



*Mole*TM
LED

Classic Quality meets
Modern Technology

MoleLEDTM Fresnel

If there is one product synonymous with Mole-Richardson Co., it's the iconic Motion Picture Fresnel. Built in Hollywood California since 1936, the studio Fresnel remains the back-bone of professional lighting for the film, television and broadcast industries. Relatively unchanged since its origin, the studio Fresnel rarely saw dramatic improvements...until now.

Introducing the MoleLED Fresnels. A design familiar to generations of lighting professionals is now loaded with state

of the art electronics and the latest LED technology. These revolutionary fixtures use a proprietary Quantum Dot LED developed and produced by Mole to replicate film and television 3200K Tungsten and 5600K Daylight exactly.

High-output, with unparalleled color quality and a borosilicate glass Fresnel lens, the MoleLED Fresnels perform identically to an incandescent or HMI Fresnel fixture. In addition, Mole added features like a universal power supply, built-in local dimming as well as on-board DMX dimming. Now, you are no longer tied to an external dimming system or any one voltage.

In an industry inundated with mass produced, eco-friendly products, the MoleLED Fresnels are truly a hybrid of hand crafted quality and the most advanced solid state lighting technology available. From the ground up,



the MoleLED Fresnels are designed, engineered and built in the USA for professionals everywhere.

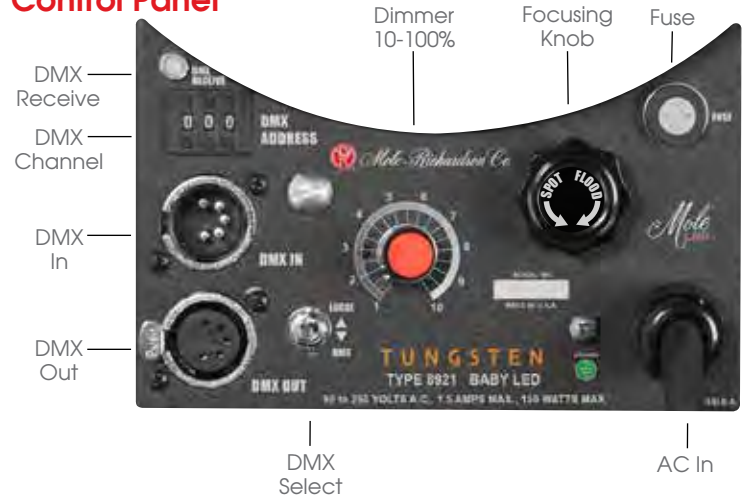
Product Benefits

- An 80% reduction in energy consumption
- Flicker-Free dimming with little to no color shift.
- No need for external dimming systems.
- No direct IR or radiant heat from Fresnel.
- And so much more...

Retro-Fit Kits

Realizing a need for our industry to further reduce, reuse and recycle, Mole is also offering simple retro-fit kits to convert existing legacy Tweenie, Baby and 8" Junior Solarspots to new Tungsten or Daylight MoleLEDTM Fresnels.

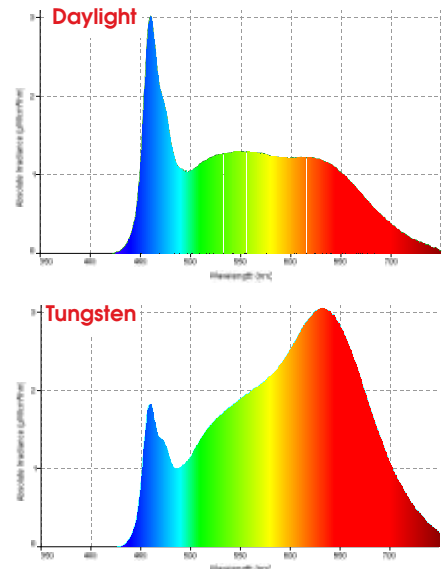
Control Panel



The Technology



The MoleLED Fresnels are powered by a new, proprietary Mole-Richardson Co. Quantum Dot chip on-board LED module. The benefit of QD LED technology is the ability to specifically tune the visible wavelength at the nano scale which, in this case, allows for precise adjustment of the red spectrum without impacting the overall light output of the LED. This Patent Pending LED board represents the first time QD LED's are being used in the film, television and broadcast industries.





100W TweenieLED

Type 8901 Tungsten
 Type 8801 Tungsten (Non-DMX)
 Type 8911 Daylite
 Type 8811 Daylite (Non-DMX)

Pound for pound, it's everything you've come to expect from a Tweenie and so much more. Seamless integration with existing Tungsten Halogen Incandescent, similar performance and optics as other 4.5" (114mm) Mole Fresnels, and about 80% less power consumption.



Specifications

Heads: Type 8901 Tungsten and Type 8911 Daylite

Rating: 90-250 Volts AC, 50-60Hz, 100 Watts, 0.5-1 Amps Max.
 DMX Standby Draw <.05 Amps Max.

Light Source: (1) - 100 Watt Mole-Richardson Quantum Dot LED
 3200K 95CRI Tungsten & 5600K 90CRI Daylight

Cable: Attached 25 ft (7.6m) Type SO., 3 Conductor,
 #18 AWG with NEMA 5-15 Edison
 (Other plugs and wire lengths available upon request)

Switch: Thru-cord Toggle in Cable, DMX or Local Toggle in Trough

Fuse: 1 Amp Slow-Blow. Fuseholder in Trough

Dimming: Flicker Free, Direct DC Dimming
 On-Board Dimmer 100% - 10% (Minimal Color Shift)
 DMX Dimmer 100% - 0% (Minimal Color Shift)

Control: DMX512-A In and Out. Manual DMX Address Selector

Condenser: 4 1/2 in (113mm) Borosilicate Glass Fresnel

Beam Angle: 22° to 56° Variable Spot to Flood (Includes Field)

Focusing: Rotating Knob on Front and Back

Cooling: Passive-Forced Air

Construction: Aluminum and Steel with Interlocking Channels

Yoke: Cast Aluminum w/Standard 5/8 in (16mm) Receiver

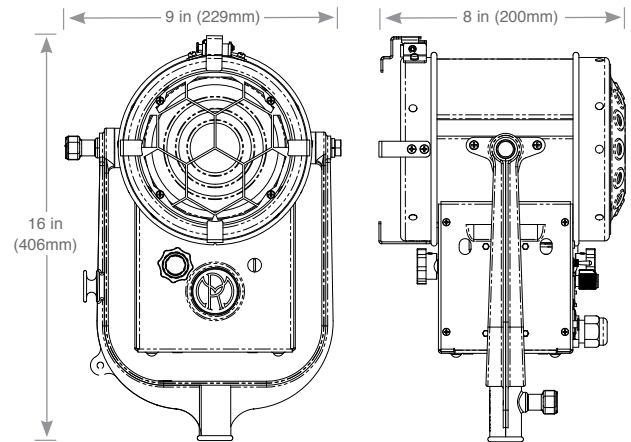
Compliance: RoHS, CE, UL, CSA Pending

IP Rating: 30

Finish: Textured Black Powder Epoxy Coat. (Other Colors Available)

Size: 8 in/200mm(d) x 9 in/229mm(w) x 16 in/406mm(h)

Head Weight: 6lbs/2.72kg (Head Only)
 8lbs/3.63kg (Head with 25ft/7.6m cable)



Accessories

Item Number

2-Way Barn Door (2 Leaf)	4032
4-Way TweenieLED Barn Door (4 Leaf)	89085
Moledisc Diffuser Frame (5 1/8 in/130mm)	40437A
Snoot (Set of 3)	40438A
Molesnoot (Five-in-one)	23532
Apertures: 1 in, 1 3/4 in, 2 1/8 in and 2 1/2 in (25mm, 44mm, 54mm and 64mm)	
Half Single Scrim—Stainless Steel (5 1/8 in/130mm)	5526S
Half Double Scrim—Stainless Steel (5 1/8 in/130mm)	5526D
Single Scrim—Stainless Steel (5 1/8 in/130mm)	5523S
Double Scrim—Stainless Steel (5 1/8 in/130mm)	5523D
Scrim Bag	G135
100 Watt TweenieLED Retrofit Kit, Tungsten	890110
100 Watt TweenieLED Retrofit Kit, Daylite	891110

Performance Data

Using (1) 100 Watt Mole-Richardson QD LED.

Distance Feet (Meters)	Light Intensity Maximum Flood Foot Candles (Lux) Daylite	Light Intensity Maximum Flood Foot Candles (Lux) Tungsten	Light Intensity Maximum Spot Foot Candles (Lux) Daylite	Light Intensity Maximum Spot Foot Candles (Lux) Tungsten	Beam Diameter Maximum Flood Feet (Meters)	Beam Diameter Maximum Spot Feet (Meters)
5 (1.5)	300 (3,229)	240 (2,583)	430 (4,628)	400 (4,306)	3.7 (1.1)	1.9 (0.6)
10 (3.0)	75 (807)	60 (646)	145 (1,561)	120 (1,292)	7.3 (2.2)	3.8 (1.2)
15 (4.6)	35 (377)	30 (323)	65 (700)	50 (538)	11.0 (3.4)	5.7 (1.7)

Light tapers smoothly at edge of field. Dimensions listed define flat area boundaries at which the intensities are approximately 50% of tabulated intensities at beam center.



150W BabyLED

Type 8921 Tungsten
 Type 8821 Tungsten (Non-DMX)
 Type 8931 Daylite
 Type 8831 Daylite (Non-DMX)

It looks like a Baby. It feels like a Baby. And most importantly, it performs like a Baby. Seamless integration with existing Tungsten Halogen Incandescent, similar performance and optics as other 6" (152mm) Mole Fresnels, and about 80% less power consumption.



Specifications

Heads: Type 8921 Tungsten and Type 8931 Daylite

Rating: 90-250 Volts AC, 50-60Hz, 150 Watts, 0.75-1.5 Amps Max.
 DMX Standby Draw <.08 Amps Max.

Light Source: (1) - 150 Watt Mole-Richardson Quantum Dot LED
 3200K 95CRI Tungsten & 5600K 90CRI Daylight

Cable: Attached 25 ft (7.6m) Type SO., 3 Conductor,
 #18 AWG with NEMA 5-15 Edison
 (Other plugs and wire lengths available upon request)

Switch: Thru-cord Toggle in Cable, DMX or Local Toggle in Trough

Fuse: 1.5 Amp Slow-Blow. Fuseholder in Trough

Dimming: Flicker Free, Direct DC Dimming
 On-Board Dimmer 100% - 10% (Minimal Color Shift)
 DMX Dimmer 100% - 0% (Minimal Color Shift)

Control: DMX512-A In and Out. Manual DMX Address Selector

Condenser: 6 in (152mm) Borosilicate Glass Fresnel

Beam Angle: 10° to 55° Variable Spot to Flood (Includes Field)

Focusing: Rotating Knob on Front and Back

Cooling: Passive-Forced Air

Construction: Aluminum and Steel with Interlocking Channels

Yoke: Cast Aluminum w/Standard 5/8 in (16mm) Receiver

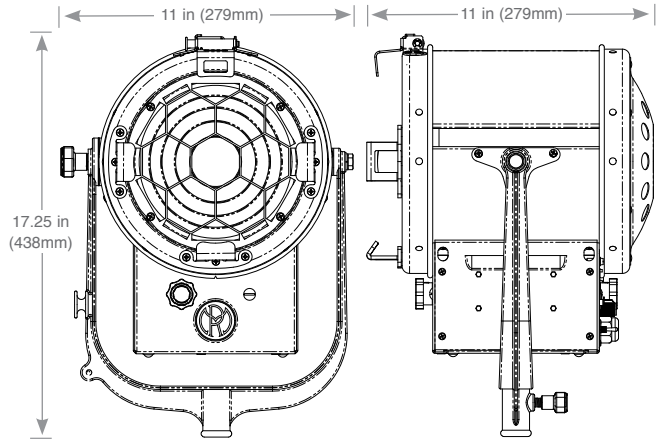
Compliance: RoHS, CE, UL, CSA Pending

IP Rating: 30

Finish: Textured Black Powder Epoxy Coat. (Other Colors Available)

Size: 11 in/279mm(d) x 11 in/279mm(w) x 17 1/4 in/438mm(h)

Head Weight: 8.5lbs/3.86kg (Head Only)
 11lbs/4.99kg (Head with 25ft/7.6m cable)



Accessories

Item Number

2-Way Barn Door (2 Leaf)	40755
4-Way BabyLED Barn Door (4 Leaf)	89285
4-Way Barn Door (8 Leaf)	407156
Moledisc Diffuser Frame (6 5/8 in/168mm)	40748A
Snoot (Set of 3)	40747A
Molesnoot (Five-in-one)	407184
Apertures: 2 in, 2 3/8 in, 2 3/4 in, 3 1/8 in and 3 1/2 in (50mm, 60mm, 70mm, 79mm and 89mm)	
Half Single Scrim—Stainless Steel (6 5/8 in/168mm)	407281S
Half Double Scrim—Stainless Steel (6 5/8 in/168mm)	407281D
Single Scrim—Stainless Steel (6 5/8 in/168mm)	407280S
Double Scrim—Stainless Steel (6 5/8 in/168mm)	407280D
Scrim Bag	G136
150 Watt BabyLED Retrofit Kit, Tungsten	892110
150 Watt BabyLED Retrofit Kit, Daylite	893110

Performance Data

Using (1) 150 Watt Mole-Richardson QD LED.

Distance Feet (Meters)	Light Intensity Maximum Flood Foot Candles (Lux) Daylite	Light Intensity Maximum Flood Foot Candles (Lux) Tungsten	Light Intensity Maximum Spot Foot Candles (Lux) Daylite	Light Intensity Maximum Spot Foot Candles (Lux) Tungsten	Beam Diameter Maximum Flood Feet (Meters)	Beam Diameter Maximum Spot Feet (Meters)
5 (1.5)	460 (4,951)	370 (3,983)	1,800 (19,375)	1,300 (13,993)	3.5 (1.1)	0.9 (0.3)
10 (3.0)	130 (1,399)	100 (1,076)	380 (4,090)	370 (3,983)	7.0 (2.1)	1.7 (0.5)
15 (4.6)	60 (646)	55 (592)	260 (2,799)	170 (1,830)	10.5 (3.2)	2.6 (0.8)

Light tapers smoothly at edge of field. Dimensions listed define flat area boundaries at which the intensities are approximately 50% of tabulated intensities at beam center.



200W JuniorLED

Type 8941 Tungsten

Type 8841 Tungsten (Non-DMX)

Type 8951 Daylite

Type 8851 Daylite (Non-DMX)

A relative newcomer to the landscape of Mole-Richardson Juniors, the 8" Junior (203mm) is a perfect blend of small size, plentiful beam spread and impressive output. Seamless integration with existing Tungsten Halogen Incandescent and drawing a maximum of 2 Amps.



Specifications

Heads: Type 8941 Tungsten and Type 8951 Daylite

Rating: 90-250 Volts AC, 50-60Hz, 200 Watts, 1-2 Amps Max.
DMX Standby Draw <.10 Amps Max.

Light Source: (1) - 200 Watt Mole-Richardson Quantum Dot LED
3200K 95CRI Tungsten & 5600K 90CRI Daylight

Cable: Attached 25 ft (7.6m) Type SO., 3 Conductor,
#18 AWG with NEMA 5-15 Edison
(Other plugs and wire lengths available upon request)

Switch: Thru-cord Toggle in Cable, DMX or Local Toggle in Trough

Fuse: 2 Amp Slow-Blow. Fuseholder in Trough

Dimming: Flicker Free, Direct DC Dimming
On-Board Dimmer 100% -10% (Minimal Color Shift)
DMX Dimmer 100% - 0% (Minimal Color Shift)

Control: DMX512-A In and Out. Manual DMX Address Selector

Condenser: 8 in (203mm) Borosilicate Glass Fresnel

Beam Angle: 13° to 54° Variable Spot to Flood (Includes Field)

Focusing: Rotating Knob on Front and Back

Cooling: Passive-Forced Air

Construction: Aluminum and Steel with Interlocking Channels

Yoke: Cast Aluminum w/Standard 1 1/8 in (29mm) Pin

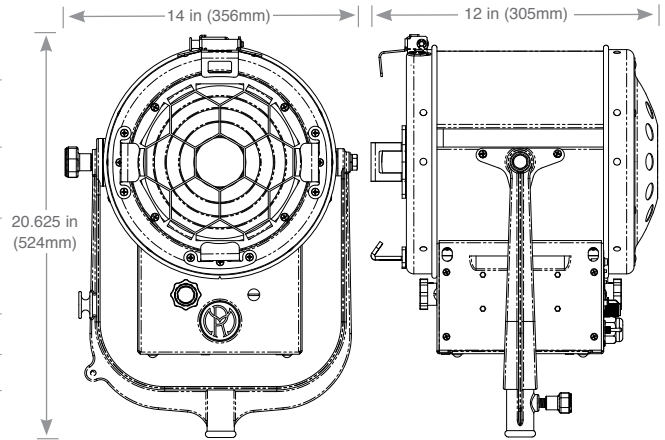
Compliance: RoHS. CE, UL, CSA Pending

IP Rating: 30

Finish: Textured Black Powder Epoxy Coat. (Other Colors Available)

Size: 12 in/305mm(d) x 14 in/356mm(w) x 20 5/8 in/524mm(h)

Head Weight: 14lbs/6.40kg (Head Only)
16lbs/7.23kg (Head with 25ft/7.6m cable)



Accessories

Item Number

2-Way Barn Door (2 Leaf)	4132
4-Way JuniorLED Barn Door (4 Leaf)	89485
4-Way Barn Door (8 Leaf)	4134
Moledisc Diffuser Frame (9 in/228mm)	4133
Snoot (Set of 3)	413316
Molesnoot (Five-in-one)	41310
Apertures: 2 in, 2 3/8 in, 2 3/4 in, 3 1/8 in and 3 1/2 in (50mm, 60mm, 70mm, 79mm and 89mm)	
Half Single Scrim—Stainless Steel (9 in/228mm)	4138S
Half Double Scrim—Stainless Steel (9 in/228mm)	4138D
Single Scrim—Stainless Steel (9 in/228mm)	4139S
Double Scrim—Stainless Steel (9 in/228mm)	4139D
Scrim Bag	G137
200 Watt JuniorLED Retrofit Kit, Tungsten	894110
200 Watt JuniorLED Retrofit Kit, Daylite	895110

Performance Data

Using (1) 200 Watt Mole-Richardson QD LED

Distance Feet (Meters)	Light Intensity Maximum Flood Foot Candles (Lux) Daylite	Light Intensity Maximum Flood Foot Candles (Lux) Tungsten	Light Intensity Maximum Spot Foot Candles (Lux) Daylite	Light Intensity Maximum Spot Foot Candles (Lux) Tungsten	Beam Diameter Maximum Flood Feet (Meters)	Beam Diameter Maximum Spot Feet (Meters)
5 (1.5)	680 (7,320)	620 (6,674)	1,900 (20,451)	1,800 (19,375)	3.4 (1.0)	1.1 (0.3)
10 (3)	180 (1,938)	160 (1,722)	450 (4,844)	450 (4,844)	6.8 (2.1)	2.3 (0.7)
15 (4.6)	80 (861)	70 (754)	200 (2,153)	200 (2,153)	10.3 (3.1)	3.4 (1.0)

Light tapers smoothly at edge of field. Dimensions listed define flat area boundaries at which the intensities are approximately 50% of tabulated intensities at beam center.

Mole-Richardson Co.

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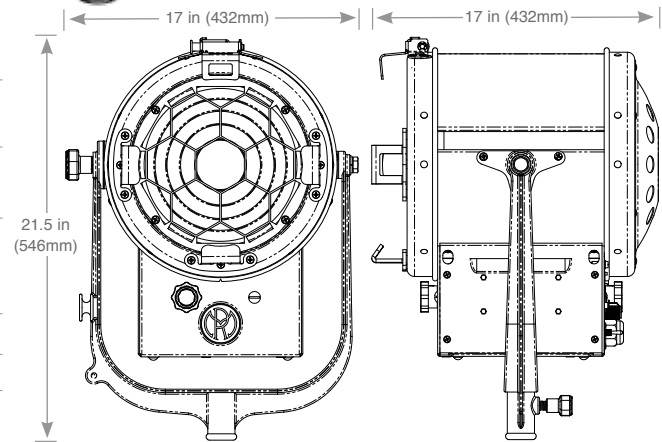
400W Studio JuniorLED

Type 8961 Tungsten
 Type 8861 Tungsten (Non-DMX)
 Type 8971 Daylite
 Type 8871 Daylite (Non-DMX)

It's time to believe...A LED Studio Fresnel with real 2K equivalent output, and performance you can actually use. A single source, behind a glass Fresnel equals beautiful, familiar optics. Combine that with unparalleled color quality, and you have a fixture that can't be beat.

Specifications

Heads: Type 8961 Tungsten and Type 8971 Daylite
Rating: 90-250 Volts AC, 50-60Hz, 400 Watts, 4 Amps Max.
 DMX Standby Draw <.20 Amps Max.
Light Source: (1) - 400 Watt Mole-Richardson Quantum Dot LED
 3200K 95CRI Tungsten & 5600K 90CRI Daylight
Cable: Attached 25 ft (7.6m) Type SO., 3 Conductor,
 #18 AWG with NEMA 5-15 Edison
 (Other plugs and wire lengths available upon request)
Switch: Thru-cord Toggle in Cable, DMX or Local Toggle in Trough
Fuse: 4 Amp Slow-Blow. Fuseholder in Trough
Dimming: Flicker Free, Direct DC Dimming
 On-Board Dimmer 100% -10% (Minimal Color Shift)
 DMX Dimmer 100% - 0% (Minimal Color Shift)
Control: DMX512-A In and Out. Manual DMX Address Selector
Condenser: 10 in (254mm) Borosilicate Glass Fresnel
Beam Angle: 10° to 55° Variable Spot to Flood (Includes Field)
Focusing: Rotating Knob on Front and Back
Cooling: Passive-Forced Air
Construction: Aluminum and Steel with Interlocking Channels
Yoke: Cast Aluminum w/Standard 1 1/8 in (29mm) Pin
Compliance: RoHS, CE, UL, CSA Pending
IP Rating: 30
Finish: Textured Black Powder Epoxy Coat. (Other Colors Available)
Size: 17 in/432mm(d) x 17 in/432mm(w) x 21 1/2 in/546mm(h)
Head Weight: 24lbs/11.11kg (Head Only)
 27.5lbs/12.25kg (Head with 25ft/7.6m cable)



Accessories

Item Number

2-Way Barn Door (2 Leaf)	41256
4-Way BabyLED Barn Door (4 Leaf)	89685
4-Way Barn Door (8 Leaf)	412137
Moledisc Diffuser Frame (12 in/305mm)	200053A
Snoot (Set of 3)	41259
Molesnoot (Five-in-one)	412195
Apertures: 3 in, 4 in, 5 in and 7 in (50mm, 60mm, 70mm and 89mm)	
Half Single Scrim—Stainless Steel (12 in/305mm)	412240S
Half Double Scrim—Stainless Steel (12 in/305mm)	412240D
Single Scrim—Stainless Steel (12 in/305mm)	412241S
Double Scrim—Stainless Steel (12 in/305mm)	412241D
Scrim Bag	G138
400 Watt Studio JuniorLED Retrofit Kit, Tungsten	896110
400 Watt Studio JuniorLED Retrofit Kit, Daylite	897110

Preliminary Performance Data

Using (1) 400 Watt Mole-Richardson QD LED.

Distance Feet (Meters)	Light Intensity Maximum Flood Foot Candles (Lux) Daylite	Light Intensity Maximum Flood Foot Candles (Lux) Tungsten	Light Intensity Maximum Spot Foot Candles (Lux) Daylite	Light Intensity Maximum Spot Foot Candles (Lux) Tungsten	Beam Diameter Maximum Flood Feet (Meters)	Beam Diameter Maximum Spot Feet (Meters)
5 (1.5)	1,300(13,993)	1,200(12,916)	3,100 (33,368)	3,000 (32,291)	— (—)	— (—)
10 (3)	397 (4,273)	380 (4,090)	990 (10,656)	900 (9,687)	9.0 (2.7)	3.0 (0.9)
15 (4.6)	155 (1,668)	145 (1,560)	450 (4,843)	420 (4,520)	— (—)	— (—)

Light tapers smoothly at edge of field. Dimensions listed define flat area boundaries at which the intensities are approximately 50% of tabulated intensities at beam center.



Retrofit Kits

Reuse, Repurpose and Recycle your Mole-Richardson Fresnels

With thousands of Mole-Richardson Fresnels the world over, it only made sense to offer retrofit kits to keep those fixtures working for another generation. The self-contained troughs allow you to convert your existing Tungsten Fresnels to either

100W TweenieLED Retrofit

Tweenie Retrofit Kits

Type 880110: 100W, TweenieLED, Tungsten, 4 1/2" Fresnel Retro-Kit, Non-DMX

Type 890110: 100W, TweenieLED, Tungsten, 4 1/2" Fresnel Retro-Kit

Type 881110: 100W, TweenieLED, Daylite, 4 1/2" Fresnel Retro-Kit, Non-DMX

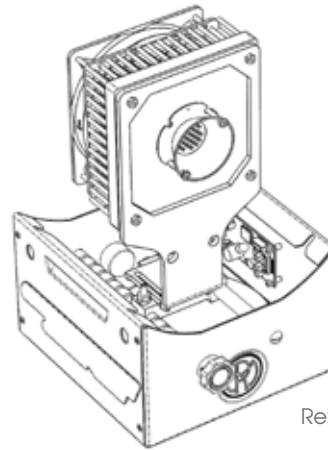
Type 891110: 100W, TweenieLED, Daylite, 4 1/2" Fresnel Retro-Kit

Tweenie Retrofit Kits Contains:

- MoleLED Tungsten or Daylight Trough
- MoleLED specific Fresnel Lens
- MoleLED Tweenie Yoke
- Hardware Package w/tool
- Instruction Sheet



Type 4821
with Retrofit Kit



Reference Image

150W BabyLED Retrofit

Baby Retrofit Kits

Type 882110: 150W, BabyLED, Tungsten, 6" Fresnel Retro-Kit, Non-DMX

Type 892110: 150W, BabyLED, Tungsten, 6" Fresnel Retro-Kit

Type 883110: 150W, BabyLED, Daylite, 6" Fresnel Retro-Kit, Non-DMX

Type 893110: 150W, BabyLED, Daylite, 6" Fresnel Retro-Kit

Baby Retrofit Kits Contains:

- MoleLED Tungsten or Daylight Trough
- MoleLED specific Fresnel Lens
- Hardware Package w/tool
- Instruction Sheet



Type 407
with Retrofit Kit



Type 3081
with Retrofit Kit

Daylight or Tungsten LED's with no modifications needed to the head. In fact, you can keep your original Tungsten trough for future use, and switch between the two in minutes should the need arise.

200W JuniorLED Retrofit

Junior Retrofit Kits

Type 884110: 200W, JuniorLED, Tungsten, 8" Fresnel Retro-Kit, Non-DMX

Type 894110: 200W, JuniorLED, Tungsten, 8" Fresnel Retro-Kit

Type 885110: 200W, JuniorLED, Daylite, 8" Fresnel Retro-Kit, Non-DMX

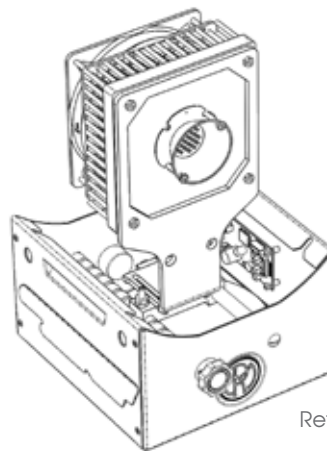
Type 895110: 200W, JuniorLED, Daylite, 8" Fresnel Retro-Kit

Junior Retrofit Kits Contains:

- MoleLED Tungsten or Daylight Trough
- MoleLED specific Fresnel Lens
- Hardware Package w/tool
- Instruction Sheet



Type 5291
with Retrofit Kit



Reference Image

400W Studio JuniorLED Retrofit

Studio Junior Retrofit Kits

Type 886110: 400W, Studio JuniorLED, Tungsten, 10" Fresnel Retro-Kit, Non-DMX

Type 896110: 400W, Studio JuniorLED, Tungsten, 10" Fresnel Retro-Kit

Type 887110: 400W, Studio JuniorLED, Daylite, 10" Fresnel Retro-Kit, Non-DMX

Type 897110: 400W, Studio JuniorLED, Daylite, 10" Fresnel Retro-Kit

Studio Junior Retrofit Kits Contains:

- MoleLED Tungsten or Daylight Trough
- MoleLED specific Fresnel Lens
- Hardware Package w/tool
- Instruction Sheet



Type 412
with Retrofit Kit



Type 4341
with Retrofit Kit

MoleTM LED 12-PACK

With more than 80 years of interpreting technology and designing solutions for Cinematographers and Lighting Professionals worldwide, Mole-Richardson Co. is now proud to introduce the next evolution in set lighting, the MoleLED®.

Never before has a LED been available to the entertainment industry that is true film-friendly. Designed in collaboration with OSRAM Sylvania and their proprietary Phosphor Dome technology, the MoleLED® provides Tungsten and Daylight white light that parallels both the spectral sensitivity curves of film and the visible spectrum. With the help of Kodak, Panavision, Technicolor, and Shelly Johnson ASC, multiple film tests were shot with the MoleLED® in order to verify the color



viewed on set would translate to the color viewed in film dailies. This attention to detail and strict testing has proven the MoleLED® will mix seamlessly with any existing Tungsten (3200°K) or Daylight (5600°K) light source.

The MoleLED® 12-Pack fixtures consist of 12 OSRAM KREIOS® LED circuit boards. Each

of those 12 boards contain 20 high output LEDs, for a total of 240 individual sources. Unlike existing LED fixtures, the MoleLED® blends these multiple sources into one, soft, single light source. This single source approach renders the light more attractive to the talent and more familiar to the technicians.



12-Pack Features

- 3200°K & 5600°K True Film-Friendly Color.
- Over 20,000 Hour Lamp Life.
- 1.5 Amps is the Maximum Draw at 110 Volts A.C.
- Universal 100-240 Volts, 50/60Hz A.C. Power Supply.
- The Fixture Will Operate on 12 Volt Car Battery, 14.4 Volt Anton Bauer/IDX V-Mount Battery, 24 Volt Camera Battery or a 30 Volt Battery Belt.
- Local and Remote Dimming with Built-In DMX 512.
- Dimmable Without Color Temperature Shift.
- Dimmable Without Flickering (Non-PWM Dimming).
- Multiple Rigging Points and Mounting Options.
- Rugged, Low-Profile Construction.



The MoleLED 12-Pack pictured with the Type 86542 AC/DC Power Supply and Type 3631 Litewate Stand.

The Technology

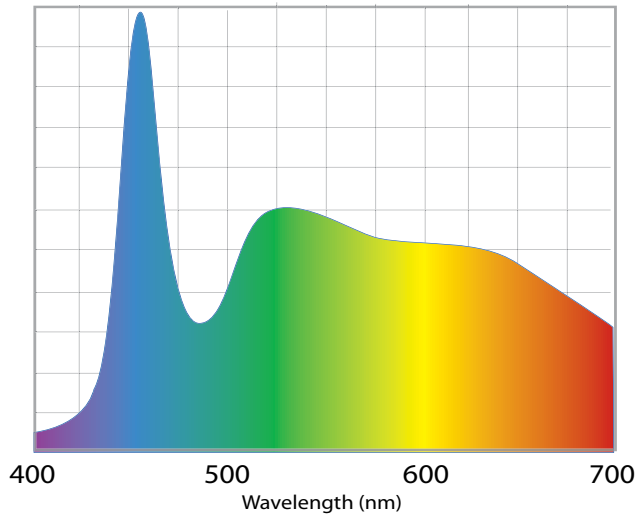
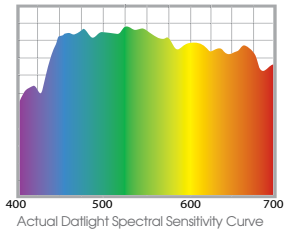
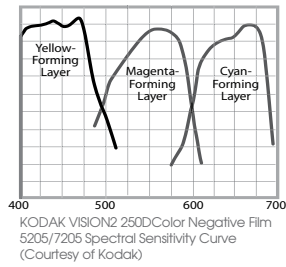


OSRAM KREIOS®
1"x6" circuit board with
Remote Phosphor Dome array.

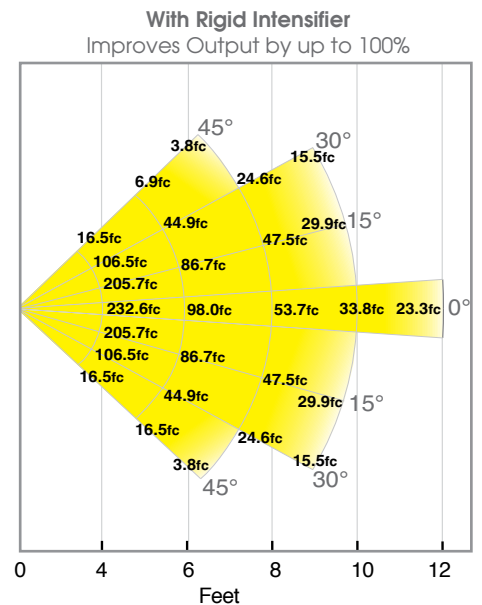
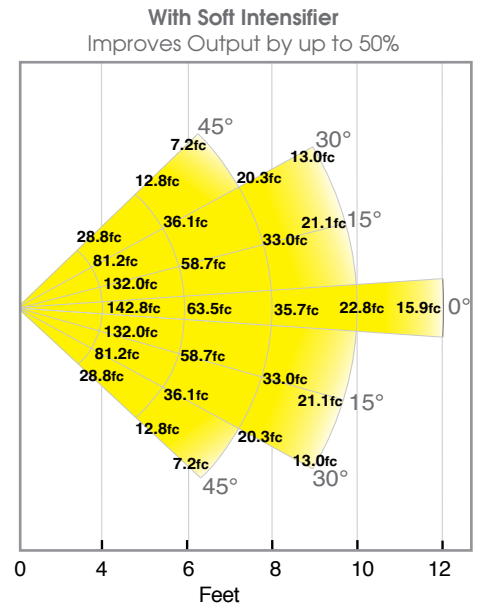
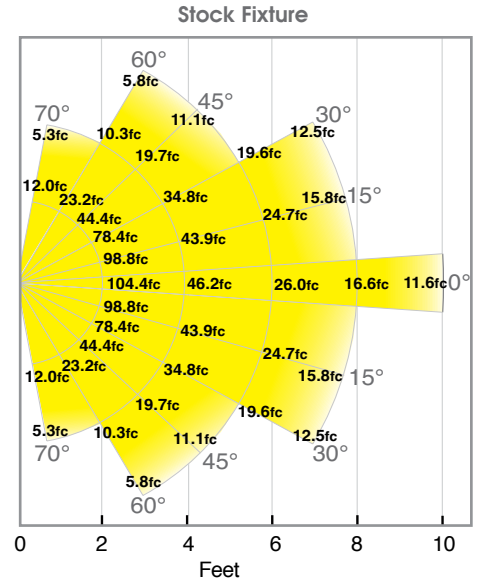


The New MoleLED® is powered by OSRAM KREIOS® LED technology. The KREIOS® stage light module is a metal core circuit board with 20 high-output blue LEDs each topped with a remote phosphor dome. The phosphor domes are an OSRAM proprietary design, which are blue light activated to produce light in two exact color temperatures, Tungsten and Daylight.

Spectral Sensitivity Curve



Performance Data



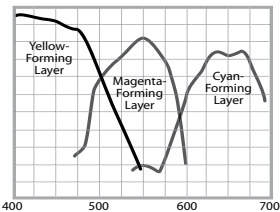
Specifications

- Head: Type 8661 Daylight 12-Pack
- Head Rating: 10 to 40 Volts D.C., 14.5 Amps max, 145 Watts max.
- Control Switches: ON-OFF, D.C. INPUT SELECTOR, and LOCAL-REMOTE rocker style, mounted on back of fixture.
- Dimming: 100% to 10% Local or 100% to 0% DMX.
- Circuit Protection: 20 Amps panel-mount fuse.
- Construction: Machined aircraft aluminum and sheet aluminum.
- Finish: Black and clear anodized and black powder coat.
- Mounts: Cast Aluminum Yoke with 5/8" receiver.
- Connector: Lockable Neutrik.
- Size: 15.75" (h) x 3.625" (d) x 18.25" (w) with yoke attached.
- Weight: 12 lbs with yoke attached.
- External Power Supply Requirements: 10 to 40 Volts D.C. output with 160 Watts minimum rating.

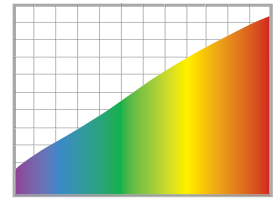
Tungsten 12-Pack



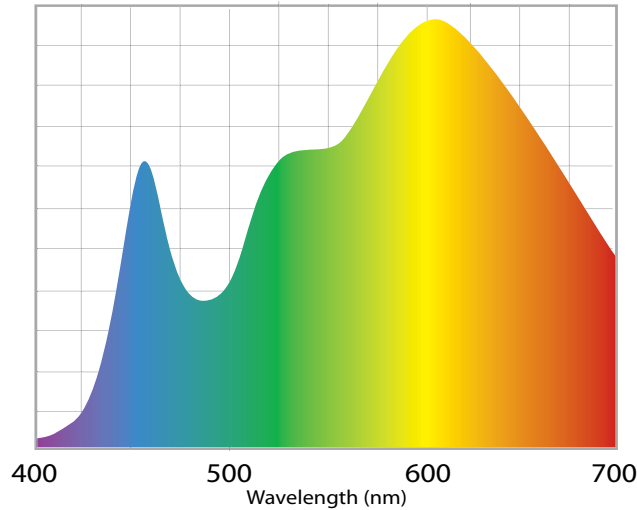
Spectral Sensitivity Curve



KODAK VISION3 500T Color Negative Film
5219/7219/SQ-219 Spectral
Sensitivity Curve (Courtesy of Kodak)



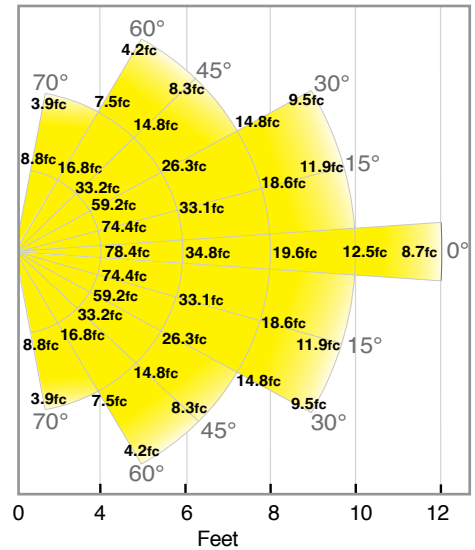
Actual Tungsten Spectral Sensitivity Curve



400 500 600 700
Wavelength (nm)

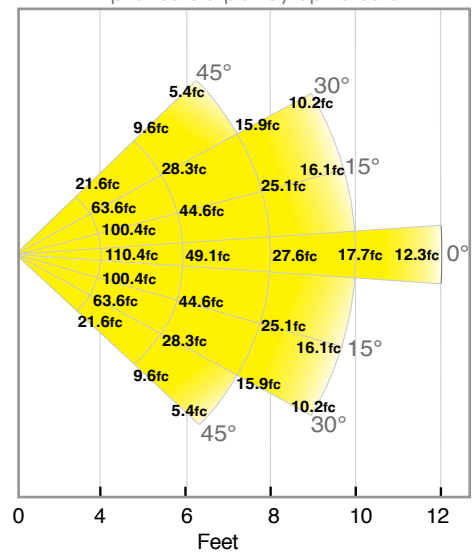
Performance Data

Stock Fixture



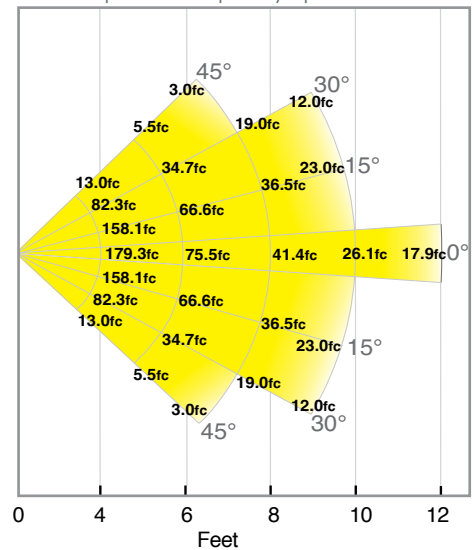
With Soft Intensifier

Improves Output by up to 50%



With Rigid Intensifier

Improves Output by up to 100%



Specifications

Head: Type 8651 Tungsten 12-Pack

Head Rating: 10 to 40 Volts D.C., 14.5 Amps max, 145 Watts max.

Control Switches: ON-OFF, D.C. INPUT SELECTOR, and LOCAL-REMOTE rocker style, mounted on back of fixture.

Dimming: 100% to 10% Local or 100% to 0% DMX.

Circuit Protection: 20 Amps panel-mount fuse.

Construction: Machined aircraft aluminum and sheet aluminum.

Finish: Black and clear anodized and black powder coat.

Mounts: Cast Aluminum Yoke with 5/8" receiver.

Connector: Lockable Neutrik.

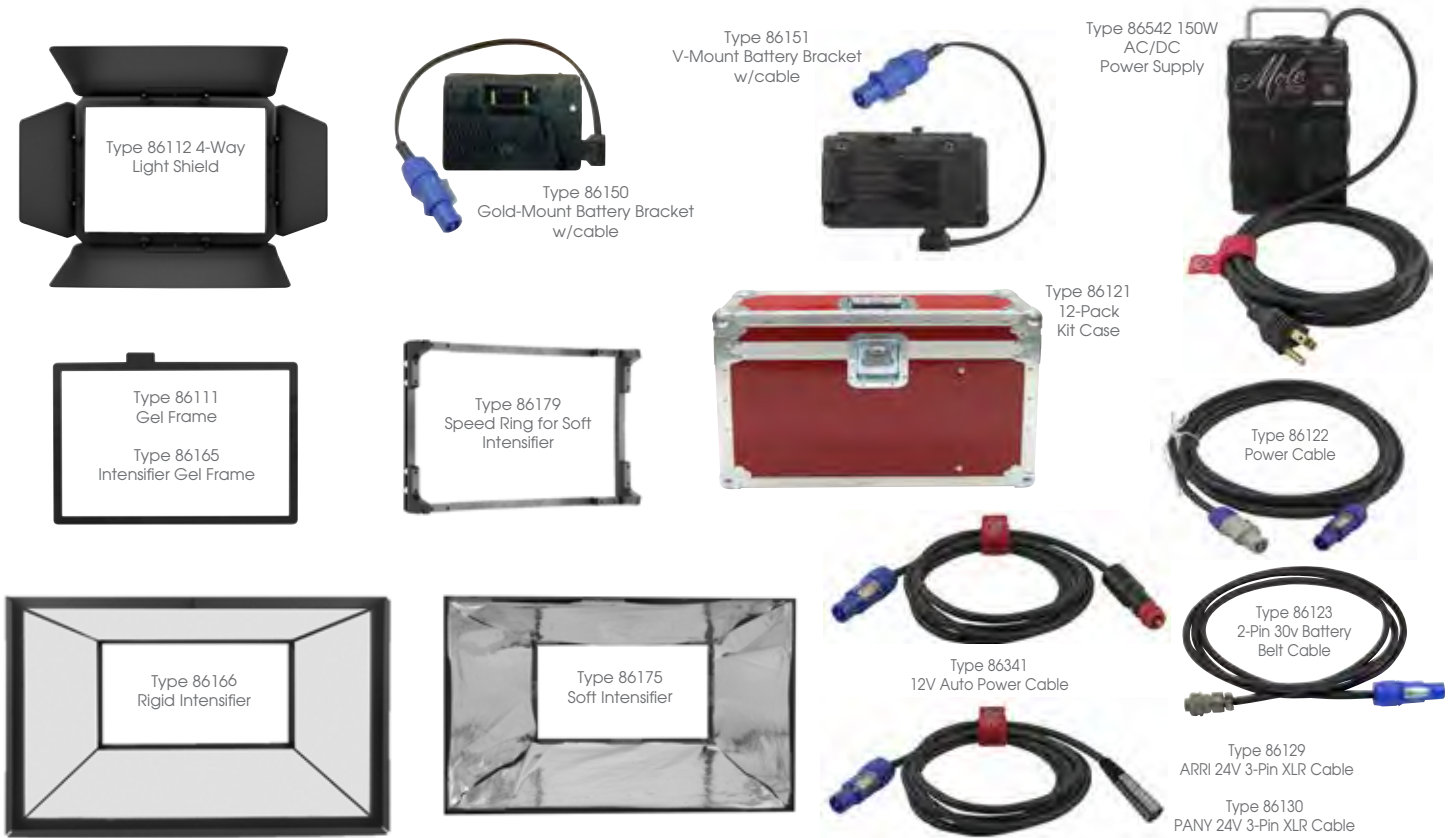
Size: 15.75" (h) x 3.625" (d) x 18.25" (w) with yoke attached.

Weight: 12 lbs with yoke attached.

External Power Supply Requirements:

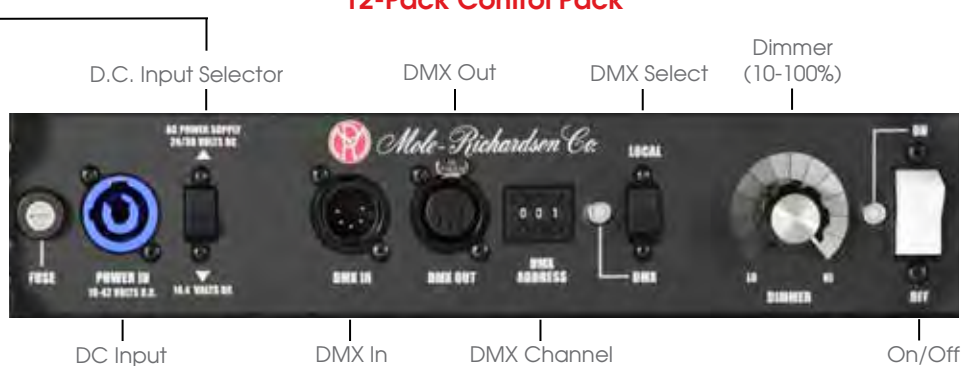
10 to 40 Volts D.C. output with 160 Watts minimum rating.

12-Pack Accessories



D.C. Input Selector

On any set today, it's all about options and the MoleLED 12-Pack now gives you more power options than ever before. If a Gold or V-Mount 14.4v DC Battery is available, set the switch to 14.4 and go to work. If a larger 24 or 30V battery is more to your liking, or you're able to run on A.C. then set the switch to that input and take advantage of the Higher Output. Please note, the 14.4v Batteries will not run the Higher Output setting.



12-Pack Kits

Type 865101
Tungsten 12-Pack Kit

Type 866101
Daylight 12-Pack Kit

Kits Contains:

- (1) 12-Pack MoleLED
- (1) Gel Frame
- (1) 4-Way Light Shield
- (1) 150W AC/DC Power Supply
- (1) 15 ft. Power Cable
- (1) Kit Case

The Tungsten and Daylight Singles

The MoleLED® Single puts the features and quality of light from the 12-Pack in the palm of your hand. The Single is a go-anywhere, rig-anywhere lighting solution designed for use in interviews or on news desks; perfect for car rigs; and a great solution for lecterns or podiums. The Single will be packaged in kits of Tungsten or Daylight or any combination of both and powered remotely from the 3-Channel Controller.



The H.O. 3-Channel Controller

This sophisticated piece of hardware does so much more than simply power the MoleLED Singles. The H.O. controller gives the technician 4-Ways to control each and every single. There is a Master Dim feature which controls all 3-Singles at the same time; there is a local dimmer to control each Single individually from the device; a DMX In and Out to control the Singles as three separate channels; and built in W-DMX wireless DMX...And if that's not enough, the H.O. Controller can be powered by Universal 90-250V 50/60-HZ A.C. or any D.C. Battery from 10-40 Volts.



The Singles Kit

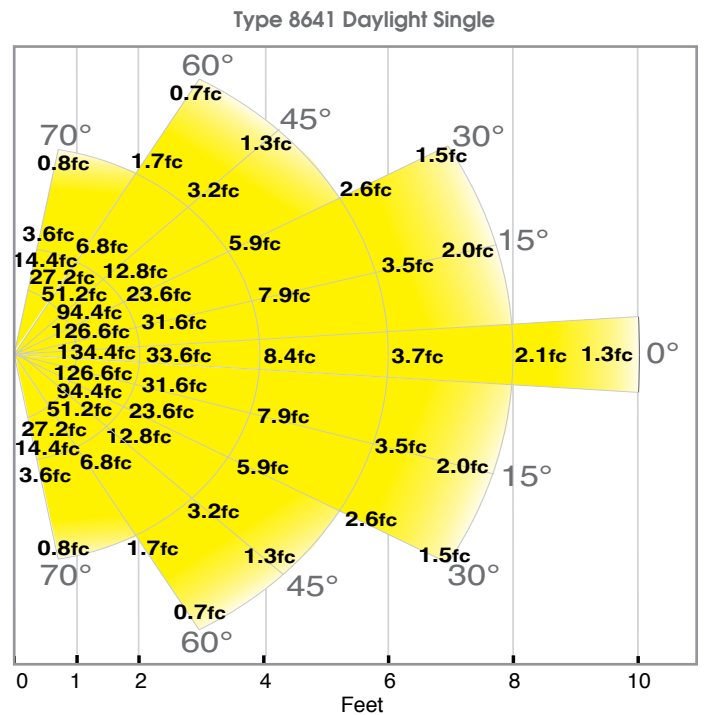
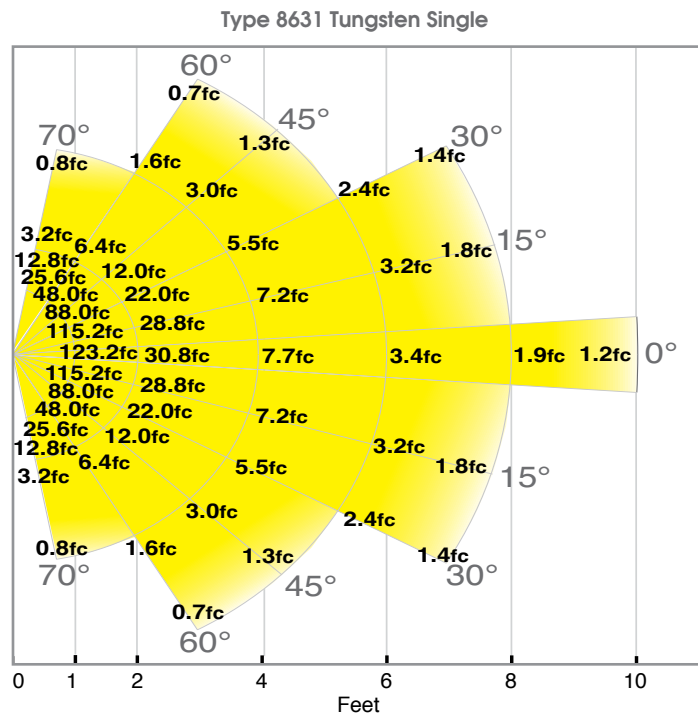
- Type 863101
Tungsten 3-Single Kit
- Type 864101
Daylight 3-Single Kit

Kits Contains:

- (3) Single MoleLED's
- (1) 3-Channel Controller
- (1) 100W AC/DC Power Supply
- (3) 10 ft. Head Cables
- (1) Tenba Air-Soft Kit Case



Performance Data



Single Specifications

Heads: Type 8631 Tungsten Single

Type 8641 Daylight Single

Head Rating: 275mA, 20 Watts max.

Connectyor: Lockable 5.5mm

Cable: Detachable

Construction: Machined aircraft aluminum and sheet steel

Finish: Black anodized, and black powder coat

Mounts: (6) 1/4"- 20 Tapped Holes

Size: 7.2"(L) x 1.3"(D) x 2"(W)

Weight: 0.9 lbs.

H.O. Controller Specifications

Model: Type 86320 H.O. 3-Channel Controller

Rating: 10 to 40 Volts D.C., 7.0 Amps max, 70 Watts max.

Input Connector: Lockable Neutrik and Lockable 5.5mm

Output Connector: (3) Lockable 5.5mm

Dimming: 1-Master and 3-Individual 100% to 10%.

DMX or W-DMX 100% to 0%

Construction: Sheet aluminum

Finish: Black anodized

Size: 4.75"(L) x 3.5"(D) x 8"(W)

Weight: 1.9 lbs.

Single Accessories



Type 86331
100W AC/DC Power Supply



Type 86360
Gold-Mount Battery Bracket
w/cable



Type 86361
V-Mount Battery Bracket
w/cable



Type 86340
3-Single Mtg. Bracket
w/ 5/8 Pin



Type 86337
Single Barn Door



Type 86341
12V Auto Power Cable



Type 86123
2-Pin 30v Battery
Belt Cable



Type 86316
Single Head
Cable



Type 86129
ARRI 24V 3-Pin XLR Cable

Type 86130
PANY 24V 3-Pin XLR Cable



Type 86347
Single Head Cable
Extender

