



# LED DayLite® HDi™

## SURGICAL

**USER GUIDE**  
Model: DVI-LEDSC



## **DESIGNS FOR VISION, INC. LED DAYLITE® HDI™**

The Designs for Vision LED DayLite® HDi™ Headlights provide bright, portable light to the surgical environment. They are designed to be comfortable yet functional. The headlights are made to clip onto a wide variety of frames and/or headsets.

### **INDICATIONS FOR USE**

The Designs for Vision LED DayLite® HDi™ is an illumination device used to aid in visualization for medical professionals. It is intended to illuminate various tissues and/or body parts. This device is intended to be used by medical professionals, requiring no specific training other than what is contained in this manual.

### **CONTRAINDICATIONS**

None known

### **WARNINGS**



*Save these instructions. This manual contains important safety and operating instructions*



*Always examine the unit and accessories for damage before commencing use. Damaged accessories must not be used and must be replaced. Use original Designs for Vision, Inc. parts and accessories only. The use of unapproved parts may void the warranty.*

*To reduce the risk of battery explosion, follow these instructions and those marked on the battery*

*Do not Autoclave*

*For indoor use only*

*If the equipment is used in a manner not specified by Designs for Vision, Inc., the protection provided by the equipment may be impaired*

*A spent battery should not be used. Contact Designs for Vision Inc. for ordering a replacement*

*Replace with Designs for Vision, Inc. battery only. Using unapproved batteries may not work and will void the warranty*



*This equipment and accessories do not contain serviceable parts. All repairs need to be conducted by Designs for Vision, Inc. service personnel*

*Do not let liquids enter openings or ports. Do not immerse parts in solutions. Allowing liquids to enter openings or ports may void warranty.*

*Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or in an oxygen rich environment*

*Care must be taken when operating this equipment around other equipment to avoid reciprocal interference. Potential electromagnetic or other interference could occur to this or to the other equipment. Try to minimize this interference by not using other equipment in conjunction with this device*

*No modification of this equipment is allowed. Performing unauthorized modification on the equipment, accessories or the product labelling may void the warranty*

*Remove battery from power pack if this device is not in use and will be stored for some time. Maintain storage at environmental conditions listed below*



*Improper use of battery may cause them to get hot, ignite or explode. Always follow all safety precautions listed in this manual*

*Never make changes or modifications to the battery pack*

*Do not short circuit*

*Do not expose to fire*

*When replacing battery, be careful to not crimp or crush wires inside of power pack*

*Protect battery from fluids and damp environments*

*Charge batteries with supplied charger only*



*Waste of electrical and electronic equipment must not be disposed as unsorted municipal waste. It must be collected separately, and must be disposed as per local regulations*



*Do not use within 8 inches of electrocautery devices to maintain proper function*



*Always use a cloth to clean/disinfect products*



*Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.*



**Before using your headlights/power pack make sure to charge the power packs**


## SPECIFICATIONS

LED DayLite® HDi™		Model Number: DVI-LEDSC	
<b>POWER REQUIREMENTS</b>			
<p><i>Battery Power : 7.4VDC, 3.5Ah 18650 Li-Ion</i>  <i>For Charging : <sup>A)</sup> Cell-Con Charger Model 2240</i>  <i>Input : 100-240VAC, 50/60 Hz, .35A</i>  <i>Output : 8.4 VDC, 1.3A max</i></p>			
<b>ILLUMINATION</b>		<i>Measured with a cosine corrected light meter</i>	
At 12" UltraMini® HDi™:	High	55,000 lux ± 10%	
	Low	34,000 lux ± 10%	
At 12" UltraMini® PS:	High	40,000 lux ± 7%	
	Low	24,000 lux ± 10%	
At 13" USB DayLite®/DayLite® HDi™:	High	100,000 lux ± 7%	
	Low	88,000 lux ± 10%	
At 16" TwinBeam®/TwinBeam® HDi™:	High	140,000 lux ± 7%	
	Low	125,000 lux ±10%	
At 12" UltraMini HDi™ REVEAL:	High	4280 lux ± 7%	
	Low	3800 lux ±10%	

<b>RUNTIME</b>		<i>Measured with a fully charged battery</i>	
UltraMini® HDi™/UltraMini® PS/ReVeal:	High	10 hours +/-10%	
	Low	19 hours +/-10%	
USB DayLite®/DayLite® HDi™:	High	6.5 hours +/-10%	
	Low	9 hours +/-10%	

TwinBeam®/TwinBeam® HDi™:	High	4 hours +/-10%
	Low	5 hours +/-10%
<b>DIMENSIONS</b>		
POWER PACK:	3.60" x 1.95" x .95"	
WEIGHT:	4.9 oz.	
USB DayLite® HEADLIGHT:	1.15" Dia. x 1.53"	
WEIGHT:	.95 oz.	
DayLite® HDi™ HEADLIGHT:	1.15" Dia. x 1.76"	
WEIGHT:	1 oz.	
UltraMini® HDi™/PS HEADLIGHT:	.78" Dia. x 1.27"	
WEIGHT:	.50 oz.	
TwinBeam® HEADLIGHT:	11.00" x 7.50" x 6.00"	
WEIGHT:	15.2 oz.	
TwinBeam® HDi™ HEADLIGHT:	2.62" x 1.56" x 1.62"	
WEIGHT:	2.9 oz.	

- A) External charger provided with an approved detachable power supply cord which can be easily and safely remove from supply mains

TRANSPORT & STORAGE	
TEMPERATURE:	-40°C to 70°C
RELATIVE HUMIDITY:	10% to 100% including condensation
ATMOSPHERIC PRESSURE:	500 to 1060 hPa
ENVIRONMENTAL OPERATING CONDITIONS	
TEMPERATURE:	10°C to 40°C
RELATIVE HUMIDITY:	30% to 75%
ATMOSPHERIC PRESSURE:	700 to 1060 hPa
APPROVALS	
IEC 60601-1, IEC 60601-1-2, Class A, CISPR 11, IEC 62133, IEC 62366-1	
EQUIPMENT CLASS:	 Class II
INGRESS OF WATER:	IPX0 (ordinary equipment)
MODE OF OPERATION:	Continuous
PROTECTION FROM SHOCK:	NO APPLIED PARTS
OVERCURRENT PROTECTION	Firmware Controlled Protection
METHODS OF STERILIZATION:	Not Intended to be Sterilized
OXYGEN RICH ENVIRONMENT:	Not Intended for Oxygen Rich Environments
PATENTS:	8,851,709; 8,215,791; 7,690,806 HDi™

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## DEVICE DESCRIPTION

The UltraMini® HDi™ generates a 3” spot of light at a 12-inch working distance with up to 55,000 lux. The UltraMini® PS generates a 3.5” spot of light at a 12-inch working distance with up to 40,000 lux. Both lights have up to 11-hour battery runtime. The USB DayLite® and DayLite® HDi™ generate a 2¼” spot of light at a 13-inch working distance with up to 100,000 lux and 9-hour battery runtime. All four lights have a correlated color temperature of 5800K.

The TwinBeam® HDi™ generates a 2¾” spot of light at a 16-inch working distance. The light has a correlated color temperature of 5800K and a light intensity of up to 140,000 lux. The headlights can run on each battery pack for up to 5 hours

The LED DayLite® HDi™ includes these main components:

- Power Pack LEDSC
- Desktop Charger w/Power Cord
- UltraMini® HDi™ Headlight, or
- UltraMini® PS Headlight, or
- USB DayLite® Headlight, or
- DayLite® HDi™ Headlight, or
- USB TwinBeam® Headlight, or
- TwinBeam® HDi™ Headlight

Accessories include:

- Two Holsters w/Belt Clips
- Hex Drivers
- Cable Wrap Kit
- Operation Manual
- Registration Card
- T-Mount Bracket (*sold separately*)
- Headset (*sold separately*)
- Carrying Case (*if equipped*)

## DIRECTIONS FOR USE

### LED DAYLITE® HDI™ INITIAL SETUP AND CHARGING

Remove the components from the shipping container, checking that all parts on the packing

FIG. 1



*NOTE: The batteries need to receive a full charge **before** initial operation*

list have been received. Carefully remove the headlight, power pack(s), desktop charger and charger cord from the packaging carton. The desktop charger is designed to meet multi-national regulatory requirements and has multi-input voltage capability to accommodate various line voltages from 100-240 VAC. The unit is to be charged with the supplied charger only.

Plug the cord into the jack connector on the front of the power pack (*Fig. 1*).

Plug the power cord into the charger and connect the desktop charger to the AC outlet. *NOTE: International cords are available through Designs for Vision; refer to the list on page 28.*

The power button light will start pulsing to indicate the unit is in “Smart Charge” mode.

The status indicator (*Fig. 2*) will display the current state of charge. The LED will change colors as the battery charges; going from **RED** to **ORANGE** to **GREEN**. When the power button light remains steady, the unit is fully charged.

**FIG. 2**

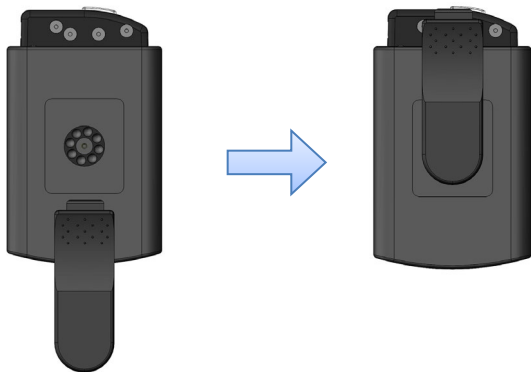


You can now disconnect the cord from the power pack to run on battery. The belt clip on the rear of the holster will allow you to carry it around with you.

## HOLSTER OPERATION

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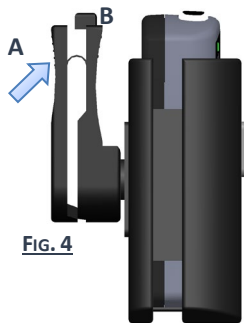
In addition to the holsters, Ratcheting Belt Clips have been included to allow for a full 360° rotation of the unit, even while it is attached to you. To place the belt clip on to the holster, simply slide it up over the raised circular ratchet disk until an audible 'click' is heard (*Fig. 3*). The clip on the back of the leather case is designed to clip onto a belt.



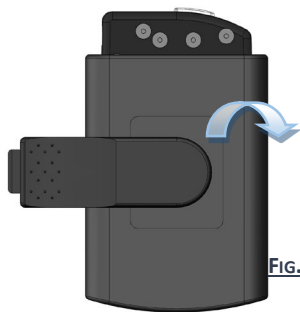
**FIG. 3**

Squeeze the clip together to open. Arrow A (Fig. 4) shows where to press. The power pack can rotate to your desired position.

Each increment is followed by an audible click. To remove the power pack from the clip, depress the button on the top of the belt clip while pulling up on the power pack, which is shown by arrow B (Fig. 4).



**FIG. 4**







**FIG. 5**

*NOTE: Make sure power pack is properly seated before commencing use.*

## UNDERSTANDING THE STATUS INDICATOR

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The LED DayLite® HDi™ incorporates an advanced status monitoring system. The following table describes what each indication signifies:

	<b>SOLID GREEN:</b> FULLY CHARGED BATTERY
	<b>SOLID/PULSING RED:</b> LOW BATTERY
	<b>FAST BLINK RED:</b> GENERAL ERROR. PLEASE CONTACT DESIGNS FOR VISION, INC. FOR FURTHER ASSISTANCE
	<b>SLOW BLINK RED:</b> BATTERY SPENT. PLEASE CONTACT DESIGNS FOR VISION, INC. FOR FURTHER ASSISTANCE

*NOTE: A spent battery should not be used. Contact Designs for Vision Inc. for ordering a replacement.*

The LED DayLite® HDi™ also incorporates a Low Battery Warning system. With approximately ten (10) minutes of battery power remaining, the headlight will flash three times. At five (5) minutes remaining, the headlight will flash another three times. At 30 (thirty) seconds remaining, the headlight will flash continually until the battery is completely depleted.

## REPLACING THE BATTERY

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At the end of its useful life, the battery will need to be discarded and replaced with a new one. To accomplish this,



**FIG. 6**

you will need the hex driver supplied with the unit. Loosen the screw at the bottom of the

power pack until it is removed from the battery door. Slide the door down and out to expose the battery (*Fig. 6*).

connector then place the battery in the pack. Make sure all wires are tucked into the compartment. Replace door and tighten screw. *NOTE: You will need to fully charge the battery before the fuel gauge will read properly.*

### USING THE ULTRAMINI®/DAYLITE®/HDI™ HEADLIGHTS

Place the headlight onto the t-mount bracket for your frame. The headlight can be adjusted up and down to align with your point of view. The headlight can then be locked into that position using the provided driver (if equipped). Locate the hex in the locking shaft of the



**FIG. 7**

headlight (Fig.7). Place the driver into this opening and turn clockwise to tighten the shaft. To unlock the position, loosen the shaft by turning counter-clockwise. *NOTE: The shaft will only turn a limited distance. Do not force in either direction.*

## CONNECTING YOUR HEADLIGHT

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***Before inserting or removing any headlight, cable from the power pack make sure the power pack is OFF***

Plug the headlight cable into the headlight (*Fig. 7*). The micro USB connector can only be plugged in one way. The indicator on the connector must be facing in the direction shown.

**Fig. 8**



Connect the large end of the headlight cable to the headlight port on the top or side of the power pack.

Clips and a cable wrap are also supplied to be used in conjunction with your frame to

direct the cable away from your face.

The power pack ***MUST BE OFF*** when plugging any light into the pack. Once the headlight is plugged in, press the power button on the top of your battery pack. The headlight will

turn on at high intensity. The power button will illuminate and the status indicator will display the current state of charge. A second press of the power button will lower the light intensity(LEDSC pack only) of the headlight. A third press turns the power pack off. **ONLY** remove the headlight plug from the power pack when it is **OFF**

## USING THE TWINBEAM® HDi™

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The TwinBeam® HDi™ headlights are available with either a DV headset or a CXL headset. Both designs incorporate two locking shafts on the adjustable arm (*if equipped*). This is designed to facilitate precise positioning (*Fig. 9*).



FIG. 9

Connect the small end of the headlight cable to the back of the headlight. Connect the large end of the headlight cable to the headlight port on the top of the power pack. Clips are

located on the headsets to direct the cable away from your face.

Press the power button on the front of your battery pack. The headlight will turn on at high intensity. The power button will illuminate and the status indicator will display the current state of charge. A second press of the power button will lower the light intensity of the headlight. A third press turns the power pack off.









## **INSPECTION AND PREVENTATIVE MAINTENANCE**

- Clean lenses with a standard glass cleaner and a soft, lint-free cloth, making sure not to scratch the surface.
- Not intended to be sterilized. It is recommended for disinfection that all the exposed plastic sections of the headlight, power pack and accessories be wiped with Lysol IC or Clorox VersaSure surface disinfectant/cleaner or an equivalent plastic-safe

cleaner. *Note: Do not use alcohol, phenol, ammonia, or iodine complex solutions*

- Wipe the sections rather than spraying onto plastic parts. *Note: Do not let liquids enter openings or ports. Do not immerse parts in solutions. Using solutions other than recommended may void warranty. Allowing liquids to enter openings or ports may void warranty.*
- Wipe cables with plastic-safe cleaners, if necessary. Do not allow cleaners to get onto the cable connectors as it may cause the electrical terminals to corrode
- Internal batteries must be replaced every 24 months to ensure proper operation

## DESCRIPTION OF SYMBOLS

	<i>ATTENTION / CAUTION</i>
	<i>CAUTION: HOT SURFACE</i>
	<i>INDICATES CONFORMITY WITH MDR EU 2017/745</i>
	<i>INDICATES WHERE THE UNIT CAN BE TURNED ON AND OFF</i>
	<i>INDICATES BATTERY STATE OF CHARGE</i>
	<i>INDICATES WHERE THE UNIT CAN BE CHARGED</i>
	<i>READ ACCOMPANYING DOCUMENTS</i>
	<i>WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE SYMBOL</i>

## REPLACEMENT PARTS

DESCRIPTION	PART NUMBER
UltraMini™ HDi™	4902-3000-0001
UltraMini™ PS	4902-3000-0000
USB DayLite®	4702-0019-0002
DayLite® HDi™	4702-3000-0001
USB TwinBeam® (w/DV Headset)	4709-3000-0000
USB TwinBeam® (w/ CXL Headset)	4709-3005-0000
TwinBeam® HDi™	4709-3000-0001
DV Headset w/ T-mount	4709-3000-0005
CXL Headset w/ T-mount	4709-3005-0005
Battery	4912-0000-1018
Li-Ion Battery Charger	4912-0000-2019
United States Plug & Cord Set	4706-0000-0038
European Plug & Cord Set	4706-0000-0030
Australian Plug & Cord Set	4706-0000-0032
South African Plug & Cord Set	4706-0000-0039
Indian Plug & Cord Set	4706-0000-0033
English Fused Plug & Cord Set	4706-0000-0034
Japanese Plug & Cord Set	4706-0000-0037

## ELECTROMAGNETIC INFORMATION

This equipment is designed to comply with IEC 60601-1-2. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to other devices in the vicinity. However, there is no guarantee that interference will not occur in a particular

installation. Harmful interference to other devices can be determined by turning this equipment ON and OFF. Try to correct the interference using one or more of the following:

- Reorient or relocate the receiving device
- Increase the separation between the equipment
- Consult Designs for Vision, Inc. for help

**Table 201 – Guidance and Manufacturer’s Declaration – Emissions**  
*All Equipment and Systems*

<b>Guidance and Manufacturer’s Declaration – Emissions</b>
The LED DayLite <sup>®</sup> HDi™ is intended for use in the electromagnetic environment specified below. The customer or user of the LED DayLite HDi™ should insure that it is used in such an environment.

<b>Emissions Test</b>	<b>Compliance</b>	<b>Electromagnetic Environment-Guidance</b>
RF Emissions CISPR 11	Group 1, Class A	The LED DayLite <sup>®</sup> HDi™ uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
Harmonics IEC 61000-3-2	Class A	The LED DayLite <sup>®</sup> HDi™ is suitable for use in all establishments (not including

Flicker IEC 61000-3-3	Complies	domestic) and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
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**Table 202 – Guidance and Manufacturer’s Declaration – Immunity**  
**All Equipment and Systems**

<b>Guidance and Manufacturer’s Declaration – Immunity</b>
The LED DayLite® HDi™ is intended for use in the electromagnetic environment specified below. The customer or user of the LED DayLite® HDi™ should ensure that it is used in such an environment.

<b>Immunity Test</b>	<b>IEC 60601 Test Level</b>	<b>Compliance Level</b>	<b>Electromagnetic Environment – Guidance</b>
ESD IEC 61000-4-2	±8kV Contact  ±2kV, ±4kV, ±8kV, ±15kV Air	±8kV Contact  ±15kV Air	Floor should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30%.
EFT IEC 61000-4-4	±2kV 100kHz Repetition frequency	±2kV 100kHz Repetition frequency	Mains power quality should be that of a typical commercial or hospital environment.

Surge IEC 61000-4-5	±0.5kV, ±1kV Line-to-line  ±0.5kV, ±1kV, ±2kV Line-to-ground	±1kV Line-to-line  ±2kV Line-to-ground  With client modifications	Mains power quality should be that of a typical commercial or hospital environment.
Voltage Dips/ Dropout IEC 61000-4-11	0% $U_T$ : for 0.5 Cycle  At 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315°  0% $U_T$ : for 1 Cycle and  70% $U_T$ : for 25/30 Cycles  Single Phase: at 0°	0% $U_T$ : for 0.5 Cycle  At 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315°  0% $U_T$ : for 1 Cycle and  70% $U_T$ : for 25/30 Cycles  Single Phase: at 0°	Mains power quality should be that of a typical commercial or hospital environment.  If the user of the LED DayLite® HDi™ requires continued operation during power mains interruptions, it is recommended that the LED DayLite® HDi™ be powered from an uninterruptible power supply or battery.
Power Frequency	30 A/m	30 A/m	Power frequency magnetic fields should be that of

50Hz or 60 Hz  Magnetic Field  IEC 61000-4-8			a typical commercial or hospital environment.
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**Table 204 – Guidance and Manufacturer’s Declaration – Emissions**  
*Equipment and Systems that are NOT Life-Supporting*

<b>Guidance and Manufacturer’s Declaration – Emissions</b>
The LED DayLite® HDi™ is intended for use in the electromagnetic environment specified below. The customer or user of the LED DayLite® HDi™ should ensure that it is used in such an environment.

<b>Immunity Test</b>	<b>IEC 60601 Test Level</b>	<b>Compliance Level</b>	<b>Electromagnetic Environment - Guidance</b>
Conducted Disturbances induced by RF Fields  IEC 61000-4-6	3 V  0.15 MHz-80 MHz  6 V in ISM bands between 0.15MHz and 80MHz  80% AM at 1 kHz	3 V  0.15 MHz to 80 MHz  6 V in ISM bands between 0.15MHz and 80MHz  80% AM at 1 kHz	Interference may occur in the vicinity of equipment containing a transmitter.

Radiated RF EM Fields IEC 61000-4-3	3 V/m  80MHz- 2.7GHz  80AM at 1KHz	3 V/m  80MHz- 2.7GHz  80AM at 1KHz	
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**Table 206 – Recommended Separation Distances between portable and mobile RF Communications equipment and the LED DayLite® HDi™ Equipment and Systems that are NOT Life-Supporting**

**Recommended Separations Distances for the LED DayLite® HDi™**

The LED DayLite® HDi™ is intended for use in the electromagnetic environment in which radiated disturbances are controlled. The customer or user of the LED DayLite® HDi™ can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF Communications Equipment and the LED DayLite® HDi™ as recommended below, according to the maximum output power of the communications equipment.

Test Frequency (MHz)	Band <sup>a)</sup> (MHz)	Service <sup>a)</sup>	Modulation <sup>b)</sup>	Max Power (W)	Distance (m)	Immunity Test Level (V/m)
385	380 - 390	TETRA 400	Pulse Modulation <sup>b)</sup> 18 Hz	1,8	0,3	27
450	430 - 470	GMRS 460, FRS 460	FM <sup>c)</sup> ±5 kHz deviation 1 kHz sine	2	0,3	28
710				0,2	0,3	9

745	704 - 787	LTE Band 13, 17	Pulse Modulation <sup>b)</sup> 217 Hz			
780						
810	800 - 960	GSM 800-900 TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse Modulation <sup>b)</sup> 18 Hz	2	0,3	28
870						
930						
1720	1700 - 1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse Modulation <sup>b)</sup> 217 Hz	2	0,3	28
1845						
1970						
2450	2400 - 2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse Modulation <sup>b)</sup> 217 Hz	2	0,3	28
5240	5100 - 5800	WLAN 802.11 a/n	Pulse Modulation <sup>b)</sup> 217 Hz	2	0,3	9
5500						
5785						

NOTE If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the LED DayLite® HDi™ may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.

<sup>a)</sup> For some services, only the uplink frequencies are included.

<sup>b)</sup> The carrier shall be modulated using a 50 % duty cycle square wave signal.

<sup>c)</sup> As an alternative to FM modulation, 50 % pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.

**WARNING:** Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

**WARNING:** Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

**WARNING:** Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the LED DayLite® HDi™, including cables specified by Designs for Vision, Inc. Otherwise, degradation of the performance of this equipment could result.

**NOTE:** The EMISSIONS characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.

**NOTE:** The LED DayLite® HDi™ may be adversely affected by EM DISTURBANCES possibly resulting in a loss of light output.

**NOTE:** The LED DayLite® HDi™ is intended to be used during HF SURGERY. Keep headlight cable securely attached to the body using supplied clips. Headlight cable should not come in contact with HF EQUIPMENT/CABLES. If interference occurs, increase separation distance between the LED DayLite® HDi™ and the HF EQUIPMENT.

## WARRANTY

The UltraMini® HDi™, UltraMini® PS, UltraMini® HDi™, USB DayLite®, DayLite® HDi™, TwinBeam® and TwinBeam® HDi™, headlights are warranted against imperfections and defects in materials and workmanship for four years. The power pack is warranted for two years. The internal batteries, charger, and cables are warranted for one year. Any damage caused by improper maintenance as described in the manual may not be covered by the warranty.



SEE WHAT'S RIGHT ABOUT  
MADE IN AMERICA®

TECHNICAL SUPPORT/CUSTOMER SERVICE

1.800.345.4009

Outside the US-Call Local Distributor



Manufactured by Designs for Vision, Inc  
4000 Veterans Memorial Hwy Bohemia, NY 11716  
United States  
Toll Free 800/345-4009 • Fax 631/585-3404 •  
Web Site: [www.DesignsForVision.com](http://www.DesignsForVision.com)  
E-mail: [info@dvimail.com](mailto:info@dvimail.com) •



Emergo Europe BV  
Prinsessegracht 20 2514 AP,  
The Hague NETHERLANDS  
[info@romed.be](mailto:info@romed.be)  
P/N: 0075-8511-0071 Rev B