REEL TECH
G m b H   E u r o p e

User Manual

MOVE IT
IT'S POSSIBLE

MODEL NO.

☐ CSI-12	☐ LSI-10
☐ CDI-15	☐ PDI-35
☐ HSI-18	☐ PDI-50
☐ HDI-25	☐ PFI-100
☐ SDI-20	☐ PFI-200
☐ PSI-20	☐ PFI-300
PSI-30	

**The technical data is the
same for all models.**

REEL TECH GmbH Europe
Trillergasse 4, Top E721B, 1210 Vienna, Austria
Tel: +43 (0) 1 960 80 88, Fax: DW 80
Email: office@reeltech.eu, Web: www.reeltech.eu

Thank you for purchasing this product.
Please read this manual carefully before installing or handling the product.
Please keep this manual, as it contains your proof of purchase and guarantee.

Features

Effective circular electrical contacts
Large contact surface area ensures
efficient power transfer.

Safe arch free system
The power to the luminaire is
automatically isolated before lowering
and is restored when fully raised.
This safety feature prevents arching
and prolongs the life of the contacts.

Protection category: IP54
All the Reel Tech lift products are rated
IP54, except the SDI/LSI series.

Maintenance free appliance.
Reel Tech lifts are maintenance free, there are
no user serviceable parts.
Reel Tech recommends a visual inspection of the
suspension cables during operation to ensure that
they are not damaged, twisted or kinked.
The electrical installation must be carried out by
qualified personnel and in accordance with local
regulations.
The lift must be fixed with suitable fixings (not
supplied) to a mechanically safe and sound
surface capable of withstanding the combined
load of the luminaire and the lift. If in doubt consult
a professional structural engineer.

Automatic stop safety cut-out
The lowering distance can be pre-set or adjusted
manually during lowering using the remote control
unit. This enables the user to set a safe
maintenance height and allows for flexible
operation.

REEL TECH
GmbH   Europe

Tips, maintenance and advice

1. The lift must not be used to carry people and must be installed at least 2.7m high.

2. The operator must always work in accordance with the instruction manual.

3. The person in charge must provide the necessary training of the service staff.

4. The lift will not operate without mains power. Manual operation is not possible.

5. Excessive inching (for example: switching the motor on and off rapidly) must be avoided.

6. Do not exceed the lifting capacity of the lift.

7. Do not attempt to lift fixed or jammed loads.

8. Do not lower or lift loads diagonally.

9. Replace the suspension cable after 100 operations. (except LSI series.)

10. Always maintain visual contact with the lift and the luminaire during operation.
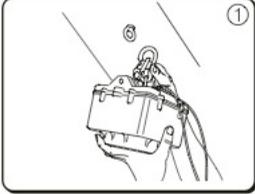
Product overview

Type	Model	Dimension(WxDxH)*	Lifting weight	- distance	- speed
Compact	CSI-12	140x140x140 mm	4 - 12 kg	15 m	2 m/min
Compact	CDI-15	140x140x140 mm	7 - 15 kg	10 m	1,5 m/min
Hook-Up	HSI-18	174x174x187 mm	7 - 18 kg	10 m	4,4 m/min
Hook-Up	HDI-25	174x174x187 mm	10 - 25 kg	10 m	2,2 m/min
Slim	SDI-20	244x216x 84 mm	10 - 18 kg	8 m	1,8 m/min
Long	PSI-30	209x209x187 mm	12 - 30 kg	15 m	5 m/min
Heavy Duty	PDI-35	209x209x187 mm	15 - 35 kg	10 m	2,7 m/min
Heavy Duty	PDI-50	209x209x187 mm	15 - 50 kg	10 m	3,5 m/min
Super Heavy	PFI-100	388x388x388 mm	25 - 100 kg	20 m	5 m/min
Super Heavy	PFI-200	388x388x388 mm	50 - 200 kg	20 m	5 m/min
Super Heavy	PFI-300	388x388x388 mm	100- 300 kg	20 m	5 m/min
Special Lifter	FSI-2	123x123x102 mm without smoke detector	2 kg	15 m	2 m/min
Power Zoom	LSI-10/1	300x300x550 mm	3- 10 kg	2 m	3,6 m/min

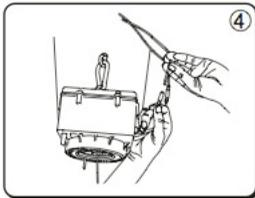Note: * Dimension without the "eye bolt"
Reel Tech reserves the right to change or modify these specifications without notice.
The specified weights and dimensions are only approximate values and may vary.

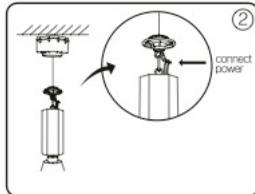# Installation for authorised company only

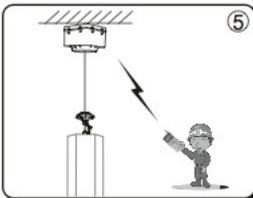Attach lift to an eye (not supplied) with the shackle.

Using the supplied shackle, secure luminaire to the lift and connect to the electrical supply.

Depending on local regulations a secondary safety fixing point may be required

Connect the lift to the power supply. As shown on page 7.

RCU: Power on. Enter lift number (for example,1), and press the DOWN button to descend.

The lift must be fixed with suitable fixings (not supplied) to a mechanically safe and sound surface capable of withstanding the combined load of the luminaire and the lift. If in doubt consult a professional structural engineer.

Control switch

Only use a spring return retractive switch (dead-man's switch!)

⚠ When operating with a switch the operator must always maintain visual contact with the lift and the luminaire during operation.

⚠ **Electrical signal: black to red = RAISE, black to white = LOWER**

The remote control unit (RCU) must be switched off before and after operation in order to prevent accidental use. When using the RCU, eye contact with the appliance must be maintained.

⚠ **The lift must have a load of at least 40% of its lifting capacity attached before lowering or raising.**

⚠ **Setting and saving the lowering length**
with the remote control:
In the desired position,
press and hold the stop button
**until you hear a confirmation signal.**

REEL TECH
GmbH Europe

1. Isolate from the mains before connecting the lift to the power supply. We recommend the use of a multimeter.
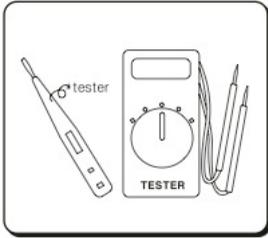
2. The installation must comply with local regulations and guidelines. The manufacturer's instructions must be observed.
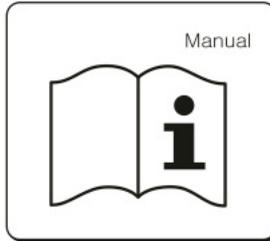
3. Reel Tech lifts must only be used for the purpose intended. For example:
Lighting fixtures & banners
If in doubt check with your agent or the manufacturer.
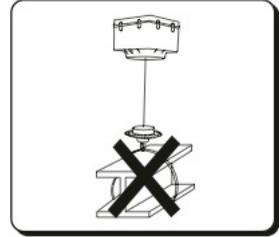
4. The remote control unit must remain switched off before and after use to prevent accidental operation. Both the remote control unit and the light fixture should not be exposed to excessive humidity, vibration, dust or corrosive gases.
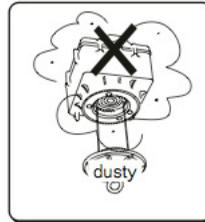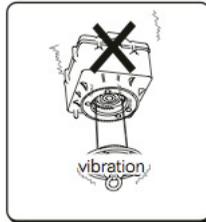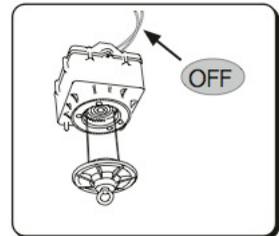
5. Do not modifying or tamper with the lifts in any way. It is dangerous and would cause a malfunction. The guarantee would be null and void.
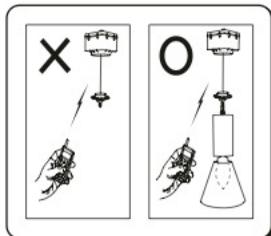
6. During installation and operation ensure there is an unobstructed area within a **3m** radius below the lift.
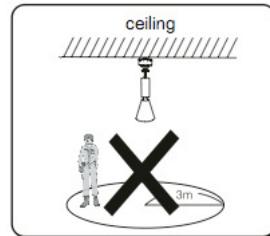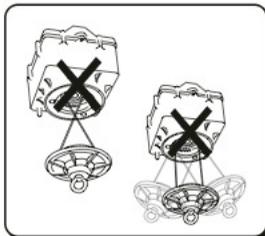
7. Power supply must be disconnected during installation. Only install with the power off.
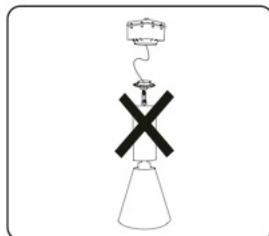
8. Do not operate the lift without weight on the coupler. This should be at least 40% of the lifts lifting capacity.

9. Before operating ensure the suspension cable is not twisted or tangled.

10. Do not operate the lift if the cables are loose or caught up.

11. Ensure that hands or objects do not get caught between the upper and lower contacts as this can lead to injury and / or malfunction.
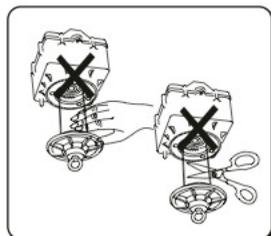
12. Operating temperature

– 15 ℃ to + 60 ℃.
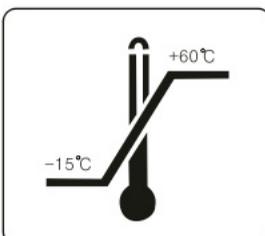
13. Avoid excessive swinging or downward impact of the lowering section.
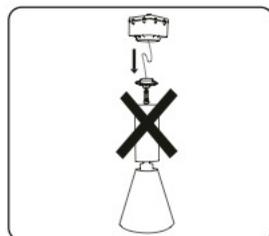
14. Only use the correct power source as indicated on the label. Or the system will fail.
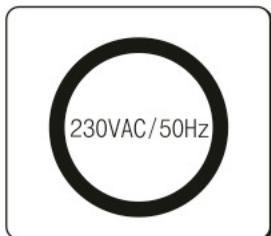
15. Do not operate the appliance for longer than 10 minutes at a time. If the appliance overheats, wait until it has cooled down sufficiently before operating again. (~ 1 hour)
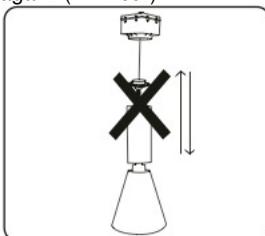
16. Ensure that the appliance is earthed.

REEL TECH
GmbH Europe
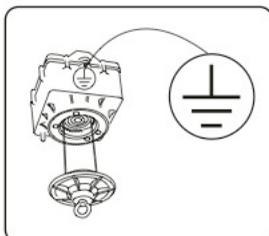
Products

Electrical cables for mains power supply (blue/brown)
Earth (earth conductor green/yellow)

Optional signal control wire
for switched operation.
**Black to red = Raise, black to
white = Lower**

Main power cable feed
for lift and lighting circuit

Transmitter/antenna for RCU

Upper cover

Housing

Upper circular
electrical contact

Locking device operated by
electric motor

Lower circular
electrical contact

Stainless steel suspension cable

Lower standard cover

Cable gland

Suspension ring
for the fixture

Power cable for
light fixture
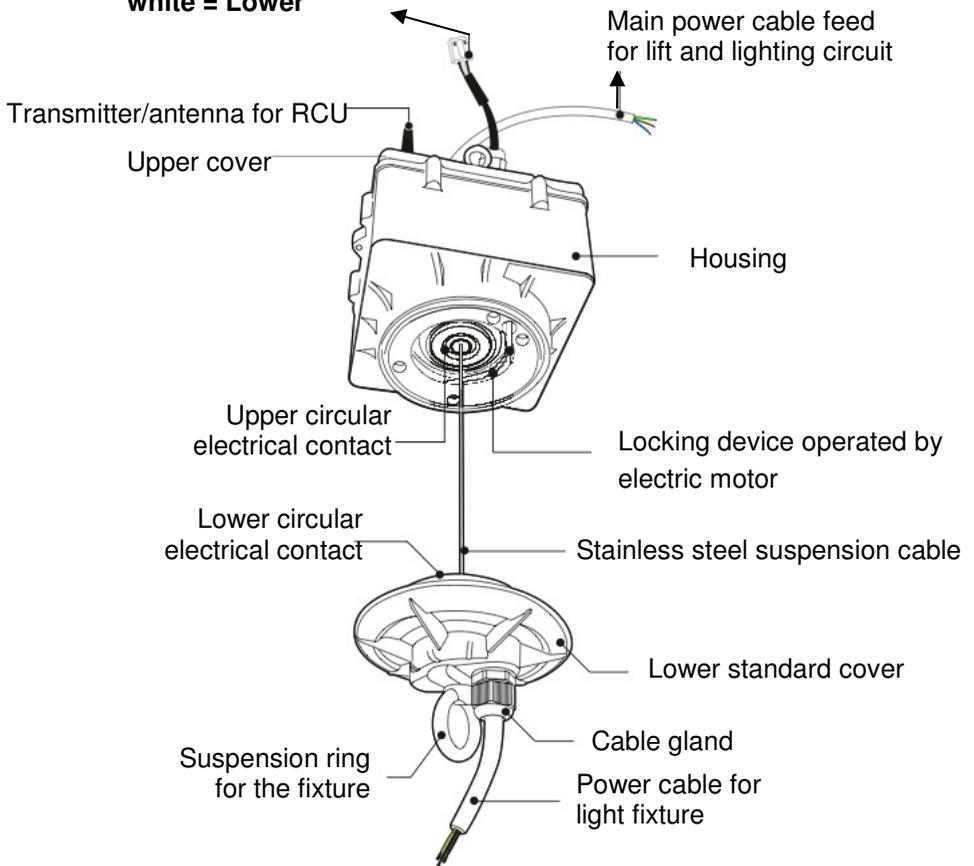
Main power cable feed for lift and lighting circuit

Optional signal control wire
for switched operation.
For lowering and raising only.
**black to red = Raise,
black to white = Lower**

y/g

br

bl
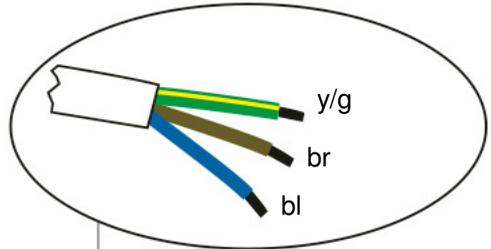
Supply from the mains
or the lighting circuit.
230 V, 50 Hz
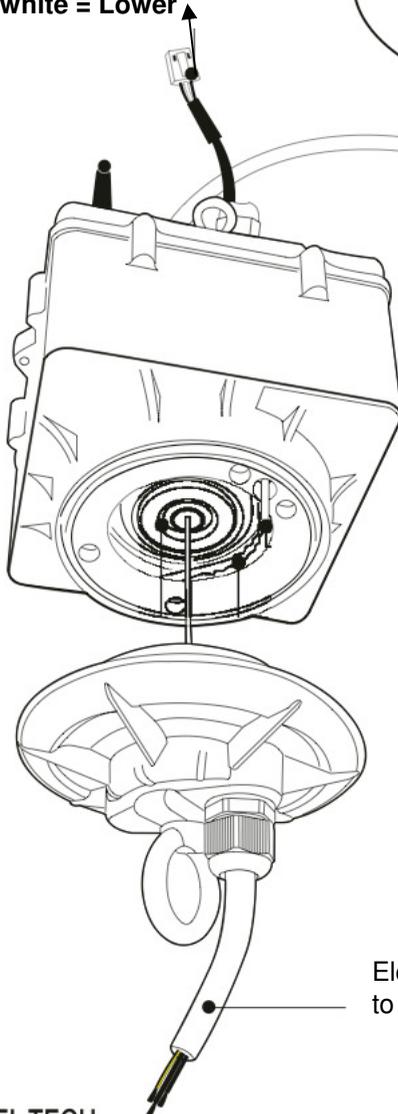
Electrical power cable
to the luminaire, **230 V, 50 Hz**

REEL TECH
G m b H   E u r o p e

Synchro Lifts (batten or banner type)

1. Maintain visual contact with the load during the operation.
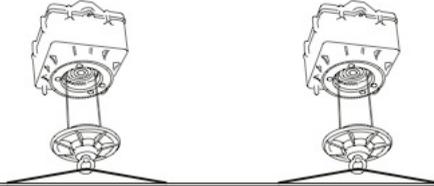
> **The total load must be equal to the nominal load of one lifter! For example:**
>
> **The total load for the S-HDI-25 is maximum 25 kg.**
> **The total banner weight is also maximum 25kg.**

2. Make sure that the two serial numbers (Main and Sub) are identical.

MAIN

UNIT	Remote Lifting Lighter
MODEL	PDI-30 (main)
RATED SFEQ.	AC 280 V~/50Hz/2A
RATED CURRENT (LIGHT)	16 A
LIFTING WEIGHT	35 kg
LIFTING DISTANCE	10 M
SERIAL NO.	700129
THE DATE OF MANUFACTORE	2008.00.00

SUB

UNIT	Remote Lifting Lighter
MODEL	PDI-30 (sub)
RATED SFEQ.	AC 280 V~/50Hz/2A
RATED CURRENT (LIGHT)	16A
LIFT WEIGHT	35 kg
LIFTING DISTANCE	10 M
SERIAL NO.	700129
THE DATE OF MANUFACTORE	2008.00.00

3. If the lifters are not synchronized (when lowering or raising) **press the STOP button**. The lifts will automatically reset (can take 20 seconds) and balance themselves when started again.

12 – 300 kg

STOP
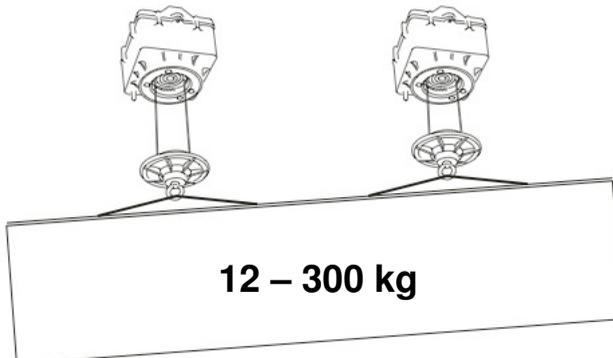
Wireless Remote Control (RCU)
Operating frequency: 433,92 MHz

Functions

REEL TECH CO ,LTD
www reeltech co kr

Icon	Label	Description
	POWER	On/off power button for the remote control unit
(1)	LIGHT ON	Light on switch
(2)	CLEAR	Delete value
(3)	LIGHT OFF	Light off switch
(4)	UP	Lift up
(5)	DOWN	Lift down
(6)	5 SET	Set number code for the unit for the light fixture
(7)	7 GROUP	Group button for 4 group functions
(8)	MODE	The mode button is used together with the following buttons: 5 SET, 6 HOUR, 7 GROUP
(9)	POWER	On/off button (power) for the remote control unit

REEL TECH
G m b H   E u r o p e
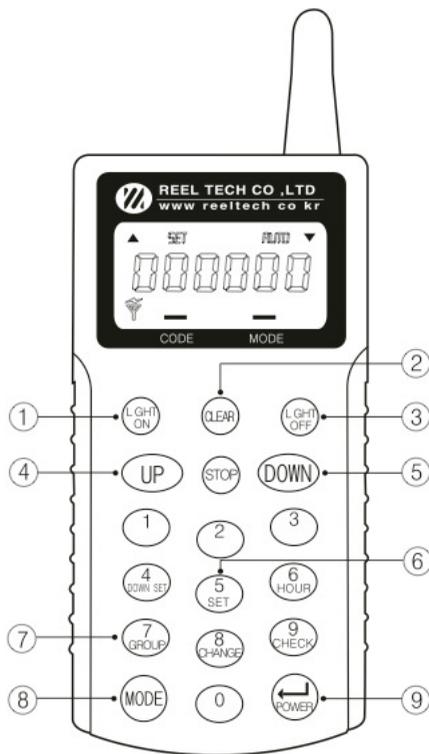
Programming the wireless remote control unit (RCU)

1.	Press POWER button	
2.	The display briefly flashes and displays the serial number of the remote control.	*
3.	Press MODE button	[Display = underscore]
4.	Press and hold 5 until P_ is displayed, then enter the password: 9999 quickly, a confirmation signal will follow	[Display = P_]
5.	Enter the 6 digit serial number of the lift stated on the ID label on the side of the lift.	*
6.	Press POWER button	[Display = A1- 0]
7.	Enter lowest lift number	[Display = A1-1]
8.	Press POWER button	[Display = A2-1]
9.	Enter highest lift number	
10.	Press POWER button	[Display = 0]
11.	Short circuit the male connector by twisting together the 3 bared ends of the signal wires (black, red & white) and plug into the female connector	
12.	Press UP	
13.	Unplug the short circuited male connector	
14.	Ready to operate Enter lift number (eg. 1) Remark: The lift must have a load of at least 40% of its lifting capacity attached before lowering or raising.	

* Please be sure to register the serial number of the device and the remote control!

Wireless remote control functions (RCU)

LIGHT ON	Light on/off	This button is used to switch the light on. When pressed again, the light switches off. Individual mode: before switching on or off, first enter the lift code number and press the 'LIGHT ON' button to switch the light on. (There can be 1000 units between 0 and 999).Group mode: select the group number from 1 to 4, then press 'LIGHT ON' to switch the light on (each group can have up to 1000 units).
LIGHT OFF		This button is used to switch off the individual or group lighting modes.
MODE 7 GROUP	Group mode	These buttons are used to enter the group mode. First press the 'MODE'' button, until a 'beep' sounds. Then press '7' until you hear a 'beep' when Group 1 appears on the display. Repeat the procedure to exit group mode (each group can have up to 1000 units).
UP	Light up	This button is used to lift the light. This function can be used in individual or in Group mode. **(Tip: Do not press this button twice during lowering or raising because it will delete the lowering height / distance setting).**
DOWN	Light down	This button is used to lower the light. This function can be used in individual or in Group mode. **(Tip: Do not press this button twice during lowering or raising because it will delete the lowering height / distance setting).**
MODE 5 SET POWER	Set the lift code	Press the 'MODE', '5' button to register the serial number (set) and then press 'POWER' (enter), to register the appliance code in the next step (set). (The A1-0 display ID the setting mode for the appliance code for registering) (The A2-0 is for registering the total number of units and is saved automatically). **(Tip: Up to 1,000,000 serial numbers can be registered, individually or as a group).**
MODE 8 CHANGE	Change the series or unit mode	These buttons are for selecting serial number modes. If pressed again, the mode is changed to appliance code. The user can check the unit with the serial number or the appliance code. **(Tip: we urgently recommend the user use the appliance code mode to control the units. Warning: the appliance code numbers are pre-set by the manufacturer and we strongly recommend you do not change the serial number or appliance code).**
MODE 9 CHECK	Set the appliance	These buttons are used to check the serial number of the unit. First select the unit that the user would like to check and then enter the appliance code. Then press 'MODE' and '9' to check the serial number of the unit.
STOP	Set the lowering distance	This button is used to set the lowering length of the cord. First lower the light to a height where you can easily clean and maintain it from floor level. To set the length, press the 'STOP' button (a 'beep' sounds). A new 'beep' sounds to confirm the setting. **(Tip: Press 'STOP' for 5 seconds).**

REEL TECH
GmbH Europe

If in any doubt or for further advice contact your local distributor or agent.

United Kingdom

REEL TECH UK Limited

22 Ibstock Close, Billing Lane
Northampton, NN3 5DL

David Willson
Sales Director – Lighting Lifts

Tel: +44 (0) 1604 643522
Mob: +44 (0) 7540 449842
Email: enquiries@reeltechuk.com
Web: www.reeltech.eu

Switzerland

Demelectric AG

Steinhaldenstrasse 26
CH-8954 Geroldswil

Edoardo De Monaco
Manager Sales & Marketing

Tel: +41 (43) 455 44 00
Fax: +41 (43) 455 44 11
Direkt: +41 (43) 455 44 35
Email: e.demonaco@demelectric.ch
Web: www.demelectric.ch

Niederlande

Industrielicht BV

Van Hennaertweg 7
NL-2952 CA Alblasserdam

Tel: +31(0)78-6920900
Fax: +31(0)78-6920905
E-Mail: info@industrielicht.nl

Poland

MK Iluminacje Polska Sp. z o.o.

ul. R. Traugutta 25
PL 43-300 Bielsko-Biala, Polska

Agata Kowalsczyk
Manager

Tel/Fax.: +48 33 821 93 63
Email: a.kowalczyk@mk-iluminacje.pl
www.mk-iluminacje.pl

Germany

ReelTech Vertriebs GmbH

Rangenbergstr. 33
D 60388 Frankfurt/Main

Wolfgang Vinson
Managing Director

Tel: +49 (0) 6109 5016151
Fax: +49 (0) 6109 5016150
Email: office@reeltech.de
Web: www.reeltech.eu

Hungary

MK HUNGARIA Kft.

9423 Ágfalva, Baracsi út 77.

Gálos Mihály
Manager

Tel: 00 36 99/ 524 007
Fax: 00 36 99/ 524 248
Mob: 00 36 20/ 46 811 43
m.galos@mk-illumination.hu
Web: www.mk-illumination.com

Denmark, Norway, Sweden, Finland, Baltic States

Ellux Scandinavia AS
Sjogt 15 PO BOX 1008
n-1510 Moss, Norway
Terje Sem
Manager
Te:004741362612
post@ellux.no
www.ellux.no

Czech Rep., Slovakia

Mk Illumination Production, s.r.o.

Solivarská 1/A
080 01 Prešov, Slovakia

Tel: +421-51-7763125
Fax: +421-51-7763128
Mob: +421-917-505717
Email: m.balog@mk-illumination.sk
Web: www.mk-illumination.sk

All ReelTech products have a 2 year warranty.

$C\epsilon$ - Declaration of conformity

Manufacturer	**ReelTech CO., LTD** 1402-26, Shindaeri, Haeryong, Suncheon, Jeonnam, Korea
Distributed by	**ReelTech GmbH Europe** Trillergasse 4, Top E/21B 1210 Vienna, Austria

Machinery directive	2006/42/EG
EC-low voltage directive	06/95/EG
EMC directive	04/108/EG
Applied EC-standards:	EN 14492-1: 2006
	EN 60335-1+A1+A11: 2005
	EN 6100-6-2: 2006
	EN 6100-1,3,4: 2007