Ref. No.: 150.527

MHL-715WISPOT 7X 15W QUAD DMX 2.4GHZ

MANUAL

Thank you for purchasing our company products.
Please read these instructions carefully to enjoy optimum performance and a longer service life before you start to use.
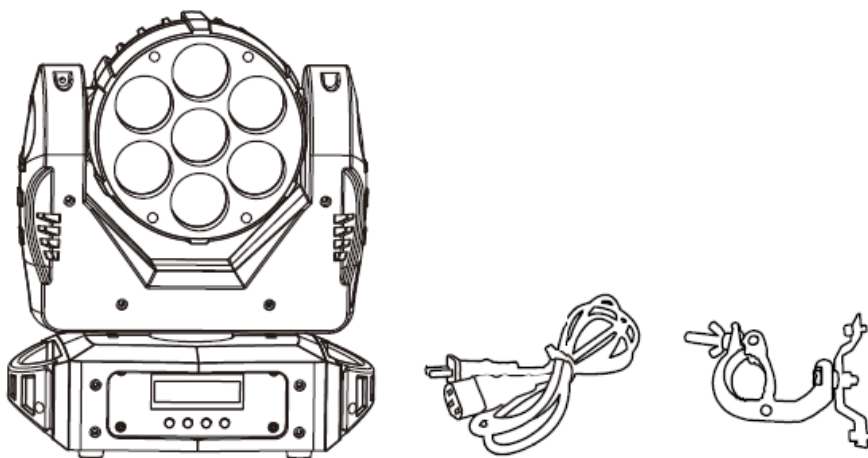
CONTENTS

UNPACKING INSPECTIONS

Unpacking instructions
- Please unpack the carton and check the goods carefully when you receive it , if discover packing damage, shortage or quality problem, please notify the shipper and reject the goods.
- Before using this product, please read the instructions carefully and keep it in a safe place for future reference.

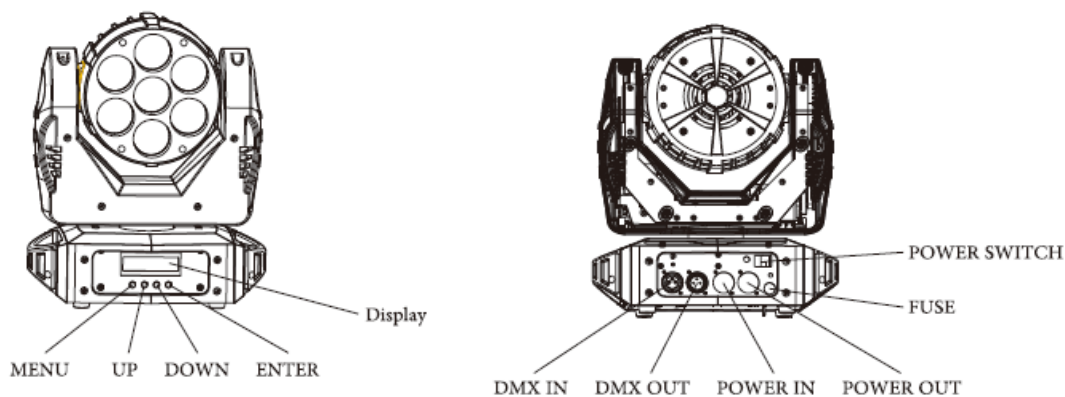### Checking the contents of the carton:
The product, Power cord, Instruction Manual, Mounting Bracket

Safety Instructions

- Safety and regulatory power socket with high quality output should be used .
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Never put tiny metal objects such as a screwdriver, iron wire and coins, etc. into the internal or stretch into the machine in case of short circuit .
- Please make sure to connect the proper voltage and do not higher or lower than that stated on the decal or rear panel of the product .
- Avoid hitting, crashing or squeezing with other objects in transportation. Never carry the product from the power cord or any moving part . Always use the hanging / mounting bracket or the handles.
- The product is used in door only .
- Never pull or tug on the cord and change it for another one , stop using it when it is damaged or becomes hot .
- Stop using the product once there is sparks when connecting with the power plug .
- Can not operate product with wet hands and never place it near the water or other liquid.
- Make sure there are no flammable materials close to the fixture while operating . Always install it in a location with adequate ventilation.
- Never replace the lighting source with different specification and rating when the original one is damaged.
- Make sure to power off before replacing the light source or the fuse. Never do it while it is on.
- The ambient temperature is no more than 40°C(104°F) .
- Never clean the fixture by water, thinner or other dissolved agent .
- Stop using the product in case of a serious operating problem and send it to our maintenance agent immediately. Never repair by non-professional workers .
- Avoid direct eye exposure to the light source while the product is on.
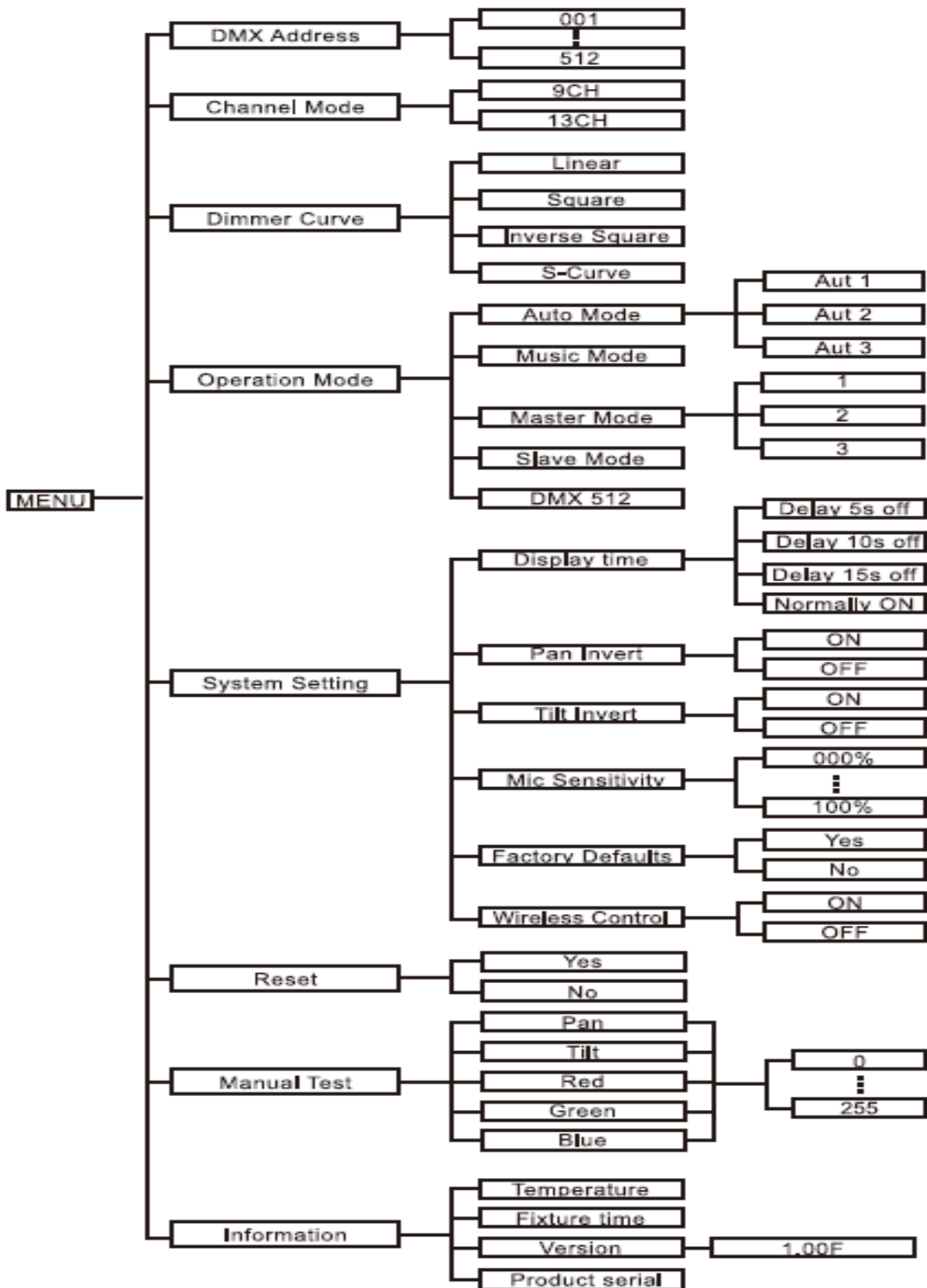
PRODUCT OVERVIEW

FUNCTIONS INTRODUCTIONS

Main Functions

- 9 or 13 DMX channels .
- Sound active, (wireless) DMX, master/slave mode .
- 7x 15W high quality QUAD LEDs.
- With static colors, strobe, dimmer, color mixing and changing effects.
- Pan/Tilt inversion
- Electronic dimming 0 – 100%

System menu

```
MENU ─┬─ DMX Address ───┬─ 001
      │                 ┊
      │                 └─ 512
      │
      ├─ Channel Mode ──┬─ 9CH
      │                 └─ 13CH
      │
      ├─ Dimmer Curve ──┬─ Linear
      │                 ├─ Square
      │                 ├─ Inverse Square
      │                 └─ S-Curve
      │
      ├─ Operation Mode ─┬─ Auto Mode ──┬─ Aut 1
      │                  │              ├─ Aut 2
      │                  │              └─ Aut 3
      │                  ├─ Music Mode
      │                  ├─ Master Mode ─┬─ 1
      │                  │               ├─ 2
      │                  │               └─ 3
      │                  ├─ Slave Mode
      │                  └─ DMX 512
      │
      ├─ System Setting ─┬─ Display time ──┬─ Delay 5s off
      │                  │                 ├─ Delay 10s off
      │                  │                 ├─ Delay 15s off
      │                  │                 └─ Normally ON
      │                  ├─ Pan Invert ────┬─ ON
      │                  │                 └─ OFF
      │                  ├─ Tilt Invert ───┬─ ON
      │                  │                 └─ OFF
      │                  ├─ Mic Sensitivity ─┬─ 000%
      │                  │                   ┊
      │                  │                   └─ 100%
      │                  ├─ Factory Defaults ─┬─ Yes
      │                  │                    └─ No
      │                  └─ Wireless Control ─┬─ ON
      │                                       └─ OFF
      │
      ├─ Reset ──────────┬─ Yes
      │                  └─ No
      │
      ├─ Manual Test ────┬─ Pan
      │                  ├─ Tilt ──┬─ 0
      │                  ├─ Red    ┊
      │                  ├─ Green  └─ 255
      │                  └─ Blue
      │
      └─ Information ────┬─ Temperature
                         ├─ Fixture time
                         ├─ Version ──── 1.00F
                         └─ Product serial
```

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DMX Address – Set the DMX address
Press the UP or DOWN button until "DMX address" is displayed, press ENTER.
"X" will now be displayed, ("X" represents the displayed address). Press the UP or DOWN button to find the desired address. Press ENTER to confirm

Channel mode – Select the desired channel mode
Press the UP or DOWN button until "Channel mode" is displayed, press enter.
"X Ch" will now be displayed, ("X" represents the displayed channel mode). Press the UP or DOWN button to find the desired channel mode. Press ENTER to confirm.

Dimmer curve – Select the desired dimmer curve
Press the UP or DOWN button until "Dimmer Curve" is displayed, press ENTER.
"Mode X" will now be displayed, ("X" represents the displayed dimmer mode).
The modes are:
Dimmer mode 1 (linear): Steady, even increase in dimming
Dimmer mode 2 (Square law): Provides finer dimmer control near full intensity
Dimmer mode 3 (Inverse square law): Provides finer dimming control at lower intensities.
Dimmer mode 4 (S-Curve): Similar to Linear dimming with finer dimming control at mid level intensities.

Press the UP or DOWN button to find the desired dimmer mode. Press ENTER to confirm.

Operation Mode

Auto mode – This function will run the pre-programmed program
Enter "Operation mode"
Press the UP or DOWN button until "Auto mode" is displayed, press ENTER.
There are 3 auto modes, press the UP or DOWN button to select the desired mode, press ENTER to confirm.

Music mode – In this mode you can select your desired sound active mode
Enter "Operation mode"
Press the UP or DOWN button until "Music mode" is displayed, press ENTER.

Master mode – In this mode you can select your desired master mode
Enter "Operation mode"
Press the UP or DOWN button until "Master mode" is displayed, press ENTER.
Press the UP or DOWN button to select the desired master mode, press ENTER.

Slave mode – In this mode the unit functions as a slave
Enter "Operation mode"
Press the UP or DOWN button until "Slave mode" is displayed, press ENTER.

DMX mode – In this mode the unit can be controlled by a DMX controller
Enter "Operation mode"
Press the UP or DOWN button until "DMX-512" is displayed, press ENTER.

System setting

Display time – With this function you can make the backlight automatically turn off after the time you desire.
Enter "System setting"
Press the UP or DOWN button until "Display Time" is displayed, press ENTER.
Press the UP or DOWN button to select the desired turn off time (5, 10 or 15sec), select "Normally on" to keep the backlight on at all times.
Press ENTER to confirm.

Pan invert – Pan inversion
Enter "System setting"
Press the UP or DOWN button until "Pan Invert" is displayed, press ENTER.
Press the UP or DOWN button until "Yes" is displayed, press ENTER to confirm.
To deactivate select "NO", press ENTER to confirm.

Tilt invert – Tilt inversion
Enter "System setting"
Press the UP or DOWN button until "Tilt Invert" is displayed, press ENTER.
Press the UP or DOWN button until "Yes" is displayed, press ENTER to confirm.
To deactivate select "NO", press ENTER to confirm.

Mic sensitivity – Adjust the sensitivity of the music mode
Enter "System setting"
Press the UP or DOWN button until "Mic sensitivity" is displayed, press ENTER.
Press the UP or DOWN button to adjust the sensitivity level. 0 = lowest, 100 = most sensitive.
Press ENTER to confirm.

Factory defaults – Restore factory defaults
Enter "System setting"
Press the UP or DOWN button until "Factory Defaults" is displayed, press ENTER.
Press the UP or DOWN button until "Yes" is displayed, press ENTER to confirm.
The unit will restore factory default settings.

Wireless control – Wireless DMX control switch
Enter "System setting"
Press the UP or DOWN button until "Wireless control" is displayed, press ENTER.
Press the UP or DOWN button until "Yes" is displayed, press ENTER to confirm.
The wireless control will be available.

Reset – Use this function to reset the unit

Press the UP or DOWN button until "Reset" is displayed, press ENTER.
The unit will reset now.

<u>Manual test</u> – Use this function to manually test the units individual features

Press the UP or DOWN button until "Manual test" is displayed, press ENTER.
Press the Up or DOWN button to find the function or colors you want to test.
Once you found the function press ENTER. Now you can adjust the values by pressing the UP or DOWN button.
To finish testing press ENTER.

Information

Temperature – With this function you can display the running temperature of the unit.
Enter "Information menu"

Press the UP or DOWN button until "Temperature" is displayed, press ENTER.
The current running temperature of the unit will be displayed.

Fixture time – With this function you can display the running time of the unit.
Enter "Information menu"

Press the UP or DOWN button until "Fixture time" is displayed, press ENTER.
The current running time of the unit will be displayed.

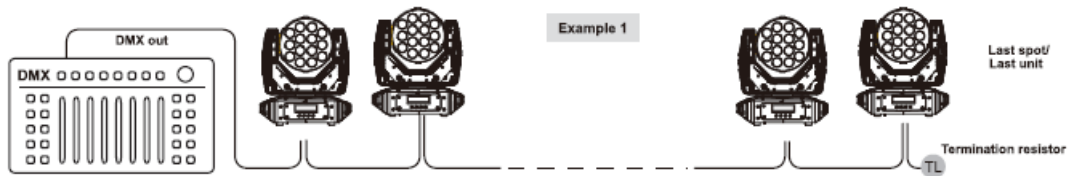**Version – Will display the software version of the unit.**
Enter "Information menu"

Press the UP or DOWN button until "Version" is displayed, press ENTER.
The software version of the unit will be displayed.

Product serial – Will display the product serial of the unit.
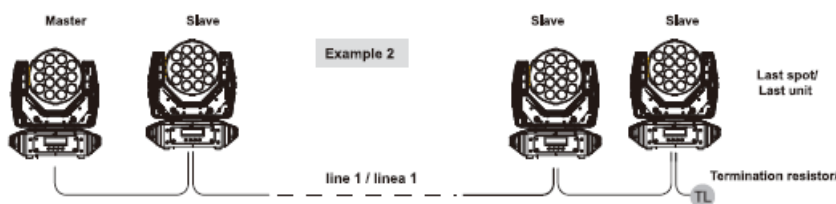Enter "Information menu"

Press the UP or DOWN button until "Product serial" is displayed, press ENTER.
The product serial of the unit will be displayed.

Operation Instructions

DMX connection.

Master / Slave connection.

DMX Channels:

13 Channel settings:

DMX 13 Channel		DMX			Description
1	Dimmer	0	—	255	0 — 100% Dimmer
2	Macro Color	0	—	0	Unused
		1	—	5	Macro Color 1
		6	—	10	Macro Color 2
		11	—	15	Macro Color 3
		16	—	20	Macro Color 4
		21	—	25	Macro Color 5
		26	—	30	Macro Color 6
		31	—	35	Macro Color 7
		36	—	40	Macro Color 8
		41	—	45	Macro Color 9
		46	—	50	Macro Color 10
		51	—	55	Macro Color 11
		56	—	60	Macro Color 12
		61	—	65	Macro Color 13
		66	—	70	Macro Color 14
		71	—	75	Macro Color 15
		76	—	80	Macro Color 16
		81	—	85	Macro Color 17
		86	—	90	Macro Color 18
		91	—	95	Macro Color 19
		96	—	100	Macro Color 20
		101	—	105	Macro Color 21
		106	—	110	Macro Color 22
		111	—	115	Macro Color 23
		116	—	120	Macro Color 24
		121	—	125	Macro Color 25
		126	—	130	Macro Color 26
		131	—	135	Macro Color 27
		136	—	140	Macro Color 28
		141	—	145	Macro Color 29
		146	—	150	Macro Color 30
		151	—	155	Macro Color 31
		156	—	160	Macro Color 32
		161	—	165	Macro Color 33
		166	—	170	Macro Color 34
		171	—	175	Macro Color 35
		176	—	180	Macro Color 36
		181	—	185	Macro Color 37
		186	—	190	Macro Color 38
		191	—	195	Macro Color 39
		196	—	200	Macro Color 40
		201	—	205	Macro Color 41
		206	—	210	Macro Color 42
		211	—	215	Macro Color 43
		216	—	220	Macro Color 44
		221	—	225	Macro Color 45
		226	—	230	Macro Color 46
		231	—	235	Macro Color 47
		236	—	240	Macro Color 48

		241	–	245	Macro Color 49
		246	–	250	Macro Color 50
		251	–	255	Macro Color 51
3	Red	0	–	255	Red Dimmer
4	Green	0	–	255	Green Dimmer
5	Blue	0	–	255	Blue Dimmer
6	Strobe	0	–	9	No Strobe
		10	–	255	Strobe From Slow To Fast (1Hz – 25Hz)
7	Dimmer Curve	0	–	50	Dimmer Curve from Menu Setup
		51	–	100	Dimmer Curve Line
		101	–	150	Dimmer Curve Square
		151	–	200	Dimmer Curve Inverse Square
		201	–	255	Dimmer Curve S-Curve
8	Pan	0	–	255	Pan Moving 0 – 540 Degree
9	Pan Fine	0	–	255	Pan Fine Moving
10	Tilt	0	–	255	Tilt Moving 0 – 180 Degree
11	Tilt Fine	0	–	255	Tilt Fine Moving
12	Move Speed	0	–	255	Moving Speed From Fast To Slow
13	Function Over 5 seconds on each value	0	–	24	Unused
		25	–	49	Internal Program 1
		50	–	74	Unused
		75	–	99	Internal Program 2
		100	–	124	Unused
		125	–	149	Internal Program 3
		150	–	174	Unused
		175	–	199	Music Program
		200	–	224	Unused
		225	–	255	Reset

9 Channel settings:

DMX 9 Channel		DMX			Description
1	Pan	0	–	255	Pan Moving 0 – 540 Degree
2	Tilt	0	–	255	Tilt Moving 0 – 180 Degree
3	Move Speed	0	–	255	Moving Speed From Fast To Slow
4	Dimmer	0	–	255	0 – 100% Dimmer
5	Red	0	–	255	Red Dimmer
6	Green	0	–	255	Green Dimmer
7	Blue	0	–	255	Blue Dimmer
8	Strobe	0	–	9	No Strobe
		10	–	255	Strobe From Slow To Fast (1Hz – 25Hz)
9	Function Over 5 seconds on each value	0	–	24	Unused
		25	–	49	Internal Program 1
		50	–	74	Unused
		75	–	99	Internal Program 2
		100	–	124	Unused
		125	–	149	Internal Program 3
		150	–	174	Unused
		175	–	199	Music Program
		200	–	224	Unused
		225	–	255	Reset

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MAINTENANCE

The unit should be cleaned periodically to ensure the optimum performance, the smudginess can decrease the life of light and the output of light is affected by the dust which can make the machine overheating. In general, make the maintenance at least two times a month. Be sure to power off the unit before cleaning .

Do not clean until the unit recovers normal temperature since high temperature for using, use the lens tissue or soft cotton cloth with alcohol to wipe gently.

Cleaning frequency depends on the environment in which the fixture operates, damp, smoky or dirty surrounding can cause greater accumulation of dirt on the optics. Never rub or press strongly on the panel.

Specification

Head movement:Pan	250°
Head movement:Tilt	540°
Beam angle	13°
Light intensity	20000 lux @ 2m
No. of LEDs	7x 15W Quad LEDs
DMX channels	9 or 13
Connector	3-pin XLR
Power Supply	100-240Vac / 50Hz
Dimensions	273 x 167 x 331mm
Weight	4.5kg

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CE Declaration of Conformity

Importer:	TRONIOS BV
	Bedrijvenpark Twente 415
	7602 KM - ALMELO
Tel :	0031546589299
Fax :	0031546589298
	The Netherlands

Product number:	**150.527**
Product Description:	**MHL-715WiSpot 7x 15W QUAD DMX 2.4Ghz**

Regulatory Requirement:	EN 60598-1/-2-17
	EN 55015
	EN 61547
	EN 61000-3-2/-3-3
	EN 300 440-1/-2

The product meets the requirements stated in the above mentioned Standards.

13-12-2012

Signature   :

Specifications and design are subject to change without prior notice..

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