



# Broadcast grade outdoor floodlight **LEDhead ENG**

The LEDhead is a handy outdoor location light, ideal for film, TV and photographic studio applications.

A well-engineered, rear aluminum heat-sink provides an IP64 rating, together with convectional cooling, giving reliable and silent operation for live recording.

The LEDhead can be powered by a wide range of DC power (23-37VDC) and is supplied with a universal AC power supply (90-264VAC). It may also be powered from a battery (not included) using the optional V-mount adaptor, making it ideal for location shooting.

The LEDhead range consists of 2 models: LEDhead Tungsten and LEDhead Daylight. Each allows the white color to be tuned for precise matching.

With a very high CRI rating of 94, it may be used in any lighting application, broadcast recording, live performance or even photographic studio.

The impressive 4000 lumen output at only 65W, is the result of a smart internal cooling system that allows the unit to provide 650 lux (Daylight) or 615 lux (Tungsten) at a distance of 3m with a 40 degree beam angle. The even light-spread can be further diffused for an ultra-soft flood source, using the 2 optional diffuser attachments.

Available either as individual parts, or as a kit of three in a convenient soft bag complete with accessories.

# Product data



## Features and benefits

- CCT preset: 2800/3200/4500K (Tungsten), 4500/5600/6000K (Daylight).
- High CRI rating 94 max.
- High Television Lighting Consistency Index (TLCI) 95 max.
- Precision CCT rating to 3 step MacAdam ellipse across the range of 2800-6000K.
- Convectional cooling in a IP64 housing.
- Fine tunable CCT value in 10K steps using +/- buttons.
- 7 segment display at rear panel, displaying intensity values, CCT and DMX address.
- Local dimming or DMX-512A(RDM) control.
- CE marked on body and multi approval on AC adaptor.
- LEDhead ENG 3 kit package includes:
  - 3 pcs LEDhead light
  - 3 pcs M12 screw to 16mm socket
  - 3 pcs Light duty lighting stand (89-302cm)
  - 3 pcs Universal voltage AC adaptor
  - 3 pcs V mount battery adaptor (with D type cable)
  - 3 pcs Diffuser sets (30° and 55°)
  - 3 pcs 4 leaf barn door
  - 3 pcs Mafer clamp (hook adaptor for stand)
  - 1 pc Easy carry soft bag

Source	LED	
Wattage	100W (max)	
Lumen output	4000lm	
Color temperature	Tungsten 2800-4500K (10K per press) Daylight 4500-6000K (10K per press)	
TLCI	Tungsten 95 max Daylight 94 max	
Beam angle	40°	
Color filter size	130 x 209mm	
Dimming	Local, DMX-512(RDM)	
DMX 8 or 16-bit	8 or 16 Bit	
Accessories	100-265VAC mains power supply V-mount battery adaptor 4 leaf barndoor Diffuser set	Spigot adaptor Light duty stand Kit case bag
Operating voltage	23-37VDC	
Frequency	DC power	
Power consumption	65W max	
Ambient temperature	0-40°C	
Cooling	Natural convection	
Humidity	5-95% non-condensing	
IP rating	IP64	
Finish	Red / silver grey / black	
Construction	Aluminium extrusion and casting	
Dimensions W x H x D	292 x 210 x 95mm (head only)	1020 x 380 x 590mm (kit)
Weight	3.8kg (head only)	35kg (kit)
Warranty	2 years	

# Specifications

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## Optics

LEDs	72 high-power LED
Lumen	4000 lm
Illuminations	615 lx @ 3m (Tungsten) 650 lx @ 3m (Daylight)
Binning step	3 step : 2800K to 6000K
Beam angle	40°
CCT accuracy	±50K (Tungsten) ±50K (Daylight)
CRI	94 max. (Tungsten) 93 max. (Daylight)
TLCI	95 max. (Tungsten) 94 max. (Daylight)

## Electrical

Signal	5 pin XLR in, thru connectors with rubber cover; DMX-512A(RDM)
Power	4 pin XLR connector with rubber cover; 65W max 90-264VAC input for AC adaptor 24VDC input for V-mount battery

## Standards

Approvals	Low voltage operation, CE, cETL/ETL and RCM on universal PSU
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# Product data

## LEDhead ENG

Type	Order code
LEDhead variable CCT 4500-6000K with 23-37V DC battery input	LEDHEADD
LEDHead variable CCT 2800-4500K with 23-37V DC battery input	LEDHEADT
LEDhead3 Kit variable CCT 4500-6000K with 23-37V DC battery input	LEDHEADDKIT
LEDhead3 Kit variable CCT 2800-4500K with 23-37V DC battery input	LEDHEADTKIT

## Accessories

	Order code
4 leaf barndoor	LEDHEADBD
30° diffuser	LEDHEADDF30
55° diffuser	LEDHEADDF55
Stand, 890-3070mm	LEDHEADSTD
Stand adaptor, 28mm stud 16mm socket	LEDHEAD16/M12
V-mount battery adaptor	LEDHEADVM
D type cable with XLR4 DC socket	LEDHEADDCB
Mafer clamp	LEDHEADCLP
Softbag with EVA	LEDHEADBG

## LEDhead ENG 3KIT

V-mount battery adaptor



LEDhead unit



4 leaf Barn Door



Universal voltage AC adaptor



+



M12 screw to 16mm socket

+



Diffuser #30 & #55

Mafer clamp  
(hang AC and Battery adaptor to the light stand)



+



Light duty Lighting Stand



Easy Carry Protection Softbag

# Photometry

## Specifications

### Optics

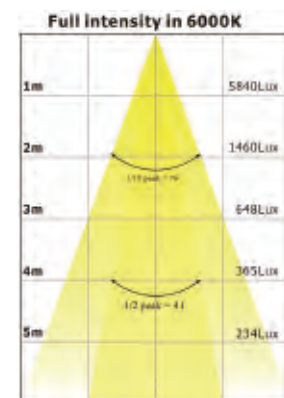
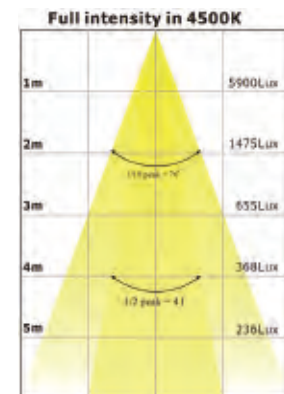
LEDs: 72 high-power LED  
 Lumen: 4000 lm  
 Illuminations: 615 lx at 3m(Tungsten)  
 650 lx at 3m(Day-light)  
 Binning step: 3 step : 2800k to 6000k

Beam Angle: 40 degree  
 CCT accuracy: +/- 50k (Tungsten)  
 +/- 50K (Day-light)  
 CRI: 94 max. (Tungsten)  
 93 max. (Day-light)  
 TLCI: 95 max. (Tungsten)  
 94 max. (Day-light)

### Electrical

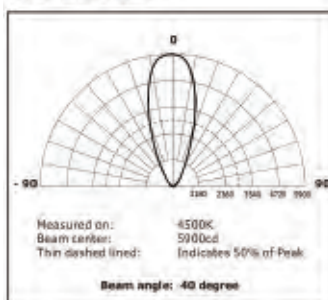
Signal: 5 pin XLR in, thru connectors with rubber cover ;  
 DMX-512A(RDM)  
 Power: 4 pin XLR connector with rubber cover ; 65W max  
 90 - 264VAC input for AC adaptor  
 24VDC input for V mount battery

## LEDhead Day Light

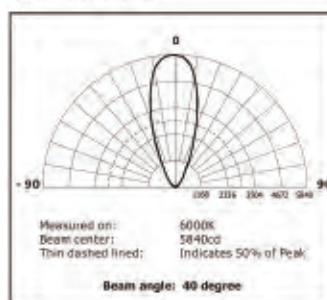


## LEDhead Day Light

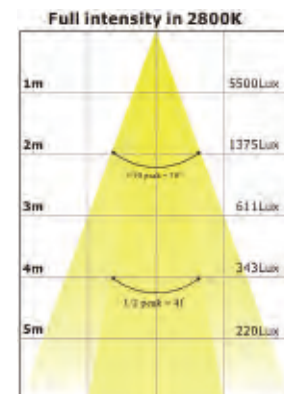
Light distribution



Light distribution

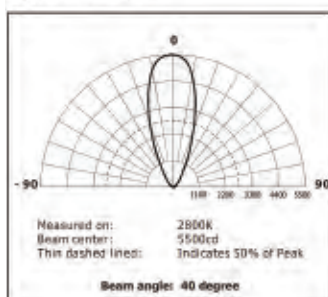


## LEDhead Tungsten

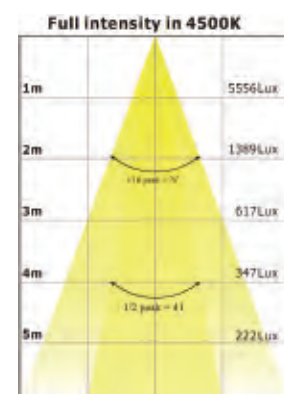
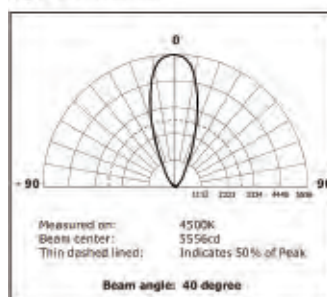


## LEDhead Tungsten

Light distribution



Light distribution



# Dimensional drawing

