Cube Tap #LECUBE



## Add a Tap #LEAAT



## Quick Ons

- #LEQOM (Male)
- #LEQOF (Female)



# Lamps & Sockets

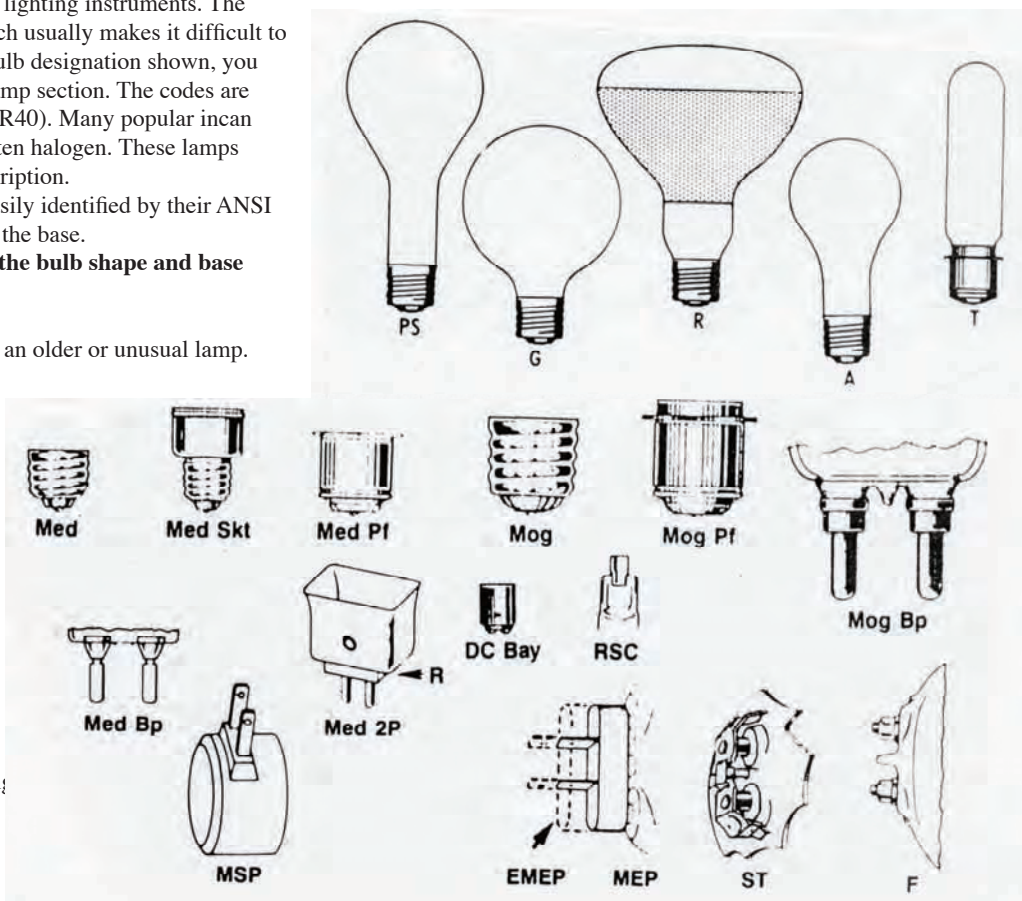
## Lamp Identification

- Incandescent Lamps are used in old style lighting instruments. The old lamp forms a residue on the bulb which usually makes it difficult to read its identifying codes. By using the bulb designation shown, you can locate a replacement bulb from our lamp section. The codes are stated in the description (i.e.: 1M/G40 or R40). Many popular incandescent lamps are now available as tungsten halogen. These lamps have three letter ANSI codes in their description.
- Tungsten Halogen (Quartz) Lamps are easily identified by their ANSI codes which are stamped on the bulb and the base.
- Lamps can be identified by examining the bulb shape and base type.

Use the illustrations below to help identify an older or unusual lamp.

### Lamp Bases:

Med	medium
Med SKT	medium skirted
Med PF	medium prefocus
Mog	mogul
Mog PF	mogul prefocus
Mog BP	mogul bipost
Med BP	medium bipost
Med 2P	medium 2 pin (TP22)
DC Bay	double-contact bayonet
RSC	recessed single contact (double end - D.E.)
MSP	medium side prong
EMEP	extended mogul end prong
MEP	mogul end prong
ST	screw terminal
FC	ferrule contact
MC	minican
2TP	two pin prefocus



## Replacement Sockets

Cat. #	Description
LB01	Medium Screw - any medium screw lamp
LB02	Medium Prefocus - 250/500/750/1000 watt
LB03	Mogul Screw - any mogul screw lamp
LB04	Mogul Prefocus - 1000/1500/2000/3000
LB05	Mogul BiPost - 1000/1500/2000/3000 watt
LB06	Medium BiPost - 250/500/750 watt
LB07	RSC (Recessed Single Contact)
LB08	Medium 2P (TP22)
LB09	D.C. (Double Contact Bayonet)

## Rosco Colorine

- Used to color low wattage bulbs, lamps, and glass
- Sold by the pint (16 oz.)
- Requires dangerous goods shipping fee even via ground service.

Cat. #	Description	Closest Roscolux
RC7601	Cardinal Red	(26)
RC7602	Ruby Red	(27)
RC7603	Magenta	(49)
RC7604	Moonlight Blue	(80)
RC7605	Urban Blue	(82)
RC7607	Emerald Green	(90)
RC7610	Golden Amber	(41)
RC7615	Canary Yellow	(15)
RC7617	Clear	
RC7680	Thinner	



## Lamps - Incandescent & Quartz

Cat. #	Watts	Description	Base	Life Hours	Color Temp(k°)
LP08F	250	G30 Flood	Med	800	2800
LP08S	250	G30	Med	200	2900
LP12F	400	400G/FL Flood	Med	800	2850
LP12S	400	400G/SP Spot	Med	200	2950
LP17F	500	500G/FL Flood	Mog	800	2850
LP19	500	T20 (DMS)	Med	500	3200
LP20	500	T20/64 (DNW)	Med Pref	500	3050
LP23	500	T12/9 (DNS)	Med Pref	200	2950
LP24	500	T14/7 (EFX)	Med Bip	2000	3000
LP25	750	T12/9 (DNT)	Med Pref	500	3050
LP33A	1000	T12/2 (DNV/FME)	Med Pref	200	3200
LP37	1000	1M/T20P (DPW)	Mog Pref	50	3200
LP51	60	A19 120V Clear	Med	1000	
LP55	100	A19 129V Clear	Med	750	
LP56	150	A21 120V Clear	Med	750	
LP57	200	A23 120V Clear	Med	750	
LP58	300	PS-35 120V Clear	Mog	1000	
LP60	500	PS40 Clear 120V	Mog	1000	
LP61	750	PS52 Clear 120V	Mog	1000	
LP62	1000	PS52 Clear 120V	Mog	1000	
LP74F	120	BR40 Clear Flood	Med	2000	
LP74S	120	BR40 Clear Spot	Med	2000	
LPPAR36	25	PAR36 (pinspot)	Scr Term	1000	
LP75F	150	PAR38 Flood	Med Skt	2000	
LP75S	150	PAR38 Spot	Med Skt	2000	
LP83F	200	PAR46 Flood	Med Side	2000	
LP83S	200	PAR46 Spot	Med Side	2000	
LP85F	300	PAR56 Flood	MEP	2000	
LP85S	300	PAR56 Spot	MEP	2000	
LP87F	500	PAR64 Flood	EMEP	2000	
LP87S	500	PAR64 Spot	EMEP	2000	
LP87FQ	500	PAR56Q/MFL	MEP	4000	
LP87SQ	500	PAR56Q/NSP	MEP	4000	
LP88FQ	1000	PAR64Q/FL Flood	EMEP	4000	
LP88SQ	1000	PAR64Q/NSP Spot	EMEP	4000	

### New lamp for 360Q

Cat. #	Watts	Description	Base	Life Hours	Color Temp(k°)
LPGLA	575	T6 575W115v	Med 2P	1500	3100
LPGLC	575	T6 575W120V	Med 2P	300	3200

The GLC is brighter. The GLA has a longer life.

Cat. No.	Watts	Description	Base	Life Hours	Color Temp(k°)
LPBTL	500	Q500T6	Med Pref	750	3050
LPBTN	750	Q750T7	Med Pref	500	3050
LPBTR	1000	T-7	Med Pref	200	3000
LPBTV	1000	T-7	Mog Pref	500	3050
LPBVV	1000	T-7	Mog Pref	200	3200
LPBVW	2000	T-9 1/2	Mog Pref	250	3200
LPBWA	2000	G38 2000W120V	Bipost	500	3000
LPCXZ	1500	T-8	Med Bp	325	3200
LPCYX	2000	T-9 1/2	Mog Bp	400	3200
LPDTA	1500	T20/39	Mog Pref	100	3200
LPDWT	1000	T-6	D.E.RSC	2000	3000
LPDXK	650	PAR36	Ferrule	20	3400
LPEDG	500	Q500T4	Med Pref	150	3200
LPEGE	500	Q500T4	Med Pref	2000	3000
LPEGG	750	Q750T12/CL	Med Pref	2000	3000
LPEGJ	1000	Q1000TG	Med Pref	400	3200
LPEGK	1000	Q1000TG	Med Pref	400	3200
LPEGN	500	T-6	Med Bip	100	3200
LPEGR	750	T-7	Med Bip	200	3200
LPEGT	1000	T-7	Med Bip	250	3200
LPEHC	500	T-4	Med 2p	200	3200
LPEHD	500	Q500T4	Med 2p	2000	3000
LPEHG	750	Q750T5	Med 2p	2000	3000
LPEHM	300	T-3 300T21/2Q	D.E. RSC	2000	2950
LPEHP	300	Q300T4/CL	D.E. RSC	2500	3000
LPEHR	400	Q400T4/CL	D.E. RSC	2000	3000
LPEHZ	300	T-3 300T21/2Q	D.E. RSC	2000	3000
LPEJG	750	Q750T3/4CL	D.E. RSC	400	3200
LPEMD	750	Q750T3/4	D.E. RSC	400	3200
LPESP	150	T-4	D.C. Bay	1000	2900
LPESR	100	T-4	D.C. Bay	1000	2900
LPETC	150	150QCC/DC	D.C. Bay	2000	2900
LPEVR	500	T-4	Minican	2000	3000
LPFAD	650	Q650T4	D.E. RSC	100	3200
LPFAY	650	PAR36	Ferrule	36	5000
LPFCL	500	T-3 500T3Q/LL	D.E. RSC	2600	3000
LPFCM	1000	T-3 1000T3Q/4CL	D.E. RSC	300	3200
LPFCW	650	Q650PAR36/6	Ferrule	100	3200
LPFCX	650	Q650PAR36/7	Ferrule	100	3200
LPFCZ	500	T-3 500T3Q	D.E. RSC	2000	300
LPFDN	500	Q500T3/4	D.E. RSC	400	3200
LPFEL	1000	Q100TG	Med 2p	300	3200
LPHX600	575	FLK	Med 2p	300	3200
LPHX600H	575	FLK with HPR	Med 2p	300	3200
LPFFM	420	T-4	D.E. RSC	75	3200
LPFFT	1000	Q1000T3/1CL	D.E. RSC	400	3200
LPFGT	1500	T-4 Q1500T4/4	D.E. RSC	400	3200
LPFHM	1000	T-3 Q1000T3/4	D.E. RSC	400	3200

## FLK Lamp Series

Efficient Tungsten Halogen Lamps for Ellipsoidal and Parabolic Spotlights



FLK PLUS HPR 575/115



FLK

- Single-ended, tungsten halogen lamp
- Engineered for maximum light collection efficacy
- Optimum system performance
- Compact filament design (CC-8)
- Increased fixture efficiency
- Consistent and reliable lamp performance
- FLK lamp is interchangeable with FLK PLUS HPR 575/115
- FLK PLUS HPR™ 575/115 - Patented Lamp Design with internal reflector
- FLK PLUS HPR™ 575/115 provides a smoother, higher light output with more intense beam pattern, and lower seal temperature.
- Extended life version available - FLK/X - Ideal for architectural applications where lamps are operated for extended periods. Reduce change-outs during continuous performances
- **FLK is equivalent to the HX600**
- **FLK/X is equivalent to the HX601**

# Color Frames & Roscolux

## Lighting Gels

### Swatchbooks

- Gamcolor & Rosco are available in large designer swatchbooks that can be used in lighting fixtures to run tests in your studio
- Lighting designers favorite tool for color filter selection, the swatchbook, contains samples of every color in the range
- A swatchbook also includes transmission curves for each filter
- Swatchbooks are dated and users are advised to have an up-to-date swatchbook on hand



Cat. #	Description	Size
RXSB	Roscolux Swatchbook	1" x 3"
RXDSB	Roscolux Designer Swatchbook	3 1/2" x 4"
RX0810	Professional Reference Edition	8" x 10"

## Roscolux

- The most durable color filter Rosco offers
- Sheets: 20" x 24"
- If you want to order this in rolls (24" x 50'), add an "RL" to the Cat. #

Cat. #	Description	Cat. #	Description
RX000	Clear	RX030	Light Salmon Pink
RX001	Light Bastard Amber	RX031	Salmon Pink
RX002	Bastard Amber	RX331	Shell Pink
RX302	Pale Bastard Amber	RX032	Medium Salmon Pink
RX003	Dark Bastard Amber	RX332	Cherry Rose
RX303	Warm Peach	RX033	No Color Pink
RX004	Medium Bastard Amber	RX333	Blush Pink
RX304	Pale Apricot	RX034	Flesh Pink
RX005	Rose Tint	RX035	Light Pink
RX305	Rose Gold	RX036	Medium Pink
RX006	No Color Straw	RX336	Billington Pink
RX007	Pale Yellow	RX037	Pale Rose Pink
RX008	Pale Gold	RX337	True Pink
RX009	Pale Amber Gold	RX038	Light Rose
RX010	Medium Yellow	RX039	Skelton Exotic Sangria
RX310	Daffodil	RX339	Broadway Pink
RX011	Light Straw	RX040	Light Salmon
RX012	Straw	RX041	Salmon
RX312	Canary	RX042	Deep Salmon
RX013	Straw Tint	RX342	Rose Pink
RX313	Light Relief Yellow	RX043	Deep Pink
RX014	Medium Straw	RX343	Neon Pink
RX015	Deep Straw	RX044	Middle Rose
RX016	Light Amber	RX344	Follies Pink
RX316	Gallo Gold	RX045	Rose
RX017	Light Flame	RX046	Magenta
RX317	Apricot	RX446	Tropical Magenta
RX018	Flame	RX047	Light Rose Purple
Rx318	Mayan Sun	RX347	Belladonna Rose
RX019	Fire	RX048	Rose Purple
RX020	Medium Amber	RX348	Purple Jazz
RX021	Golden Amber	RX049	Medium Purple
RX321	Soft Golden Amber	RX349	Fisher Fuchsia
RX022	Deep Amber	RX050	Mauve
RX023	Orange	RX051	Surprise Pink
RX024	Scarlet	RX351	Lavender Mist
RX324	Gypsy Red	RX052	Light Lavender
RX025	Orange Red	RX053	Pale Lavender
RX324	Henna Sky	RX353	Lilly Lavender
RX026	Light Red	RX054	Special Lavender
RX027	Medium Red	RX055	Lilac

## Colorframes

Cat. #	Description	Cat. #	Description
LEAMCF	3 3/8" x 3 3/8"	LEA568CF	7 3/4" x 8"
LEA100CF	3 3/4" x 3 3/4"	LEA8CF	10" x 10"
LEA3.5QCF	4 1/8" x 4 1/8"	LEA153CF	10 1/2" x 10 1/2"
LEAZSCF	4 3/4" x 4 3/8"	LEASCCF	15 1/2" x 15 7/8"
LEAR40CF	5 3/4" x 6 3/4"	LEA154CF	15 3/4" x 16"
LEA4.5CF	6 1/4" x 6 1/4"	LEA161CF	16" Diameter
LEA6CF	7 1/2" x 7 1/2"	LEAR40CF	R40 Combo frame



## Rosco Safety Frames

- Heat resistant cardboard
- Remains cool for safe handling

Cat. #	Frame Size	Lens Size
RSF8620	4-1/4"	3-5/16"
RSF8621	7-1/2"	5-7/8"
RSF8622	9-3/4"	7-3/4"
RSF8623	4-1/2"	3-3/4"
RSF8625	6-1/4"	5"



(For ETC Source Y & Altman Shakespeare)

Cat. #	Description	Cat. #	Description
RX355	Pale Violet	RX376	Bermuda Blue
RX056	Gypsy Lavender	RX077	Green Blue
RX356	Middle Lavender	RX377	Iris Purple
RX057	Lavender	RX078	Trudy Blue
RX357	Royal Lavender	RX378	Alice Blue
RX058	Deep Lavender	RX079	Bright Blue
RX358	Rose Indigo	RX080	Primary Blue
RX059	Indigo	RX081	Urban Blue
RX359	Medium Violet	RX082	Surprise Blue
RX060	No Color Blue	RX382	Congo Blue
RX360	Clearwater	RX083	Medium Blue
RX061	Mist Blue	RX383	Sapphire Blue
RX361	Hemsley Blue	RX084	Zephyr Blue
RX062	Booster Blue	RX384	Midnight Blue
RX362	Tipton Blue	RX085	Deep Blue
RX063	Pale Blue	RX385	Royal Blue
RX363	Aquamarine	RX086	Pea Green
RX064	Light Steel Blue	RX386	Leaf Green
RX364	Blue Bell	RX087	Pale Yellow Green
RX065	Daylight Blue	RX088	Light Green
RX365	Tharon Delft Blue	RX388	Gaslight Green
RX066	Cool Blue	RX089	Moss Green
RX366	Jprdan Blue	RX389	Chrome Green
RX067	Light Sky Blue	RX090	Dark Yellow Green
RX367	Slate Blue	RX091	Primary Green
RX068	Sky Blue	RX092	Turquoise
RX368	Winkler Blue	RX392	Pacific Green
RX069	Brilliant Blue	RX093	Blue Green
RX369	Tahitian Blue	RX393	Emerald Green
RX070	Nile Blue	RX094	Kelly Green
RX370	Italian Blue	RX095	Medium Blue Green
RX071	Sea Blue	RX395	Teal Green
RX371	Theatre Booster 1	RX096	Lime
RX072	Azure Blue	RX097	Light Grey
RX372	Theatre Booster 2	RX397	Pale Grey
RX073	Peacock Blue	RX098	Medium Grey
RX373	Theatre Booster 3	RX398	Neutral Grey
RX074	Night Blue	RX099	Chocolate
RX075	Twilight Blue		
RX375	Cerulean Blue		
RX076	Light Green Blue		

To view Roscolux colors  
go to [www.Rosco.com](http://www.Rosco.com).

## Diffusion Materials

• Stocked in rolls only, (except where noted) 48" x 25'

Cat. #	Description
RL3002R	Soft White
RL3004R	Half Density Soft Frost
RL3014R	Hilite (54" x 22') Special Price
RL3030R	Grid Cloth
RL3032R	Light Grid Cloth
RL3034R	1/4 Grid Cloth
RL3000R	Tough Rolux
RL3001R	Light Tough Rolux
RL3006R	Tough Spun
RL3007	Light Tough Spun
RL3022R	1/4 Tough Spun
RL3008R	Tough Frost
RL3009R	Light Tough Frost
RL3010R	Opal Tough Frost
RL3020R	Light Opal Tough Frost
RL3011R	Tough Silk
RL3015R	Light Tough Silk
RL3026R	Tough White Diffusion
RL3027R	1/2 Tough White Diffusion
RL3028R	1/4 Tough White Diffusion
RL3029R	Silent Frost
RL3040R	Powder Frost
RL3046	Velvet Frost
RL3047	Light Velvet Frost
RL3060R	Silent Grid Cloth (60" x 22')
RL3062R	Silent Light Grid Cloth (60" x 20')
RL3064	Silent Quarter Light Grid Cloth (60" x 20')

## Tungsten Conversion Filter

• Stocked in 48" x 25' rolls only

Cat. #	Description
RC3202R	Full Blue (CTB)
RC3203R	Three-Quarter Blue (3/4 CTB)
RC3204R	Half Blue (1/2 CTB)
RC3206R	Third Blue (1/3 CTB)
RC3208R	Quarter Blue (1/4 CTB)
RC3216R	Eighth Blue (1/8 CTB)
RC3220R	Double Blue (2x CTB)



## Cinegel Products

• Stocked in 48" x 25' rolls only

Cat. #	Description
RC3407R	RoscoSun CTO
RC3411R	RoscoSun 3/4 CTO
RC3408R	RoscoSun 1/2 CTO
RC3409R	RoscoSun 1/4 CTO
RC3410	RoscoSun 1/8 CTO
RC3420	RoscoSun Double CTO
RC3441R	Full Straw (CTS)
RC3442R	Half Straw (1/2 CTS)
RC3443R	Quarter Straw (1/4 CTS)
RC3444R	Eighth Straw (1/8 CTS)

## Roscolux Diffusion

• A range of filters designed to alter the shadow characteristics or the beam shape of light

Cat. #	Description	Cat. #	Description
RX100	Frost	RX120	Red Diffusion
RX101	Light Frost	RX121	Blue Diffusion
RX102	Light Tough Frost	RX122	Green Diffusion
RX103	Tough Frost	RX123	Amber Diffusion
RX104	Tough Silk	RX124	Red Cyc Silk
RX105	Tough Spun	RX125	Blue Cyc Silk
RX106	Light Tough Spun	RX126	Green Cyc Silk
RX111	Tough Rolux	RX127	Amber Cyc Silk
RX112	Opal Tough Frost	RX132	Quarter Hamburg Frost
RX113	Matte Silk	RX140	Subtle Hamburg Frost
RX114	Hamburg Frost	RX160	Light Tough Silk
RX115	Light Tough Rolux	RX162	Light Opal
RX116	Tough White Diffusion	RX163	Powder Frost
RX117	Tough 1/2 White Diffusion		
RX118	Tough 1/4 White Diffusion		
RX119	Light Hamburg Frost		

## Rosco Acrylic Panels

• These panels are oversized and must be shipped via truck

Cat. #	Description	Roll Size (ft)
RCAPN854x8	Roscolex 85	4 x 8
RCAPN124x8	Roscolex 1/2 CTO	4 x 8
RCAPN34x8	Roscolex N3	4 x 8
RCAPN64x8	Roscolex N6	4 x 8
RCAPN94x8	Roscolex N9	4 x 8
RCAPN855x8	Roscolex 85	5 x 8
RCAPN35x8	Roscolex N3	5 x 8
RCAPN65x8	Roscolex N6	5 x 8
RCAPN95x8	Roscolex N9	5 x 8

## Fluorescent Light Filters

• Stocked in 48" x 25' rolls only

Cat. #	Description
RL3304R	Tough Plusgreen
RL3315R	Tough 1/2 Plusgreen
RL3316R	Tough 1/4 Plusgreen
RL3317R	Tough 1/8 Plusgreen
RL3308R	Tough Minusgreen
RL3313R	Tough 1/2 Minusgreen
RL3314R	Tough 1/4 Minusgreen
RL3318R	Tough 1/8 Minusgreen
RL3310R	Fluorofilter
RL3311R	Fluorofilter Sleeves



# Lee Filters & Gobo Rotators

## Lee Protection & UV

Rolls: 48" x 25'

Cat. #	Description
LF269R	Heat Shield
LF280R	Black Foil
LF226R	U.V. Filter

## Lee Neutral Density

- Reduces light intensity without changing color.

Cat. #	Description	Cat. #
48" x 25'		60" x 22'
LF209R	0.3 ND	LF209W
LF210R	0.6 ND	LF210W
LF211R	0.9 ND	LF211W
LF298R	.15 ND	LF298W
LF299R	1.2 ND	LF299W

## Lee Diffusion Materials

- Diffusions spread the projected beam of light over the subject, some loss of light will possibly be seen.

Cat. #	Description	Cat. #
48" x 25'		60" x 22'
LF216R	White Diffusion	LF216W
LF228R	Brushed Silk	n/a
LF250R	Half White Diffusion	LF250W
LF251R	1/4 White Diffusion	LF251W
LF252R	1/8 White Diffusion	n/a

## Lee Reflectors & Scrim

Cat. #	Description	Cat. #
48" x 25'		60" x 22'
LF271R	Mirror Silver	LF271W
LF272R	Soft Gold Reflector	LF272W
LF273R	Soft Silver Reflector	LF273W
LF274R	Mirror Gold	LF274W
LF270R	Scrim	LF270W
LF275R	Black Scrim	LF275W

## Lee Acrylic Panels

- These panels are oversized and must be shipped via truck

Cat. #	Description	Roll Size (ft)
LFAPN124x8	Lee Filters 1/2 CTO	4 x 8
LFAPN34x8	Lee Filters N3	4 x 8
LFAPN64x8	Lee Filters N6	4 x 8
LEFPN94x8	Lee Filters N9	4 x 8
LFAPN35x8	Lee Filters N3	5 x 8
LFAPN65x8	Lee Filters N6	5 x 8
LFAPN95x8	Lee Filters N9	5 x 8

## Lee Tungsten Light Conversion

- Converts a tungsten light source to daylight.

Rolls: 48" x 25'

Cat. #	Description
LF201R	Full C.T. Blue
LF202R	1/2 C.T. Blue
LF203R	1/4 C.T. Blue
LF218R	1/8 C.T. Blue

## Lee Daylight Conversion

- Converts daylight to a tungsten light.

Cat. #	Description	Cat. #
48" x 25'		60" x 22'
LF204R	Full C.T. Orange	LF204W
LF85R	3/4 C.T. Orange	LF85W
LF205R	1/2 C.T. Orange	LF205W
LF206R	1/4 C.T. Orange	LF206W
LF207R	C.T. Orange & N3	LF207W
LF208R	C.T. Orange & N6	LF208W
LF228R	1/8 C.T. Orange	LF228W

## Lee Grid Cloths

- Grid Cloths are made from a reinforced material that contains diffusion properties ranging from medium to dense. Create the effect of a shadowless beam of light.

Cat. #	Description	Cat. #
48" x 25'		60" x 22'
LF430R	Full Grid	LF430W
LF432R	1/2 Grid (Lt. Grid)	LF432W
LF434R	1/4 Grid	LF434W
LF460R	Quiet Grid	LF460W
LF462R	Quiet Light Grid	LF462W
LF464R	Quiet Quarter Grid	LF464W

## Lee Frosts

- Frosts are used for a variety of applications, offering a low to medium diffusion, to a beam of light while maintaining the shape of the beam center

Rolls: 48" x 25'

Cat. #	Description
LF129R	Heavy Frost
LF253R	Hampshire Frost
LF255R	Hollywood Frost
LF256R	1/2 Hampshire Frost
LF402R	Soft Frost
LF404R	1/2 Soft Frost
LF414R	Hi Light
LF429R	Quiet Frost

## Donuts

### #LAD

- Donuts provide greater sharpness and contrast to the image by reducing halation and eliminating lens flare
- The Donut fits in the gel frame holder of any 6" ellipsoidal spotlight
- 7 1/2" x 7 1/2" with a 3" diameter hole in the center



## Pattern Holders

Cat. #	Description
RPH	Rosco Tab Style "B" Size

RPHS	Gobo Holder-Sandwich Type
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## Rosco Vortex 360 Dual Rotator #RV360

The Vortex 360 Dual Rotator is one of the most versatile accessories ever offered to lighting designers. And its incredibly low price makes it possible for any theatre or venue to have several units available to cover any space or meet any need.

The sleek unit houses two carefully crafted gear drives, both made of stainless steel, to assume long term operation. A single silent motor drives both gear assemblies. Even at full speed, the Vortex 360 Dual Rotators is so quiet it can be used anywhere in a theatre or venue - including front of house positions in a theatre or grids on low ceiling in restaurants or stores.

The Plug and Play model of the Vortex 360 does not require any additional power supply. The transformer/plug that comes with it can be plugged directly into a wall outlet. Or, using a low cost adapter, into any convenient dimmer.

The Vortex 360 includes a three-way toggle switch, discreetly located just under the handle. The switch allows you to turn the unit off and on and to control polarity. The front and rear gears rotate opposite each other-but the switch allows the user to determine whether the front or rear will operate clockwise.

A potentiometer knob provides manual control of the speed of rotation.



## Patterns “Gobos”

- We stock Rosco “B” Size Patterns and some limited GAM Gobos
- Shown here is a small selection of the most popular images. To browse all the designs, visit Rosco’s website at [www.rosco.com](http://www.rosco.com) and note the gobos that you need. You will find them all listed on our website [www.mutualhardware.com](http://www.mutualhardware.com).
- Standard sizes for most ellipsoidal and automatic luminaires are available. We stock the “B” size in steel.
- To order, use Rosco’s number with a prefix RPH.



78218  
SUMMER BRANCHES



77797  
THICKET  
Francis Bellman



77734  
PINE TREES  
Martha Erik



77206  
FOREST FLOOR  
Paul Sweeney



77205  
FOREST TOP  
Paul Sweeney



77793  
FOREST STAGE RIGHT  
Tom Sturge & David Summer



77794  
FOREST STAGE LEFT  
Tom Sturge & David Summer



77862  
SPOOKY WOOD



77271  
TWIGS  
Andrew Bridge



77757  
IRREGULAR LEAVES  
Peter Maradudin



77785  
SHARP BREAK (MEDIUM)  
Tom Skelton



77100  
TREE 2



78219  
WRINKLES



77735  
BARE BRANCHES I  
Robin Wagner



77550  
MARTIN CIERRE  
BRANCHES 2



77777  
BARE BRANCHES 2  
David Hersey



77733  
JUNGLE LEAF  
Jo Mielzner



77281  
OPEN PALM  
Andrew Bridge



77551  
PINES



78222  
MOONLIGHT LEAVES



77781  
BAMBOO  
Tom Skelton



77730  
PALM  
Marcia Madiera



77838  
PALM TREE



77222  
TROPICAL PALM  
Leon Rosenthal



77546  
SCRUB



77749  
ARCADIA 23  
Richard Nelson



77642  
TRIANGLES SMALL



77284  
KINETIC BURST  
Mike Baldassari



77418  
CRACKLE



77387  
REQUIEM



78253  
SQUIRMS (NEGATIVE)  
KC Hooper



78251  
THORNS  
KC Hooper



78237  
FINGERS  
Don Damutzer



78250  
KELP  
KC Hooper



77583  
CIRCLES



77754  
ARABESQUE  
Boris Aronson



78232  
CHICKEN SCRATCH



78226  
WOODCUT



77564  
LOOSE WEAWE



77710  
FINE MESH  
Sholem Dolgoy



77750  
ARCADIA 17  
Richard Nelson



77748  
SPLINTERS  
Dennis Panchy



77760  
INTERNAL REFLECTIONS  
Dennis Panchy



77275  
PIPES  
KC Hooper



77285  
POP TOP  
Abigail Rosen Holmes



77787  
COBBLESTONES  
Ed Witten



77527  
BRICKS



77411  
CROSSWORD



77221  
FLOATING SQUARES  
David Davidson



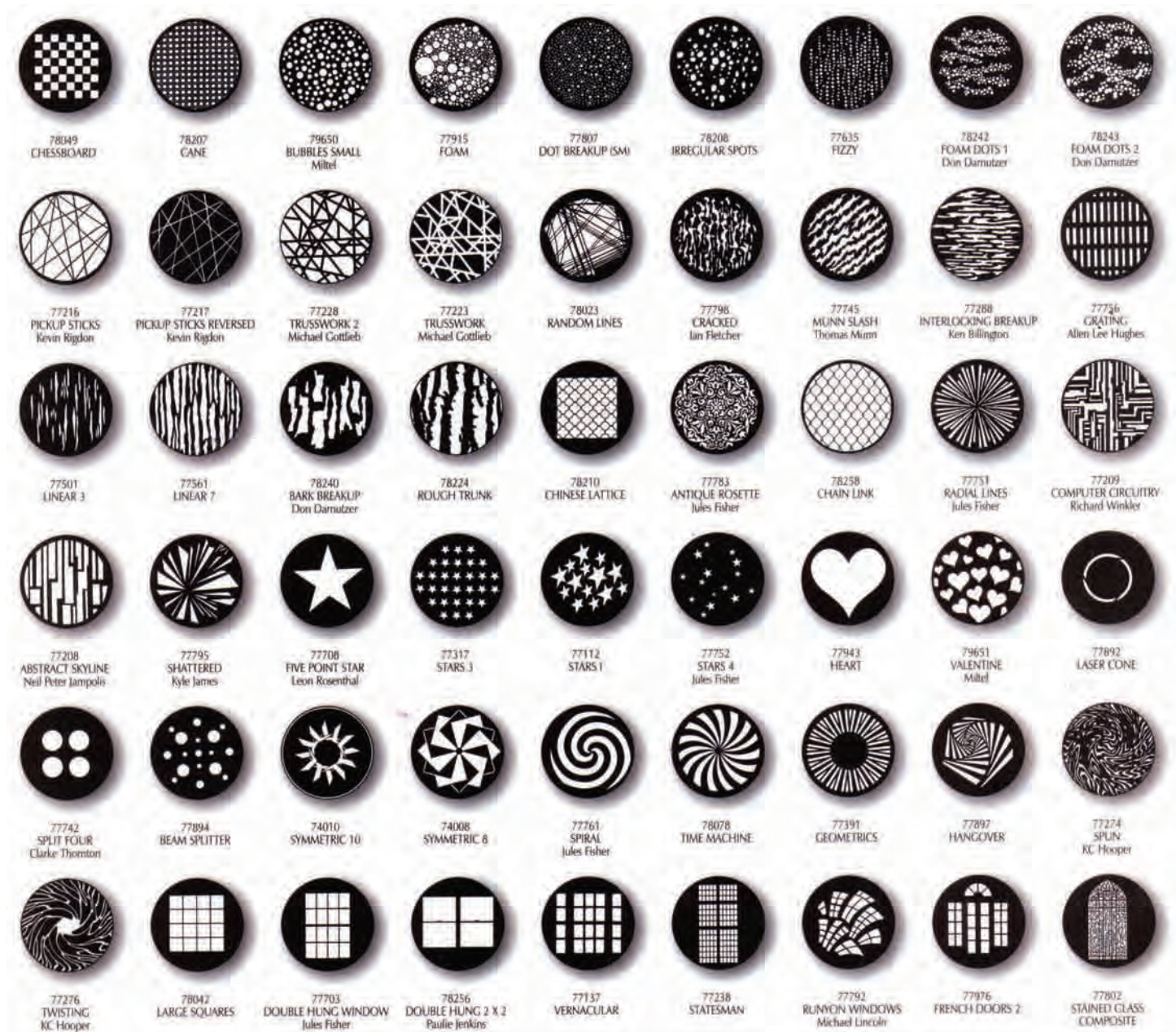
77743  
URBAN BREAKUP  
Richard Nelson



77204  
BASKET WEAWE  
Kirk Bookman



# Gobos/Patterns



## Custom Gobos

Mutual distributes custom gobos from virtually any artwork for both stationary and moving light fixtures. These include fixtures manufactured by Vari Lite, Martin, High End, Robe, ETC, Times Square Lighting, Altman and Selecon, as well as many others.

Custom gobos are created on glass or stainless steel substrates. Steel gobos are less expensive and can generally be produced more quickly. Glass gobos allow fine details and very high resolution on an exceptionally dependable coating. This detail and resolution are often required even for black and white and grayscale images. Mutual distributes dichroic glass, and our supplier employs unique manufacturing processes to provide unparalleled quality control, consistency and dependability for multi-color and enhanced high definition glass gobos designs.

Email artwork to [www.mutualhardware1.rr.nyc.com](mailto:www.mutualhardware1.rr.nyc.com)