



Strand Lighting

P R O D U C T D A T A

### Polaris Fresnel

Compact tungsten-halogen fresnel designed to take CP40 1000W lamp but can also accept CP93 1200W and CP39 650W lamps. 150mm lens gives beam range of 9°-59.5°. Unit can be supplied as manual operated or with pole operation of pan, tilt and focus. Supplied with barndoor, colour/diffuser frame, on/off toggle switch and 7 metres of 3-core 1.5mm<sup>2</sup> cable.

⚡ 1200W ⚡ 230/240V ◡ 9°-59.5° ⚖ 6kg  
 ✱ 1950 Lux ◀ 8m ✕ 230mm 📦 10.5kg 📦 0.07m<sup>3</sup>  
 ✓ EN60 598 2-17

#### Cat. No. Description

26280	Polaris 1000W, Manual Operation
26290	Polaris 1000W, Pole Operation

### Polaris Accessories

#### Cat. No. Description

43934	1200W 240V CP93 lamp
43933	1200W 230V CP93 lamp
43404	1000W 240V CP40 lamp
43043	1000W 230V CP40 lamp
43394	650W 240V CP39 lamp
43393	650W 230V CP39 lamp
28305	Scrim set No.5 (full & half 50%; full & half 66%)
28083	Cone 55mm
28084	Cone 75mm
28085	Cone 105mm
28086	Additional colour frame
28110	Additional 4-leaf rotating barndoor
28111	Barndoor 8-leaf rotating
82002	Safety bond, 50kg
82012	Hook clamp to accept 29mm spigot (50mmØ barrel)
82013	Hook clamp to accept 29mm spigot (32-62mmØ barrel)81011
Hercules stand, black, with castors	
81022	Atlas folding stand

### Castor Fresnel

Popular general purpose keylight and backlight in manual or pole operated variants. Designed for 2000W CP41 lamp but can also take 2500W CP 94.

Dual wattage variant is available with 4-pin lampholder to take CP30 (1.25kW/1.25kW) lamp. The two 1.25kW filaments may be separately switched to provide 1.25kW or 2.5kW. Available in manual or pole operated variants.

Supplied with barndoor, colour/diffuser frame, rotary power switch and 7 metres of 3-core cable.

⚡ 2500W ⚡ 230/240V ◡ 8.5°-45° ⚖ 13.5kg  
 ✱ 1900 Lux ◀ 14m ✕ 320mm dia. 📦 17.5kg  
 📦 0.118m<sup>3</sup> ✓ EN60 598 2-17

#### Cat. No. Description

26300	Castor 2000W, Manual Operation
26310	Castor 2000W, Pole Operation
26320	Castor 1.25/2.5kW, Manual Operation
26330	Castor 1.25/2.5kW, Pole Operation

### Castor Accessories

#### Cat. No. Description

43944	2500W 240V CP94 lamp
43943	2500W 230V CP94 lamp
43414	2000W 240V CP41 lamp
43413	2000W 230V CP41 lamp
43304	1.25/1.25kW 240V CP30 lamp
43303	1.25/1.25kW 230V CP30 lamp
28306	Scrim set No.6 (full & half 50%; full & half 66%)
28090	Cone 110mm
28091	Cone 150mm
28092	Cone 195mm
28093	Additional colour frame
28072	Outrig colour frame
28070	Additional 4-leaf rotating barndoor
28071	Barndoor 8-leaf rotating
82012	Hook clamp to accept 29mm spigot (50mmØ barrel)
82013	Hook clamp to accept 29mm spigot (32-62mmØ barrel)
82002	Safety bond, 50kg
81011	Hercules stand, black, with castors
81022	Atlas stand with castors

### Pollux Fresnel

Powerful lightweight Fresnel suitable for studio or location lighting in Motion Picture or Television.

Dual wattage variant is available with 4-pin lampholder to take CP32 (2.5kW/2.5kW) lamp. The two 2.5kW filaments may be separately switched to provide 2.5kW or 5kW. A CP58 lamp (1.25kW plus 2.5kW filament) may be used to give switchable 1.25kW, 2.5kW or 3.75kW output. The CP30 (two 1.25kW filaments) is also compatible.

Available in manual or pole operated variants. Supplied with barndoor, colour/diffuser frame, wire guard, rotary power switch and 7 metres of 3-core cable.

⚡ 5000W ⚡ 230/240V ◡ 12.5°-56.5° ⚖ 16.5kg  
 ✱ 1850 Lux ◀ 17m ✕ 405mm dia. 📦 22kg  
 📦 0.159m<sup>3</sup> ✓ EN60 598 2-17

#### Cat. No. Description

26340	Pollux 5000W, Manual Operation
26350	Pollux 5000W, Pole Operation
26360	Pollux 2.5/2.5kW, Manual Operation
26370	Pollux 2.5/2.5kW, Pole Operation

### Pollux Accessories

#### Cat. No. Description

43294	5000W 240V CP29 lamp
43293	5000W 230V CP29 lamp
43324	2.5/2.5kW 240V CP32 lamp
43323	2.5/2.5kW 230V CP32 lamp
43584	1.25/2.5kW 240V CP58 lamp
43583	1.25/2.5kW 230V CP58 lamp
43304	1.25/1.25kW 240V CP30 lamp
43303	1.25/1.25kW 230V CP30 lamp

## A GUIDE TO SYMBOLS AND ABBREVIATIONS

**GENERAL** ⚡ Supply voltage ⚡ Current rating ⚖ Weight of product 📦 Packed weight 📦 Packed volume  
 📦 Overall dimension of product ✓ Compliance with international standards. ⚡ Watts (maximum recommended) ◡ Beam angle ◀ Throw (usual working distance from subject in metres) ✱ Illuminance (maximum Lux at throw distance stated with lamp recommended or supplied) ✕ Colour filter cut size  
 IP International Protection (Ingress protection standard for dust, solids and moisture) IEC529

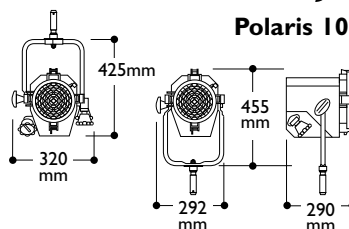
# 2.1.2

## STUDIO FRESNELS

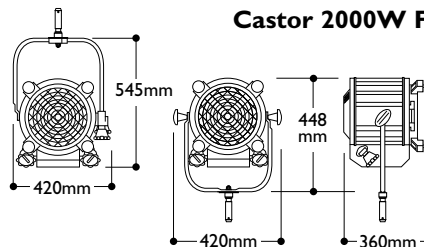
# FRESNELS

## 1000W, 2000W, 5000W, 10000W

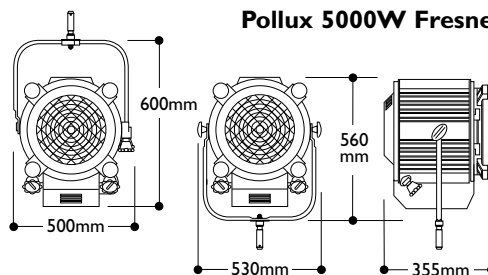
### Polaris 1000W Fresnel



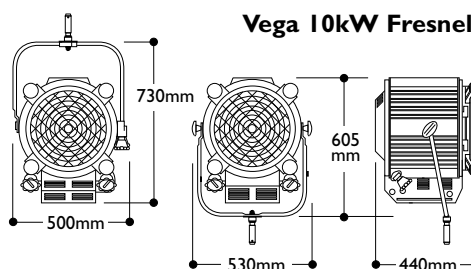
### Castor 2000W Fresnel



### Pollux 5000W Fresnel



### Vega 10kW Fresnel



- A range of incandescent fresnels designed for studio use but equally at home on location
- Manual or Pole-operated versions available
- Pole operated versions include friction clutches to allow override of pan and tilt as well as pole operation of focus and switching (2000W and above)
- High quality optical design to give excellent smooth beam over a wide range of beam angles
- Castor and Pollux available with dual-filament lamps with pole operated switching of each filament
- All units have easy access to lamps for replacement
- Polaris and Castor also take alternative higher wattage lamps
- Stirrups fitted with 29mm spigot to hang from BS or DIN receptacles, or for stand-mounting

Pollux Accessories	
Cat. No.	Description
28307	Scrim set No.7 (full & half 50%; full & half 66%)
28094	Cone 155mm
28095	Cone 225mm
28096	Cone 275mm
28097	Additional colour frame
28077	Outrig colour frame
28074	Additional 4-leaf rotating barndoor
28075	Barndoor 8-leaf rotating
82002	Safety bond, 50kg
82012	Hook clamp to accept 29mm spigot (50mmØ barrel)
82013	Hook clamp to accept 29mm spigot (32-62mmØ barrel)
81011	Hercules stand, black, with castors
81022	Atlas stand with castors
81015	Goliath stand, black

cable. Requires a CP83 10kW lamp.

10,000W 
 230/240V 
 12.5° - 47° 
 24kg 
 1950 Lux 
 22m 
 405mm 
 31kg 
 0.245m³ 
 EN60 598 2-17

Cat. No.	Description
26380	Vega 10kW, Manual Operation
26390	Vega 10kW, Pole Operation

Vega Accessories	
Cat. No.	Description
43834	10kW 240V CP83 lamp
43833	10kW 230V CP83 lamp
28307	Scrim set No.7 (full & half 50%; full & half 66%)
28094	Cone 155mm
28095	Cone 225mm
28096	Cone 275mm
28097	Additional colour frame
28077	Outrig colour frame
28074	Additional 4-leaf rotating barndoor
28075	Barndoor 8-leaf rotating
82002	Safety bond, 50kg
82012	Hook clamp to accept 29mm spigot (50mmØ barrel)
82013	Hook clamp to accept 29mm spigot (32-62mmØ barrel)

**Vega Fresnel**  
High-wattage studio Fresnel for Motion Picture and Television applications in studios or on location. Available in manual or pole operated variants. Supplied with barndoor, colour/diffuser frame, rotary power switch, and 7 metres of 3-core

**Photometric Data**

Typical performance with 1000W CP40 240V lamp  
**Polaris 1000W**

Throw (metres)	3		6		9		12	
	Lux	Ø	Lux	Ø	Lux	Ø	Lux	Ø
<b>Flood 59.5°</b>	1988	3.3	497	6.8	220	10.2		
<b>Spot 9°</b>			3416	0.94	1518	1.41	854	1.88

Flood: Performance at any distance 17900 ÷ Distance<sup>2</sup>  
Spot: Performance at any distance 123000 ÷ Distance<sup>2</sup>

Typical performance with 2000W CP41 240V lamp  
**Castor 2000W**

Throw (metres)	5		10		15		20	
	Lux	Ø	Lux	Ø	Lux	Ø	Lux	Ø
<b>Flood 45.5°</b>	1972	4.2	493	8.3	220	12.5		
<b>Spot 8.5°</b>			3470	1.48	1542	2.22	867	2.97

Flood: Performance at any distance 49300 ÷ Distance<sup>2</sup>  
Spot: Performance at any distance 347000 ÷ Distance<sup>2</sup>

Typical performance with 5000W CP29 240V lamp  
**Pollux 5000W**

Throw (metres)	10		15		20		25	
	Lux	Ø	Lux	Ø	Lux	Ø	Lux	Ø
<b>Flood 56.5°</b>	1010	10.7	448	16.1	252	21.5	162	26.8
<b>Spot 12.5°</b>			2377	3.28	1337	4.38	856	5.47

Flood: Performance at any distance 101000 ÷ Distance<sup>2</sup>  
Spot: Performance at any distance 535000 ÷ Distance<sup>2</sup>

Typical performance with 10kW CP83 240V lamp  
**Vega 10kW**

Throw (metres)	10		20		30		40	
	Lux	Ø	Lux	Ø	Lux	Ø	Lux	Ø
<b>Flood 47°</b>	1800	8.7	450	17.3	200	26.0		
<b>Spot 12.5°</b>			2350	4.38	1045	6.57	587	8.76

Flood: Performance at any distance 180000 ÷ Distance<sup>2</sup>  
Spot: Performance at any distance 940000 ÷ Distance<sup>2</sup>  
Ø Beam diameter in metres



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Lamp Data					
	Polaris		Castor		
Watts	1000W	1200W	2000W	2500W	1250/1250W
<b>Designation</b>	CP40	CP93	CP41	CP94	CP30
<b>Base</b>	G22	G22	G38	G38	GX38q
<b>Lumens</b>	26000	33000	54000	67500	27000/56000
<b>Rated Life-Hours</b>	250	200	400	400	300

	Pollux			Vega
Watts	5000W	2500/2500W	1250/25000W	10000W
<b>Designation</b>	CP29	CP32	CP58	CP83
<b>Base</b>	G38	GX38q	GX38q	G38
<b>Lumens</b>	135000	59000/127000	27000/59000/91000	290000
<b>Rated Life-Hrs</b>	500	300		500
<b>Colour Temp</b>	All 3200K			

Specify voltage when ordering

Electrical Data	
<b>Supply Voltage</b>	230V or 240V 50Hz
<b>Switching and Power</b>	Polaris : Head-mounted toggle switch. 7m 3 x 1.5mm <sup>2</sup> toughened rubber cable. Castor: Rotary power switch on head. 7m 3 x 2.5mm <sup>2</sup> toughened rubber cable. Pollux: Rotary power switch on head. 7m 3 x 4.0mm <sup>2</sup> toughened rubber cable. Vega: Rotary power switch on head. 7m 3 x 10.0mm <sup>2</sup> toughened rubber cable.

**Standards Compliance** EN60 598 2-17.

Environmental Data	
<b>Max Operating Ambient Temp</b>	45°C
<b>IP Rating</b>	IP20
<b>Tilt/Recommended angles of use</b>	+90° - 0 - 90° Polaris, Castor, Pollux +45° - 0 - 45° Vega only

Mechanical Data	
<b>Paint/Finish</b>	Black powder coated epoxy paint with special extra high temperature treatment in critical areas.
<b>Lamp House</b>	Pressed steel welded and riveted construction incorporating heat and light baffles and specially developed ventilation systems to ensure correct lamp operation and rain proofing.
<b>Lens</b>	Heat resistant borosilicate. Polaris 150mm, Castor 250mm, Pollux 300mm, Vega 350mm.
<b>Reflector</b>	Spherical anodised aluminium reflectors optimised for each lamp/lens combination.
<b>Mounting Suspension</b>	Tubular steel stirrup assembly with 29mm spigot. PO stirrup includes geared drive of pan and tilt.

Weights and Dimensions			
	Polaris	Castor	Pollux Vega
<b>Weight (Manual Op.)</b>	7.0kg	13.5kg	18.5kg 26.5kg
<b>Weight (Pole Op.)</b>	8.0kg	14.5kg	19.5kg 28.0kg
<b>Length</b>	290mm	360mm	355mm 440mm
<b>Width</b>	320mm	420mm	500mm 530mm
<b>Height</b>	425mm	448mm	560mm 605mm
<b>Accessory size</b>	230mm	320mm	405mm 405mm

Operational Data	
<b>Lamp Access</b>	Through hinging lens door.
<b>Beam Adjustment</b>	By 4-leaf rotating barn door.
<b>Focus Adjustment</b>	By rotary control.
<b>Tilt Adjustment</b>	By heat insulated lock handle or pole operated cup.
<b>Accessory Fitting</b>	Roller wheels with spring loaded retention and auxiliary safety hook lock. (Polaris only: uses cast aluminium ears).

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