

The weatherproof  
daylight system

**kobold**  
by bron



# THE DW SYSTEM

## Weatherproof, multifunctional, compact.

kobold, the world's leading manufacturer of weather-proof (IP 54), multifunctional daylight systems, is rounding out its product line, which now includes the DW 200, DW 400, and DW 800 fixtures. Compatible ballast units include the EWB 200, and the EWB 400.575.800. The BB 200 ballast is suitable for on-location work. The fixtures can accommodate interchangeable reflectors and many light modifying accessories according to the respective requirements.

Depending on the mounted reflectors or adapters, the DW fixtures are fully-fledged Open Face, PAR, or soft Lights, including Litepipe. These conversions are easily made without tools. The innovative bayonet interface also makes it possible to convert the widely spread ETC® Source Four™ into a daylight profile spot. IP 54 weather-resistance complements its unique features, making the DW line the ultimate daylight solution for a variety of applications.

The key features of the kobold range of products include rugged design and maximized reliability even under extreme weather conditions. The kobold daylight system complies with the most stringent safety standards. Electronically monitored safety switches, safety glass or protective cap, hermetically sealed igniter, heat-resistant ceramic UV-safety glass, electronic temperature management, visual verification of power supply and protective earth with LED display and reinforced electrical insulation.





# Contents



<b>DW 200</b>	Introduction	05
	The DW 200 system	06
	Technical data	07
	Lamp base, reflectors and accessories	08
	Softbox adapter, Para and Source Four™	09
	Photometrics and broncolor adapter	10
	Ballast units and Kits	11



<b>DW 400</b>	Introduction	13
	The DW 400 system	14
	Technical data	15
	Lamp base, reflectors and accessories	16
	Litepipe, Softbox adapter and Para 220 FB	17
	Photometrics, Source Four™	18
	and broncolor adapter	18
	Ballast unit and Kits	19



<b>DW 800</b>	Introduction	21
	The DW 800 system	22
	Technical data	23
	Lamp base, reflectors and accessories	24
	Softbox adapter and ballast unit	25
	Photometrics and Kits	26



Photo by Mario Perez





# DW 200 The world's smallest weatherproof daylight fixture.

To meet all requirements, the extremely compact and focusable 200 watt kobold DW 200 daylight fixture can be fitted with an Open Face reflector, PAR reflector, or an adapter for softboxes. With the selected attachment, the fixture is transformed into a fully-fledged Open Face, PAR, or soft diffused source with softbox or lantern. Thanks to an unique bayonet with a click-lock mechanism, the conversion is fast and requires no tools. The optimized design of the reflectors delivers a high light output and uniformity of illumination. An optionally available adapter provides the opportunity to crossover to most of the broncolor reflectors. The ergonomically positioned knob allows focusing from 14-51°. Rugged design, compact dimensions, and maximized operating reliability for all studio and on-location assignments are among the key features of this daylight fixture. The housing is made of high-strength aluminium

and is equipped with a socket for single-ended, high-efficiency HMI/HR lamps. The igniter is hermetically sealed to allow cold and hot starts even in humid surroundings. Other features include low weight and compact dimensions, stray-light-free, heat-resistant ceramic UV-safety glass, comprehensive line of accessories, protection class IP54 (with reflector mounted).

## Application spectrum

With appropriate reflectors or adapters, the focusable, weatherproof multipurpose DW 200 fixture can be employed as a fully-fledged Open Face, PAR or area light with a softbox or lantern. Fitted with an Open Face and PAR reflector, it complies with protection class IP 54 and is eminently suitable for all indoor and outdoor broadcast and production applications, even in wet surroundings.

- Multifunctional
- Weatherproof (IP 54)
- Suitable for all indoor and outdoor applications
- High light output
- Optimized stray-light-free accessories
- Uniform illumination
- Constant colour temperature
- Instant hot striking
- Compact and lightweight
- Flicker-free
- Dimmable with kobold electronic ballast units weatherproof daylight lamp.



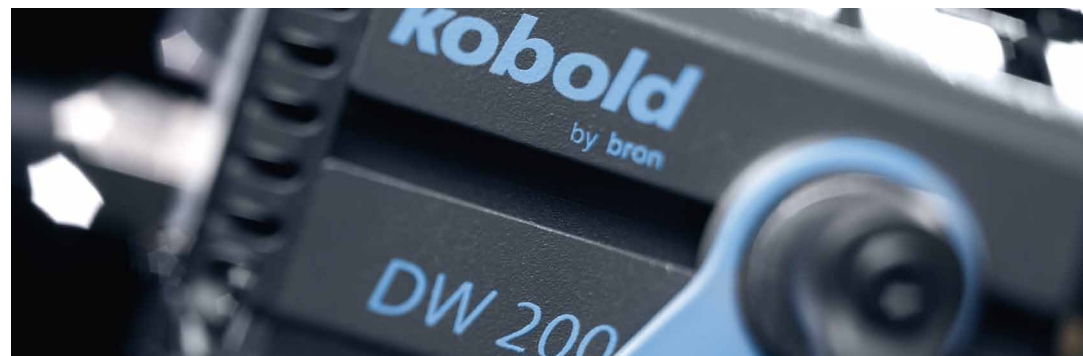
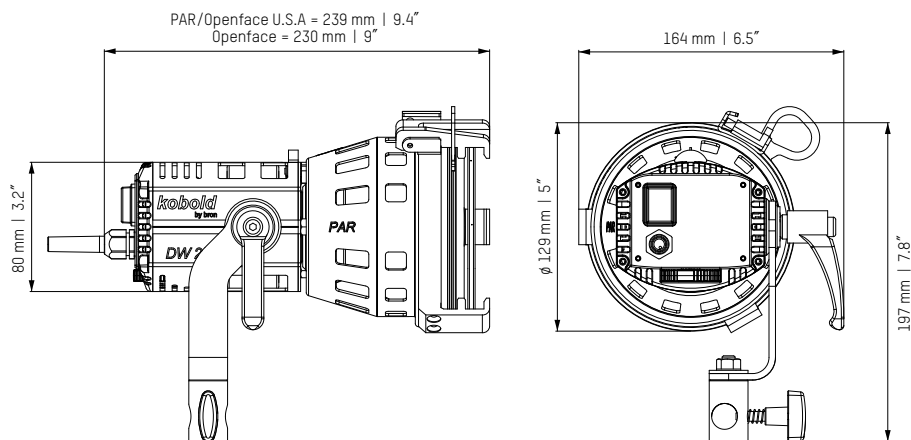
# DW200 | The system



- 01 **332-0122** Lamp base DW 200
- 02 **633-U001** 200 W HMI hr lamp
- 03 **741-0710** Handle with spigot Ø 16 mm | 5/8"
- 04 **742-0624** Head extension cable, 5 m (16.4 ft)
- 05 **742-0150-2** Electronic ballast unit EWB 200
- 06 **741-0700** Stand mount
- 07 **742-0193** Battery ballast unit BB 200/C
- 08 **741-0574** Reflector Open Face
- 09 **741-0575** Reflector PAR
- 10 **741-0752** 4-leaf barn door for Open Face | PAR reflector
- 11a **713-0718** PAR lens super spot
- 11b **713-0719** PAR lens medium spot
- 11c **713-0720** PAR lens medium wide
- 11d **713-0721** PAR lens super wide
- 12a **744-U011** 5" full single scrim
- 12b **744-U012** 5" full double scrim
- 13 **744-0169** Screen ring
- 14 **713-0515** Diffusion filter
- 15 **713-0514** Conversion filter 3200 K
- 16 **713-0544** Fresnel lens
- 17 **763-0312** Bag for 5 lenses
- 18 **744-0522** Adapter for Para 220 FB
- 19a **741-0549** Para 170 FB
- 19b **741-0550** Para 220 FB
- 20 **744-0298** Softbox adapter for Ø 130 mm | 5" speed rings
- 21 **743-U017** 5" circular speed ring
- 22 **VARIOUS** Pancake lantern, Chimera
- 23 **VARIOUS** Softbox, Chimera
- 24 **633-6010** Extension for lamp socket GZY9.5 (200 W)
- 25 **633-5465** Daylight lamp 200 W "all frosted"
- 26 **744-0510** HMI adapter for DE/DW 200 for ETC® Source Four™
- 27 **ETC® Source Four™**
- 28 **33.502.00** broncolor adapter
- 29 **741-0548** Para 88 D kit

# DW 200 | Technical data

DW 200	
Lamp output	200 Watt
Lamp socket	GZY 9.5
Focus range with Open Face reflector	14° - 51°
Light output	
Open Face reflector (3 m   9.8 ft)	Spot 8100 lux   753 fc Flood 1675 lux   156 fc
PAR reflector 6° without PAR lens (3 m   9.8 ft)	44940 lux   4175 fc
PAR reflector with super spot lens 11° (3 m   9.8 ft)	● 15040 lux   1397 fc
PAR reflector with medium spot lens 11° x 17° (3 m   9.8 ft)	● 11800 lux   1096 fc
PAR reflector with medium wide lens 19° x 50° (3 m   9.8 ft)	● 2780 lux   258 fc
PAR reflector with super wide lens 56° (3 m   9.8 ft)	● 1080 lux   100 fc
PAR reflector with frosted Fresnel lens 37° (3 m   9.8 ft)	Spot 1285 lux   119 fc Flood 555 lux   52 fc
Safety class	I
Protection degree (with mounted reflector)	IP 54   EN 60529
Dimensions L x W x H (without reflector)	130 x 142 x 142 mm   5.1 x 5.6 x 5.6"
Weight without reflector	1.2 kg   2.7 lbs
Head cable length	5 m   16.4 ft
Stand connection	16 mm   5/8"
Protection class	EN 60529, EN 60598
EC Directives	73/23/CEE, 89/336/CEE



## DW200 | Lamp base, reflectors and accessories



### Lamp base DW 200

Because of its compact design, this lamp base is the world's smallest 200 W daylight fixture. It is the perfect tool for mobile assignments, thanks to its low weight, versatility, and weather-resistance.

Art. ref.	332-0122
Dimensions L×W×H	130 × 142 × 142 mm 5.1 × 5.6 × 5.6"
Weight	1.2 kg   2.7 lbs

### Accessories

#### Head extension cable

5 m | 16.4 ft  
742-0624



#### Handle with spigot

Ø 16 mm | 5/8"  
741-0710



### Reflector Open Face

Structured reflector with even, rotationally symmetric illumination, light control with conversion and diffusion filters.

Art. ref.	741-0574
Dimensions	118 × Ø 140 mm 4.5 × Ø 5.5"
Weight	0.34 kg   0.75 lb

### Accessories

#### 4-leaf barn door

741-0752



#### Diffusion filter

713-0515



#### Conversion filter 3200 K

713-0514



#### Screen ring

744-0169



### Reflector PAR

High light output, narrow beam angle, for direct or bounce lighting, and in conjunction with the PAR lenses when advanced light control is required.

Art. ref.	741-0575
Dimensions	121 × Ø 140 mm 4.8 × Ø 5.5"
Weight	0.35 kg   0.77 lb

### Accessories

#### 4-leaf barn door

741-0752



#### PAR Lens Set

713-0546 (4 pieces)



#### Scrims 5"

Full single: 744-U011  
Full double: 744-U012



### Fresnel Lens

Frosted Fresnel lens for PAR reflector to provide soft diffused and focusable light quality.

Art. ref.	713-0544
Dimensions	13 × Ø 130 mm 0.5 × Ø 5.0"
Weight	0.21 kg   0.46 lb

### Accessories

#### Bag for 5 lenses

763-0312





## DW200 | Softbox adapter, Para and Source Four™



### Softbox adapter

The Softbox adapter and a Speed Ring\* can be used to attach a Softbox or lantern. The entire light output of the Softbox is collected. This generates a soft, even light.

\*The Speed Ring can also be mounted directly on the Open Face or PAR reflector.

Art. ref.	744-0298
Dimensions L×W×H	79 × 133 × 137 mm 3.1 × 5.2 × 5.4"
Weight	0.27 kg   0.6 lb

### Accessories

#### Chimera Speed Ring

130 mm | 5"  
743-U017



#### Pancake Lantern Chimera

S Chimera Pancake Lantern  
743-U020



#### Softbox Video Pro Chimera

XXS Chimera Video Pro  
743-U019  
XS Chimera Video Pro  
743-U001



### ETC® Source Four™

The DW 200 lamp can now be adapted to the world-famous ETC® ellipsoidal. The use of the 3 components shown delivers optimised illumination.

### Accessories

#### HMI adapter

for DE/DW 200  
744-0510



<b>Set I</b>	<b>744-0520</b>
HMI adapter DE/DW 200	744-0510
Extension for lamp socket	633-6010

#### Extension

for lamp socket  
633-6010



<b>Set II</b>	<b>744-0521</b>
HMI adapter DE/DW 200	744-0510
Extension for lamp socket	633-6010
Lamp 200 W "all frosted"	633-5465

#### Lamp 200 W "all frosted"

633-5465



### Para 170 FB / 220 FB

The 24 segments of the Para 170 FB / 220 FB not only produce light but also provide creative freedom. Surfaces and shapes of all kind adopt a unique sheen and spring to life.

	Para 170 FB	Para 220 FB
Art. ref.	741-0549	741-0550
Dimensions	Ø 170 × 125	220 × 160 cm
open	Ø 67 × 49"	86 × 63"
Dimensions	Ø 28 × 95 cm	28 × 120 cm
folded	Ø 11 × 37"	11 × 47"
Weight	9.1 kg   20 lbs	8.7 kg   19 lbs

### Accessories

#### Adapter for Para 170/220 FB

744-0522



#### Tilt head

with crank handle  
33.477.00



#### Soft Egg Crate™

##### Para 170 FB:

9 × 9 × 7.5 cm  
3.5 × 3.5 × 3"  
743-U060

##### Para 220 FB:

9 × 9 × 7.5 cm  
3.5 × 3.5 × 3"  
743-U060



### Para 88 D kit umbrella

The source is situated on a moveable axis in the centre of the reflector. In spot position, there is a narrow beam angle with highly intense, defined illumination. In flood position, a wider beam angle creates diffuse, evenly spread illumination.

Art. ref.	741-0548
Dimensions* open	Ø 85 × 107 cm   33 × 42"
Dimensions* folded	Ø 32 × 107 cm   12 × 42"
Weight	9.1 kg   20 lbs

\*Dimensions with focusing system, without stand

#### Kit consists of

Reflector 24 segments  
Focus device  
Adaptor for DW 200 / DW 400  
Soft case with rollers

# DW200 | Photometrics and broncolor adapter

## Photometrics\*\*



Reflector Open Face 200 W

Distance	Spot 14°	Flood 51°
2 m 6.6 ft	18225 Lux   1693 fc	3769 Lux   350 fc
3 m 9.8 ft	8100 Lux   753 fc	1675 Lux   156 fc
5 m 16.4 ft	2924 Lux   272 fc	605 Lux   56 fc
10 m 32.8 ft	729 Lux   68 fc	151 Lux   14 fc



Reflector PAR 200 W without lens

Distance	Spot 6°
2 m 6.6 ft	100115 Lux   9301 fc
3 m 9.8 ft	44940 Lux   4175 fc
5 m 16.4 ft	16224 Lux   1507 fc
10 m 32.8 ft	4045 Lux   376 fc



PAR 200 W with Fresnel lens

Distance	Spot 37°	Flood 75°
2 m 6.6 ft	2891 Lux   268 fc	1249 Lux   116 fc
3 m 9.8 ft	1285 Lux   119 fc	555 Lux   51 fc
5 m 16.4 ft	464 Lux   43 fc	200 Lux   18 fc
10 m 32.8 ft	116 Lux   11 fc	50 Lux   5 fc



PAR 200 W with super spot lens ●

Distance	Spot 11°
2 m 6.6 ft	33840 Lux   3144 fc
3 m 9.8 ft	15040 Lux   1397 fc
5 m 16.4 ft	5430 Lux   504 fc
10 m 32.8 ft	1354 Lux   126 fc



PAR 200 W with medium spot lens ●

Distance	Spot 11 × 17°
2 m 6.6 ft	26550 Lux   2466 fc
3 m 9.8 ft	11800 Lux   1096 fc
5 m 16.4 ft	4260 Lux   396 fc
10 m 32.8 ft	1062 Lux   99 fc



PAR 200 W with medium wide lens ●

Distance	Spot 19 × 50°
2 m 6.6 ft	6255 Lux   581 fc
3 m 9.8 ft	2780 Lux   258 fc
5 m 16.4 ft	1004 Lux   93 fc
10 m 32.8 ft	250 Lux   23 fc



PAR 200 W with super wide lens ●

Distance	Spot 56°
2 m 6.6 ft	2430 Lux   226 fc
3 m 9.8 ft	1080 Lux   100 fc
5 m 16.4 ft	390 Lux   36 fc
10 m 32.8 ft	97 Lux   9 fc

\*\* All photometric images are an illustrated representation only



## broncolor adapter for DW200 and DW400

This multipurpose adapter is both an attachment for a standard Chimera speedring as well as a broncolor Pulso Mount adapter. This adapter allows the use of a wide range of light modifiers from both Chimera and broncolor to open up new lighting possibilities for both still and motion image makers. The adapter provides full UV protection. This adapter is optimized for the DW 400 but is also compatible with the DW 200.

Art. ref.	33.502.00
Dimensions (W × H × D)	183 × 180 × 116 mm (7.2 × 7.0 × 4.5")
Weight	580 g (1.3 lb)
Scope of delivery	broncolor adapter incl. built-in UV safety glass









# DW 400 An all-purpose lamp.

Depending on requirements, the kobold DW 400, an extremely compact, focusable 400 watt daylight fixture, can be equipped with different reflectors or adapters to accommodate softboxes. With the selected attachment, the fixture is transformed into a fully-fledged Open Face, PAR, or soft diffused source with softbox or lantern, including Litepipe. An optionally available adapter provides the opportunity to crossover to most of the broncolor reflectors or, the DW 400 can also be used as a light source for ETC® Junior™ and 750 Source Four™ profile spot. Thanks to a click-lock mechanism, the conversion is fast and requires no tools. The optimized design of the reflectors delivers a high light output and even illumination. The key assets of these fixtures are rugged design, compact dimensions, and maximized operating reliability for all studio and on-location assignments. The housing is made of high-strength

aluminium and is equipped with a socket for single-ended, high-efficiency HMI/HR lamps. The igniter is hermetically sealed to allow cold and hot starts even in wet surroundings. Other features include low weight, stray-light-free, heat-resistant ceramic safety glass, comprehensive line of accessories, protection class IP54 (with reflector mounted).

## Application spectrum

Depending on the requirements, the focusable, weatherproof multipurpose DW 400 fixture can be employed as a fully-fledged Open Face, PAR or area light with a softbox or lantern, or as a light source for ETC® Junior™ and 750 Source Four™ profile spot. Fitted with an Open Face and PAR reflector, it complies with protection class IP 54 and is eminently suitable for all indoor and outdoor broadcast and production applications, even in wet surroundings.

- Multifunctional
- Weatherproof (IP 54)
- Suitable for all indoor and outdoor applications
- High light output
- Optimized stray-light-free accessories
- Uniform illumination
- Constant colour temperature
- Instant hot striking
- Compact and lightweight
- Dimmable with kobold electronic ballast units

# DW 400 | The system

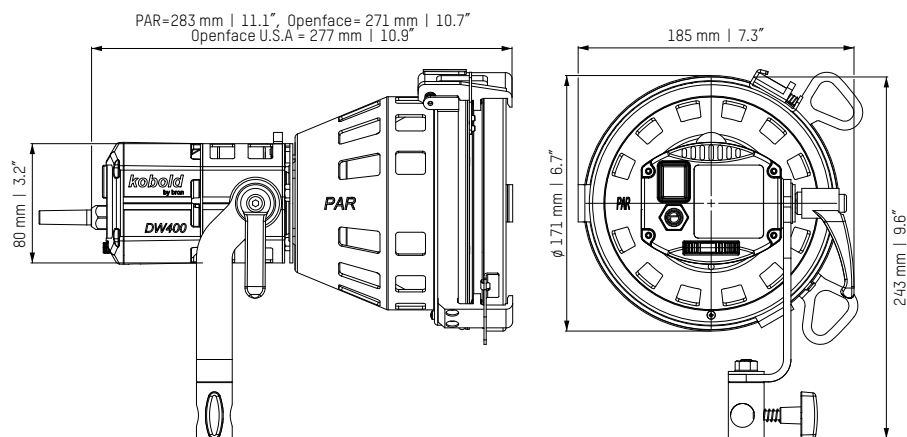


- 01 **332-0145** Lamp base DW 400
- 02 **633-U002** 400 watt HMI hr Lamp
- 03 **741-0710** Handle with spigot Ø 16 mm | 5/8"
- 04a **744-0358** Head extension cable, 5 m | 16.4 ft
- 04b **742-0631** Head extension cable, 10 m | 32.8 ft
- 05 **742-0160-2** Electronic ballast unit EWB 400.575.800
- 06 **741-0700** Stand mount
- 07 **741-0598** Reflector Open Face
- 08 **741-0599** Reflector PAR
- 09 **741-0754** 4-leaf barn door for Open Face | PAR reflector
- 10a **713-0741** PAR lens super spot
- 10b **713-0742** PAR lens medium spot
- 10c **713-0743** PAR lens medium wide
- 10d **713-0744** PAR lens super wide
- 11 **744-0185** Scrim ring
- 12a **744-U001** 6 5/8" full single scrim
- 12b **744-U003** 6 5/8" full double scrim
- 13 **744-0167** Screen ring
- 14 **713-0746** Diffusion filter
- 15 **713-0747** Conversion filter 3200 K
- 16 **713-0745** Fresnel lens
- 17 **763-0318** Bag for 5 lenses
- 18 **744-0522** Adapter for Para 220 FB
- 19a **741-0549** Para 170 FB
- 19b **741-0550** Para 220 FB
- 20 **744-0299** Softbox adapter for 170 mm | 6 5/8" speed rings
- 21 **743-U006** 6 5/8" circular speed ring
- 22 **VARIOUS** Pancake lantern, Chimera
- 23 **VARIOUS** Softbox, Chimera
- 24 **633-6011** Extension for lamp socket GZZ 9.5 (400 W)
- 25 **633-5461** Daylight lamp 400 W "all frosted", UV protected
- 26 **633-5459** Daylight lamp 400, UV protected
- 27 **744-0511** HMI adapter for DE/DW 400 for ETC® Source Four™
- 28 **ETC® Source Four™**
- 29 **33.502.00** broncolor adapter
- 30 **741-0531** Litepipe
- 31 **741-0548** Para 88 D kit



# DW 400 | Technical data

DW 400	
Lamp output	400 Watt
Lamp socket	GZZ 9.5
Focus range with Open Face reflector	15° - 45°
Light output	
Open Face reflector (3 m   9.8 ft)	Spot 19200 lux   1784 fc Flood 3400 lux   316 fc
PAR reflector 5° without PAR lens (3 m   9.8 ft)	133000 lux   12356 fc
PAR reflector with super spot lens 8° (3 m   9.8 ft)	● 66000 lux   6132 fc
PAR reflector with medium spot lens 12° x 28° (3 m   9.8 ft)	● 15500 lux   1440 fc
PAR reflector with medium wide lens 20° x 50° (3 m   9.8 ft)	● 5800 lux   539 fc
PAR reflector with super wide lens 55° (3 m   9.8 ft)	● 2280 lux   212 fc
PAR reflector with frosted Fresnel lens 38° (3 m   9.8 ft)	Spot 2200 lux   204 fc Flood 1040 lux   97 fc
Safety class	I
Protection degree (with mounted reflector)	IP 54
Dimensions L x W x H (without reflector)	139 x 142 x 167 mm   5.5 x 5.6 x 6.6"
Weight without reflector	1.35 kg   3 lbs
Head cable length	6 m   19.7 ft
Stand connection	16 mm   5/8"
Protection class	EN60529, EN60598, EN61347
EC Directives	2006/95/EEC, 2004/108/EEC, 96/EEC, 95/EEC



## DW 400 | Lamp base, reflectors and accessories



### Lamp base DW 400

The new DW 400 lamp base was designed in response to ENG and production unit requirements. The light yield is comparable with a 1200 – 1400 W halogen lamp but with only ¼ of the power consumption.

Art. ref.	332-0145
Dimensions L×W×H	139 × 142 × 167 mm 5.5 × 5.6 × 6.6"
Weight	1.35kg   3 lbs

### Accessories

#### Head extension cable

5 m | 16.4 ft: 744-0358  
10 m | 32.8 ft: 742-0631



#### Handle with spigot

Ø 16 mm | 5/8"  
741-0710



### Reflector Open Face

Structured reflector with even, rotationally symmetric illumination, light control with conversion and diffusion filters.

Art. ref.	741-0598
Dimensions	152 × Ø 185 mm 6.2 × Ø 7.3"
Weight	0.65 kg   1.4 lbs

### Accessories

#### 4-leaf barn door

741-0754



#### Conversion filter 3200 K

713-0747



#### Diffusion filter

713-0746



#### Screen ring

744-0167



### Reflector PAR

High light output, narrow beam angle, for direct or bounce lighting, and in conjunction with the PAR lenses when advanced light control is required.

Art. ref.	741-0599
Dimensions	158 × Ø 185 mm 6.2 × Ø 7.3"
Weight	0.68 kg   1.5 lbs

### Accessories

#### 4-leaf barn door

741-0754



#### Scrim Ring

744-0185



#### PAR Lens Set

713-0740 (4 pieces)



#### Scrims 6 5/8"

full single: 744-U001  
full double: 744-U003



### Fresnel lens

Frosted Fresnel lens for PAR reflector to provide soft diffused and focusable light quality.

Art. ref.	713-0745
Dimensions	Ø 170 mm Ø 6 5/8"
Weight	0.34 kg   0.8 lb

### Accessories

#### Bag for 5 lenses

763-0318





## DW 400 | Litepipe, Softbox adapter and Para 220 FB



### Litepipe for DW 400

The Litepipe is a light tube which is collapsible and can be rolled up. It is used to convert a narrow light beam of a PAR lamp into a soft, homogeneous, linear light source with a relatively low generation of heat at high light output. The high quality 0.5 mm, strong, polycarbonate extrusion foil has a fine matt surface on one side, and offers absolutely neutral colour and even light distribution. A removable textile screen reflector enables a coverage angle of alternatively 180° or 360°.

Art. ref.	741-0531
Size open	Ø 170 × 1150 mm   6.7 × 45"
Size rolled up	Ø 180 × 530 mm   7.1 × 20.8"
Size with case	580 × 220 × 220 mm (L×W×H) 22.8 × 8.6 × 8.6"
Weight	1.4 kg   3.1 lbs
Weight with case	3.0 kg   6.6 lbs



### Softbox adapter

A Softbox or a lantern can be mounted with the Softbox adapter and a Speed Ring. The entire light output of the Softbox is collected. This generates a soft, even light.

\*The Speed Ring can also be mounted directly on the Open Face or PAR reflector.

Art. ref.	744-0299
Dimensions L×W×H	114 × 188 × 188 mm 4.5 × 7.4 × 7.4"
Weight	0.61 kg   1.3 lbs

### Accessories

#### Chimera Speed Ring

170 mm | 6 5/8"  
743-U006



#### Pancake Lantern Chimera

S Chimera Pancake Lantern  
743-U017



### Softbox Video Pro Chimera

XS Chimera Video Pro  
743-U001

S Chimera Video Pro  
743-U003



### Para 170 FB / 220 FB

The 24 segments of the Para 220 FB not only produce light but also provide creative freedom. Surfaces and shapes of all kind adopt a unique sheen and spring to life.

Caution: 400 W lamp base must be operated with UV protected lamps

	Para 170 FB	Para 220 FB
Art. ref.	741-0549	741-0550
Dimensions	Ø 170 × 125	220 × 160 cm
open	Ø 67 × 49"	86 × 63"
Dimensions	Ø 28 × 95 cm	28 × 120 cm
folded	Ø 11 × 37"	11 × 47"
Weight	9.1 kg   20 lbs	8.7 kg   19 lbs

### Accessories

#### Adapter for Para 170/220 FB

744-0522



#### Lamp 400 W

UV protected  
633-5459



#### Tilt head

with crank handle  
33.477.00



### Soft Egg Crate™

#### Para 170 FB:

9 × 9 × 5 cm  
3.5 × 3.5 × 3"  
743-U060

#### Para 220 FB:

9 × 9 × 7.5 cm  
3.5 × 3.5 × 3"  
743-U060



### Para 88 D kit umbrella

The source is situated on a moveable axis in the centre of the reflector. In spot position, there is a narrow beam angle with highly intense, defined illumination. In flood position, a wider beam angle creates diffuse, evenly spread illumination.

Art. ref.	741-0548
Dimensions* open	Ø 85 × 107 cm   33 × 42"
Dimensions* folded	Ø 32 × 107 cm   12 × 42"
Weight	9.1 kg   20 lbs

\*Dimensions with focusing system, without stand

### Kit consists of

Reflector 24 segments  
Focus device  
Adaptor for DW 200 / DW 400  
Soft case with rollers

# DW 400 | Photometrics, Source Four™ and broncolor adapter

## Photometrics\*\*



### Reflector Open Face 400 W

Distance	Spot 15°	Flood 45°
2 m 6.6 ft	43200 Lux   4013 fc	7650 Lux   711 fc
3 m 9.8 ft	19200 Lux   1784 fc	3400 Lux   316 fc
5 m 16.4 ft	6912 Lux   642 fc	1224 Lux   114 fc
10 m 32.8 ft	1728 Lux   160 fc	306 Lux   28 fc



### Reflector PAR 400 W without lens

Distance	Spot 5°
2 m 6.6 ft	299250 Lux   27801 fc
3 m 9.8 ft	133000 Lux   12356 fc
5 m 16.4 ft	47880 Lux   4448 fc
10 m 32.8 ft	11970 Lux   1112 fc



### PAR 400 W with Fresnel lens

Distance	Spot 38°	Flood 68°
2 m 6.6 ft	4950 Lux   460 fc	2340 Lux   217 fc
3 m 9.8 ft	2200 Lux   204 fc	1040 Lux   97 fc
5 m 16.4 ft	792 Lux   73 fc	374 Lux   35 fc
10 m 32.8 ft	198 Lux   18 fc	94 Lux   9 fc



### PAR 400 W with super spot lens ●

Distance	Spot 8°
2 m 6.6 ft	148500 Lux   13796 fc
3 m 9.8 ft	66000 Lux   6132 fc
5 m 16.4 ft	23760 Lux   2207 fc
10 m 32.8 ft	5940 Lux   552 fc



### PAR 400 W with medium spot lens ●

Distance	Spot 12 × 28°
2 m 6.6 ft	34875 Lux   3240 fc
3 m 9.8 ft	15500 Lux   1440 fc
5 m 16.4 ft	5580 Lux   518 fc
10 m 32.8 ft	1395 Lux   130 fc



### PAR 400 W with medium wide lens ●

Distance	Spot 20 × 50°
2 m 6.6 ft	13050 Lux   1212 fc
3 m 9.8 ft	5800 Lux   539 fc
5 m 16.4 ft	2088 Lux   194 fc
10 m 32.8 ft	522 Lux   48 fc

\*\*All photometric images are an illustrated representation only



### PAR 400 W with super wide lens ●

Distance	Spot 55°
2 m 6.6 ft	5130 Lux   477 fc
3 m 9.8 ft	2280 Lux   212 fc
5 m 16.4 ft	821 Lux   76 fc
10 m 32.8 ft	205 Lux   19 fc



## broncolor adapter for DW200 and DW400

This multipurpose adapter is both an attachment for a standard Chimera speedring as well as a broncolor Pulso Mount adapter. This adapter allow the use of a wide range of light modifiers form both Chimera and broncolor to open up new lighting possibilities for both still and motion image makers. The adapter provides full UV protection. This adapter is optimized for the DW 400 but is also compatible with the DW 200.

Art. ref.	33.502.00
Dimensions (W × H × D)	183 × 180 × 116 mm (7.2 × 7.0 × 4.5")
Weight	580 g (1.3 lb)
Scope of delivery	broncolor adapter incl. built-in UV safety glass



## ETC® Source Four™

The DW 200 lamp can now be adapted to the world-famous ETC® ellipsoidal. The use of the 3 components shown delivers optimized illumination.

Caution: 400 W lamp base must be operated with UV protected lamps

## Accessories

**HMI adapter**  
for DE/DW 400  
744-0511



**Set I**  
HMI adapter DE/DW 400 744-0511  
Extension for lamp socket 633-6011

**Extension**  
for lamp socket  
633-6011



**Set II**  
HMI adapter DE/DW 400 744-0511  
Extension for lamp socket 633-6011  
Lamp 400 W "all frosted" 633-5461

**Lamp 400 W "all frosted"**  
UV protected  
633-5461



## EWB 400.575.800



Dimensions L×W×H	267 × 184 × 112 mm 10.5 × 7.2 × 4.4"
Weight	2.6 kg   5.7 lbs
Efficiency	0,9
Power Factor (PFC)	0.96-0.99/ EN 61000-3-2

\*Additional strengthened insulation for protection according to safety class II

- Flicker-free operation
- Splashwater protection (IP 43)
- Doubled safety due to reinforced insulation and protective earth
- Automatic heater for fast ready times
- Controlled, constant output for consistent light quality
- High reliability due to electronic monitoring system
- Patented temperature management
- Light weight and compact design
- High efficiency - 90%
- Power factor control (PFC)
- Automatic voltage recognition 85 – 265 V
- Automatic lamp detection



A



1



C

### Flight Kits (A)

<b>DW 400 Flight Case</b>	DW 400 PAR Flight Kit 45 (37.5 lbs)	332-U160
Dimensions: 26 × 18.5 × 14"	DW 400 PAR Flight Kit 458 (37.5 lbs)	332-U162
Weight: 20 lbs	DW 400 Open Face Flight Kit 45 (35 lbs)	332-U172
	DW 400 Open Face Flight Kit 458 (35 lbs)	332-U174

### Production Kits (B)

<b>DW 400 Production Case</b>	DW 400 PAR Production Kit 45 (44 lbs)	332-U164
Dimensions: 17 x 14 x 15"	DW 400 PAR Production Kit 458 (44 lbs)	332-U166
Weight: 24 lbs	DW 400 Open Face Production Kit 45 (39 lbs)	332-U176
	DW 400 Open Face Production Kit 458 (39 lbs)	332-U178

## Sub 50 multi system Kits (C)

<b>DW 400 Multi System Case</b>	Sub 50-1 (200/400 AC) w/lamp (44.5 lbs)	332-U136
Dimensions: 26.5 x 12.5 x 10"		
Weight: 22 lbs		

**Kits includes**

DW 200 + DW 400 lamp bases, 2x 0F reflectors, 2x barn doors, EWB 200 + EWB 400.575.800 ballasts,  
200 W + 400 W HMI/hr lamps, sub 50 case  
Same as Sub 50-1 (332-U136) no lamps

[illegible]





# DW 800 Lots of light in wind and weather.

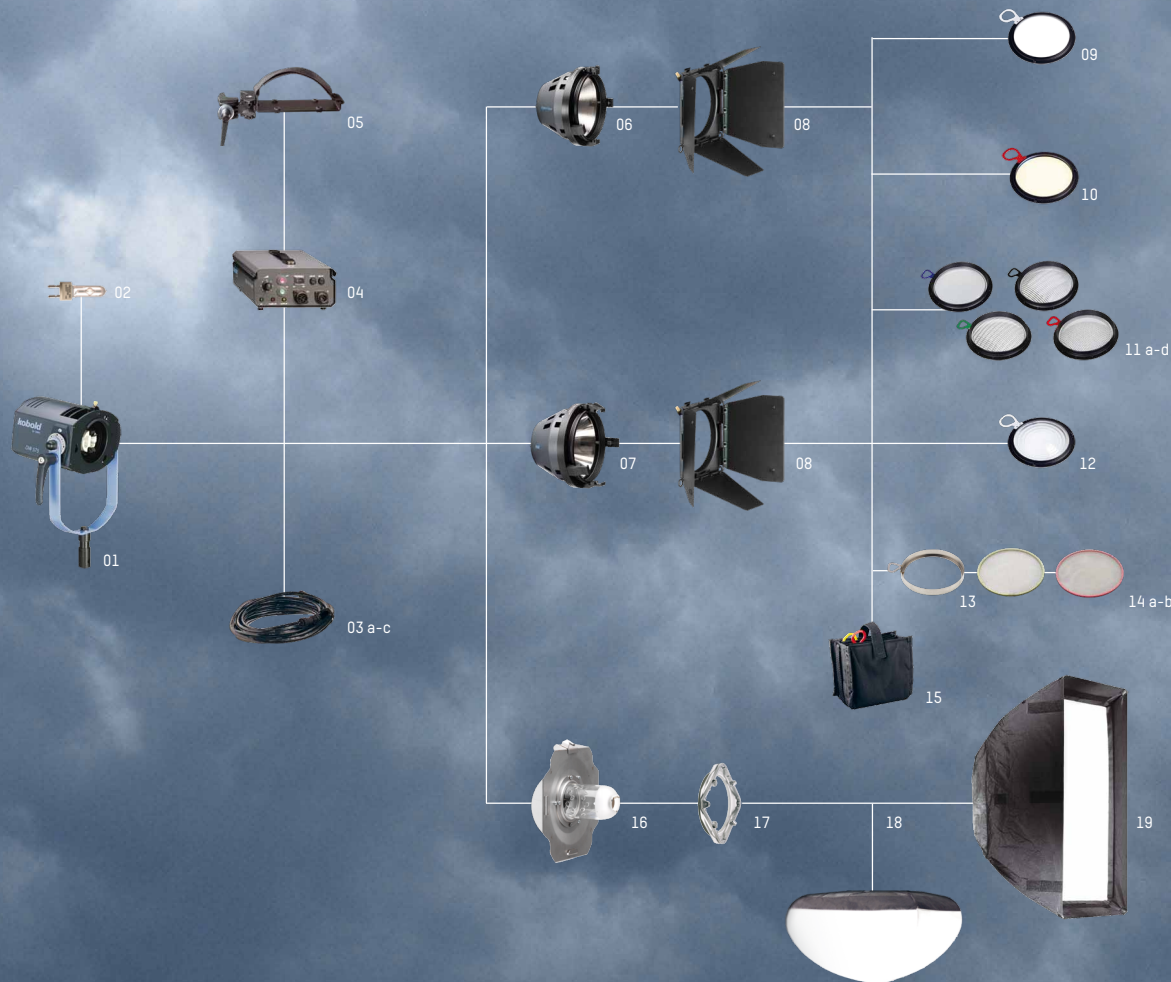
The DW 800 is a focusable multifunctional kobold 800 watt daylight fixture, and can be equipped with a wide range of reflectors to meet any need. The selected attachment transforms the lamp base into a full-fledged PAR, Open Face, or soft diffused source with the softbox adapter. Thanks to a click-lock mechanism, the conversion is fast and requires no tools. The optimized design of the reflectors deliver high light outputs and uniformity of illumination. The ergonomically positioned knob allows focusing from 12-70° with the Open Face reflector.

This daylight fixture features a rugged design, compact dimensions, and maximized operating reliability, both indoors and outdoors. The housing is made of high-strength aluminium and has an interlocked socket for single-ended, high-efficiency HMI/hr lamps. The igniter is hermetically sealed to allow cold and hot starts even in wet surroundings. Other features include low weight, stray-light-free reflector accessories, heat-resistant ceramic UV safety glass, protection class IP 54.

- Multifunctional
- Weatherproof (IP 54)
- Suitable for all indoor and outdoor applications
- High light output
- Large focusing range
- Optimized stray-light-free accessories
- Uniform illumination
- Constant colour temperature
- Instant hot striking
- Attractive weight/output ratio
- Dimmable with kobold electronic ballast units



# DW 800 | The system

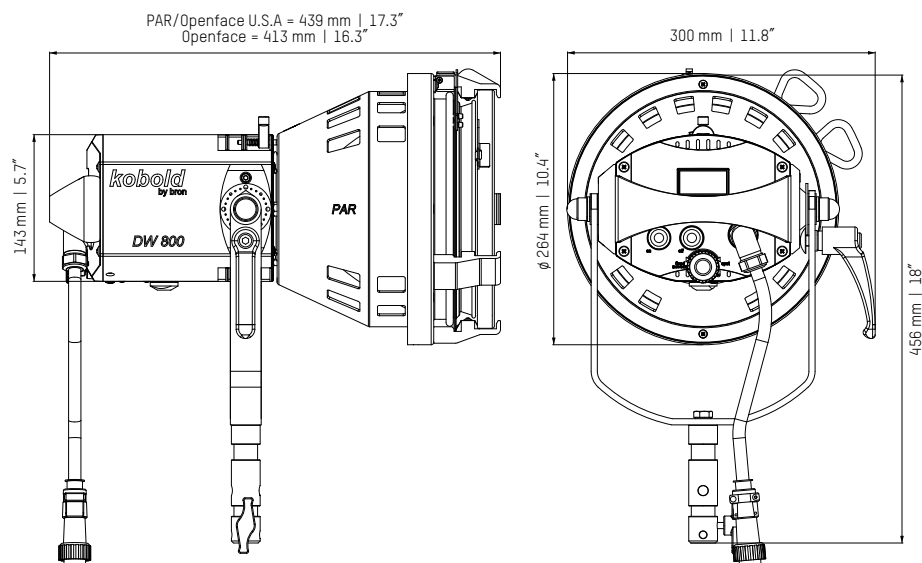


- 01 **332-0108** Lamp base DW 800
- 02 **633-U003** 800 Watt HMI hr lamp
- 03a **742-0599** Head cable 7.5 m | 25 ft
- 03b **742-0602** Head extension cable 10 m | 32.5 ft
- 03c **742-0635** Head extension cable 20 m | 65 ft
- 04 **742-0160-2** Electronic ballast unit EWB 400.575.800
- 05 **741-0700** Stand mount
- 06 **741-0590** Reflector Open Face
- 07 **741-0576** Reflector PAR
- 08 **741-0731** 4-leaf barn door for Open Face | PAR reflector
- 09 **713-0496** Diffusion filter
- 10 **713-0497** Conversion filter 3200 K
- 11a **713-0710** PAR lens super spot
- 11b **713-0711** PAR lens medium spot
- 11c **713-0712** PAR lens medium wide
- 11d **713-0713** PAR lens super wide
- 12 **713-0534** Fresnel lens
- 13 **744-0168** Scrim ring
- 14a **744-U009** 9" full single scrim
- 14b **744-U010** 9" full double scrim
- 15 **743-U012** Bag for 4 lenses
- 16 **744-0300** Softbox adapter for Ø 230mm | 9" speed rings
- 17 **743-U007** 9" circular speed ring
- 18 **VARIOUS** Pancake lantern, Chimera
- 19 **VARIOUS** Softbox, Chimera



# DW 800 | Technical data

DW 800	
Lamp output	800 Watt
Lamp socket	G22
Focus range with Open Face reflector	12° - 70°
Light output	
Open Face reflector (3 m   9.8 ft)	Spot 56200 lux   5221 fc Flood 4000 lux   372 fc
PAR reflector 5° without PAR lens (3 m   9.8 ft)	320000 lux   29728 fc
PAR reflector with super spot lens 9° (3 m   9.8 ft)	• 135100 lux   12550 fc
PAR reflector with medium spot lens 14° × 24° (3 m   9.8 ft)	• 50500 lux   4692 fc
PAR reflector with medium wide lens 21° × 60° (3 m   9.8 ft)	• 12000 lux   1115 fc
PAR reflector with super wide lens 66° (3 m   9.8 ft)	• 4590 lux   426 fc
PAR reflector with Fresnel lens (3 m   9.8 ft)	Spot 4550 lux   423 fc Flood 2420 lux   225 fc
Safety class	I
Protection degree (with mounted reflector)	IP 54
Dimensions L × W × H (without reflector)	226 × 300 × 415 mm   9 × 12 × 16"
Weight without reflector	3.9 kg   8.6 lbs
Head cable length	0.6 m   2 ft
Stand connection	28 mm spigot with 16 mm hole 1 1/8" Junior - 5/8" Baby



## DW800 | Lamp base, reflectors and accessories



### Lamp base DW800

The DW 800 is the most powerful light source in the DW line. It is the ultimate solution for sets that need light. And it delivers the light with minimum effort. Nothing is left to chance with respect to multifunctional flexibility and weather-resistance.

Art. ref.	332-0108
Dimensions L x W x H	226 × 300 × 415 mm 9 × 12 × 16"
Weight	3.9 kg   8.6 lbs

### Accessories

#### Head cable

7.5 m | 25 ft  
742-0599



#### Head extension cable

10 m | 32.8 ft: 742-0602  
20 m | 65 ft: 742-0635



### Reflector Open Face

Structured reflector with even, rotationally symmetric illumination, light control with conversion and diffusion filters.

Art. ref.	741-0590
Dimensions	Ø 264 × 229 mm Ø 10.4 × 9"
Weight	1.85 kg   4.1 lbs

### Accessories

#### 4-leaf barn door

741-0731



#### Diffusion filter

713-0496



#### Conversion filter 3200 K

713-0497



### Reflector PAR

High light output, narrow beam angle, for direct or bounce lighting, and in conjunction with the PAR lenses when advanced light control is required.

Art. ref.	741-0576
Dimensions	Ø 264 × 229 mm 10.4 × Ø 9"
Weight	2.1 kg   4.6 lbs

### Accessories

#### 4-leaf barn door

741-0731



#### PAR Lens Set

713-0527 (4 pieces)



#### Scrim Ring

744-0168



#### Scrims 9"

full single: 744-U009  
full double: 744-U010



### Fresnel Lens

Frosted Fresnel lens for PAR reflector to provide soft diffused and focusable light quality.

Art. ref.	713-0534
Dimensions	Ø 238 mm Ø 9.4"
Weight	0.6 kg   1.3 lbs

### Accessories

#### Bag for 4 lenses

713-U012



## DW800 | Softbox adapter and ballast unit



### Softbox adapter

A Softbox or lantern can be mounted with the Softbox adapter and a Speed Ring. The entire light output of the Softbox is collected. This generates a soft, even light.

\*The Speed Ring can also be mounted directly on the Open Face or PAR reflector.

Art. ref.	744-0300
Dimensions	Ø 235 × 145 mm Ø 9.3 × 5.7"
Weight	0.7 kg   1.5 lbs

### Accessories

#### Chimera speed ring

230 mm | 9"  
743-U007



#### Pancake Lantern Chimera

**M** Chimera Pancake Lantern  
743-U011



#### Softbox Video Pro Chimera

**S** Chimera Video Pro  
743-U003

**M** Chimera Video Pro  
743-U005



### EWB 400.575.800 Electronic ballast unit

The extremely compact electronic multipower ballast unit EWB 400.575.800 features automatic lamp detection to allow the highly convenient operation of 400 W and 800 W daylight lamp bases (plug and play).

kobold splashwater-protected (IP 43) EWB ballast units are equipped with an automatic voltage detection circuit for ratings from 85 V to 265 V 50/60 Hz. Even at very high ambient temperatures, the patented temperature management system assures safe and reliable operation.

- Flicker-free operation
- Splashwater protection (IP 43)
- Doubled safety due to reinforced insulation and protective earth
- Automatic heater for fast ready times
- Controlled, constant output for consistent light quality
- High reliability due to electronic monitoring system
- Patented temperature management
- Light weight and compact design
- High efficiency ~ 90%
- Power factor control (PFC)
- Automatic voltage recognition 85 – 265 V
- Automatic lamp detection

Art. ref.	742-0160-2
Power output	400 W   575 W   800 W
Voltage	85-265 V AC
Power requirements	460 VA   640 VA   900 VA
Power variations	100% – 60% dimming
Safety class*	I
Dimensions L×W×H	267 × 184 × 112 mm   10.5 × 7.2 × 4.4"
Weight	2.6 kg   5.7 lbs
Efficiency	0,9
Power Factor (PFC)	0.98 – 0.99/EN 61000-3-2

\*Additional strengthened insulation for protection according to safety class II



## Photometrics\*

Reflector PAR 800 W without lens

PAR 800 W with Fresnel lens

PAR 800 W with super spot lens ●

PAR 800 W with medium spot lens

PAR 800 W with medium wide lens ●

PAR 800 W with super wide lens ●

Distance		Spot 66°
3 m	9.8 ft	4590 Lux   426 fc
5 m	16.4 ft	1650 Lux   153 fc
10 m	32.8 ft	413 Lux   38 fc
15 m	49.2 ft	183 Lux   17 fc



A

A black and silver metal toolbox with its lid open, revealing various tools and equipment inside, including a blue bag and a black bag.

### Flight Kits (A)

### Production Kits (B)

	Lamp base DW 800	332-0108
	800 HMI hr lamp	633-U003
	Head cable 7.5 m / 25 ft	742-0399
	Ballast unit EWB 400.575.800	742-0180-2
	Reflector Open Face	741-0590
	Reflector PAR	741-0576
	4-leaf barn door	741-0731
	Diffusion filter	713-0486
	Conversion filter 3200 K	713-0487
	Bag for 4 lenses	743-U012
	9" full single scrim	744-U009
	9" full double scrim	744-U010
	Set of 4 PAR lenses	713-0527
	Airline Case for DW 800	733-U009
	Production Case for DW 800	733-U022



kobold is a competent advisor in all applications where continuous light is needed. kobold products are designed to meet the demands and expectations of professional users in the TV, film and video, production and event market. Our high-quality products offer their user increased operational ease when realizing the challenges of daily work. The technological leadership is based on consequent alignment of our products with the changing market needs and trends. We consider new innovative product development as well as continuous enhancement and improvement of our product range as true commitments to our kobold customers.



#### Production

The high output of up to 800 W makes the kobold fixtures an ideal tool for the film production industry.



#### Broadcast / ENG

Our customers in the area ENG (TV and video) appreciate the reliability of kobold products, particularly under extreme weather conditions.



#### Event

The perfect and high-quality light yield is really appreciated in the event area. That quality allows exhibitors to present their products in the very best light.

**BRONIMAGING**  
GROUP U.S.

Bron Imaging Group  
17 Progress St. | Edison NJ 08820  
800-456-0203 | [www.bronimaging.com](http://www.bronimaging.com)

**kobold**  
by bron

Bron Elektronik AG  
CH-4123 Allschwil/Switzerland  
[www.bron-kobold.com](http://www.bron-kobold.com)