

# Strand Lighting

## PRODUCT DATA

# LEKO® 18/30 & 25/50 Variable Focus Ellipsoidals 800W

### Leko 18/30 & 25/50

Ellipsoidal spotlight with 18° to 30° and 25° to 50° variable beam angles with new design of reflector to optimise performance from new FLK high efficiency lamps. Supplied complete with color frame, C-clamp and 3ft of cable with bare leads.

GR, GP or GTL fitted connector may be specified.

Cat No	Description
11151	Leko 18/30, bare leads
11141	Leko 25/50, bare leads

### Fitted Connector Options

11156	Leko 18/30, GR (15A)
11157	Leko 18/30, GP (20A)
11158	Leko 18/30, GTL (20A)
11146	Leko 25/50, GR (15A)
11147	Leko 25/50, GP (20A)
11148	Leko 25/50, GTL (20A)

### Leko 18/30 & 25/50 Accessories

Cat No	Description
18114	Additional Color frame
18115	High Hat
18116	Pattern Holder
18117	Drop-in Iris
82003	Safety Cable, 18" (457mm)
FLK	575W 115V Lamp, 300hrs
FLK-LL	575W 115V Lamp, 1500hrs
HX400	400W 115V Lamp, 300hrs
HX401	400W 115V Lamp, 2000hrs
HX800	800W 115V Lamp, 300hrs
EHC	500W 120V Lamp, 300hrs
EHD	500W 120V Lamp, 2000hrs
HX600	575W 230V Lamp, 300hrs

### Photometric Data

Footcandles based on FLK, 575W lamp at 120V

Throw (ft)	20	25	30	35	40	45
<b>Leko 18/30</b>						
18°	325	210	145	105	80	65
30°	240	150	105	78	60	47
<b>Leko 25/50</b>						
25°	310	200	140	100	78	60
50°	120	80	55	40	30	25

Performance at any distance: Narrow (25°)  $124000 \div \text{Distance}^2$  Wide (50°)  $48000 \div \text{Distance}^2$   
Narrow (18°)  $130000 \div \text{Distance}^2$  Wide (30°)  $95000 \div \text{Distance}^2$

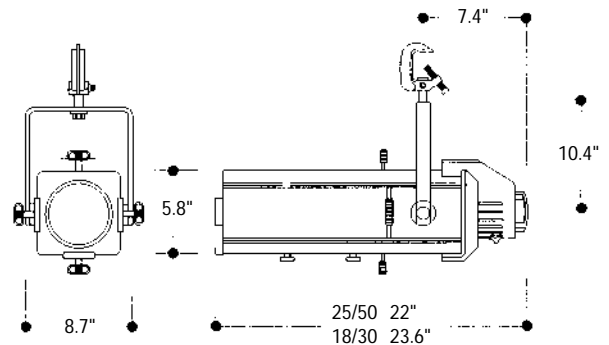
### Beam Diameter (ft) for projected throw

Throw (ft)	20	25	30	35	40	45
<b>Leko 18/30</b>						
18°	6	8	9.5	11	12.5	14
30°	11	13.5	16	19	21.5	24
<b>Leko 25/50</b>						
25°	9	11	13	15.5	18	20
50°	19	23	28	33	37	42

Beam diameter at any distance: Narrow (18°)  $.32 \times \text{Distance}$  Wide (30°)  $.54 \times \text{Distance}$   
Narrow (25°)  $.44 \times \text{Distance}$  Wide (50°)  $.93 \times \text{Distance}$

Note: FLK Lamp is rated at 115V. Performance guide is based at nominal mains voltage. Use multiplication factor of 0.91 for operation at 115V.

Leko 18/30 & 25/50



- New generation of high performance variable focus 4.5" Lekos
- New optical system designed around FLK (HX600) high efficiency lamps
- Compact dimensions are ideal for tight rigging situations
- Two models cover 18° to 30° and 25° to 50° beam angle range
- Patented user friendly lamp adjustment system for lamp centering and field adjustment
- Bayonet action lamp change system maintains field adjustment with new lamp
- Smooth action zoom lens adjustment
- New click stop positioning in steps for predefined beam angles
- Rock solid tilt angle lock off
- Can also be used with HX400, EHD 500W and HX800 120V lamp
- High voltage FLK lamp is available for 220/230V installations
- Long life versions of FLK and HX400 lamps available for extended use applications
- Sliding access cover for lens cleaning and for iris and pattern holder installation
- UL/cUL listed

Lamp Data			
Specify lamps for replacement to the following specifications			
	<b>115V</b>	<b>115V</b>	<b>120V</b>
<b>Watts</b>	800W	575W	500W
<b>Designation (ANSI Code)</b>	HX800	HX600/HX601	
<b>Base</b>	G9.5	FLK/FLK-LL	EHC/EHD
<b>Lumens</b>	16500/12800	G9.5	G9.5
<b>Rated Life-Hours</b>	300	13000/10000	300/2000
<b>Color Temp</b>	3200K	300/1500	3200K/2900K
		3200K/2900K	

Electrical Data	
<b>Supply Voltage</b>	100 to 240V 50/60Hz
<b>Max Lamp Watts</b>	800W
<b>Lamp Type/Socket</b>	TP 22 Medium 2-pin
<b>Cable/Connections</b>	3 x 3ft leads in glass fiber sleeve which is strain relieved in rear plastic handle
<b>Standards Compliance</b>	UL/cUL Listed

Environmental Data	
<b>Max Operating Ambient Temp</b>	115°F
<b>Max Surface Temp</b>	470°F
<b>IP Rating</b>	IP20
<b>Permitted angles of use</b>	↑45° - 0 - ↓90°

Mechanical Data	
<b>Paint/Finish</b>	Black powder coated and baked epoxy finish
<b>Construction</b>	The fixture housing is constructed from extruded aluminum sides, pressure diecast lamp housing and aluminum infill panels designed to allow adequate ventilation and cooling of the interior without allowing the passage of stray internal reflections
<b>Gate Assembly</b>	Four removable beam shaping shutters of steel alloy
<b>Reflector</b>	Ellipsoidal reflector designed to optimise performance from HX600 high efficiency lamp
<b>Lenses</b>	18/30 4 1/2" x 12" & 4 1/2" x 7 1/2" 25/50 4 1/2" x 9" & 4 1/2" x 6 1/2" Lenses of heat resistant clear borosilicate glass mounted in die cast aluminum carriers. Each lens carrier mounted on a carriage track slides independently of the other on Teflon® guides and locks into place with thermally insulated plastic knobs. Detent lens positioning provides easy beam angle adjustment to predefined steps.
<b>Mounting and Suspension</b>	Aluminum alloy yoke fitted with heat insulated handle and interlocking cup arrangement for tilt adjustment and positive locking. C-clamp supplied.
<b>Rear Handle</b>	Heat insulated handle mounted on rear of fixture.
<b>Pattern/Gobo Size</b>	B

Weights and Dimensions		
	Leko 18/30	Leko 25/50
<b>Weight</b>	15.5lbs	15.0lbs
<b>Length</b>	23.6"	22"
<b>Width</b>	8.7"	8.7"
<b>Height</b>	14.8"	14.8"
<b>Packed Weight</b>	17.5lbs	17.0lbs
<b>Filter Cut Size</b>	6 1/4" x 6 1/4"	6 1/4" x 6 1/4"
<b>Color frame</b>	Metal color frame	Metal color frame

Operational Data	
<b>Lamp Access</b>	Leko 3 bayonet action, removable lamp assembly provides access to lamp without altering field adjustment
<b>Lens Accessory Access</b>	Sliding top panel gives access to lenses for cleaning and to accessory runners for iris and pattern holders
<b>Focus Adjustment</b>	Lens position adjusted by handles on bottom of lens tube where focus setting indication is provided
<b>Field Adjustment</b>	By fore and aft adjustment of lamp socket assembly in rear housing
<b>Lamp Alignment</b>	By patented Leko 3 screwdriver adjustment through rear handle
<b>Beam Shaping</b>	Four framing shutters and optional drop in iris
<b>Tilt</b>	By means of pivots on either side of yoke, locked by T-handle on interlocking cup arrangement
<b>Pan</b>	Rotates on locking stud of C-clamp

For more information on Strand products and World Wide facilities see our Web page

<http://www.strandlight.com>

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# Strand Lighting



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