



NORMAN ML400/ML600 MONOLIGHTS

Norman ML400 and ML600 Monolights are loaded with features that make them a popular choice for all types of applications

Compact and powerful, these systems can handle everything from the most demanding studio assignments to high volume portrait and school photography.

These versatile systems combine Norman durability with the versatility of today's advanced electronics. The controls on Norman 400 and 600 watt-second Monolights allow power adjustments in either watt-seconds or f/stops from full power. A digital readout displays accurate, repeatable settings through a five f/stop range in 1/10-stop increments.

Additional features Include:

- Compact size and weight
- Fast, two second recycle time at full power
- Compatible with over 100 Norman accessories and light modifiers including softboxes, reflectors, grids, snoots and barn doors
- Accepts Photogenic™ Quick Change reflectors and accessories
- Optional CSK-1 software for complete control from your PC
- High-intensity modeling lamp with full, ratio and off settings
- Built-in cooling fan and over temperature protection
- Auto discharge for lower settings and power off
- Photo eye, 1/4" sync jack and optional PocketWizard™ Radio Receiver
- Lockable setting option prevents pre-established values from being changed
- Umbrella stand adapter, compatible with 3/8 through 5/8 stand mounts
- Full two year limited parts and labor warranty from date of purchase
- Independent safety approvals including ETL, CETL and FCC

Each ML400 and ML600 Includes:

- Monolight
- Flashtube
- Modeling Lamp
- 7-inch Umbrella Reflector
- Protective Flashtube Cover
- 15' Power Cord
- Sync Cord
- R9113 Adapter Ring for use with standard Norman Light Modifiers



Norman ML400R and ML600R models include built-in PocketWizard™ receivers

Norman Monolights are also available with built-in PocketWizard™ radio receivers. This unique feature allows the use of multiple lights in the studio or on location without the hassle of sync cords, and it eliminates the risk of inadvertent tripping of your lights from other strobes in the area. The built-in PocketWizard™ receiver can be set to operate from any channel selected on a compatible PocketWizard™ transmitter.

Having the PocketWizard™ receiver built into the ML400R (810644) and ML600R (810653) eliminates the need to carry and keep track of a separate receiver module and compatible cable. Best of all, the built-in unit is powered directly from the monolight, eliminating the need for batteries.





ML400 and ML600 Control Panels

- 1 **CONTROL SWITCHES:** Set power level in 1/10 stop increments. Also select display mode in f/stops or watt-seconds.
- 2 **DIGITAL DISPLAY:** Shows selected power level in either f/stops or watt-seconds from full power.
- 3 **SYNC OUTLET:** A sync cable connects to this outlet for direct tripping from camera.
- 4 **POWER SWITCH:** Switches AC power. Internal memory retains settings.
- 5 **RADIO RECEIVER:** The optional built-in PocketWizard™ receiver triggers the flash from remote transmitter.
- 6 **PHOTO EYE:** Permits remote triggering from another flash unit, without the need for a sync cable.
- 7 **MODELING LAMP CONTROL:** Selects off, full or ratio. In ratio mode the lamp tracks with flash power setting.
- 8 **TEST BUTTON:** Manually triggers the flash.
- 9 **FLASH VERIFICATION:** When selected, the modeling lamp switches on and off to confirm the unit has flashed.
- 10 **READY LIGHT:** Illuminates when unit is fully charged and ready to be triggered.



| SPECIFICATIONS | ML400 / ML400R ML400-220 / ML400R-220 | ML600 / ML600R ML600-220 / ML600R-220 |
|----------------------------|---|--|
| Power | 400 W-5 | 600 W-5 |
| Power Control | Full to -5 f/stops | Full to -5 f/stops |
| Recycle Time at Full Power | 1.9 seconds | 2 seconds |
| Flash Duration | 1/1200 second (full) | 1/1200 second (full) |
| Guide Number* | 100 @10', ISO100, bare bulb | 135 @10', ISO 100, bare bulb |
| Modeling Lamp | 150W (250W max) | 250 W |
| Modeling Lamp Control | Off, ratio and full | Off, ratio and full |
| Flashtube | Quartz, full envelope | Quartz, full envelope |
| Sync Trigger | Photo-eye, 1/2" sync jack | Photo eye, 1/2" sync jack |
| Optional Sync Trigger | Built-in PocketWizard™ | Built-in PocketWizard™ |
| Sync Voltage | 6VDC | 6VDC |
| Supply Voltage | 105-125 VAC, 60HZ, ML400/ML400R 195-240 VAC, 50-60Hz, ML400-220/ML400R-220 | 105-125 VAC, 60HZ, ML600/ML600R 195-240 VAC, 50-60 Hz, ML600-220/ML600R-220 |
| Consumption | 7A | 10A |
| Voltage Stabilization | +/- 1% | +/- 1% |
| Overload Protection | 7A circuit breaker | 10A circuit breaker |
| Weight | 4.9 pounds | 6.1 pounds |
| Dimensions | 5" W, 5" H, 6.5" D | 5" W, 5" H, 8.5" D |

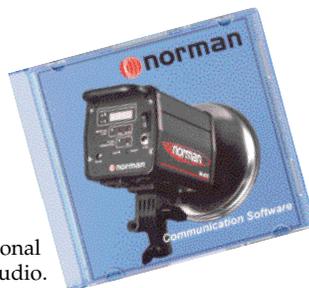
*The guide number stated was determined by measuring the bare bulb at 10 feet using ISO 100. See individual reflectors in this catalog for guide numbers using specific light modifiers at various power settings.



Monolight Communication Software CSK-1

With the Communication Software Kit CSK-1 (838819), a PC can be used to run the Norman Monolights in your studio. Complete control of every function is available, with an on-screen display that is laid out to look like the control panel of the Norman ML400/ML600 series monolights. Multiple units can be displayed and controlled, each with a unique on-screen position and name that relates to your set-up.

Each kit includes software and a 25' cable to connect the first monolight. Additional cables are available for using your PC to control multiple monolights in your studio.



Dedicated ML400 and ML600 Light Modifiers



UMBRELLA REFLECTOR AND GRIDS

The 7H (810749) is a general purpose umbrella reflector that is supplied with each Norman ML400 or ML600 Monolight. Several grids are available for use with the 7H that were designed to clip directly to the reflector rim. These honeycomb grids are available in 15, 30 and 40 degree coverage angles. All three are available as a GS7-1/2 Grid Set (810776).



BACKGROUND REFLECTORS

The 7BR (810743) is a compact Background Reflector that attaches directly to Norman ML400 and ML600 series Monolights. This low-profile device can be rotated to accurately position the projected light pattern on the background.

The 7BRS (810746) is configured the same as the 7BR, but it includes a slot that is opposite the main opening. When used as a background reflector, some of the flash is directed back at the subject as an accent light.

Monolight Adapter for All Standard Norman Reflectors and Modifiers



R9113 ADAPTER RING

The R9113 (810911) adapter ring makes it possible to use every standard Norman reflector and light modifier. On the ML400 and ML600 monolights this includes parabolic reflectors from 5 inches to 22 inches in diameter, background reflectors, snoots, barndoors, grids, and filter holders.



MLKIT800

812873

Two Light Travel Kit

- 2 – ML400 400 watt-second monolights
- 2 – WB45 White Umbrellas
- 2 – LS226-1 12' 9" Heavy duty light stands
- 1 – NL03CS Wheeled Case

MLKIT800R

812877

Same as MLKIT800 except two ML400R with built-in PocketWizard™ receivers.



MLKIT1200

812881

Two Light Travel Kit

- 2 – ML600 600 watt-second monolights
- 2 – WB45 White Umbrellas
- 2 – LS226-1 12' 9" Heavy duty light stands
- 1 – NL03CS Wheeled Case

MLKIT1200R

812885

Same as MLKIT1200 except two ML600R with built-in PocketWizard™ receivers.

MLKIT1210

812889

Three Light Single Softbox Kit

- 3 – ML400 400 watt-second monolights
- 2 – WB45 White Umbrellas
- 1 – STSB1036 10" x 36" Softbox
- 1 – SRA-NML Speedring Adapter
- 3 – LS224-1 10' Light Stands
- 1 – NL03CS Wheeled Case

MLKIT1210R

812893

Same as MLKIT1210 except three ML400R with built-in PocketWizard™ receivers.





MLKIT1400

812897

Three Light Three Softbox Kit

- 1 – ML600 600 watt-second monolight
- 2 – ML400 400 watt-second monolights
- 2 – SSB22 22" Square Softboxes
- 1 – STSB1036 10"x36" Softbox
- 3 – SRA-NML Speed Ring Adapters
- 3 – LS226-1 12' 9" Heavy Duty Light Stands
- 1 – NL03CS Wheeled Case

MLKIT1400R

812901

Same as MLKIT1400 except with one ML600R and two ML400R with built-in PocketWizard™ receivers.

MLKIT1600

812905

Three Light Travel/Studio Kit

- 2 – ML600 600 watt-second monolights
- 1 – ML400 400 watt-second monolight
- 2 – WB45 White Umbrellas
- 2 – LS226-1 12' 9" Heavy Duty Light Stands
- 1 – LS220-1 Background Light Stand
- 1 – 7BR Background Light Reflector
- 1 – NL03CS Wheeled Case

MLKIT1600R

812909

Same as MLKIT1600 except with two ML600R and one ML400R with built-in PocketWizard™ receivers.





MLKIT1700

812913

Three Light Single Softbox Kit

- 2 – ML600 600 watt-second monolights
- 1 – ML400 400 watt-second monolight
- 1 – SSB36 36" Square Softbox
- 1 – SRA-NML Speed Ring Adapter
- 1 – WB45 White Umbrella
- 2 – LS226-1 12' 9" Heavy Duty Light Stands
- 1 – LS220-1 Background Lightstand
- 1 – 7BR Background Light Reflector
- 1 – NL03CS Wheeled Case



MLKIT1700R

812917

Same as MLKIT1700 except with two ML600R and one ML400R with built-in PocketWizard™ receivers.



MLKIT1800

812921

Three Light Octagon Softbox Kit

- 2 – ML600 600 watt-second monolights
- 1 – ML400 400 watt-second monolight
- 1 – OSB36 36" Octagon softbox
- 1 – SSB36 36" Square softbox
- 2 – SRA-NML Speed Ring Adapters
- 2 – LS226-1 12' 9" Heavy Duty Light Stands
- 1 – LS220-1 Background Lightstand
- 1 – 7BR Background Light Reflector

MLKIT1800R

812925

Same as MLKIT1800 except with two ML600R and one ML400R with built-in PocketWizard™ receivers.

MLKIT2000

812937

Four Light Studio Three Softbox Kit

- 2 – ML600 600 watt-second monolights
- 2 – ML400 400 watt-second monolights
- 2 – RSB2432 24"x32" Softboxes
- 1 – STSB1036 10"x36" Softbox
- 3 – SRA-NML Speed Ring Adapters
- 1 – LS230-1 Boom Arm
- 3 – LS226-1 12' 9" Heavy duty light stands
- 1 – LS220-1 Background Light stand
- 1 – 7BR Background light Reflector



MLKIT2000R

812941

Same as MLKIT2000 except with two ML600R and two ML400R with built-in PocketWizard™ receivers.



NORMAN SERIES 900 DIGITAL POWER SUPPLIES



D24
810602



D12
810815

The Norman D12 and D24 for reliable and versatile commercial lighting

Commercial photographers need lighting equipment that will provide the power, repeatability and versatility required to handle the endless variety of assignments they encounter on a daily basis. Norman Series 900 equipment has always been able to meet these challenges, and the D12 (810815) and D24 (810602) Digital Power Supplies are no exception.

These 1200 and 2400 watt-second systems incorporate four lamphead outlets with digital displays and individual on/off switching. Power levels are adjusted through two channels, each with a five-stop range that are adjustable in 1/10 stop increments. You can also combine the two channels to deliver full power to a single lamphead or to create a symmetrical power supply.

Additional features include:

- Compatible with all Series 900 Lampheads and related light modifiers
- Optional software for complete control from your PC
- Photo eye, 1/4" sync jack and optional PocketWizard™ Radio Receiver
- Accurate digital controls with LED display for each lamphead
- Easy to use rotary knobs control power settings and modeling light levels
- Selectable audible and visual flash verification
- Misfire alarm for each lamphead
- Flash repeatability of 1/20 stop at full power
- Slow charge option allows shooting at locations with sub-par wiring
- Full two year limited parts and labor warranty
- Independent safety approvals including ETL, CETL and FCC

Norman D12R and D24R models include built-in PocketWizard™ receivers



Norman Power Supplies are also available with built-in PocketWizard™ radio receivers. This unique feature allows these power supplies to be used in the studio or on location without the hassle of sync cords, and it eliminates the risk of inadvertent tripping of your lights from other strobes in the area. The built-in PocketWizard™ receiver can be set to operate from any channel selected on a compatible PocketWizard™ transmitter.

Having the PocketWizard™ receiver built into the D12R (810710) and D24R (810818) eliminates the need to carry and keep track of a separate receiver module and compatible cable. Best of all, the built-in unit is powered directly from the power supply, eliminating the need for batteries.



D12 and D24 Control Panels

1 **LED DISPLAY:** Displays the power in watt-seconds that has been set for that lamphead.

2 **POWER SWITCH:** Switches AC power on/off.

3 **AC POWER INLET:** 115 volt 60 Hz power input, stabilized to provide repeatability of 1/20 stop at full power.

4 **RESET 15 AMP CIRCUIT BREAKER:** Automatically protects the flash circuit against excessive overloads.

5 **SYNC OUTLETS:** Two sync outlets for multiple cameras or meters.

6 **COMPUTER CONTROL MODULAR JACK:** Used to connect the power pack to a PC via serial port when using Norman Power Supply Communication Software.

7 **LAMPHEAD ENABLE:** Allows a lamphead to be turned off without unplugging it.

8 **MODELING LAMP:** Can be set to full, ratio or off.

9 **FLASH VERIFICATION:** Audible verification and visual verification.

10 **COMBINE:** When the pack is in combine mode, all of the power in the power pack is distributed evenly to all lampheads that are enabled.

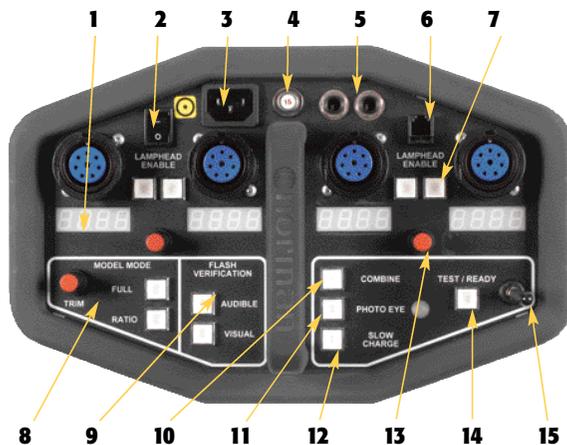
11 **PHOTO EYE:** Can be switched on to permit remote triggering from another flash source.

12 **SLOW CHARGE:** When enabled the units recycle time is increased, which is useful when shooting at a location that has sub-par wiring.

13 **POWER TRIM KNOBS:** Adjusts the flash output from full to -5 f/stops in 1/10 stop increments.

14 **TEST BUTTON/READY LIGHT:** Press button to manually flash unit. Switch will light when ready to be triggered.

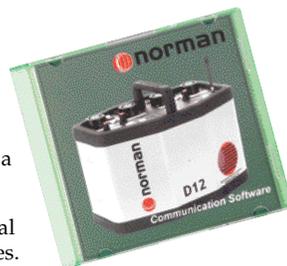
15 **ANTENNA:** For built-in PocketWizard™ Radio Receiver.



Power Supply Communication Software

With the Communication Software Kit CSK-1 (838819), a PC can be used to run all of the Norman D12 and D24 Power Supplies in your studio. Complete control of every function is available, with an on-screen display that is laid out to look like the control panel of the power supply. Multiple units can be displayed and controlled, each with a unique on-screen position and name that relates to your set-up.

Each kit includes software and a 25' cable to connect the first power supply. Additional cables are available for using your PC to control multiple D12 and D24 Power Supplies.



| Specifications | D12 / D12R | D24 / D24R |
|------------------------------------|---------------------------|---------------------------|
| Power | 1200 watt-seconds | 2400 watt-seconds |
| Power Control | Full to -5 f/stops | Full to -5 f/stops |
| Recycle Time at Full Power | 2.0 seconds | 2.6 seconds |
| Flash Duration | 1/1600 second (full) | 1/800 second (full) |
| Guide Number* | 220 @10', ISO 100 | 320 @10', ISO 100 |
| Sync Trigger | Photo eye, 1/4" sync jack | Photo eye, 1/4" sync jack |
| Optional Sync Trigger | Built-in PocketWizard™ | Built-in PocketWizard™ |
| Sync Voltage | 6 VDC | 6 VDC |
| Flashtube | Quartz | Quartz |
| Modeling Lamp Control | Off, ratio, full and trim | Off, ratio, full & trim |
| Supply Voltage | 105-125 VAC, 60HZ | 105-125 VAC, 60HZ |
| Consumption | 15A | 15A |
| Voltage Stabilization | +/- 1% | +/- 1% |
| Overload Protection | 15A circuit breaker | 15A circuit breaker |
| Dimensions (height, width, length) | 7.5" X 7.4" X 11.7" | 10.5" X 7.4" X 11.7" |
| Weight | 12.3 pounds | 18.2 pounds |

*The guide number stated was determined by measuring the bare bulb at 10 feet using ISO 100. See individual reflectors in this catalog for guide numbers using specific light modifiers at various power settings.



NORMAN D24 SERIES 900 LAMPHEADS

The IL2500 Illuminator is the ultimate Lamphead for all Series 900 Norman Power Supplies

Compact and rugged, it is a good choice for all studio applications and its small size makes it an even better choice for location assignments. Weighing only two pounds, the IL2500 with the R9110 Flashtube Cover installed measures just 5" wide, 7" high and 7" deep.

IL2500 Illuminator Features:

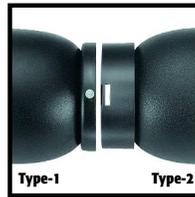
- Rated at 2500 watt seconds
- Built-in blower for cooler operation
- Made of high-impact, 400° rated GE Ultem™
- 20' disconnect cable
- Compatible with all Norman type 1 and type 2 reflectors
- FQ5 color corrected flash tube
- 250 watt modeling lamp
- Friction float stand adapter with built-in umbrella mount



IL2500
810614



The IL2500 cable can be disconnected from the lamphead for compact travel and storage.



Type-1 **Type-2**

The IL2500 Lamphead can be used with all standard Norman spring pin mount reflectors, and "type-2" reflectors with push button release.

LH2000 Lamphead

A lamphead in a metal housing, the LH2000 is compatible with all Series 900 power supplies. It can be used with standard Norman reflectors and light modifiers, including the entire line of softboxes. Each LH2000 includes a flashtube rated at 2500 w-s, 150 watt modeling lamp, 20' cable and locking teeth style umbrella stand adapter.

In situations where a light modifier is used that might restrict airflow around the modeling lamp and flashtube, the optional R9114 constant-speed blower is recommended.



R9114 Blower

LH2000
810620
LH2000B with Blower
812213

LH2400 Lamphead

The LH2400 Lamphead has been a significant part of the Norman line-up for many years. It can be used with any series 900 Power Supply, including the current D12 and D24. This reliable head includes a flashtube rated at 2500 w-s, 150 watt modeling lamp, 20' cable and friction float stand adapter.

The LH2400B (810626) includes the R9124 (812521) Blower for use with light modifiers that restrict airflow, such as a softbox, grid, diffusion dome, filters and gels.



LH2400
810623

LH2400B
810626



D12-2 Kit

812959

1200 Watt-Seconds Umbrella Kit

- 1 - D12 Power Supply
- 2 - IL2500 Lamp Heads
- 2 - 5DL Reflectors
- 2 - LS226-1 Lightstands
- 2 - WB45 Umbrellas
- 1 - NL03CS Wheeled Case

D12R-2 Kit

812963

Same as D12-2 Kit except with a D12R Power Supply with built-in PocketWizard™ receiver.

D12-4 Kit

812967

1200 Watt-Seconds 4 Light Kit

- 1 - D12 Power Supply
- 4 - IL2500 Lamp Heads
- 4 - 5DL Reflectors

D12R-4 Kit

812971

Same as D12-4 Kit except with a D12R Power Supply with built-in PocketWizard™ receiver .



D24-2 Kit

812975

2400 Watt-Seconds Basic Kit

- 1 - D24 Power Supply
- 2 - IL2500 Lamp Head
- 2 - 5DL Reflectors
- 2 - LS226-1 Light Stand
- 2 - WB45 Umbrella
- 1 - NL03CS Wheeled Case

D24R-2 Kit

812979

Same as D24-2 Kit except with a D24R Power Supply with built-in PocketWizard™ receiver

D24-4 Kit

812983

2400 Watt-Seconds 4 Light Kit

- 1 - D24 Power Supply
- 4 - IL2500 Lamp Head
- 4 - 5DL Reflectors

D24R-4 Kit

812987

Same as D24-4 Kit except with a D24R Power Supply with built-in PocketWizard™ receiver





P808m
810665

P808m Power Supply

The P808m Power Supply was built for high volume school photography. It incorporates four independently controlled lampheads that can be set to full, half, quarter power or off, equaling 200, 100 and 50 watt-second settings. Channel power can also be combined to use 400 w-s on one or two lampheads, and even 800 w-s is possible when using a single LH500+ Lamphead.

A three-position modeling lamp switch allows the lamps to ratio with the flash power level, remain on full or be switched off completely. The fail-to-flash alarm system provides an audible signal in the event of a lamphead misfire.



P808m/TLC
810666



P808-1200TLC
810836

P808m/TLC and P808-1200TLC Power Supplies

The P808m/TLC has the same great features as the P808m, along with a switch guard feature that prevents settings from being inadvertently changed during travel or set-up.

It is also important in school photography to properly expose each subject without altering the background exposure. The Tone Light Control (TLC) feature uses a small controller attached to the camera, which will allow subject lighting only to be set to any one of three levels on a per-subject basis. The P808m/TLC can be ordered with a factory set TLC mode to control the fill light, or the main and fill in either two or three output levels.

The P808-1200TLC incorporates all of the features from the P808m/TLC, and adds one stop of power to outlets #1 and #2. Now you have 400 w-s available on these channels when more power is required. A switch on the power supply allows all 1200 watt-seconds to be used on a single LH500+ lamphead. TLC options to control the fill light, or the main and fill include two levels of 200 and 400 w-s or three levels at 200, 300 and 400 w-s.



TLC10 Controller
810683

TLC10 Controller

The TLC10 Controller can be mounted in a convenient place on or near the camera using Velcro™. A supplied 8' phone cord connects it to the power pack, and another cable is connected to the camera sync. A home-base switch on the power supply allows the TLC to automatically return to that setting after each exposure.

| Specifications | P808m & P808m / TLC | P808-1200 / TLC |
|------------------------------------|---------------------|---------------------|
| Power | 800 watt-seconds | 1200 watt-seconds |
| Lamp Outlets | 4 | 4 |
| Channels | 4 | 4 |
| Single Lamphead Power Options | 50 to 800 w-s | 50 to 1200 w-s |
| Full Power Recycle Time | 2 seconds | 5 seconds |
| Sync Trigger | 1/4" sync jack | 1/4" sync jack |
| Sync Voltage | 15 VDC | 15 VDC |
| Lamphead Compatibility | Series 500 | Series 500 |
| Modeling Lamp Control | Ratio, full & off | Ratio, full & off |
| Supply Voltage | 105-125 VAC, 60HZ | 105-125 VAC, 60HZ |
| Circuit Breaker | 15A at 115 VAC | 15A at 115 VAC |
| Dimensions (height, width, length) | 7" X 6.4" X 8.6" | 9.88" X 6.4" X 8.6" |
| Weight | 9.7 pounds | 12.3 pounds |

LH500 Lampheads

Made of high impact fiberglass resin, the LH500 Lampheads will not dent, crack or scratch. It includes a 150-watt modeling lamp, 600 watt-second flashtube, 20' cable and Friction Float Stand Adapter.

LH500

The LH500 (810788) is compatible with all Series 500 power supplies, including the P808m, P808m/TLC and P808-1200TLC. It can be used with all standard Norman reflectors and light modifiers. The LH500 does not have a blower. However the R9124 (812521) blower can be added to standard LH500 lampheads.

LH500B

The LH500B (810791) is the LH500 Lamphead with a constant-speed blower. This version is recommended when using any light modifiers that restrict airflow.

LH500+

When using the P808m at 800 watt-seconds or the P808-1200TLC at 1200 watt-seconds, the LH500+ (810789) Lamphead is required.

LH500B+

When airflow is restricted by a light modifier, the LH500B+ (812234) with a constant-speed blower is also available.



LH500
810788

LH500B
810791



5DL
810728

The 5DL is our best umbrella reflector. Its compact 5" diameter makes it great for location work, and the 130 degree coverage is nice for lighting backgrounds.



5DL-RP
811800

Incorporating the RP-1 Diffusion Dome, the 5DL-RP softens the light and integrates the flashtube and modeling lamp for accurate previewing. This is especially important when using barn doors, grids and snoots.

A variety of light modifiers are available for use with Norman 5" Reflectors

The GH5 Grid Holder snaps onto the reflector rim allowing a variety of Grids to be quickly installed and removed. Ideal for hair and accent lighting, Norman offers 1/2 inch thick Grids in 15, 30 and 40 degree coverage.



GH5 Grid holder
810695



With G5-1/2-15 Grid
812129
With G5-1/2-30 Grid
812136
With G5-1/2-40 Grid
812143

The Norman FFH5 Filter Frame Holder mounts on the outside of the reflector rim. This allows quick exchange of filters mounted in the FF5 Filter Frame, for precise control and dramatic effects. Norman also offers sets of high temperature color gel, neutral density and diffusion filters.



FFH5 Filter Frame Holder
812045



With FF5 Filter Frame
810878

The four wing BD45 Barn Door can be mounted on the outside of the 5DL Reflector rim to feather and control the direction of light. It can be rotated to easily shield light from backgrounds and prevent lens flare. This Barn Door also has a built-in holder for the FF5 Filter Frame.



BD45 Barn Door
810869



With FF5 Filter Frame
810878

The square 15 degree G45 Grid can be attached to the rim of the 5DL Reflector for use as a hair or accent light. Its unique design also includes a drop-in slot behind the grid for adding color gels, neutral density or diffusion using the FF5 Filter Frame.



G45 Grid
810698



With FF5 Filter Frame
810878

5DL Light Output (ISO 100 @ 10 FEET)

| | 100 | 200 | 400 | 800 | 1200 | 1600 | 2000 | 2400 | 4800 |
|--|--|------|-----|-----|------|------|------|------|------|
| Watt-seconds | 100 | 200 | 400 | 800 | 1200 | 1600 | 2000 | 2400 | 4800 |
| f/stop | 4' | 5.6' | 8' | 11' | 16 | 16' | 16' | 22 | 22' |
| Guide Number | 48 | 68 | 95 | 135 | 160 | 190 | 210 | 220 | 310 |
| Grids | 7.5° grid (-1' stop), 15° grid (-1 stop), 30° grid (-7/10 stop), 40° grid (-6/10 stop) | | | | | | | | |
| RP-1 diffusion dome will reduce light by 3/10 stop | | | | | | | | | |



A variety of light modifiers are available for use with Norman 10" Reflectors



5E
810731

The 5E is our most popular and versatile reflector, widely used throughout all phases of the industry. This 10 inch 60 degree reflector provides a medium-hard light with specular highlights.



5E-RP
811821

Incorporating the RP-1 Diffusion Dome, the 5E-RP softens the light and integrates the flashtube and modeling lamp for accurate previewing. This is especially important when using barn doors, grids and snoots.

The Norman FFH10 Filter Frame Holder mounts on the outside of the reflector rim. This allows quick exchange of filters mounted in the FF10 Filter Frame, for precise control and dramatic effects.

Norman also offers sets of high temperature color gel, neutral density and diffusion filters.



FFH10 Filter Frame Holder
810887



With FF10 Filter Frame
810881

The four wing BD410 Barn Door can be mounted on the outside of the 5E Reflector rim to feather and control the direction of light. It can be rotated to easily shield light from backgrounds and prevent lens flare.

This Barn Door also has a built-in holder for the FF10 Filter Frame.



BD410 Barn Door
810872



With FF10 Filter Frame
810881

5E Light Output (ISO 100 @ 10 FEET)

| | | | | | | | | | |
|---|---|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Watt-seconds | 100 | 200 | 400 | 800 | 1200 | 1600 | 2000 | 2400 | 4800 |
| f-stop | 8' | 11' | 16' | 22' | 22' | 32' | 32' | 32' | 45' |
| Guide number | 83 | 115 | 166 | 230 | 280 | 333 | 372 | 398 | 545 |
| Grids | 7.5° grid (-1 1/10 stop), 15° grid (-1 stop), 30° grid (-7/10 stop), 40° grid (-6/10 stop) | | | | | | | | |
| RP-1 diffusion dome will reduce light by 7/10 stop | | | | | | | | | |

16" Reflector and Light Modifiers

The 16" 5WW Reflector provides a nice blend of high-output and lighting softness, creating good specular highlights and well defined shadows. The wide diameter and 70° angle will produce a medium-hard light that is excellent for facial portrait lighting.

Adding the RP1 Diffusion Dome creates an 80° angle of coverage for the 5WW-RP. It also softens the light and integrates the flashtube and modeling lamp for accurate previewing.



The four wing BD416 Barn Door (810875) is attached to the outside of the 5WW Reflector rim to feather and control the direction of light. It can be rotated to easily shield light from backgrounds and prevent lens flare.

22" Reflector and Light Modifiers

The 22 inch 5X Reflector has a deflector in front of the flashtube that bounces light into its flat white surface, to produce a light that is frequently compared to a softbox. This wrap-around light quality creates a unique blend of smooth, broad highlights with open shadows. Optimum results from this 130° reflector are achieved when used close to the subject.

As the light is moved back, the 5X becomes a smooth broad source for full length or group photography. Its wide coverage also works well for interior and commercial applications.



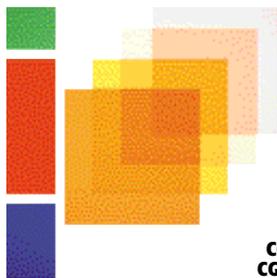
The BD422 (810752) is a sturdy, lightweight Barn Door with four corrugated wings mounted on a metal framework. It gives full control of 5X Reflector coverage.

Light Output (ISO 100 @ 10 FEET)

| Watt-seconds | 100 | 200 | 400 | 800 | 1200 | 1600 | 2000 | 2400 | 4800 |
|---------------------|------|------|-----|-----|------|------|------|------|------|
| 5WW f/stop | 5.6' | 8' | 11' | 16' | 22' | 22' | 22' | 32' | 32' |
| 5WW Guide Number | 68 | 95 | 135 | 190 | 220 | 270 | 300 | 320 | 428 |
| 5WW-RP f/stop | 5.6 | 8 | 11 | 16 | 16' | 22' | 22' | 22' | 32' |
| 5WW-RP Guide Number | 56 | 80 | 110 | 160 | 190 | 220 | 250 | 280 | 368 |
| 5X f/stop | 4' | 5.6' | 8' | 11' | 11' | 16' | 16' | 16' | 22' |
| 5X Guide Number | 46 | 66 | 92 | 130 | 155 | 184 | 202 | 214 | 300 |

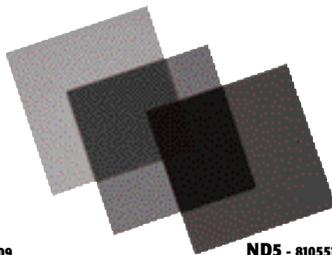


Gels and Filters



CG5 - 810509
CG10 - 810506
CG16 - 810515

Color Gel Packs are available in 5", 10" and 16" square sizes, for use with Norman filter frames in filter frame holders, barn doors and square grids. Each pack contains seven high temperature filters that can be used for adding background color, warming skin tones or other special lighting effects. They can also be combined to create additional colors and effects.



ND5 - 810551
ND10 - 810557
ND16 - 810569

Neutral Density Packs supplied in sets of three are used to reduce light output without adjusting power supply settings or to achieve a specific lighting ratio from a single channel. The 5", 10" and 16" sets include high temperature filters that will reduce the light 1 f/stop, 2 f/stops and 3 f/stops. The filters can also be stacked to extend the range to 4, 5 or 6 f/stops.



DF45 - 810755
DF410 - 810758

Diffusion Packs available in 5" and 10" sizes, include four diffusion sheets designed to withstand high temperature conditions. Each pack includes one lightly frosted and one medium frosted filter for normal diffusion and two striated diffusers that allow the angle of coverage to be increased or decreased. These diffusers can be used in various combinations to create softer, more even lighting and reduce harsh shadows.

Lamphead Accessories



R9109 Flashtube Cover (810599) for standard Norman Lamphead



R9113 Adapter (810911) for standard Norman Reflectors on ML400 & ML600 Monolights



R9111 Reflector Cover (810677) for all Norman 5" reflectors



R9112 Adapter (810908) for using standard Reflectors on IL2500 Lamphead

Standard Norman Mount Specialty Light Modifiers



The 5BP Barn Door Blind (810722) is a special accessory used for background and accent lighting. It produces a 180° diffused "bare-bulb" quality of light, with hinged barn doors that control angle and coverage of light.



The 5C Snoot (810725) adapts to Norman lampheads using standard reflector pins, tunneling the light to form a 30° spot illumination. An excellent hair light for portraiture or accent light for people or products. Fits all standard Norman light heads.

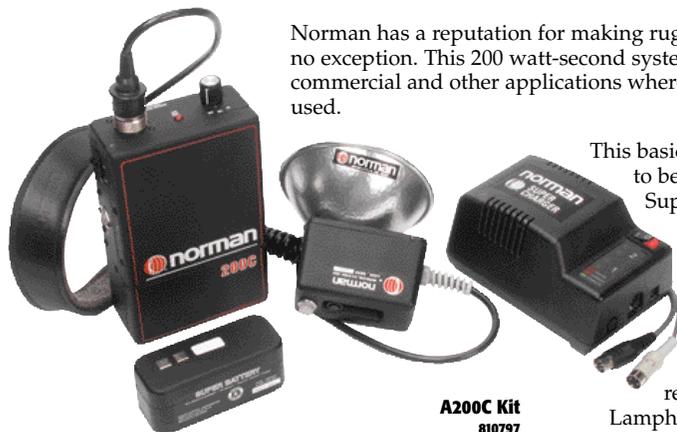


The R4109-B Snoot (810800) attaches to the outside of any Norman 5" reflector, including the 5DL. Commonly used as a hair or accent light, the R4109-B Snoot performs best when used with the RP1 Diffusion Dome. Fits all standard Norman light heads.



Norman A200C Kit

Norman has a reputation for making rugged portable flash systems and the A200C is no exception. This 200 watt-second system is a good fit for wedding, press, commercial and other applications where quality professional portable lighting is used.



A200C Kit
810797

This basic kit combines all of the items you will need to be operational, including the P200C Power Supply with contour shoulder strap, LH2K Lamphead with 2D Reflector, B4126 Battery, SC Super Charger and all related cables. Batteries can be charged from 115V or 230V AC.

Also available is the A200C-M (810803) kit with a 50 watt modeling lamp in the reflector. In this kit we substitute a LH2K-M Lamphead with modeling lamp circuit and a 2D-ML reflector with a 50 watt quartz modeling lamp.

| Model # (Part #) | Description | Battery Pack | Battery | Lamp Head | Reflector | Strap | Charger |
|---------------------|--------------------|-------------------|-------------------|--------------------|-------------------|-------------------|---------------------|
| A200C (810797) | Basic Kit | P200C (810830) | B4124 (812866) | LH2K (812220) | 2D (810701) | R4127 (810686) | SC-200C (812584) |
| A200C-M (810803) | Modeling Light Kit | P200C (810830) | B4124 (812866) | LH2K-M (812831) | 2D-ML (810704) | R4127 (810686) | SC-200C (812584) |
| A200CR (810806) | PocketWizard® Kit | P200C (810830) | B4124 (812866) | LH2KR (812225) | 2D (810701) | R4127 (810686) | SC-200C (812584) |

Available with built-in PocketWizard™ Transceivers

All versions of the Norman Battery Portable Kits are also available with lampheads that include built-in PocketWizard™ Radio Transceivers. You can now trip single or multiple remote flash systems without the hassle of trip cords or photo eyes. This system can be set to operate from any channel selected on your PocketWizard™ transceiver. The transceiver sends a confirmation whenever a signal is received.





Norman A400B Kit

Able to deliver up to 400 watt-seconds of power, the Norman A400B is our most popular Battery Portable system. Designed for the professional, the 400B is built tough for many years of hard use. All Norman Battery Portable systems can be charged from 115 or 230 VAC and are CE tested for assignments almost anywhere.

The A400B basic kit includes the P400B Power Supply with contour shoulder strap, LH52K Lamphead with 2D Reflector, two B5122 Batteries, SC Super Charger and all related cables. The A400B-M modeling light version substitutes a LH52K-M Lamphead with modeling lamp circuit and a 2D-ML reflector with a 50 watt quartz modeling lamp.

As a part of our Series 500 equipment line, the A400B can be used with a wide assortment of accessory items.



A400B Kit
810809

| Model # (Part #) | Description | Battery Pack | Battery | Lamp Head | Reflector | Strap | Charger |
|----------------------|--------------------------------------|-------------------|-----------------------|----------------------|-------------------|-------------------|---------------------|
| A400B (810809) | Basic Kit | P400B (812332) | 2 - B5122 (812863) | LH52K (810782) | 2D (810701) | R4127 (810686) | SC-400B (810860) |
| A400B-R (810903) | PocketWizard® Kit | P400B (812332) | 2 - B5122 (812863) | LH52KR (810785) | 2D (810701) | R4127 (810686) | SC-400B (810860) |
| A400B-M (810821) | Modeling Light Kit | P400B (812332) | 2 - B5122 (812863) | LH52K-M (812241) | 2D-ML (810704) | R4127 (810686) | SC-400B (810860) |
| A400BR-M (810812) | Modeling Light/ PocketWizard® Kit | P400B (812332) | 2 - B5122 (812863) | LH52KR-M (812794) | 2D-ML (810704) | R4127 (810686) | SC-400B (810860) |

| Specifications | 200C | 400B |
|---------------------------|--------------------------|---------------------------|
| Maximum Watt-Seconds | 200 | 400 |
| Power Output Levels | 200, 100 and 50 | 400, 200, 100 and 50 |
| Sync Voltage | 12 VDC | 5 VDC |
| Battery Type | Sub-C Nickel Cadmium | Sub-C Nickel Cadmium |
| Battery Operating Voltage | 12 VDC | 12VDC |
| Power Pack Dimensions | 8.1" H x 4.8" L x 2.3" W | 10.5" H x 5.3" L x 3.3" W |
| Power Pack Weight | 3.75 lbs | 6 lbs |

| Specifications | 400 W-S | 200 W-S | 100 W-S | 50 W-S |
|---------------------|--------------|---------------|---------------|---------------|
| 200C Recycle Time | - | 1.5 seconds | .80 seconds | .35 seconds |
| 400B Recycle Time | 3 seconds | 1.5 seconds | .80 seconds | .35 seconds |
| 200C Flash Duration | - | 1/900 second | 1/1800 second | 1/3600 second |
| 400B Flash Duration | 1/900 second | 1/1800 second | 1/3600 second | 1/7200 second |

See Guide numbers on page 21



BATTERY PORTABLE LAMPHEADS

Battery Portable Lampheads

Norman offers spare and replacement Lampheads that include a 5' coiled cord and a flashtube. For use with our Series 450 P200B and P200C we have the LH2K (812220) standard Lamphead and the LH2K-M (812831) version with the modeling lamp circuit. For the Series 500 P400B, we have the standard LH52K (810782) Lamphead and the LH52K-M (812241) Lamphead for use with modeling lamp reflectors.



| Model | For Power Supply | W-S Rating | Flashtube | Cord |
|------------------------|------------------|------------|----------------|--------------|
| LH2 (810827) Standard | P200C (810830) | 200WS | FT120 (810920) | 20' Straight |
| LH52 (810779) Standard | P400B (812332) | 400WS | FT400 (812822) | 20' Straight |



| Model | For Power Supply | W-S Rating | Flashtube | Cord |
|--------------------------|------------------|------------|----------------|-----------|
| LH2K (812220) Coil Cord | P200C (810830) | 200WS | FT120 (810920) | 5' Coiled |
| LH52K (810782) Coil Cord | P400B (812322) | 400WS | FT400 (812822) | 5' Coiled |



| Model | For Power Supply | W-S Rating | Flashtube | Cord |
|------------------------------------|------------------|------------|----------------|-----------|
| LH2KR (812225) with PocketWizard™ | P200C (810830) | 200WS | FT120 (810920) | 5' Coiled |
| LH52KR (810785) with PocketWizard™ | P400B (812332) | 400WS | FT400 (812822) | 5' Coiled |



| Model | For Power Supply | W-S Rating | Flashtube | Cord |
|-------------------------------------|------------------|------------|----------------|-----------|
| LH2K-M (812831) with modeling lamp | P200C (810830) | 200WS | FT120 (810920) | 5' Coiled |
| LH52K-M (812241) with modeling lamp | P400C (812332) | 400WS | FT400 (812822) | 5' Coiled |



| Model | For Power Supply | W-S Rating | Flashtube | Cord |
|--|------------------|------------|----------------|-----------|
| LH2KR-M (812837) with PocketWizard™ & modeling lamp | P200C (810830) | 200WS | FT120 (810920) | 5' Coiled |
| LH52KR-M (812794) with PocketWizard™ & modeling lamp | P400C (812332) | 400WS | FT400 (812822) | 5' Coiled |



Battery Portable Reflectors



The 2D (810701) is a 5" general-purpose reflector with a textured semi-gloss surface that produces that distinctive quality of light only found on Norman portable systems. Compatible with all 5" reflector mounted light modifiers.



The 2D-ML (810704) is the same great 2D reflector with a 50 watt 12 volt modeling lamp that plugs directly into the side of the LH2K-M and LH52K-M Lampheads. It works great as a focusing aid or to see reflections and shadows.



Similar to the 2D, the 2D-RP (810707) has a flat white surface and a diffusion dome that provides soft, even lighting that is perfect for brides and other portraiture. Also available as a 2DRP-ML (810713) with a 50 watt modeling lamp.



The 2Q (810719) 6" umbrella reflector converts 200C or 400B into a studio system. Includes 150 watt quartz modeling lamp with AC connector that connects to the R4153 AC Extension Cable.



The 2H (811765) 8" telephoto reflector projects a narrow beam of highly efficient light that is 4 1/2 stops faster than standard 2D reflector! Used with long lenses for sports, racing, wildlife and other applications where you can not get close to the subject.

Light Output in f/stops (ISO 100 @10 feet)

| Reflector | Coverage | 50 w-s | | 100 w-s | | 200 w-s | | 400 w-s | |
|-----------|----------|--------|-----|---------|-----|---------|-----|---------|-----|
| | | f/stop | GN | f/stop | GN | f/stop | GN | f/stop | GN |
| 2D | 60° | 5.6' | 68 | 8' | 95 | 11' | 135 | 16' | 190 |
| 2D-RP | 90° | 4 | 40 | 5.6 | 60 | 8 | 80 | 8' | 104 |
| 2Q | 60° | 5.6' | 68 | 8' | 95 | 11' | 135 | 16' | 178 |
| 2H | 20° | 32 | 320 | 45 | 450 | 64 | 640 | 64' | 848 |

Light Modifiers



The GH5 Grid Holder (810695) easily snaps onto the outside of our 5" reflectors. Norman offers 1/2 inch thick Grids in 15 (812129), 30 (812136) and 40 (812143) degree coverage.



The Norman FFH5 Filter Frame Holder (812045) mounts on the outside of the reflector rim, allowing quick exchange of filters mounted in the FF5 Filter Frame (810878). Norman also offers color gel, neutral density and diffusion filters.



The four wing BD45 Barn Door (810869) mounts on the outside of the reflector rim. It can be rotated to easily shield light from backgrounds and prevent lens flare. This Barn Door also has a built-in holder for the FF5 Filter Frame (810878).

Battery Portable Softboxes

You can now get quality softbox lighting from your battery portable flash system. Designed for Norman LH2 and LH52 portable heads, the 12 inch square SSB12-BP and the 19 inch octagonal OSB19-BP can also be used on most Quantum® Q Flash and Lumedyne® lampheads.

Much like the Norman Studio Softbox design, these units "pop-up" like an umbrella. No loose parts, speed ring adapter or assembly is required and each Softbox attaches to the lamphead like a standard reflector.



SSB12-BP
812696



OSB19-BP
812315



Power Supplies

P200C POWER SUPPLY - 810830

Built to the same rugged standards as the P400B, the P200C offers a smaller and lighter option, with a full 200 watt-seconds of power.

Power can be set to 200, 100 and 50 watt-seconds with a full power recycle time of only 1.5 seconds. This Series 450 Power Supply is compatible with LH2K (812220), LH2K-M (812831) Portable Lampheads, along with the LH2 (810827) Lamphead with a 20' cord. With the appropriate battery and charger, it can be used to replace the discontinued P200B Power Supply.

Item number P200C is for the power supply only, and does not include batteries, shoulder strap or other accessory items.

P400B POWER SUPPLY* - 812332

The P400B Power Supply was designed for rugged use, with an all aluminum case that will keep it going for years of reliable service.

A rotary switch provides quick, full stop power adjustments from 400 down to 50 watt-seconds. The change is instantaneous, with no extra flashing required to bleed off power. This Series 500 Power Supply is compatible with LH52K (810782) and LH52K-M (812241) Portable Lampheads as well as the LH52 (810779) Lamphead with a 20' cord.

*The P400B power supply does not include batteries, shoulder strap or other accessory items.



Batteries



The B5122 (812863) is a replacement Super Battery for P400B Power Supply. Provides 190+ full power flashes at 15-second intervals.



The B4126 (811926) is a replacement Super Battery for discontinued P200B Power Supply. Provides 130+ full power flashes at 10-second intervals.



The B4124 (812866) is a replacement Super Battery for P200C Power Supply. Provides 190+ full power flashes at 10-second intervals.



The TUB-2 (810566) can be connected to the Super Charger for external charging of two B4124 200C batteries.

Note: Charging Super Batteries with the discontinued gray Thermomatic charger will severely shorten battery life and void the battery warranty.

Battery Portable Accessories



The R4108 Stand Adapter (812857) with locking teeth is used to mount our Battery Portable Lampheads on light stands. It includes an umbrella holder, continuous angle adjustment and 1/4"-20 threaded lamphead mount.



The R4130 Friction Float Stand Adapter (812409) mounts our Battery Portable Lampheads on light stands. It includes an umbrella holder, continuous angle adjustment and 1/4"-20 lamphead mount.



The R4161-B (810863) is used to mount Norman Battery Portable Power Supplies to light stands. The quick release plate attaches to the power supply, which couples to the stand bracket.



The R4122 (810692) is a black leather waist belt that can be attached to Norman Battery Portable Power Supplies. It can be configured for wearing the power supply on the left or right.



The R4127 Contour Shoulder Strap (810686) can be used with all Norman Battery Portable Power Supplies. Removing the center pad creates a short strap for hanging the pack on a stand or hook.



Norman SC Super Charger

The Norman Super Charger (810929) was designed specifically to work with today's Nickel Cadmium batteries. A computerized charging circuit prevents overheating, which dramatically extends battery life and there is no memory effect when used with the current Norman Super Battery. You can now expect over 190 full power flashes from your 200C or 400B systems.

Charging on the run is also possible with the optional R5201 cable that allows the Super Charger to run on 12 VDC from your car's power port.



Super Chargers with Charge Cable

| Charger | For Battery | Includes Cable |
|-------------------|---------------------|----------------|
| SC-200B (810839) | 200B (Discontinued) | R5001 (810671) |
| SC-200C (812584) | B4124 (812866) | R5002 (810659) |
| SC-400B (810860) | B5122 (812863) | R5003 (810647) |
| SC-200CY (810845) | Two B4124 (812866) | R5004 (810638) |

Charger Cables



R5001 Cable (810671) connects Super Charger to 200B Power Supply lamphead connector.



R5002 Cable (810659) connects Super Charger to 200C Power Supply three-pin charger outlet.



R5003 Cable (810647) connects Super Charger to 400B Power Supply lamphead connector.



R5004 Cable (810638) connects Super Charger directly to two B4126 200B Batteries.



R5006 Cable (810617) connects Super Charger directly to two B5122 400B Batteries.



R5007 Cable (810608) connects Super Charger to the lamphead connectors on two 200B Power Supplies.

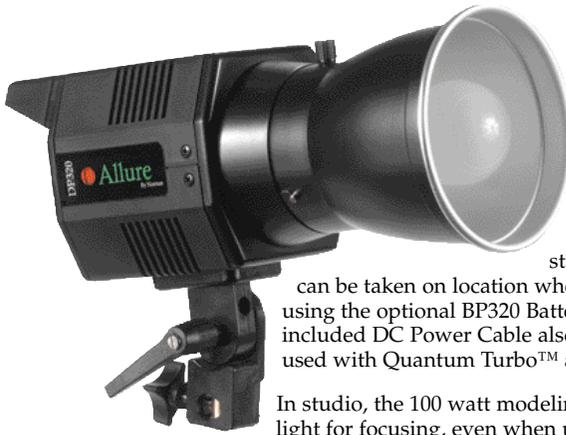


R5201 Cable (812493) connects Super Charger to an auto accessory power socket for charging from 12-volt power source.

Note: All Charger Cables can also be used with older Norman C55 and C55X2 "DeltaV" Battery Chargers.



ALLURE DP320 MONOLIGHT



The Allure DP320 by Norman is not just another monolight

This Dual Power 320 watt-second system can be used in studio with standard AC power, and it can be taken on location where it performs equally well using the optional BP320 Battery Power Supply. The included DC Power Cable also allows the DP320 to be used with Quantum Turbo™ and Turbo Z™ Batteries.

In studio, the 100 watt modeling lamp provides enough light for focusing, even when using a softbox or umbrella. The optional R5009 Adapter Ring makes the DP320 compatible with all Norman reflectors, grids, barn doors and other light modifiers.

The control panel allows the power level to be set to full, half or quarter power. It also includes a switch to enable a photo eye for wireless synchronization with another strobe.



DP320
810593



Each DP320 Includes:

- Lamphead
- 5" Reflector
- Flashtube
- Modeling Lamp
- Protective Cover
- Power Cord
- Sync Cord
- DC Power Supply Cord

| DP320 Specifications | |
|-----------------------|--|
| Flash Power | 320 watt-seconds (AC), 270 watt-seconds (DC) |
| Flash Power Control | Full, 1/2 and 1/4 |
| Color Temperature | 5500K |
| Guide Number | 110 (with included 5" reflector) |
| Angle of Illumination | 64 degrees (with included 5" reflector) |
| Photo Eye | Built-in with ON/OFF switch |
| Modeling Lamp | 100W with ON/OFF switch (AC only) |
| Sync Voltage | 8.5 VDC |
| AC Power Source | 110-120VAC, 60Hz |
| Housing Dimensions | 4.8" W, 4.8" H, 9.3" D |
| Weight | 3.7 pounds |

The Allure BP320 Battery Power Supply

Now your Allure DP320 Monolight can be used anywhere, with the BP320 Battery Power Supply. Even in the most remote locations you can have professional studio lighting that is compatible with the entire line of Norman light modifiers.

A fully charged battery will support approximately 115 full power flashes. The built-in level indicator shows battery power status, with a red light to tell you when it needs to be charged again.

The optional R4162 Adapter allows the BP320 to be conveniently mounted to a light stand.



BP320
811954

| BP320 Specifications | |
|----------------------|------------------------|
| Battery Type | Sealed lead acid |
| Battery Capacity | 12VDC, 2.3Ah |
| Charge Requirement | 18VDC, 600MA |
| Battery Output | 305VDC, 500MA |
| Dimensions | 8.7" L, 4.3" W, 1.9" D |
| Weight | 3 pounds |



R4162
Stand
Adapter
812458



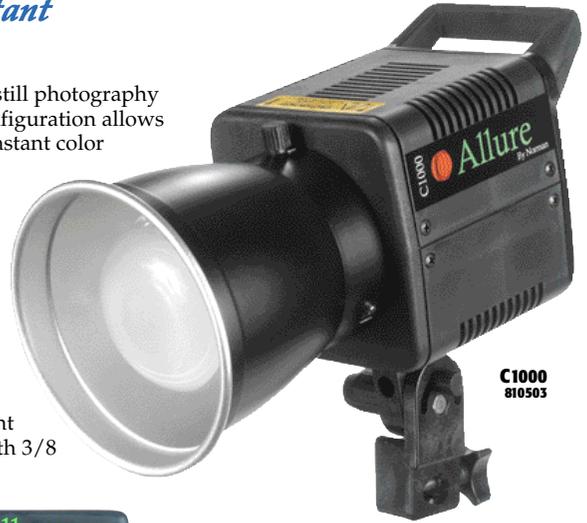
The Norman Allure C1000 is a constant tungsten light source

The Norman Allure C1000 is ideally suited for video, still photography and digital imaging. The unique dual quartz lamp configuration allows 350, 650 and 1000 watt output while maintaining a constant color temperature.

Weighing only three pounds, the compact Allure C1000 is easy to handle, making it well suited for location work.

A built-in cooling fan provides ventilation and helps to maintain a proper operating temperature. For safety, the C1000 includes an internal thermal switch and fused circuit protection.

The stand adapter includes a locking swivel adjustment and umbrella holder. It can be used on light stands with 3/8 through 5/8 inch mounting posts.



C1000
810503



C1000 Includes:

- Lamphead • Lamp Set • 5" Reflector
- Diffusion Dome • Protective Cover • Power Cord

SQ1000 Replacement Lamp Set



Lamps are available individually or as a SQ1000 (810510) Lamp Set, that includes one 350 watt QL350 (810923) and one 650 watt QL650 (810926) lamp.



Power Control

Separate switches control each lamp, allowing them to be on individually or at the same time. Color temperature remains constant because lamp output voltage is not changed.

| C1000 Specifications | |
|------------------------------|-------------------------------|
| Rated Power | 1000 Watts |
| Power Output Control | 350W, 650W, or 1000W |
| Color Temperature | 3200 K |
| Angle of Illumination | 60 degrees |
| Power | 120 VAC, 50/60 Hz |
| Housing Dimensions | 4.8" W, 4.8" H, 6.5" L |
| Weight | 3 Pounds |



HTSB24 Softbox

The HTSB24 (812192) 24x24 inch high temperature softbox is available for use exclusively with the C1000 Constant Light. This model is not compatible with the SRA series Speed Ring Adapters and must be purchased with the BDAL Barn Door/Speed Ring Adapter.



BDAL Barn Door

The optional BDAL (811940) Barn Door makes it easy to control the light. Without the wings, the BDAL is a Speed Ring Adapter that can be used with a variety of high-temperature softboxes.



NORMAN ALLURE DP320 MONOLIGHT KITS



DP320-KIT1

812766

One Light Reflector Fill Kit

- 1 - DP320 Norman Allure Monolight
- 1 - BP320 Battery Power Supply
- 1 - R4162 Stand Adapter for BP320
- 1 - LS226-1 12' 9" Heavy Duty Light Stand
- 1 - SSB22 22" Softbox
- 1 - SRA-ALR Speed Ring
- 1 - CRK-42 Reflector Kit 5-in-1
- 1 - LS222-URMA Stand with Reflector Arm
- 1 - C100 Case

DP320-KIT2

812777

Two Light Battery Travel Kit

- 2 - DP320 Norman Allure Monolights
- 2 - BP320 Battery Power Supplies
- 2 - R4162 Stand Adapters for BP320
- 2 - LS224-1 10' Heavy Duty Light Stands
- 2 - WB45 White Umbrellas
- 1 - C100 Case



DP320-KIT3

812788

Two Light Travel Kit

- 2 - DP320 Norman Allure Monolights
- 2 - LS224-1 10' Heavy Duty Light Stands
- 2 - WB45 White Umbrellas
- 1 - C100 Case

DP320-KIT4

812795

Three Light Battery Travel Kit

- 3 - DP320 Norman Allure Monolights
- 3 - BP320 Battery Power Supplies
- 3 - R4162 Stand Adapters for BP320
- 3 - LS224-1 10' Light Stands
- 2 - WB45 White Umbrellas
- 1 - HTSB24 24" x 24" Softbox
- 1 - SRA-ALR Speed Ring
- 1 - C100 Case





DP320-KIT5

812797

Three Light Studio Kit

- 3 - DP320 Norman Allure Monolights
- 3 - LS224-1 10' Heavy Duty Light Stands
- 2 - WB45 White Umbrellas
- 1 - HTSB24 24" x 24" Softbox
- 1 - SRA-ALR Speedring
- 1 - C100 Case

KCKIT-1

812775

One Light Kit

- 1 - C1000 Norman Allure Continuous Light
- 1 - LS224-1 10' Light Stand
- 1 - WB45 White Umbrella
- 1 - QL350 350-Watt Quartz Lamp
- 1 - QL650 650-Watt Quartz Lamp



KCKIT-2

812779

Two Light Kit

- 2 - C1000 Norman Allure Continuous Lights
- 2 - LS224-1 10' Light Stands
- 2 - WB45 White Umbrellas
- 2 - QL350 350-Watt Quartz Lamps
- 2 - QL650 650-Watt Quartz Lamps
- 1 - C100 Travel Case

KCKIT-3

812787

Three Light Kit

- 3 - C1000 Norman Allure Continuous Lights
- 3 - LS224-1 10' Light Stands
- 2 - WB45 White Umbrellas
- 3 - QL350 350-Watt Quartz Lamps
- 3 - QL650 650-Watt Quartz Lamps
- 1 - C100 Travel Case





Softboxes

Norman offers a line of patented pop-up softboxes that produce a large, soft light that works well in a variety of portrait and commercial applications. Fast, easy set-up and tear-down. The convenient travel pouch makes these versatile softboxes a great choice for many location assignments.

All Norman Softboxes include a snap-in inner baffle that can be installed for soft, even lighting, or left out to provide slightly higher contrast. The front diffusion panel attaches with Velcro™ for easy installation and removal. The highly reflective inner coating and all baffles are neutral for accurate reproduction.

Norman also offers an assortment of Speed Ring Adapters that allow these softboxes to be used with other popular electronic flash systems. No tools are required to attach these adapters to the built-in speed ring, which is included with each softbox. The adapters can be left on when used with the same brand lamphead or easily exchanged to work with different systems.



SQUARE SOFTBOXES

Norman offers square softboxes in 22x22, 36x36 and 48x48 inch sizes to handle everything from individual portraits to full room sets. The rugged opaque outer material used on these, and all Norman Softboxes will make sure the only light you have to deal with is on the subject.

With the appropriate Speed Ring Adapter, these softboxes attach to a variety of monolights and lampheads, just like a reflector.



RECTANGULAR SOFTBOXES

Norman 24x32 and 36x48 inch soft boxes are ideal for head, shoulder and 3/4 length portraits, as well as tabletop commercial shots that require soft directional lighting patterns.

The Norman 10x36 inch "Strip" Softbox was designed with a narrow 1:3 ratio. It can be used horizontally as a hairlight or vertically to create relatively sharp shadows and narrow highlight accents on product shots.

OCTAGONAL SOFTBOXES

Octagonal softboxes are available in 36 and 60 inch sizes. These softboxes produce a large, soft light source that wraps around the subject. Even illumination from corner to corner simulates natural lighting conditions, even in small shooting areas.

The 36 inch and even the 60 inch octagonal softbox are the same pop-up configuration as the rest of the Norman line. Set-up and tear-down are done in seconds, with no extra parts to assemble.



The unique Norman Softbox design allows set-up in seconds. Just attach it to the lamphead, open like an umbrella, slide the center coupling over the post and tighten the thumbscrew. No additional parts to assemble or keep track of.





Speed Ring Adapters

A Speed Ring Adapter is required for use with all Norman Softboxes. They are attached to the built-in softbox speed ring, and can be exchanged to accommodate different brands of monolights and lampheads. No tools are required to install or remove these adapters.



SRA-NML - 812663
Norman ML400 & ML600 Monolights



SRA-NM - 812661
Standard Norman, including LH500, LH2000 & LH2400



SRA-ALR - 812598
Norman Allure DP320



SRA-PG - 812615
Photogenic



SRA-EC - 812635
Elinchrom

Umbrellas

Umbrella lighting is a simple, inexpensive and portable solution to the need for controlled, diffused bounce lighting. Available in 30", 45" and 60" sizes, Norman white umbrellas can be used in all types of lighting situations, including portrait, group and commercial, as well as being a good tool for flood lighting large areas. All umbrellas can be mounted on Norman monolight and lamphead stand adapters.



The Norman 30" and 45" silver umbrellas feature a neutral fabric that provides a little more contrast than the white umbrellas. They are a good choice when the job requires

improved color saturation, specular highlights and texture. Compact and

portable, these umbrellas are a good fit in the studio as well as on location. For the most efficient use of umbrella lighting, use reflectors designed for that application, like the 5DL, 7H or 2Q models.

REMOVABLE BACKING

All Norman white umbrellas have a removable black backing. The exposed white translucent material makes an excellent soft portrait when aimed at the subject to shoot through, as a direct diffused light source.





BOUNCE REFLECTORS

Bounce Reflectors

5 IN 1 REFLECTOR KITS

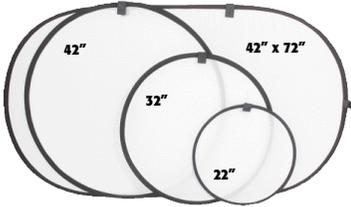
A reflector is commonly used to bounce existing light at a subject to serve as a fill light source. Reflectors with different surfaces will control contrast, add warmth and increase specular highlights.

All Norman 5 in 1 Reflector Kits start with a white translucent panel that can be collapsed for storage with the reversible reflector in the convenient travel pouch. This panel works great for diffusing sunlight to create softer, lower contrast lighting outdoors.

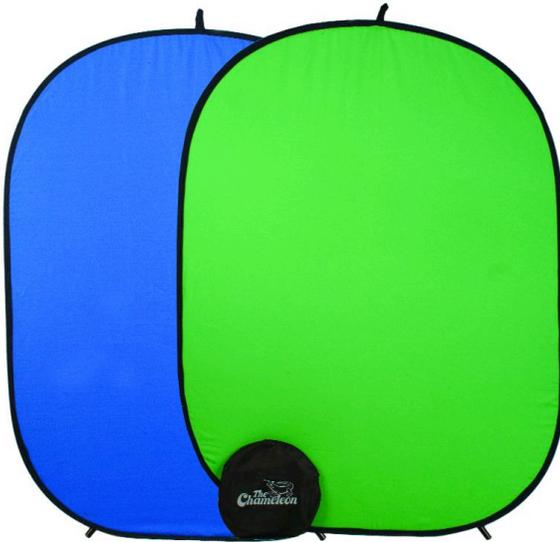
Each kit includes a reversible wrap that can be zipped around the diffusion panel. One combination has a bright white surface on one side with a warming gold on the other. This wrap can be reversed to expose the black and high contrast silver panels.



CRK-22 - 812017
CRK-32 - 812019
CRK-42 - 812024
CRK-4272 - 812027



Circular 5 in 1 Reflector Kits are available in 22", 32" and 42" sizes. For larger jobs, we offer the 42" x 72" rectangular kit. All include the white diffusion panel in a collapsible spring frame, zip around reversible wrap and travel pouch.



CHAMELEON™ CHROMA-KEY - 670147

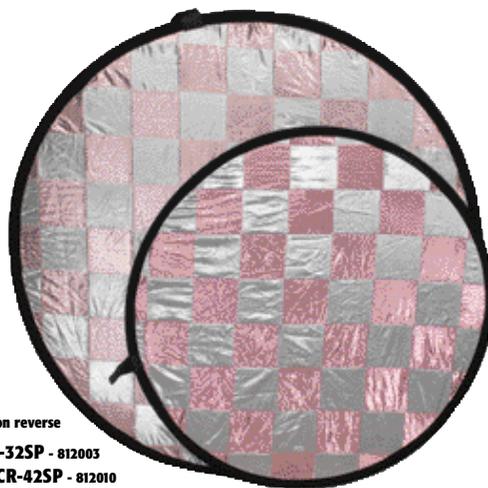
The Chameleon™ Chroma-Key is a reversible 57" x 77" green/blue non-reflective panel. The Chameleon features a spring steel frame and convenient travel bag.



SPECIALTY REFLECTORS

The "Touch of Warmth" reflectors by Norman have become very popular with portrait photographers. The unique checked pattern provides the distinctively warm, pleasing flesh tones that can only be achieved with this reflector.

Available in 32" and 42" sizes with a black panel on the back, the reflectors are collapsible and come with a convenient travel pouch.



Black on reverse

CR-32SP - 812003

CR-42SP - 812010

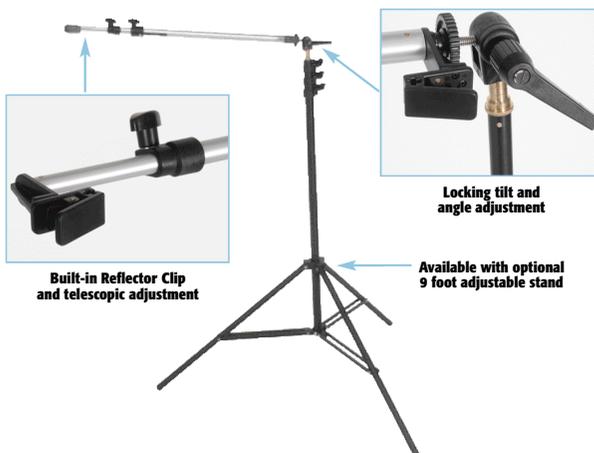
UNIVERSAL REFLECTOR MOUNTING ARM

A Universal Reflector Mounting Arm is the best way to be sure your reflector or diffusion panel is in a position that will give you the best possible effect. The mounting arm can be set to accommodate various reflector sizes, and it can be adjusted up, down and at an angle.

Available alone or with a 9' stand, the reflector mounting arm is designed to attach to the threaded top of a 5/8" light stand mounting post.

URMA Mounting Arm

LS222-URMA Mounting Arm with Stand - 812731



Built-in Reflector Clip and telescopic adjustment

Locking tilt and angle adjustment

Available with optional 9 foot adjustable stand



Posing Stool and Table

The Norman RST-101 Posing Stool (812549) includes a rotating 14" padded vinyl seat with a height adjustment that can be varied from 20" to 30". A cushioned pneumatic column prevents a sudden drop.

The PT100 Posing Table (812360) has an adjustable height that ranges from 27" to 43" to accommodate sitting and standing poses. It includes an air cushioned column that prevents sudden drops, and a 5 leg base with casters for easy placement.



LIGHT STANDS

Light Stands

The LS226-1 (812283) is a heavy duty, air cushioned stand with an extended height range of 12 feet 9 inches and a large base. Ideal for use with monolights, lampheads with softboxes and other large light modifiers and as a background support.

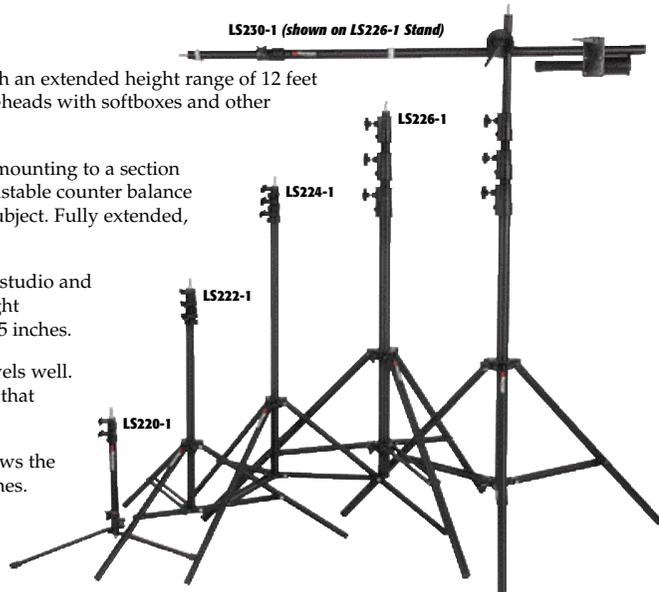
The LS230-1 Boom Arm (812290) uses an included clamp for mounting to a section post of the heavy-duty LS226-1 or similar light stand. An adjustable counter balance weight allows lampheads to be positioned directly over the subject. Fully extended, the overall length of the LS230-1 Boom Arm is 6' 6".

The LS224-1 (812276) is a compact, general purpose stand for studio and location photography. It is air cushioned for smooth, safe height adjustments. Can be extended to a maximum height of 9 feet 5 inches.

The LS222-1 (812255) is a lightweight, compact stand that travels well. It includes air cushioned sections that prevent a sudden drop that could damage lampheads. Maximum height is 7'6".

The LS220-1 (812248) is a versatile background stand that allows the light to be positioned in a range from 15 inches to 2 feet 4 inches. Removing the stand post allows the lamphead to be mounted directly on the legs, just 2 inches off the floor.

NOTE: All Norman stands are equipped with 5/8 inch mounting posts.



| Specifications | LS220-1 | LS222-1 | LS224-1 | LS226-1 |
|-----------------|-----------|---------|---------|----------|
| Minimum Height | 15" | 2' 7" | 3' 5" | 4' 5" |
| Maximum Height | 2' 4" | 7' 6" | 9' 5" | 12' 9" |
| Folded Length | 1' 2 1/2" | 2' 2" | 2' 10" | 4' 1" |
| Spread Diameter | 1' 9" | 2' 11" | 3' 4" | 3' 7" |
| Weight | 2lb 14oz | 2lb 6oz | 3lb 1oz | 4lb 12oz |

Stand Accessories



WH-2-1 (812759) is a set of three wheels that can be added to Norman LS226-1 Light Stands. This rugged set rolls smoothly on carpet or hard surface floors.



R4108 Umbrella Stand Adapter (812857) mounts Norman battery portable or other lampheads to a light stand. Locking teeth adjustment allows a wide range of angle settings.



R4130 Umbrella Stand Adapter (812409) with friction float adjustment can be used to mount our battery portable or other lampheads to a light stand, using the 1/4"-20 threaded hole in the base of the lamphead.



Some Norman Lampheads use an insert that allows them to be used on a variety of light stands. Replacement inserts are available for mounting on 3/8", 1/2" and 5/8" stand tops.



AA66K Adapter - 904851
Converts 5/8" male to 3/8" male. (1-1/2" deep)



AA65A Adapter - 904764
Converts 5/8" male to 1/2" male. (1-1/2" deep)



AC74C - 905210
Stand clamp with ratchet handle.



AC74A - 956035
12" Extension rod with 1/2" and 3/8" adapters for use with AC74C.



Carrying Cases

C100 811968

This is a light-duty soft-sided case that measures 36" wide, 13" high and 9" deep. It has two removable partitions which create three compartments. The C100 is ideal for monolights with umbrellas and medium duty stands shorter than 36".



C100



OB42

OB42 911898

Cordura Nylon case with polyurethane padding. Has internal Velcro straps and two large external pockets to hold stands, tripods and umbrellas up to 60 inches. Zipper closure. Designed especially for the traveling photographer. Dimensions: 15" x 44" x 5.5". Light stands and umbrellas not included.

NL03CS 815371

Soft, wheeled case with Velcro liner and dividers, internal and external pockets. Holds LS226-1 stands, lights, umbrellas and accessories. Locking straps and handles. Dimensions: 18" x 44" x 13".



NL03CS



ML4600SCS

ML4600SCS - 916161

Cordura nylon zippered soft case with die-cut foam for one monolight. Dimensions: 18" x 20" x 6". Light and reflector not included.

ML4600DCS - 915813

Cordura nylon zippered soft case with die-cut foam for two monolights. Dimensions: 18" x 29" x 6.5". Lights and reflectors not included.



ML4600DCS



NL3419W

NL3419W - 810582

Soft case with reinforced side walls, wheels, collapsible pull handle, Velcro dividers, a 31" x 8.5" padded separator and storage space for lights, umbrellas and stands.

Interior dimensions: 9" x 32" x 8"

Lindahl Digital Camera Bracket and Shade System

Designed specifically for use with digital SLR cameras, the modular Lindahl system starts with a Rotating Camera Bracket. Adding the optional Flash Bracket keeps the strobe centered above the lens for vertical and horizontal composition. To complete the system, a lens shade may be added to prevent lens flare.

Each component of this system improves the functionality and performance of your digital SLR, along with enhancing the professional look that sets you apart.

ROTATING CAMERA BRACKET

The Digital Camera Bracket allows smooth, quick rotation from vertical to horizontal while keeping the lens centered. This lightweight bracket can be hand held or mounted on a tripod. Camera specific mounts must be ordered separately, with models available for most professional digital SLR cameras.



17-1300 811198 Rotating Camera Bracket



17-1100 810545 Flash Bracket

FLASH BRACKET

The optional Flash Bracket keeps the strobe centered over the lens. Incorporating a padded handle, it can be mounted on the left or right side of the camera bracket. It comes equipped to accommodate strobes with $\frac{1}{4}$ -20 thread size, or it can be used with various Lindahl strobe mount accessories.



LENS SHADE

Even when shooting digital, a shade is needed to prevent lens flare. An adapter disk (sold separately) couples the lens to the Lens Shade, allowing the camera and lens to rotate while the shade remains upright.

This system also accepts standard Lindahl 3" filters and 4.5" vignette slot devices.



30-1020 810518 Lens Shade

CAMERA MOUNT

A camera specific mount keeps the lens on axis when rotating from vertical to horizontal.

Camera mounts are available for Canon EOS-20D, 30D, 40D; Nikon D70, D80, D200, D300; Fuji S3 and S5.

Camera mounts are not included with the rotating camera bracket, and must be ordered separately.

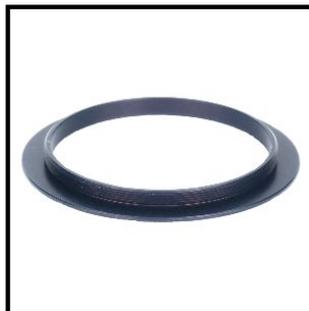
Consult your local dealer for information on current models.



ADAPTER DISK

A metal Adapter Disk is attached to the lens filter threads, which is used to couple the lens to the lens shade.

- 11-3058 810939 58mm Disk**
- 11-3062 810946 62mm Disk**
- 11-3067 810953 67mm Disk**
- 11-3072 810960 72mm Disk**
- 11-3077 810967 77mm Disk**



Strobe Mount Accessories



The Locking Shoe and Foot allow quick mount and release of a strobe or any accessory that accepts a 1/4"-20 thread.

- 39-1005 810866 Locking Shoe and Foot**
- 39-1006 810893 Locking Shoe**
- 39-1007 810896 Standard Foot**



Mount most popular shoe mount flash systems on the Universal Shoe. Attach it to your bracket with a 1/4"-20 thread fastener.

- 39-1014 810902 Universal Shoe**



The Locking Foot attaches to any Lindahl Accessory Shoe, allowing a variety of strobe heads to be attached to the 1/4"-20 locking mount on top.

- 39-1012 810899 Locking Foot**

Accessories



The Hasselblad Dark Slide Keeper attaches to the back of the magazine with special mounting adhesive. It is designed to update magazines produced prior to 1997.

- 16-2005 810524 Hasselblad Dark Slide Keeper**



CAMERZ VIDEO VIEWING SYSTEM

The Camerz Video Viewing System combines the ease of use of a high-volume portrait camera with the technology of today's digital SLR cameras. By adapting a high-resolution Sony® CCD camera to the viewfinder of the SLR, this system allows the subject to be viewed live on a large 4 inch color LCD screen. Captured images and other information normally displayed by the camera can also be viewed on the LCD. This rotating screen is mounted on an adjustable arm that can be set in a position that is convenient and comfortable for the photographer. Configurations are available for use with a variety of digital SLR's, including models made by Canon®, Fuji®, and Nikon®.



Large, 4.2" color LCD screen displays live view of the subject, captured image and camera data. The screen rotates from horizontal to vertical.

Rotating camera mount for photographing subjects vertically and horizontally.

Brightness and color controls.

Adjustable arm allows screen to be set in a variety of positions, for fast and accurate operation.

Standard Video Viewing System for Canon 20D, 30D Video Viewing- 812825

Standard Video Viewing System for Fuji S5, Nikon D70 and D200 - 812828

The aluminium base contains connectors for 12V DC power, video in, video out, video camera, sync in, sync out and a socket for tripod mounting. The standard version contains a USB port and cable.



An optional USB port and Software allow the live and captured images to be viewed on a PC. The live image window can be open and viewed, even when an image and data management application or other programs are being used.

A rotating camera mount is included for photographing subjects horizontally and vertically. An optional Lindahl Lens Shade can also be adapted to protect the lens and prevent lens flare.



Features:

Comfortably and quickly compose and capture images using a wide variety of digital SLR cameras, including models made by Canon®, Fuji®, and Nikon®.

Review captured images on the LCD instantly. The system resets to live video after a preset time.

Reduce fatigue. No need to bend over and look through the viewfinder after each exposure. Now photographers can interact directly with the subject for consistently better expressions and poses.

Camera and LCD can easily be changed from vertical to horizontal.

Composite video output connector allows you to display on bigger screens.

Display live and captured images on a PC while running other programs.

Mounts on any standard professional tripod or camera support.

Components:

1. Video Viewing System includes: LCD Screen, Housing and Rotating Bracket, AC Cord, 12 Volt Power Adapter, 24" PC to 1/4" Phono Sync Cord, 20' 1/4" Phono to 1/4" Sync Cord and Instruction Manual.
2. Video Camera Module includes: Video Camera with Digital Camera Viewfinder Mount and .050" allen wrench.
3. Digital Camera Mount includes: Digital Camera Mount Bracket, 5/16" allen wrench and (2) fastening screws.

| Camerz Video Viewing System Specifications | |
|--|--|
| Power | 12 Volt (Power adapter included) |
| Viewing Screen | 4.2" High Resolution Color LCD |
| Viewing Screen Support | 12" Articulating Multi-Position Arm |
| Video Camera | Low Light; High Resolution CCD Camera with Auto Signal Switching |
| Video Output | 8.7" L, 4.3" W, 1.9" D |
| Sync Output | 1/4" sync jack |
| Camera Support | Rotating Camera Bracket |
| Base Size | 12" Articulating Multi-Position Arm |
| Weight | 3 pounds |
| Mounting | 8.7" L, 4.3" W, 1.9" D |



GO POD GP-100
810611

GO POD GP-100 (810611)

The Norman Go Pod is the ideal video camera support for location and action shooters. The support provides comfortable, even weight distribution, and can be shaped to fit your specific shoulder profile.

The shoulder braces, chest brace and stomach brace offer 4 point stabilization for maximum control. The monopod camera support extends from 13" to 21", tilts both vertically and laterally, floats freely or can be locked in place.

The camera can be mounted directly on the camera platform, or can be used with an optional Ball Head or similar adapter.

The Go Pod weighs only 3.4 pounds. Case Included.



FLASHTUBES MODELING LAMPS & CABLES

Flashtubes

Current Norman Flashtubes are color corrected, and produce a color temperature of approximately 5500 degrees Kelvin.



FT8 600 w-s for ML600 & ML400 Monolight (812066)



FT6 600 w-s for LH500 Lamphead (812070)



FT16 1200 w-s for LH500+ Lamphead (812073)



FQ5 2500 w-s (812849) for Illuminator, includes R412 Reflector Ring



FQ4 5000 w-s for LH4000 Lamphead (828161)



FQ3 2500 w-s for LH2000 and LH2400 Lamphead (828158)



FT17 1200 w-s for M600 and M1200 Monolight Series (812080)



FT120 250 w-s for LH2 and LH4 Lamphead Series (810920)



FT400 400 w-s for LH52 and LH54 Lamphead Series (812822)



FQ20 2000 w-s for TL2000 Tri-Lite and FS10 Fresnel Spotlight (828155)



FT320 320 w-s for DP320 Monolight (812087)

Modeling Lamps

Replacement Modeling Lamps are available for current and most discontinued Norman lampheads and monolights.



Q150CL/DC 150W for LH500, LH2000, LH2400, ML600 and ML400 (812367)



Q250CL/DC 250W for IL2500, FS6, FS10, LH500, LH2000, ML600 and ML400 (812374)



QL350 35W Quartz for C1000 Constant Light (810923)



QL650 650W Quartz for C1000 Constant Light (810926)



BRL 50W Quartz for Battery Portable Lampheads (811961)



25T8DC 25W for LH4 Lamphead and R4109 Snoot (901255)

Extensions



R2000-20 Series 900 20' Lamphead Extension Cable (812395)



R500-20 Series 500 20' Lamphead Extension Cable (812472)



R450-20 Series 450 20' Lamphead Extension Cable (812465)

AC and DC Cables



R4156 Current Style AC cable with IEC female (812444)



R4157 AC cable for Super Charger & Delta V battery chargers (812814)



R4153 12' Modeling lamp AC adapter cable for 2Q Portable Reflector (812827)

Sync and TLC Cables



R4151 Sync Extension "Old Style" twin blade male (812423)



R6001 Sync Extension 3.5mm DP320 to PC (812507)



R1300 TLC10 to Power Pack cable (812388)



R4155 Sync Extension 1/4" mic. connector (812437)



R1200 Sync Cord TLC10 to twin blade female (812802)



R1203 Sync Cord TLC10 to Camerz ZIII (812810)



R4158 Sync Extension 1/4" mic. to PC (812451)



R1202 Sync Cord TLC10 to Camerz ZIII (812805)

Connectors



Example of Series 900 8 pin female connector



Example of Series 900 8 pin male connector



Example of Series 500 14 pin female connector



Example of Series 500 14 pin male connector

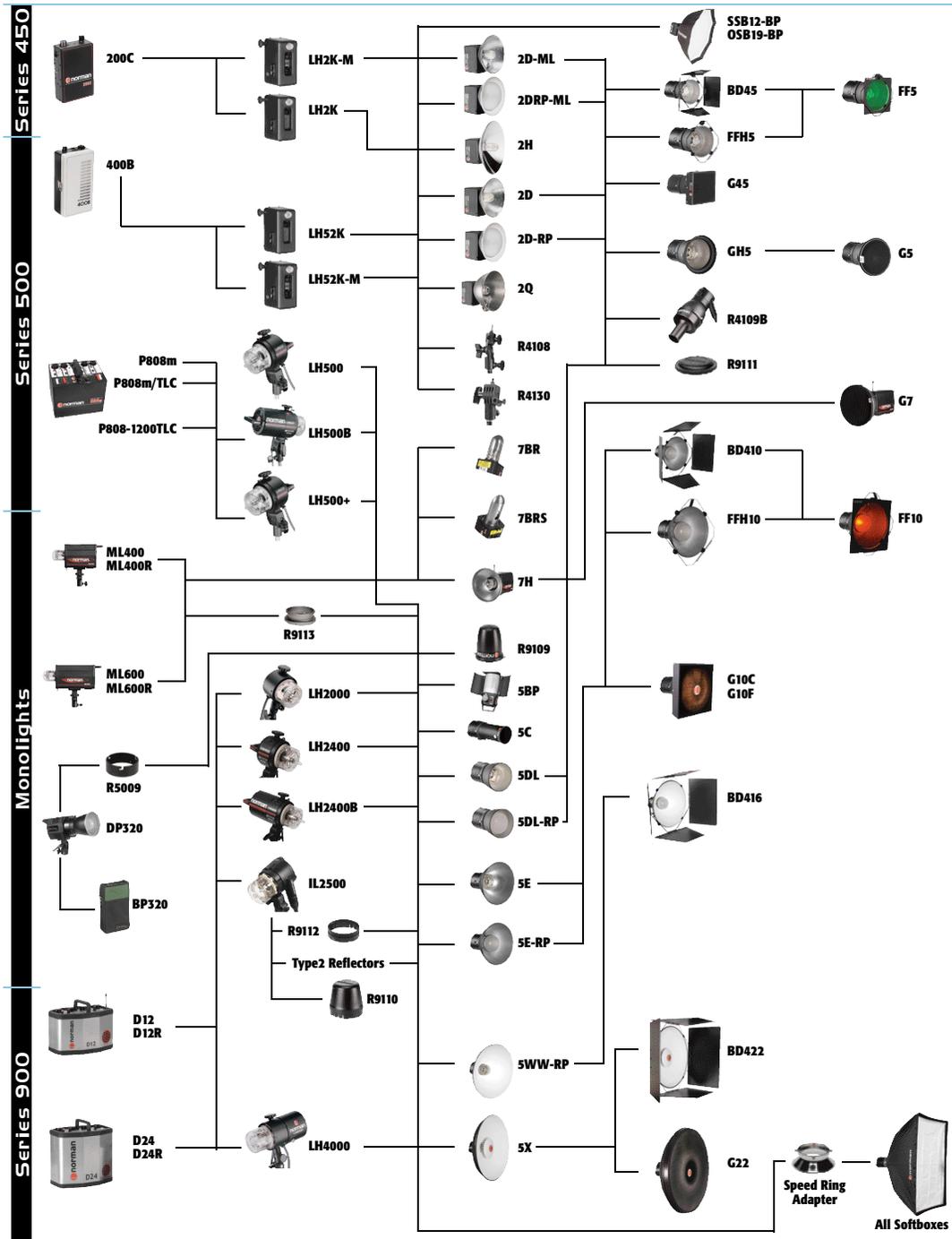


Example of Series 450 7 pin female connector



Example of Series 450 7 pin male connector

This flow chart depicts the major product families, and shows the primary options and accessories that are compatible with each of them.





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