

 **dedolight**®

PRECISION LIGHTING INSTRUMENTS



NEWS 01 2013

ENGLISH

DEDO AND COMPANY



My name is Dedo.

I am a cameraman/Director of Photography.

I've shot documentaries, commercials, art films, features and theatre plays in over forty countries. I am also a high-speed specialist (film and video). Today, dedolight is widely known and acclaimed for precision lighting instruments.

I am very proud of my unique team at dedolight. No manufacturer in our field has as many experienced, recognized and practicing Directors of Photography as we do.

We listen to and enjoy the dialogue with some of the best known cinematographers shooting multi-million dollar blockbusters as well as the intensely creative small crews who shoot under street fighter conditions. Many ideas and constructive criticism comes from these colleagues.

Our research and development is done "in-house" and I am very proud of our exceptional team of optical engineers, electronic geniuses, computer gurus and seasoned high class mechanical engineers. We collaborate with several light source manufacturers and continue to develop better, more efficient and precise light sources. We combine leading edge optical design (over 30 patents) with the most modern fixture and ballast concepts. We remain committed to create the best possible tools and control devices in precision lighting for the professional.

We are proud to introduce the latest marriage of prime class LED technology with our patented double aspherical dedolight optics and LED panel soft lights.

dedolight provides the highest optical precision and unique tools for light control and light shaping. These are available in an eco-friendly halogen version, new tungsten metal halide - interchangeable with our daylight metal halide sources and several versions of the best LED technologies in the *dedocolor quality! We value the extraordinary team of dedolight agents around the world. Many share common roots in the practicing profession and an enthusiasm and dedication to the art of lighting.

INTRODUCING OUR COMPLETE RANGE OF FOCUSING DEDOLIGHT LED FIXTURES



5 DIFFERENT SIZES

They all share common properties.

- State-of-the-art light source with features exclusively developed by dedolight and highest *dedocolor quality
- dedolight patented aspherical optics
- Providing astoundingly high efficiency
- Unprecedented focusing range (wider/tighter)
- dedolight clean beam concept. Controlled precision beam with no stray light outside and perfectly even light distribution within the beam
- DLED2.1 and DLED4.1 provide excellent color in tungsten, daylight and bicolor versions.
- The unique DLED9.1 and DLED12.1 were designed for studio application (daylight and tungsten), but will also work ideally for mobile, scenic production.
- With the exception of the DLED12.1, all our focusing LED fixtures work with effective passive cooling, without fans.
- Complete light-shaping control
 - Precise barn door shadows.
 - Scrim
 - Graduated gray filters
 - Aspherical wide-angle attachments with rotating barn door leaves
- dedolight imager - projection attachments for
 - Light framing
 - Soft edge light framing with eye filters
 - Gobo projection
 - Background effect projection
 - Slide projection

The DLED4.1 is available as both a mobile and studio version. The studio version also features DMX control. For mobile work, the bicolor version is continuously tunable from tungsten to daylight and adaptable to various ambient light conditions. Also useful in combination with our bicolor Felloni panel lights.

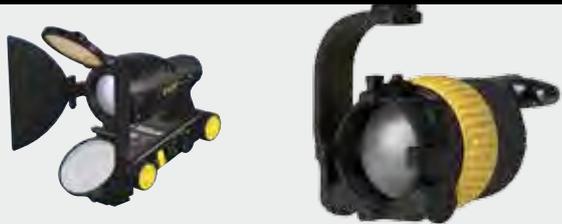
The DLED4.1 and DLED9.1 are also available with DMX controls. The DLED12.1 comes with DMX controls as standard.

Our smallest LED light, the Ledzilla® - the on-board light - is already selling in multiple thousands all over the world.

LED



dedocolor®



YOUR DREAM - OUR FOCUSING L

Complete Range in 5 different sizes and

- * Patented aspherics² dedolight Optics
- * Unprecedented Focusing
- * Astounding Light Efficiency



COMPLETE RANGE OF

D LIGHTS



ED LIGHTS

systems for on-board, off-board, mobile, studio & special effects.

- * Perfectly Even Light Distribution
- * Perfect *dedocolor (Tungsten, Daylight, Bicolor)
- * Complete Range of Light Shaping Control Tools



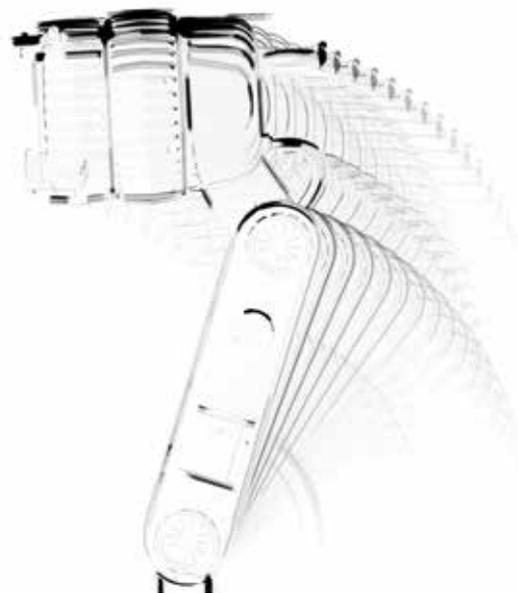
LED PANEL LIGHTS

DEDOLIGHT® DLED2.1 LED LIGHT HEAD

DEDOLIGHT® ASPHERICS²® OPTICS

THE TINY BUT POWERFUL DLED2.1 CAN BE:

- a multifunctional on-board light
- a perfect accent and special effects light
- a versatile member of a tiny interview and documentary kit
- a useful companion to our Felloni multi-LED panel
- a daylight, tungsten and tunable bicolor light for easy adaptation to many location lighting situations (also in combination with a Felloni bicolor panel)



DC POWER OPTIONS FOR DLED2.1

- clip on mini DV batteries such as Sony, Canon, Nikon and others
- small AC adapter for continuous use

AC POWER SUPPLY FOR DLED2.1

DLPS12-30

Input 90 - 264 V AC *

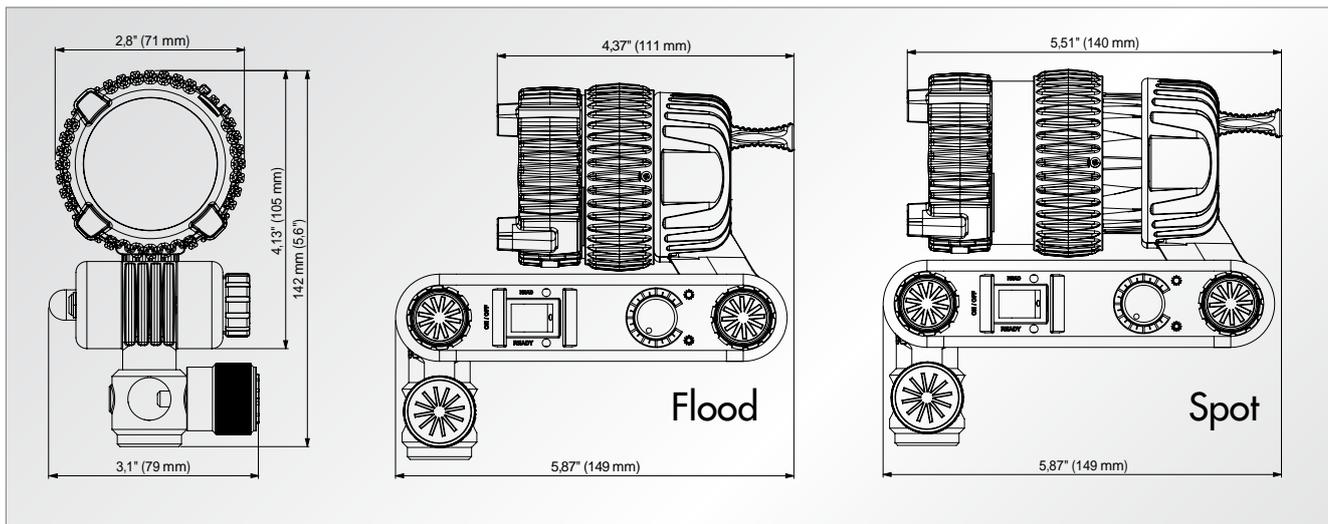
Output 12V / 2,5A / 30W DC

(EU/USA/UK/AUS input connector set included)



*) includes actual tolerances in most countries

DLED2.1 DATA



FOCUSING LIGHT HEAD: DLED2.1-D, DLED2.1-T, DLED2.1-BI

Focus Range (Intensity Range)	50° - 5° (1:7)
Focus Control	3/4 turn on focus ring
Power	25 W, 6 - 18 V DC
Mounting	16 mm (5/8") receptacle and 28 mm (1 1/8") stud OR: optional version with shoe mounting (add suffix „HS“ to light head code / e.g.: DLED2.1-BHS)
Operating Position	Any, except electronics directly over light head
Tilt Control	Adjustable friction
Accessory Holder*	58 mm (2.3") diameter
Safety	Protection Class III, SELV
Cooling	Passive cooling (no fan)
UV	No UV radiation
Weight	800 g (1.8 lb)
Size	W: 79 mm (3.1") L (flood) : 149 mm (5.87") L (spot) : 149 mm (5.87") H: 142 mm (5.6")

PHOTOMETRICS: DLED2.1-D Daylight LED Light Head

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	810	203	90	50		
	Foot Candle	75	19	8,3	4,6		
Medium	Lux	1800	450	200	113	72	
	Foot Candle	167	42	19	11	6,7	
Spot	Lux	5250	1312	583	328	210	
	Foot Candle	487	122	54	30	20	

PHOTOMETRICS: DLED2.1-T Tungsten LED Light Head

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	725	181	81	45		
	Foot Candle	67	17	7,5	4		
Medium	Lux	1200	300	133	75	48	
	Foot Candle	112	28	12	7	4,5	
Spot	Lux	4800	1200	533	300	192	48
	Foot Candle	446	112	50	28	18	4,5

PHOTOMETRICS: DLED2.1-BI Bicolor LED Light Head (daylight)

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	1160	290	129	73		
	Foot Candle	108	27	12	7		
Medium	Lux	2300	575	256	144	92	
	Foot Candle	214	53	24	13	8,6	
Spot	Lux	3250	813	361	203	130	
	Foot Candle	302	76	34	19	12	

Bicolor in tungsten function ~ 25% lower output

* for mounting the unique range of DLED2.1 front-end accessories

DEDOLIGHT® DLED4.1 LED LIGHT HEAD

DEDOLIGHT® ASPHERICS²® OPTICS



Dedo shows Steven Poster, ASC prototype of DLED4.0 light at IBC 2011 in Amsterdam.



State-of-the-art LED *dedocolor sources in daylight, tungsten and bicolor versions. At present, the versions we offer can be switched from daylight to tungsten and vice versa. At the beginning of 2013 we will offer a continuously variable version.

Separate dimming control adjusts the intensity with no color change. Focuses like a true dedolight from wide 60° to extremely narrow 4° clean beam – no stray light, lets you put the light exactly where you want it without causing any extra unwanted shadows. Works with all dedolight light shaping accessories and aspheric wide angle attachments (85° max. and still controllable focus) including DP1.1, DP2.1 and DP3.1 imagers which are similar to the well known dedolight projection attachments but with new dual condenser optics for higher transmission and perfect light distribution.



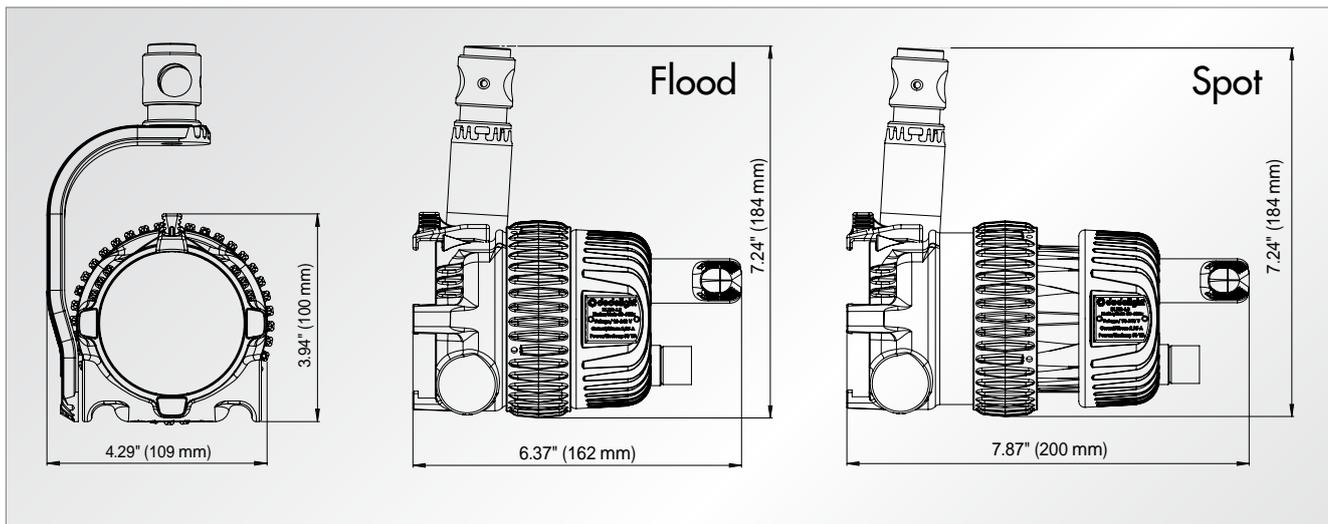
- mobile daylight version = DLED4.1-D
- mobile tungsten version = DLED4.1-T
- mobile bicolor version = DLED4.1-BI

dedolight DLED4.2SE

Studio version. Same light head as DLED4.1 but with U-shaped yoke and ballast attached to one side of the yoke.

- studio daylight version = DLED4.2SE-D
- studio tungsten version = DLED4.2SE-T
- studio bicolor version = DLED4.2SE-BI

DLED4.1 DATA



FOCUSING LIGHT HEAD: DLED4.1-D, DLED4.1-T, DLED4.1-BI

Focus Range (Intensity Range)	60° - 4° (1:20) *85 - 54° with optional aspheric wide-angle attachment
Focus Control	One complete turn on focus ring
Power	40W
Mounting	16 mm (5/8") receptacle and 28 mm (1 1/8") stud
Operating Position	Any
Tilt Control	Permanent friction
Accessory Holder	76 mm (3") diameter
Safety	Protection Class III, SELV
Cooling	Passive (no fan)
UV	No UV radiation
Weight	1,300 g (2.9 lb)
Size	W: 109 mm (4.29") L: (flood): 162 mm (6.37") L: (spot): 200 mm (8.87") H: 100 mm (3.94")

PHOTOMETRICS: DLED4.1-D Daylight LED Light Head

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	1500	375	167	94	60	
	Foot Candle	139	35	15	9	5,6	
Medium	Lux	2800	700	310	175	112	
	Foot Candle	260	65	29	16	10,4	
Spot	Lux	36000	9000	4000	2250	1440	270
	Foot Candle	3346	836	371	209	134	25

PHOTOMETRICS: DLED4.1-T Tungsten LED Light Head

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	1030	258	114	64	41	
	Foot Candle	96	24	11	6	4	
Medium	Lux	2250	563	250	141	90	
	Foot Candle	209	52	23	13	8,4	
Spot	Lux	18400	4600	2044	1150	736	
	Foot Candle	1710	428	190	107	68	

PHOTOMETRICS: DLED4.1-BI Bicolor LED Light Head (daylight)

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	1060	265	118	66		
	Foot Candle	99	25	11	6		
Medium	Lux	1800	450	200	113	72	
	Foot Candle	167	42	19	11	7	
Spot	Lux	8100	2025	900	506	324	71
	Foot Candle	753	188	84	47	30	6,6

Bicolor in tungsten function ~ 35% lower output

POWER OPTION FOR DLED4.1

DEDOLIGHT® DLED4.1 POWER SUPPLY

DT4.2 AC power supply for DLED4.1 tungsten and daylight light heads.

Allows worldwide use from 90 - 264 V AC* 50/60 cycle plus continuous dimming.

The DT4.2-BI, same as above but with extra control for continuous change of color temperature from daylight to tungsten.

Add suffix "DMX" for above ballasts with DMX control DT4.2-DMX

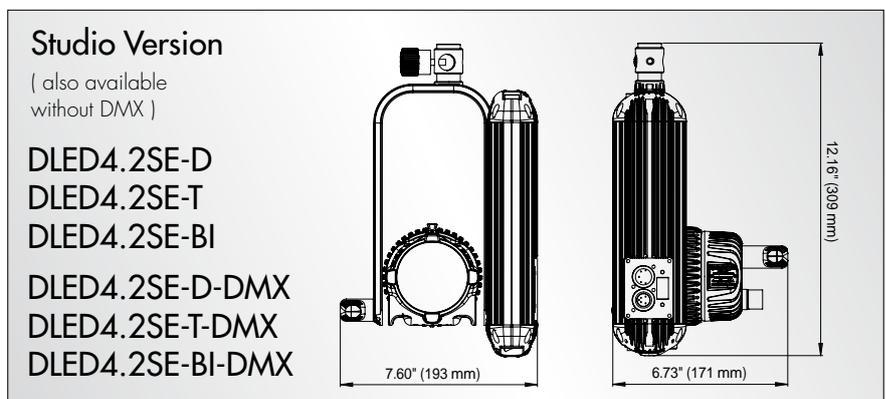
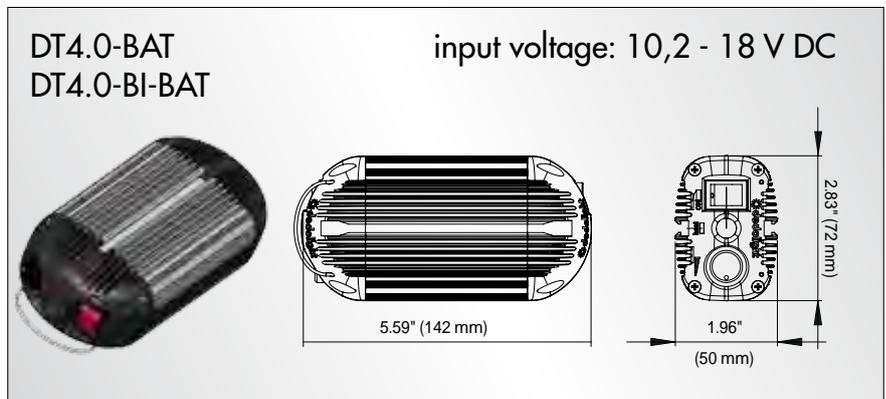
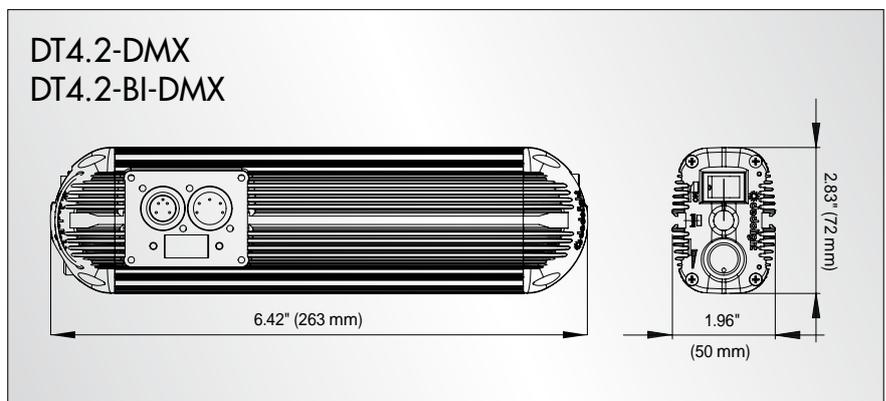
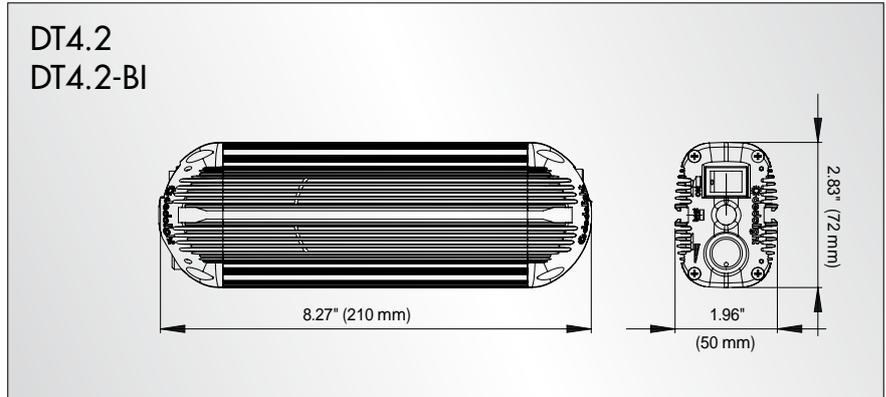
The DT4.0-BAT is much smaller and allows operation from any 11-19 V DC source.

The DT4.0-BI-BAT, same as above but with extra control for continuous change of color temperature from daylight to tungsten.

POWER SUPPLY:

DT4.2, DT4.2-BI

Input Voltage	90 - 264 V AC * 50 VA / 0,5-0,21 A 47 W
Output Voltage	40V
Controls	ON/OFF switch, dimming knob
Dimming	Continuously from 0 - >100%
Safety	Protection Class I, IP40
Cable length (plug -> power supply)	Mains cable 2.5 m / 8.2'
Cable length (plug -> light head)	Cable to light head 1.4 m / 4.6'
Mounting	Cable loop
Weight	1,000 g / 2.2 lb)
Size	L: 210 mm / 8.3" W: 72 mm / 2.8" H: 50 mm / 2"



*) includes actual tolerances in most countries

DLED9.1 DEDOLIGHT® ASPHERIC²® OPTICS



The exceptional dedolight DLED9.1 combines the unique dedolight double aspheric optical system with state-of-the-art *dedocolor LED light sources. This light head is available in daylight version, as well as in tungsten version. A tunable bicolor version is in development. This light accepts all of the accessories and projection attachment/imagers which are identical to the ones in our Series 400 lighting fixtures (DLH400DT, DLH650 and DLH436). This light is produced in a version for mobile use, although we expect that most of these lights will find their application in studio work.

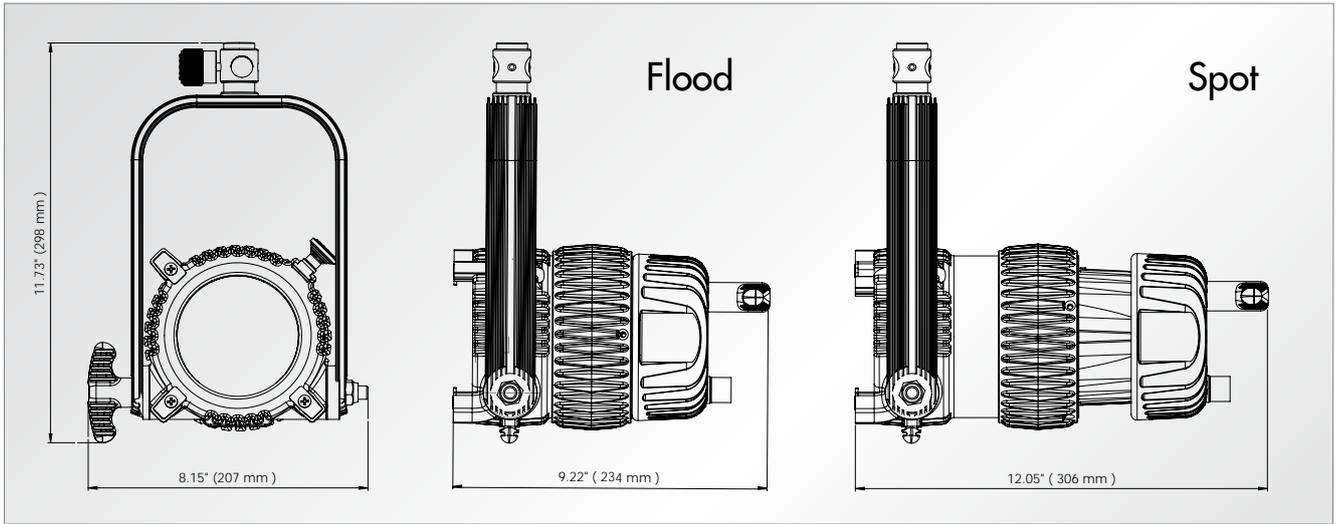
This fixture offers an astounding focusing range, excellent light and color distribution, with perfect color rendering qualities. The power supply for this light works with all voltages from 90 - 264 V AC *, and it allows continuous dimming without any color change.

A DMX version of this ballast is also available.

Since all LED light sources are extremely sensitive to heat, this light fixture includes a thermo-sensor with a signal for shutdown of the ballast, should an overheat situation arise under extreme ambient temperature conditions. Under normal studio conditions, this light fixture is made for continuous use.

*) includes actual tolerances in most countries

DLED9.1 DATA



FOCUSING LIGHT HEAD: DLED9.1-D, DLED9.1-T

Focus Range (Intensity Range)	50° - 4° (1:12) *75° - 44° with optional aspheric wide-angle attachment
Focus Control	Two complete turns on focus ring
Power	90 W
Mounting	16 mm (5/8") receptacle and 28 mm (1 1/8") stud
Operating Position	Any
Tilt Control	Permanent friction
Accessory Holder	129 mm (5.1") diameter
Safety	Protection Class III, SELV
Cooling	Passive cooling (no fan)
UV	No UV radiation
Weight	3,700 g (8.2 lb)
Size	W: 207 mm (8.15") L (flood): 234 mm (9.22") L (spot): 306 mm (12.05") H: 298 mm (11.73")

PHOTOMETRICS: DLED9.1-D Daylight LED Light Head

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	5080	1270	565	318	203	51
	Foot Candle	472	118	53	30	19	5
Medium	Lux	6600	1650	733	413	264	66
	Foot Candle	613	153	68	38	25	5,6
Spot	Lux	60000	15000	6666	3750	2400	600
	Foot Candle	5576	1394	620	349	223	56

PHOTOMETRICS: DLED9.1-T Tungsten LED Light Head

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	3860	965	429	241	154	39
	Foot Candle	359	90	40	22	14	4
Medium	Lux	5680	1420	631	355	227	57
	Foot Candle	528	132	59	33	21	5,3
Spot	Lux	40800	10200	4533	2550	1632	408
	Foot Candle	3792	948	421	237	152	38

POWER OPTION FOR DLED9.1

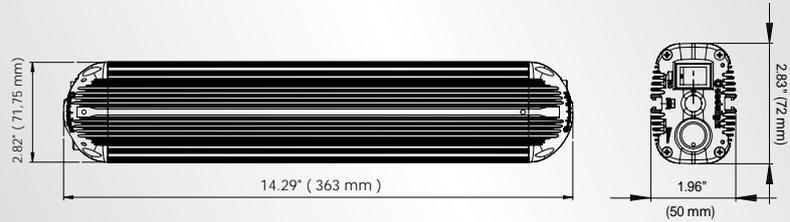
DEDOLIGHT® DLED9.1 POWER SUPPLY

DT9.1 AC power supply for DLED9.1 tungsten and daylight light heads.

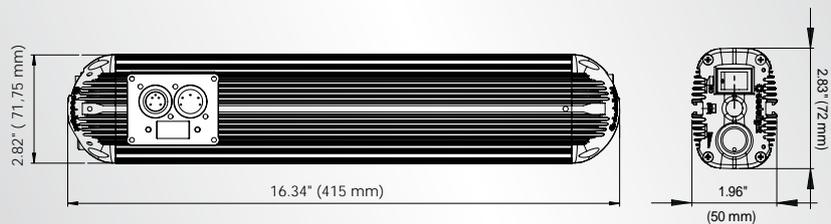
Allows worldwide use from 90 - 264 V AC* 50/60 cycle plus continuous dimming.

Add suffix "-DMX" for above ballasts with DMX control DT4.2-DMX

DT9.1



DT9.1-DMX



POWER SUPPLY:

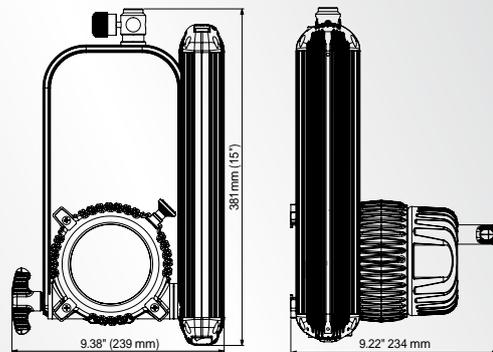
DT9.1

Input Voltage	90 - 264 V AC * 100 VA / 1 - 0,4 A 90 W
Output Voltage	40 V
Controls	ON/OFF switch, dimming knob
Dimming	Continuously 3-100% <3% off
Safety	Protection Class I, IP40
Cable length (plug - > power supply)	Mains cable 2.5 m / 8.2'
Cable length (plug - > light head)	Cable to light head 1.4 m / 4.6'
Mounting	Cable loop
Weight	1.400 g (3.1 lb)
Size	L: 365 mm (14.4") W: 72 mm (28") H: 50 mm (2")

Studio Version

(also available
without DMX)

DLED9.1 SE-D
DLED9.1 SE-T
DLED9.1 SE-BI
DLED9.1 SE-D-DMX
DLED9.1 SE-T-DMX
DLED9.1 SE-BI-DMX



*) includes actual tolerances in most countries



DLED12.1 DMX STUDIO EDITION

The DLED12.1 DMX is currently the largest in our range of focusing LED lights.

The extreme power of this light is compensated by a state of the art cooling system.

dedolight aspherics² optics provide the expected huge focusing range, clean beam and smooth light distribution.

Both daylight and tungsten versions are available.

A bicolor version is still in the test phase.

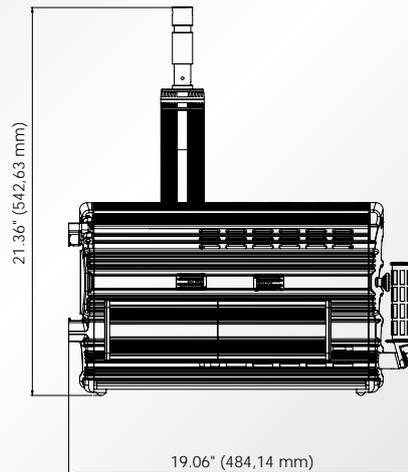
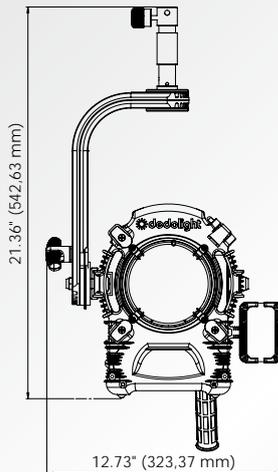


DLED12.1 DMX DATA

DLED12.1-D-DMX
DLED12.1-T-DMX

Pole-Operated Versions:

DLED12.1-D-PO-DMX
DLED12.1-T-PO-DMX



FOCUSING LIGHT HEAD: DLED12.1-D-DMX, DLED12.1-T-DMX

Focus Range (Intensity Range)	65° - 8° (1:6) *85-54° with optional aspheric wide-angle attachment
Focus Control	Focus control on back
Dimming	Continuously from 0 - >100%
Power	90 - 264 V AC * 240 VA / 2,4 - 1A 225 W
Mounting	16 mm (5/8") receptacle and 28 mm (1 1/8") stud
Operating Position	+/- 90° (from horizontal)
Tilt Control	Adjustable friction
Accessory Holder	169 mm (6.6") diameter
Safety	Protection Class I, IP 23
Cooling	Active heat pipe cooling with super quiet fan system
UV	No UV radiation
Weight	11,000 g (25 lb)
Size	W: 323,37 mm (12.73") L: 391,19 mm (15.40") H: 381 mm (15")

PHOTOMETRICS: DLED12.1-D-DMX Daylight LED Light Head

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	9720	2430	1080	608	389	98
	Foot Candle	903	226	100	57	36	9
Medium	Lux	21384	5346	2376	1337	855	214
	Foot Candle	1987	497	221	124	80	20
Spot	Lux	50400	12600	5600	3150	2016	504
	Foot Candle	4684	1171	520	349	187	47

PHOTOMETRICS: DLED12.1-T-DMX Tungsten LED Light Head

Distance	Meter	1	2	3	4	5	10
	Feet	3'	6'	9'	12'	15'	30'
Flood	Lux	9090	2273	1010	568	364	91
	Foot Candle	845	211	94	53	34	8,5
Medium	Lux	18180	4545	2020	1136	727	182
	Foot Candle	1690	422	188	106	68	17
Spot	Lux	48600	12150	5400	3039	1944	486
	Foot Candle	4517	1129	502	282	181	45



*) includes actual tolerances in most countries



DLOBML

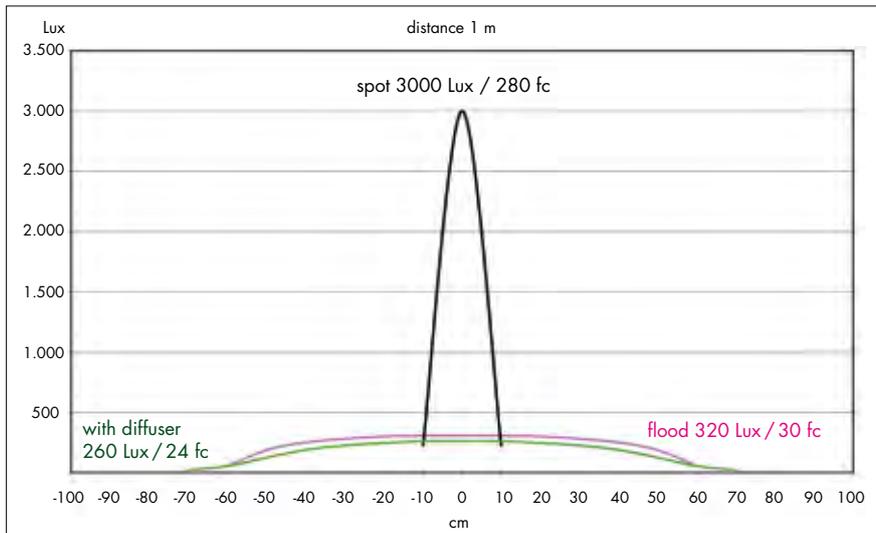
This light head works with a single, high-power LED

- Amazing output in combination with the dedolight double aspheric optics.
- Focuses like a dedolight. LED lights are usually not focusable.
- No other focusing LED light compares - 4° to 56°.

- Smooth light distribution in all and every focusing position.
- Wide-angle flip-up diffuser for 70° angle, smoothly covers wide-angle zooms.
- Clean, sharp, single edge barn door shadow OR a very gentle light and shadow transition with the flip-up wide angle diffuser in place
- Converts from daylight to tungsten via a flip-down filter
- Color rendition and color distribution is cleaner than comparable LED lights.
- Powers from any 6V to 18V DC power source.
- Optional battery shoes are compatible with Sony, Panasonic, Canon and Nikon mini-DV batteries.
- NPF550 7.2V, 2000 mA, 105 minute run time.
- NPF750 7.2V, 4000 mA, 210 minute run time.
- NPF950 7.2V, 6000 mA, 330 minute run time.

When dimmed to 50% light output, power consumption drops accordingly resulting in twice the run time. Alternative power from any Anton/Bauer or PAG system, car cigarette lighter output or battery belt.

- Power consumption is only 8W despite its high output.
- Operates from -40°C up to +40°C.
- LED power available indicator.
- Front-end bayonet mount allows the addition of attachments and light modifiers.



Options:

Soft tube, Soft box, White dome

Attach by front end bayonet mount



DLOBML-LT20

Soft tube, 20 cm / 8" long
 Ideal for soft light in confined areas, e.g., car interior at night. Detachable light shaper – folding plastic barn doors.



DLOBML-SBX12

Soft box, 12 cm / 5" wide
 Gentle fill light, easy to look at, ideal for close ups. Filter slot accepts tungsten conversion filter.

DLOBML-SBX12-CTO

Interchangeable front diffuser with color conversion to 3200K (not shown)



DLOBML-WD15

White dome soft box, 15 x 15 cm / 5.9" gentle light, evenly distributed, perfect as general fill light. Side covers can be opened individually.

DLOBML-TCF

Tungsten conversion filter for filter slot of all three accessories. Same filter slot serves for gel strips from any common switch book. Allows nearly any kind of color effect.

890/990 NM INFRARED LED ON-BOARD - LIGHT HEAD

iREDZILLA



DLOBML-IR890

works with cameras incl. night-shot function.

DLOBML-IR990

works with special night-vision surveillance cameras.

- Amazing output in combination with the dedolight double aspheric optics.
- Worlds first focusing near infrared illuminator that focuses like a dedolight.
- No other focusing IR-light has a comparable focusing range of 4° to 56°.
- Even light distribution in all focusing positions.
- Dims extremely smooth from full to zero.
- Narrow beam angle allows shooting through trees without disturbing reflections caused by close up obstacles.
- Illumination up to 40 m (130 ft) (tested with Sony Nightshot Camcorder).
- Powers from any 6V to 18V DC power source.
- Adjustable support arm allows it to be positioned on a camera.
- Various power cables and mounting accessories are available (see *Ledzilla® accessory list*).
- Works with most any night vision equipment, dramatically increasing performance.
- Amazing 2000 mW illumination power.
- The light projected from an 890 nm infrared

- Optional battery shoes are available for Sony, Panasonic, Canon and Nikon 7.2V Li-Ion batteries.
- NPF550 7.2V, 2000 mA, 105 minute run time.
- NPF750 7.2V, 4000 mA, 210 minute run time.
- NPF950 7.2V, 6000 mA, 330 minute run time.

When dimmed to 50% light output, power consumption drops accordingly, resulting in twice the run time.

Alternative power from any Anton/Bauer or PAG system, car cigarette lighter output or battery belt.

- Power consumption is only 6W despite its high output.
- Operates from -40° C up to +40° C.
- DC power indicator LED.
- Also available in 990 nm.
- Applications:
 - Infrared illumination for cameras (night shot)
 - Infrared photography
 - Surveillance systems
 - Machine vision systems

LED is invisible to the human eye, however you may see a dull red glow when looking directly at the front lens. iREDZILLA is also available in a 990 nm version.

FLUORES-ZILLA

DLOBML-UV

- Fields of application:
 - Black light effect / UV-active body paint
 - UV-active deco material
 - magic ink / Edding UV-marker
 - Fluorescent wall paint (paintings)
 - Bank note – document testing
 - Mineralogy
 - Shows poorly cleaned areas in bathrooms (soap & urine spots)
- Amazing light output with dedolight double aspheric optics
- Worldwide first black light source that focuses like a dedolight from 4° to 56°
- No heat emission in exiting rays
- No other focusing long-wave UV-A LED light source has comparable focus range
- Perfectly even light distribution in each focus position

- Extremely gentle dimming from full intensity to 5% without change of color
- Power supply from 6V – 18V DC
- Adjustable holding arm allows positioning above or in front of camera
- Multiple power supply and attachment accessories are available (see *Ledzilla® accessory list*)
- 1500 mW output
- In comparison to 365nm LEDs Fluoreszilla with 400 nm LED shows higher percentage of violet. Many materials reacting to fluorescent light appear in double brightness.
- Optional battery shoe for Sony, Panasonic, Canon and Nikon 7.2V Li-Ion batteries. (Same as iREDZILLA)
- Available as option with 365 nm LED
When dimmed to 50%, power consumption is lowered accordingly, resulting in twice the run time.

Alternative power supply from Anton Bauer or PAG system, cigarette lighter adapter or battery belt.

- Power consumption only 6W, inspite of high output
- Operating temperature from -40° C to +40° C
- LED power indicator

DLED4.1 SPECIAL - INFRARED AND UV

Special infrared or UV versions of DLED4.1. Similar functions to the Ledzilla IR and UV lights but with 3 times the output power.

DLED4.1-IR850



DLED4.1-UV400



ACCESSORIES – MOUNTING (FOR LEDZILLA®, IREDZILLA, FLUORESZILLA)



DLGA300 / DLGA200

Articulating arm, 200 mm. Square top, male shoe or 1/4" male to camera



DLBRS

Rail with 1/4" screw for camera and shoe for light head



DLBRHS

Rail with folding handle, 1/4" screw for light head



DV3GA

Ø 7.5 cm / 3" vacuum mount with 200 mm articulating arm



DLBSA-HAND

Shoe adapter with handle



DLBSA-TS

Table shoe: 9.5 x 6.3 x 1.2 cm (3.7" x 2.5" x 0.5"), with shoe for light



DLBSA-3S

Triple shoe with tilt lock



DLBSA-S

Female shoe adapter to 1/4" male



DLBSA-T

Female shoe adapter to 1/4" female



DLBSA-M

1/4" male to mini shoe for Sony mini camcorder, use with DLBSA-T



DLBSA-U

Square top fits Ledzilla®, ends in male shoe



DLA-LB

Large Bone, 2 x female shoes and 3 x 1/4" receptacles. Mounts to camera with 1/4" screw



DLBSA-MBJ

Metal ball joint with shoe



DLA-ML

Square top fits Ledzilla®. Accepts 16 mm baby stud (5/8")

POWER SUPPLY (FOR LEDZILLA®, IREDZILLA, FLUORESZILLA)



DLOBML-XLR

Coiled cable 65 cm - 1.30 m/25 - 51" with 4-Pin XLR connector



DLOBML-SWIT

Cable 55 cm/22" with Ø 2.1/5.5 mm connector for Swit battery



DLOBML-PAG

Cable 55 cm/22" with Ø 2.1/5.5 mm connector for PAG battery



DLOBML-CAR

Cable 1.8 m (6 ft.) with cigarette light connector



DLOBML-P

Soft pouch for Ledzilla®



DLB-NPF550

7.2 V Li-Ion battery 14.8 Wh (2000 mAh)



DLB-NPF950

7.2 V Li-Ion battery 43.2 Wh (6000 mAh)



DLCH-NPF

Charger for NPF battery. Input: 100-240V



DLOBML-AB-S

Cable 22 cm/9" with Anton/Bauer connector



DLOBML-AB-L

Cable 55 cm/22" with Anton/Bauer connector



DLPS-12

Mains power supply (100-240V) with 12 V DC output

DLOBML-BC

7.2 V Canon battery shoe for BP-9

DLOBML-BC2

7,2V Canon battery shoe for BP 808/809/819

DLOBML-BP

7.2 V Panasonic battery shoe for CGA

DLOBML-BP2

7,2 V Panasonic battery shoe for VW-VBG6 (AG-AF101)

DLOBML-BP3

7,2 V Panasonic battery shoe for VW-VBG 070/130/260 & CGA-DU 07/14/21

DLOBML-BSU

12 V Sony battery shoe for BPU

DLOBML-BS

7.2 V Sony battery shoe for NPF / Panasonic VW-VBD1

DLOBML-PBN1

7,2 V Nikon photo battery shoe for EN-EL3E

DLOBML-PBN2

7,2 V Nikon photo battery shoe for EN-EL15

DLOBML-PBC1

Canon photo battery shoe for LPE6



DLBF-8AA

External battery box for 8 AA batteries 1.5 V

WILL OUR NEW RANGE OF LED LIGHTS MAKE OUR PREVIOUS LIGHTS OBSOLETE ?

LED's are an emerging technology. Some users prefer to work with LED lights while others will see advantages in using the existing dedolight range of instruments. To some extent it depends on what is expected and the results that can be achieved with LEDs vs traditional lighting sources. dedolight is at the leading edge of development in LED lighting. With our patented dedolight optics we have new and exacting tools for the lighting professional.

1 – HIGH LIGHT OUTPUT

While LEDs offer a high light output, there is a trade off between very good color and lower output vs highest possible output with a lower color rendition index.

2 - LOWER ENERGY CONSUMPTION

- Most of the halfway decent LED light sources today provide approximately 60 lm / W. The traditional low voltage dedolight halogen lamps produce 40 lm / W.
- Metal halide lamps (usually daylight) provide 80 lm / W. This is the same light output achieved from the unique dedolight tungsten metal halide lamp.
- Professional fluorescent lamps provide 80 lm / W.
- Currently available decent LED's give 60 lm / W. If closer to perfect color rendition is desired the trade-off is lower efficiency (40 lm / W or less). In comparison, most of the traditional light sources give us a more reliable, full spectrum color rendition, fulfilling the demands of professionals for a CRI value above 90.

3 - COLOR RENDITION

Good color rendition is still difficult to find with many current LED's. After several years of intensive co-development work with several major LED manufacturers, we can now offer the highest performance *dedocolor in our multi LED panels as well as for the special demands for our focusing DLED range with dedolight double aspheric optics.

BENEFITS

Unique benefits of LEDs:

- Our bicolor LED line allows the user to change from daylight to tungsten on our bicolor panel fixtures and on our bicolor focusing fixtures, such as the DLED4.1 and DLED2.1. A tunable bicolor version will soon be available for our DLED9.1 and DLED12.1 DMX lights.

dedolight Sundance Kits (focusing and soft lights) may be changed from daylight to tungsten with a simple lamp change. With the bicolor LED's, this is accomplished with a continuously variable knob.

- Full dimming range with little or no color change
- Reduced „forward heat“ in the emitted light

Most people believe that LEDs produce little or no heat. This is far from the truth and requires explanation. While it is true that the forward heat of LEDs is low, the heat generated on the LEDs is still about 85% of the energy consumption vs. 85%-90% of heat generated with halogen lamps (better with our low voltage dedolight halogen lamps). Therefore, heat is still a major problem with LEDs and cooling is incredibly difficult,

either requiring large cooling systems or super-modern cooling technologies, which are not always applicable for professional demands in studios.

COMPARISON TO TRADITIONAL DEDOLIGHTS:

Classic dedolights have always been extremely eco-friendly by having double the light output from low voltage lamps compared to studio halogen lamps. dedolight's precision lighting instruments combine a revolutionary optical system, higher efficiency and farther reach, achieving drastically lower power consumption.

dedolight has been on the eco-train from the beginning. dedolight low voltage lamps cost only one quarter of the equivalent high voltage lamps and live many times longer, making it the most economical lighting system on earth.

When considering precision and light shaping control, the only competition to the traditional dedolights are dedolights own LED fixtures. We fully expect our traditional fixtures will remain prominent in the professional world. We continue to experience increasing sales of these lines. dedolight dedicated soft lights are absolutely unequalled by any other lighting system, especially when considering the creative characters of our PanAura® fixtures.

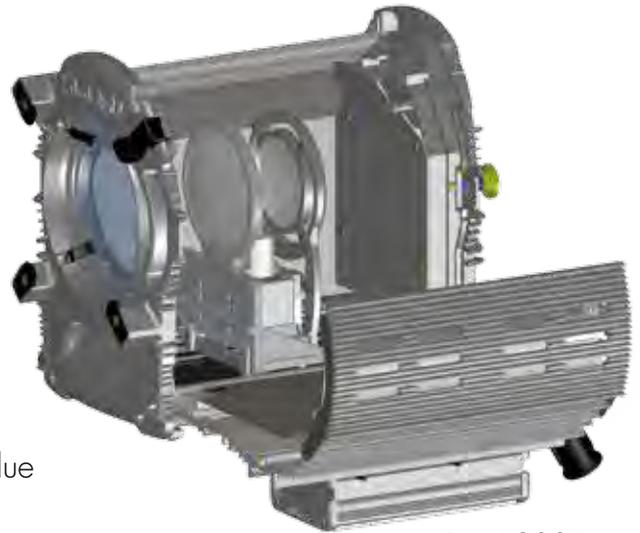
The new dedolight LED fixtures rank among the best possible due to the proven dedolight aspherics² optics. Our LEDs add another highly sophisticated range of tools for the professionals who will have to choose which of the dedolight instruments best suit their purposes and demands in image creation. Videos and literature with more detail and technical information are available upon request.



THE NEW 1200 W DAYLIGHT-SYSTEM

MANY YEARS OF EXPERIENCE CULMINATE IN THIS NEW CONCEPT. DOUBLE ASPHERIC OPTICS AND ZOOM FOCUS. THESE CONCEPTS ARE PATENTED AND HAVE BEEN TWICE RECOGNIZED BY THE OSCAR COMMITTEE OF THE ACADEMY OF MOTION PICTURE ARTS AND SCIENCES.

- Higher light yield
- Higher focusability
- Perfect light and color distribution
- Highly efficient convection cooling
- Rainproof
- Super service friendly
- Flips open like a book – easy access
- Extremely low UV values, approx. 1/20 of the value shown by other lights



DLH1200D



Technical Data:

DLH1200D Daylight Light Head

Focus Intensity:
1:18, with aspheric wide-angle attachment > 1:50

Weight:
10,5 kg / 23 lb

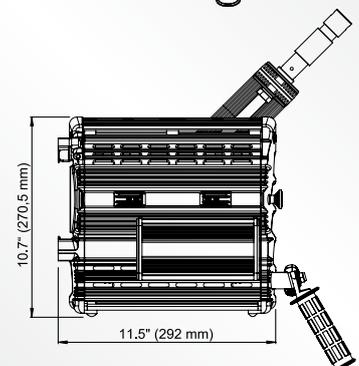
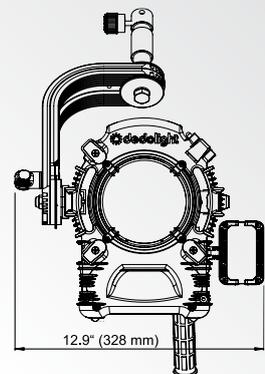
Lamp:
DL800DHR-NB, 800 / 1200W, clear, single ended hot restrike, G22.

Mounting:
16 mm (5/8") receptacle and 28 mm (1 1/8") stud

Safety:
Safety switch prevents operation when access door is open

UV:
Extremely low UV emission

ON/OFF:
On/Off buttons located on both, head and ballast, for ease of operation



Hard Case DCHD1200

Size: 71 x 37 x 43 cm (2,3' x 1,2' x 1,4')

Weight: 14,5 kg / 32 lbs



DEB 1200D THE ELECTRONIC BALLAST



DEB1200D Electronic Ballast

DPOW1200D Cable

- Leading edge technology
- Low heat dissipation
- Silent ventilator remains off during normal operation and operates under high heat conditions only
- Active power factor correction
- Auto ranging from 90 - 264 V AC*
- Overload protection
- Surge protection
- Short circuit protection
- Auto start function
- DMX control is standard
- Rainproof construction
- The ballast can be opened within 30 seconds—like a book.
- Full access to all elements and electronics

Technical Data:

DEB1200D Electronic Ballast

Weight:
11,4 kg / 25 lbs

Output Power:
800 / 1200 W

Input Voltage:
90 - 264 V AC *

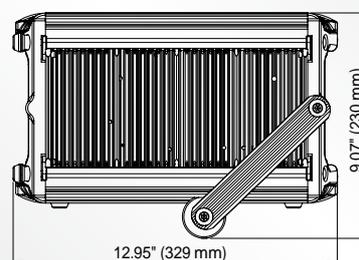
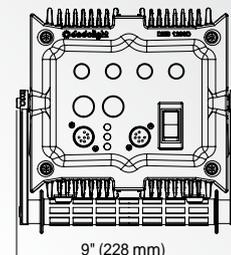
Indicators:
3 Status-LEDs (Ready, Lamp, Heat)

Dimming Range:
40 - 100 %

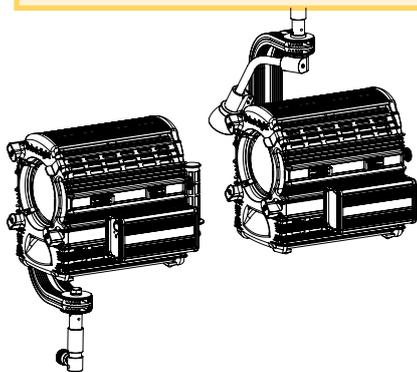
DMX-Control and Auto Start Mode
„Silent Mode Function“ switchable

Stand mounting optional:
with clamp

*) includes actual tolerances in most countries



THE TUNGSTEN-EDITION OF THE NEW SERIES 1200



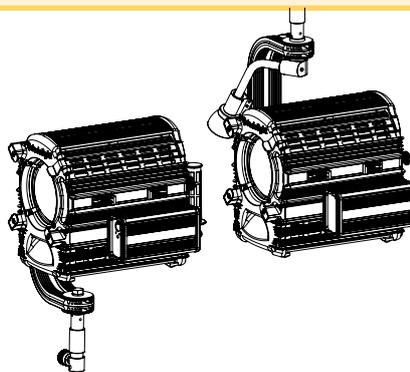
DLH1000T / DLH1000TPO

DLH1000T

A mains operated light with unrivaled focusing range and superior light quality. Can be used with a choice of G22 halogen lamps available in 1 kW, 750W, 650W and 500W from 120-240V.

DLH1000TPO

Pole operated Versions for studio applications



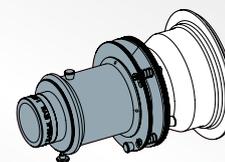
DLH1000T-DMX / DLH1000TPO-DMX

DLH1000T-DMX

DLH1000TPO-DMX

with DMX controlled integrated dimming

Condenser back-end module to adapt all imager modules from Series 400 onto Series 1200.



DP1200CON

For use with 150 mm, 185 mm and 230 mm projection lenses. Two component condenser for the adaptation of all DP400 imager modules for use on 1200 series light heads.

For special wide-angle lenses 70 mm and 100 mm ask for DP1200CON-WA with special versions of framing shutter and universal modules.



A DEDICATED SOFT LIGHT THE PORTABLE WINDOW

Why do we call it dedicated?

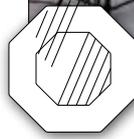
Similar to the other known seven dedolight soft lights, these have been conceived exclusively as optimum soft light sources

- Light output is double in comparison to a soft box in front of a studio Fresnel light, because the actual light sources are placed in the focal point of the reflector
- Gentle wrap around character

On an optimum soft light source, the light emission on the large diffuser should be perfectly even to the edge. It should even be somewhat more intense towards the edge.

Both variations are offered by this soft light by changing the standard inner diffuser with a rim-aura diffuser (both types included).

- The standard inner diffuser provides perfectly smooth light distribution



The inner Rim-Aura diffuser provides a brighter rim area (Aura) on the front diffuser and is closer to the idea of a „wrap around light“



Alternatively, use the large inner diffuser for all over even light



PanAura® 7 with 40° grid



Tungsten / Daylight

dedolight is probably the only one who offers the interchangeability of daylight discharge lamps with tungsten discharge lamps. Both have equally high light output, identical high color quality and both work with the same ballast.



DL400DHR-NB

Metal Halide Lamp 400/575 W Daylight

DL575THR-NB

Metal Halide Lamp 400/575 W Tungsten

Intensity control in seven steps with no change of color.

This two lamp system offers a wide range of intensity control. Each lamp is individually controlled and can be switched from 575 W to 400 W or continuously dimmed to 300 W and then switched off. This results in an unprecedented range of intensity control without any change to color quality.

Higher Output - More Light - Less Consumption - Less Heat



DLHPA7x2DT

Soft light head for 2 lamps, daylight or tungsten, interchangeable, same high light output. Both lamps work with the same ballasts.

How do you want to call it?
Energy Efficient?
Green-Tec?
dedolight-PanAura®?
The Portable Window?
... or just the soft light with the most loving character?

Even though we do not favor the hot spot philosophy, we still have 140 percent light level in the center compared to a 5000 W tungsten Fresnel with a soft box and use only 1150 W.

250 percent light level towards the rim compared to a 5000 W tungsten Fresnel with a soft box – and we still only use 1150 W.

PanAura® compares favorably with a soft box on a 2.5kW daylight studio light – more light and uses only 1150 W.



DLHPA7-EXT

Yoke Extension
For use with PanAura® 7 in tilted position for extra distance between light stand and PanAura® 7.



DEB400DT

Electronic flicker free ballast for daylight and tungsten discharge lamps.

DPOW400DT

Connection cable between Light Head and Power Supply



DEB400Hx2

Extending ballast holder for better balance

DLPA7*

dedolight PanAura® 7 soft box with additional rear cowling and 2 different inner diffusers (DLPA7D2 standard diffuser and DLPA7D2S rim aura diffuser) as well as the DLPA7D1 large front diffuser.

DLPA7x4T*

dedolight PanAura® 7 Special version soft box with super high heat resistant material and additional air vents for use with DLHPA7x4T (4x1000W).

DLPA7G

40° grid for all PanAura® 7 Models

DSCPA7W

PanAura® 7 soft case with wheels

* When using the PanAura 7 with DLHPA7x2T and DLHPA7x4T heads and PanAura 5 with DLH1000SPUS head with halogen lamps in a straight downward position (for extended period of time), please request extra „heat shield inserts“.

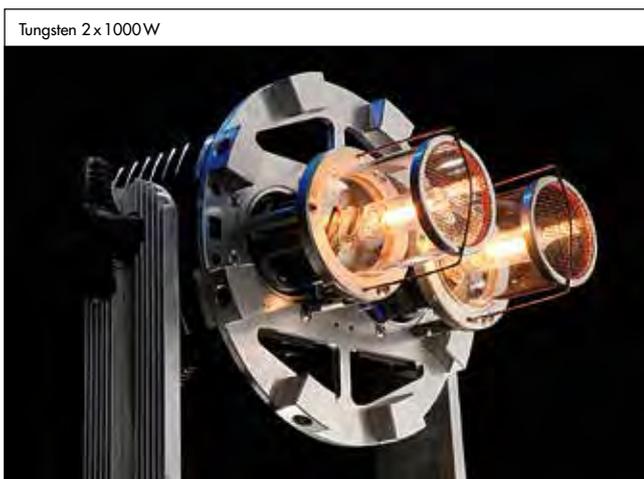
PURE TUNGSTEN VARIATIONS OF PANAURO® 7

When you don't need daylight and the flexibility to change between daylight and tungsten (interchangeable lamps), you may want a pure halogen tungsten light source.

Tungsten PanAura® light head DLHPA7x2T works with two 1000W halogen lamps.

The DLHPA7x4T works with four 1000W lamps (type DL1000FEP/NB/FEL/NB). The 4K version (4 lamps) requires a special soft box which can withstand the extra heat and provides extra air vents (DLPA7x4T).

All halogen lamps are individually switchable or can be dimmed individually with our new dimmers - see page 28.



DLHPA7x2T

Soft Light Head for 2 Lamps 1000W Halogen with protective glass tubes



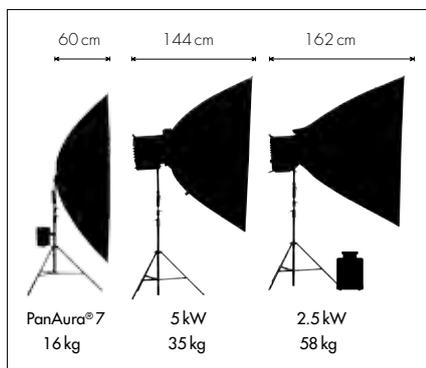
DLHPA7x4T

Soft Light Head for 4 Lamps up to 1000W Tungsten each, with protective glass tubes

SIZE, DEPTH, WEIGHT

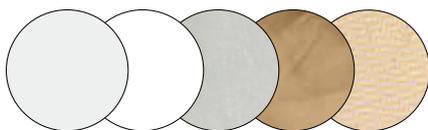
The PanAura® family comes in 3 sizes, all offer superb soft light character without any hot spot, and the choice of different inner diffusers allows smooth and even light distribution or the typical PanAura® look with the brighter rim towards the outside - the true loving, caressing wrap-around light character.

When working in confined areas the depth of the light head can make the decisive difference whether this wonderful, creative tool can be used at all. The very shallow depth of this portable window system offers distinct advantages in space consumption. Also much less weight, higher light efficiency, lower heat, lower power consumption (never blow a household fuse).



MULTIDISC 5 IN 1

The MultiDisc 5 in 1 offers five reflector surfaces. Translucent, white, silver, gold, and soft gold in one easy to carry package. Switch surfaces in seconds.



- Translucent: Use to diffuse light. Produces a broad light source and soft effect.
- White: Use to reflect light with natural looking results.
- Silver: Use to increase specular highlights adding more contrast to your image.
- Gold: Use for a strong warming effect in your lighting
- Soft Gold: Use for natural looking, warmer reflected light. Soft Gold combines silver and gold in a zig-zag pattern for a warm, summery feel that works great with skin tones.

The heavy duty steel frame is guaranteed not to break for the life of the product. Reflector surfaces are smooth and flat for consistent, even reflections. The MultiDisc comes in its own protective, durable fabric case for storage and transport.



DF5IN1-56

Small 56 cm (22")

DF5IN1-81

Medium 81 cm (32")

DF5IN1-106

Large 106 cm (42")



DLTCH Compact Disc Holder

The new compact holder for dedoflex reflectors and diffusers as well as for dedoflex 5in1 MultiDiscs. The holder consists of two parts and can be expanded from 71 cm/28" to a maximum of 127 cm/50". A 16 mm stud is provided for mounting accessories or light heads.

PACK AND TRANSPORT



SPA7x2DT

Tungsten/Daylight
PanAura® Kit, complete

- robust soft case with wheels
- soft light head
- 2x 400/575W daylight lamps
- soft box with rods and baffle
- 2 types of inner diffusers
- 1 front diffuser
- 40° grid
- 2 ballasts, cable

optional:

- yoke extension
- variable ballast holder
- stands
- 575W tungsten lamps (available soon)

New soft case with wheels for Portable Studio

Robust soft case. Same as DSC2/2-200 but with wheels
The DSC2/2-200W can be replaced on the following kits:

- S2 - Traveler Kits
- S3 - Hustler Kits
- S4 - Explorer Kits
- S200-3 - Sundance Kit
- SPS4 - The 4-Light-Kit
- SPS5 - The 5-Light-Kit
- SPHOTO1 - Photographer Kit
- SPHOTO2 - Wedding/Reporter Kit



DSC2/2-200W

WIDE EYE - NEW WIDE ANGLE OPTIONS

Enables focus range like no other light. When light is pointed downward - even from an angle - rotating barn door leaves give parallel shadows, for the first time in lighting history



Your Rembrandt, lit with a traditional 8-leaf barn door (Many barn doors only have 4 leaves)



Our system turns the 'unavoidable' trapezoidal shadow edges into parallel shadows.



dedolights can focus like no other conventional light source. This is made possible by our patented dedolight concept with two aspheric lenses and triple zoom focus movement.

Small studio lights focus in a ratio of 1:3.
Some large studio Fresnels reach 1:6.
dedolights have a focusing range up to 1:25.

These figures refer to changes of intensity when focusing from flood to spot. dedolight changes the angle of exit from approx. 60° down to 4°. Such are values which are never reachable by other comparable lights.

New - another added exclusive feature:
A whole series of aspheric optical, wide-angle attachments called Wide Eye.

By adding these attachments the focusing range of dedolights is enhanced up to a ratio of 1:55 and changes the angle of exit from 4° all the way to 90°. For video cameras, such attachments were known to turn a standard zoom into a wide-angle zoom. This is another dedolight lighting exclusive.

Wide Eye is available in three different sizes:

- for Classic dedolight, 200W Sundance and DLED4.1
- for Series 400 and DLED9.1
- for Series 1200 and DLED12.1

Why do we need rotating barn door leaves? All traditional barn door leaves can only be adjusted parallel to each other. Isn't that amazing...practically most lighting situations work from an angle (usually from above) in which case the shadow edges of traditional barn door leaves will no longer show as parallel, but as a trapezoidal shape. That is not the way our houses, rooms, doors and pictures are built. When rotating the barn door leaves of the dedolight (special barn doors like DBD2 and the barn door leaves on the wide-angle attachments) it enables you for the first time to light vertical and rectangular edges of objects with precision.

- wide angle of exit up to 85° or 90°
- perfect light distribution
- minimum light loss
- continuously focusable
- always full control - these Wide Eye attachments work with 8 barn door leaves
- even better - the barn door leaves can rotate (another dedolight patent)

DLWA

Wide-angle attachment for classic dedolight

DLWAR

Wide-angle attachment with rotating barn door leaves for classic dedolight

DLWA400R

Wide-angle attachment with rotating barn door leaves for series 400 lights

DLWA1200R

Wide-angle attachment with rotating barn door leaves for series 1200 lights

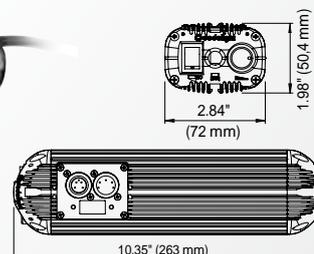
NEW: HIGH TECH NOISELESS MOSFET DIMMERS - ALSO WITH DMX

DLDIM2000

In-Line Dimmer 230 V max. 2 kW
120 V max. 1 kW

DLDIM2000-DMX

DLDIM2000 with integrated DMX control
This dimmer with integrated DMX, can control many dedolight tungsten focusing and soft lights along with lights of other manufacturers up to 2kW at 230-240V or up to 1 kW at 100-120V. Since these DMX-controlled dimmers are noiseless, they can be mounted next to the light. Mounting



devices for attaching to pipes via clamps are available. As a result, many studios will be able to eliminate external dimmers which often

generate noise and require a room of their own. Our high tech dimmers bridge the missing gap of DMX for all halogen studio lights.

DEDOLIGHTS WITH INTEGRATED DMX-DIMMERS

In studios you will find that the moving lights are always DMX controlled. Most KinoFlo lights can be DMX controlled. Other focusing lights are usually not DMX controllable. This is one of the reasons why our dedolight 150W DMX controllable light heads (DLHM4-300DMX) which offer a light output similar to a traditional 500 W Fresnel, are used in many TV studios. Also our daylight light heads are DMX controllable.

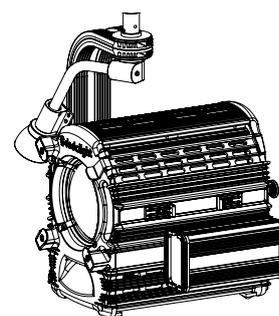
150W light head with light output similar to traditional 500W Fresnels (DLHM4-300DMX)



650W pole operated light head (DLH650PO-DMX)



1000W pole operated light head (DLH1000TPO-DMX)



The dedolight DLH400DT daylight fixture, with its DEB400DT ballast is also available with DMX control. Our new 1200 W daylight source (DLH1200D) and DEB1200D ballast are equipped with integrated DMX control as a standard.

12/24 V IN-LINE DIMMER

Working with batteries, over voltage can occur quite frequently.

As an example - professional video camera batteries which are nominally called 12V batteries are no longer true 12V versions but mostly 14.4V - and when they are freshly charged they provide up to 17V. The DLDIM-BAT dimmer solves this problem.

DLDIM-BAT

The Classic dedolights work with 12V and / or 24V special low voltage lamps. These lamps offer the following advantages:

- extreme high light output for a halogen system with 40 lumen per Watt (standard high voltage halogen lamps only provide approximately 20 lumen per Watt)
- resistant to shock and vibration (which is definitely not a virtue of high voltage halogen lamps)
- drastically lower purchase cost (75% less)
- longer life expectancy
- **BUT: All halogen lamps which offer very high light outputs are sensitive to over voltage.**



Tech Specs: DLDIM-BAT Inline Dimmer

- Switch the voltage selector to the 12V - DC position - Now you can feed up to 18V, but the maximum output voltage is limited to 11.8V. This is suitable for 12V - 20, 50, 75 and 100W lamps.
- Switch the voltage selector to the 24V - DC position - Now you can feed up to 36V, but the maximum output voltage is limited to 23.5V. This is suitable for 24V - 50, 100 and 150W lamps.
- The lamps will be gently started (soft start) when switched on.
- Recognition of defective or missing lamp (blink code with LED indicator)
- Short circuit and overload protection
- Smooth dimming range 3-100%
- Robust and small housing
- Low voltage cutoff at 10.2V respectively 20.4V for protection of batteries
- When input voltage is lower than 12V the maximum output (100%) cannot be reached. Similarly, in 24V mode the maximum is not possible when the input is below 24V

BACKGROUND FX GLASS GOBOS

To be used with our DP1 and DP400 imagers. Background FX glass gobos quickly change any flat, drab background into a stunning piece of set design.

With eleven different patterns and eight colors, dozens of effects can be created. Focusing and defocusing the pattern changes the mood.

Sandwich them together with standard metal gobos and you have an even wider choice.

The same effects and colors are also available for the DP400 (Series 400) imager.

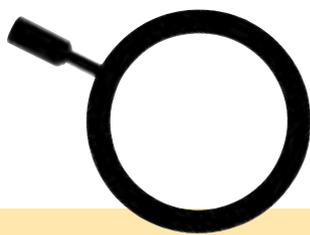


Each pattern is available in 8 highly saturated dichroic colors:

Blue (B), Purple (P), Light Blue (LB), Red (R), Magenta (M), Yellow (Y), Turquoise (T), Light Green (LG)

Sample order code:

DFXT4003-B= „Waffle“ blue

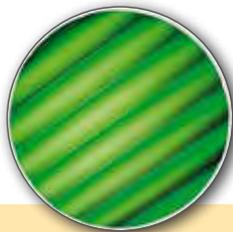


DFXH

Effect Glass Holder for Ø 66 mm (M size)

DFX400H

Effect Glass Holder for Ø 100 mm (A size)



DFXT4

Effect Glass „Waves“



DFXT8

Effect Glass „Crystal“



DFXT1

Effect Glass „Harmony“



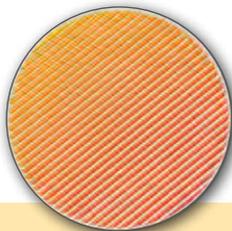
DFXT5

Effect Glass „Lamello“



DFXT9

Effect Glass „Flow“



DFXT2

Effect Glass „Groove“



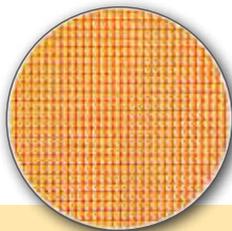
DFXT6

Effect Glass „Mystic Squares“



DFXT10

Effect Glass „Farrago“



DFXT3

Effect Glass „Waffle“



DFXT7

Effect Glass „Cakester“



DFXT11

Effect Glass „Cells“

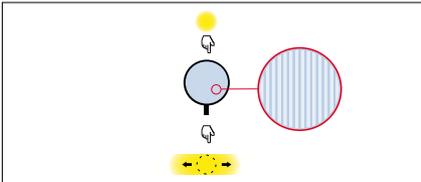
DIRECTIONAL BEAM SPREADER DWAFX



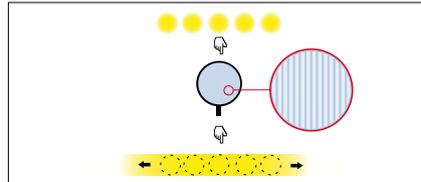
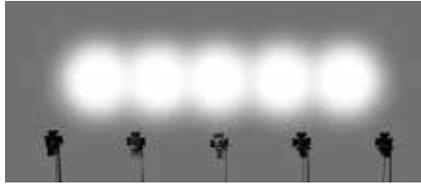
A special structure in a metal frame / holding ring – These unique light-shaping attachments spread the defined beam of the focusing dedolight in one direction. The orientation of the beam spread can be rotated.

- high transmission
- practically no diffusion

The effect on a dedolight:



On multiple dedolights:

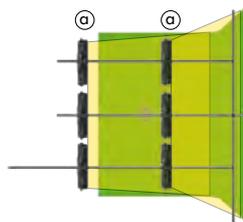
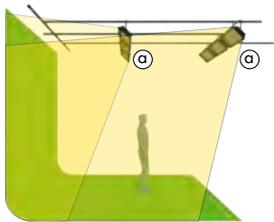


Can also be used for a combination of several dedolights in spot or medium focus position (all with equal focus and intensity settings – DMX), placed in parallel direction to achieve a uniform band of light.

Similar effects have always been possible on focusing studio lights or lights with a defined beam angle by adding a gel filter called „brushed silk“. This is still valid, but will always produce a noticeable amount of diffusion at the same time as spreading the light beam in one direction.

With the unequalled dedolight and the clean beam concept, these directional beam spreaders DWAFX allow the spreading of the light without causing diffusion.

1

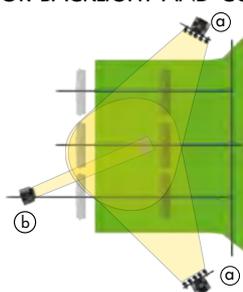
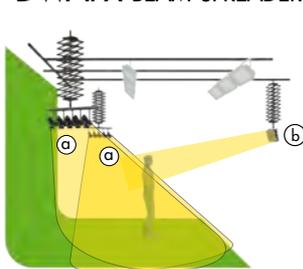


In virtual studios, great care is taken to light the green background and floor evenly and free of shadows.

1a This for example with 2 rows of KinoFlo Image 80 lights. In most cases, the lighting on the lonely person in the green desert looks relatively sad and unstructured when shooting a medium shot or close-up in such situations. It rarely ever happens that the light on the person has anything to do with the lighting found in the virtual background.

USE OF DWAFX BEAM SPREADER FOR BACKLIGHT AND CONTOUR LIGHT IN A VIRTUAL STUDIO

2



Placing whole banks of parallel dedolights on both sides (2a), controlling each bank of the lights in an identical way by DMX control, the actor can be lit from the knee upward without causing any noticeable shadows on the green floor. Even if the dedolights are placed in such a way that they are looking downward at a moderate angle, the shadows can be projected to fall outside of the 'action area'.

Also adding an extra light source (2b) to bring some life to the eyes, it is possible to adapt the lighting to closely match the virtual background. Eventually we will have some videos explaining different approaches for lighting methods for virtual studios.

- For tungsten use dedolights **DLHM4-300DMX** or **DLH650DMX**
- For daylight use dedolights **DLED4.1-D** or **DLED9.1-D**

These directional beam spreaders are available to fit the classic focusing dedolights such as the DLH4, DLHM4-300, DLH200DT and the new DLED4.1 – **DWAFX** (diameter 76mm)

Available for Series 400 dedolights such as the DLH400DT, DLH650T and DLH436T. – **DWAFX400**

Also for our Series 1200 lights such as the DLH1200D, DLH1000T and our largest focusing LED fixture, the DLED12.1 – **DWAFX1200**

SLIDE PROJECTIONS FOR STUNNING EFFECTS AND TEACHING LIGHTING SETUPS FOR VIRTUAL STUDIOS



DP3



DP400-SHA

With the slide holding attachments which are available for all series of dedolight, slides can be projected. Usually this wants to be done from an angle, so that the person in front of such a projection will not be touched by the light from the slide projection. This can be done from an angle of 45° or 30°.

Maintaining equal focus from left to right can be achieved by the adjustment of the image plane in our projection devices (left-right as well as up-down).

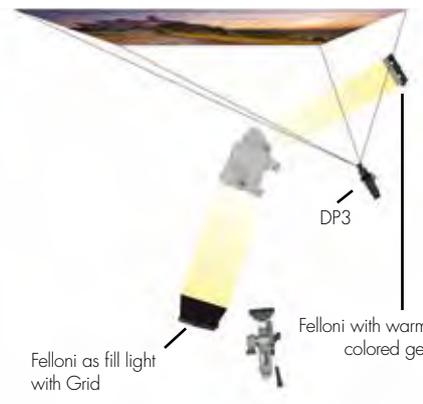
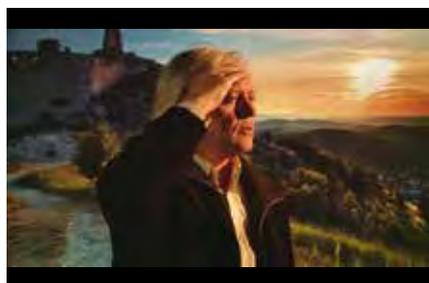


No distortion



Distorted slide for 30° or 45° projection

For the projections of 45° or 30° angle we usually distort the slides in the computer before printing them, and then they will distort on the background onto which the slides are projected so that parallel verticals can be maintained. Such slide projections can be used as an easy background projection without the hazards of disturbing reflections from green or blue backgrounds. This may occur when there is not enough space between the talent and the green or blue background.



To teach lighting for virtual studios, a slide projection can be a wonderful tool. In the same view for the eye, as well as the camera, the projected background image appears at the same time as you can see the setting of the lighting on the talent. Trying to match the lighting on the talent with the character of the lighting in the background is often easily achieved, sometimes aided by the addition of color effect filters.

For the aspiring media student this can be a great learning experience, also for choosing suitable light sources to make the lighting on the talent melt in a natural way into the virtual background (Visibly projected background), and still separate the talent by lighting from the background.

The background will always appear in focus when using cameras with a small sensor and short focal length lens. Sometimes the effect of a greater separation or space can be achieved by throwing the projected background out of focus – easily done by defocusing the projection lens on our imager.

If further refinement of such effects is wanted, e.g. on a landscape setting, this is possible (by virtue of our moving image plane in the imager) so that the foreground (e.g. the lower part of the image) can be kept in focus, whilst half or two-thirds of the upper image on the projected background can drift out of focus, again creating the illusion of greater depth.

This is also a subject which we will describe in one of our future videos, to show how easy such effects can be achieved.

dedolight



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