



Strand Lighting

PRODUCT DATA

Cantata 11/26

Variable angle zoom ellipsoidal spotlight with 11° to 26° beam spread for long-throws. Four integral beam-shaping shutters and pattern holder slot in rotatable gate. Supplied with color frame and C-clamp.

W 1000W V 120V < 11° - 26° 28lbs. (12.8kg)
* 100 FC (1075 lux) ◀ 50' (15m)
X 7.5" x 7.5" (185 x 185mm) ⊕ B
▣ 35.5lbs. (16.1kg) ▣ 5.15 Cu.ft. (0.146m³)
✓ EN 60 598 2-17

Cat No. Description

12371 Cantata 11/26, 120V
1000W Axial, bare leads

Fitted Connector Options

12376 GR (15A)
12377 GP (20A)
12378 GTL (20A)

Cantata 18/32

Variable angle zoom ellipsoidal spotlight with 18° to 32° beam spread for medium-throw applications. Four integral beam-shaping shutters and pattern holder slot in rotatable gate. Supplied with color frame and C-clamp.

W 1000W V 120V < 18° - 32° 26.5lbs. (12kg)
* 70 FC (745 lux) ◀ 50' (15m)
X 7.5" x 7.5" (185 x 185mm) ⊕ B ▣ 33lbs. (15.1kg)
▣ 4.4 Cu.ft. (0.125m³) ✓ EN 60 598 2-17

Cat No. Description

12381 Cantata 18/32, 120V
1000W Axial, bare leads

Fitted Connector Options

12386 GR (15A)
12387 GP (20A)
12388 GTL (20A)

Cantata 26/44

Variable angle zoom ellipsoidal spotlight with 26° to 44° beam spread for short-throw applications. Four integral beam-shaping shutters and pattern holder slot in rotatable gate. Supplied with color frame and C-clamp.

W 1000W V 120V < 26° - 44° 24lbs. (11kg)
* 95 FC (1060 lux) ◀ 30' (9m)
X 7.5" x 7.5" (185 x 185mm) ⊕ B ▣ 30lbs. (13.6kg)
▣ 3.9 Cu.ft. (0.111m³) ✓ EN 60 598 2-17

Cat No. Description

12391 Cantata 26/44, 120V
1000W Axial, bare leads

Fitted Connector Options

12396 GR (15A)
12397 GP (20A)
12398 GTL (20A)

Cantata Accessories

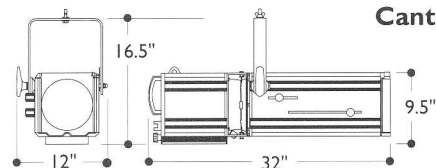
Cat No. Description

575W 120V lamp
575W 120V lamp
43771 1000W 120V lamp
43773 1000W 230V lamp
18104 Additional color frame, 7 1/2" x 7 1/2"
18045 Pattern holder for Cantata
18103 Drop in iris, 18-leaf
82003 Safety cable, 18" (457mm)

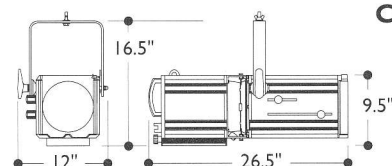
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SPOTLIGHTS

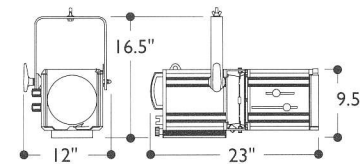
CANTATA™ 1000W



Cantata 11/26



Cantata 18/32



Cantata 26/44

A GUIDE TO SYMBOLS AND ABBREVIATIONS

GENERAL W Supply voltage A Current rating in amps W Weight of product ▣ Overall dimension of product ▣ Packed weight ▣ Packed volume ✓ Compliance with safety standards. W Watts (maximum recommended) < Beam angle (Half-peak angles for Fresnels and PC. Field angles for ellipsoidal spotlights). ◀ Throw (usual working distance from subject in feet). * Illuminance (maximum FC at throw distance stated with lamp recommended) ⊕ Gobo (Pattern) size. B = Continental 'B' size, 86mm dia, 64.5mm image X Color filter frame size IP International Protection standard

- High quality variable focus axial ellipsoidal spotlights
- For theatres, concert halls and touring shows
- Rotatable gate with four shutters and pattern slot
- Easy access for lens cleaning
- Supplied in black finish with color frame, mounting yoke with C-clamp, and 3' (1.0m) power cable with bare leads or connector specified
- Can be used for 220V operation

Photometric Data

Typical performance based on FEL 1000W 120V lamp

Peak Distribution (FC)

Throw (ft)	10	15	20	25	30	35	40
11° - 26° (N)				397	275	202	155
11° - 26° (W)			335	214	149	109	
18° - 32° (N)			428	274	190	140	
18° - 32° (W)		356	200	128	89		
26° - 44° (N)			220	141	98	72	
26° - 44° (W)	480	213	120	76			

Ø Beam Diameter (ft) for Projected Throw in Feet

Throw (ft)	5	10	15	20	25	30	35	40
11° - 26° (N)					4.8	5.7	6.7	7.7
11° - 26° (W)				9.2	11.5	13.8	16.2	
18° - 32° (N)				6.4	8.0	9.6	11.1	
18° - 32° (W)			8.6	11.4	14.3	17.2		
26° - 44° (N)				9.2	11.5	13.8	16.2	
26° - 44° (W)		8.1	12.2	16.2	20.2			

Peak Intensity, Half Peak, and Cut-off Angles

	1/2 Peak	Cut-off	Peak Candela
11° - 26° (N)	10.9	11.0	248000
11° - 26° (W)	13.5	26.0	134000
18° - 32° (N)	12.5	18.0	171000
18° - 32° (W)	17.1	32.0	80000
26° - 44° (N)	18.3	26.0	88000
26° - 44° (W)	23.4	44.0	48000

For performance of any luminaire in either N or W divide Candela by Distance²**Lamp Data**

Specify lamps for replacement to the following specifications

Volts	120V	120V	120V	120V	230V
Watts	1000	575	750	500	1000
Designation (ANSI Code)	FEL	FLK/FLKLL	EHF/EHG	EHC(EHB)EHD	CP77
Base	G9.5	G9.5	G9.5	G9.5	G9.5
Lumens	27500	16500/12800	20400/15400	13000/10600	25000
Rated Life-Hrs	300	300/1500	300/2000	200/2000	300
Color Temp	3200K	3200K/2900K	3200K/3000K	3200K/3000K	3200K
Performance Multiplication Factor	1	.7/55	.8/55	.5/38	.9

Electrical Data

Supply Volts	120/220V
Max Lamp Watts	1000W
Lamp Type/Socket	TP 22 Medium 2-pin
Cable/connections	3 x 3ft MGGT Leads in glass fiber sleeve which is strain relieved in rear plastic handle.
Standards Compliance	Designed to conform to EN 60 598 2-17.

Environmental Data

Max Operating Ambient Temp	115°F.
Max Surface Temp	470°F.
IP Rating	IP20.
Tilt/Recommended angles of use	+45° 0 -90°.

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Mechanical Data

Paint/Finish	High temperature stoved epoxy powder coat in black.
Lamp House Construction	Pressure diecast aluminum rear panel, aluminum sides and slotted top panels for ventilation. Removable extruded aluminum lamp assembly retained by 1/4 turn fastener.
Lens Tube	Extruded aluminum side panels with pressed steel rear plate, steel top and bottom panels and diecast front panel with extruded aluminum color runners. Pressed steel lens carriers mounted on diecast sliders running in extruded slot inside panel. Lens tube assembly mounted to gate assembly by four bolts into four keyhole slots and fitted/removed by twist action allowing easy exchange of lens tube. Spring device prevents accidental removal.
Mounting and Suspension	Aluminum alloy yoke with malleable iron C-clamp. Yoke position can be adjusted along lens tube or lamp house mounting slot.
Rear handle	Vertical, heat insulated handle on rear of lamp housing.

Weights and Dimensions

	11/26	18/32	26/44
Weight	28.16lb	26.4lb	24.2lb
Length	36.0"	30.4"	26.25"
Width	11.8"	11.8"	11.8"
Height	16.5"	16.5"	16.5"
Packed weight	35.5lb	33lb	30lb
Packed length	37.8"	32.3"	28.75"
Packed width	15.3"	15.3"	15.3"
Packed height	15.3"	15.3"	15.3"
Filter Cut Size	7 1/2" x 7 1/2"		
Color runner	Metal color frame, 7 1/2" x 7 1/2", fits integral diecast runners with retention spring for single handed insertion and removal.		
Optical system	Light collimated through gate using faceted near ellipsoidal reflector of polished anodised aluminum. Image at gate projected using two zoom plano-convex lenses.		
Reflector	6"Ø near ellipsoidal reflector of high reflectivity anodised aluminum.		
Lens(es)	11/26 7" & 4 3/4"Ø	18/32 7" & 4 3/4"Ø	26/44 6" & 4"Ø
	Lenses of heat resistant clear borosilicate glass mounted in pressed steel on diecast aluminum carriers which slide smoothly on bearing rods.		
Pattern/Gobo Size	B		

Operational Data

Lamp access	Removable lamp assembly provides access to lamp.
Lens access	Sliding top covers open for complete access to lenses for cleaning and maintenance.
Focus adjustment	Lens position adjusted by twist locking handles at side of lens tube. Focus setting indication is provided.
Field adjustment	Peaky to flat field adjustment is by rotary knob on rear panel.
Lamp alignment	Alignment of lamp on optical axis is by two screwdriver adjustments on rear panel.
Beam shaping	Four removable beam shaping shutters of steel alloy and fitted in diecast gate assembly which is rotatable through 360 degrees. Gate accepts 18-leaf iris or pattern holder accessories.
Tilt	Adjustment by means of pivots on either side of yoke, locked by T-handle on interlocking spring cup and disk mechanism.
Pan	Pivot around stud through centre of yoke, locked off by locking bolt on C-clamp.

**Strand Lighting**

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