



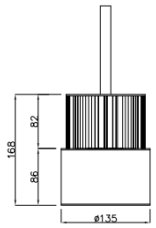
HALLED 85W LED

Downlight

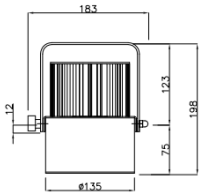
LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

TYPE

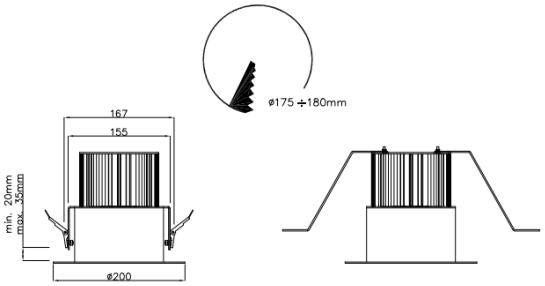
PENDANT
1,6 kg



YOKE
1,6 kg



RECESSED
1,6 kg



with forks

with wings

SOURCE

- 85W LED COB
- Source life expectancy: > 50.000 h

	Luminous flux	Colour rendering		
		CRI	TLCI	TM-30
WW	9'917 lm	>97	97	94
CW	10'549 lm			
NW	11'314 lm			

OPTICS

- Beam angle:



- 120mm High-quality pc aluminum coated optics
- Focus: fix

HOUSING

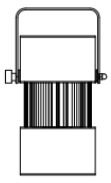
- Highly resistant body in extruded aluminum
- Finishing: Black
- IP 20

THERMAL MANAGEMENT

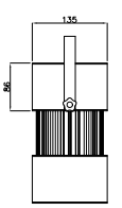
- No heat load from LED engine towards electronic and vice-versa avoiding the risk of failure due to overheating
- Ta max 40°C

POWER SUPPLY

BUILT-IN PSU
" ALL-IN-ONE "

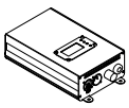


+ 0,8 kg

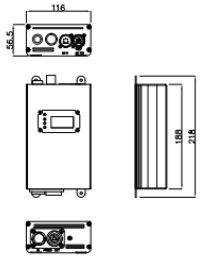


LOCAL
POTENTIOMETER

REMOTE PSU
1 X 85

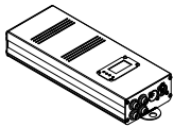


1 kg

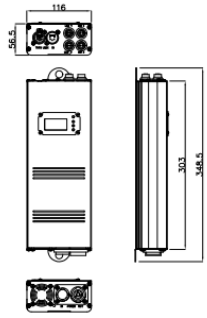


LOCAL
POTENTIOMETER

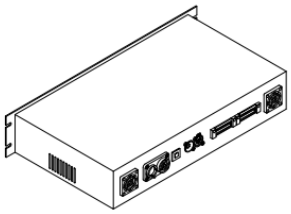
REMOTE PSU
4 X 85



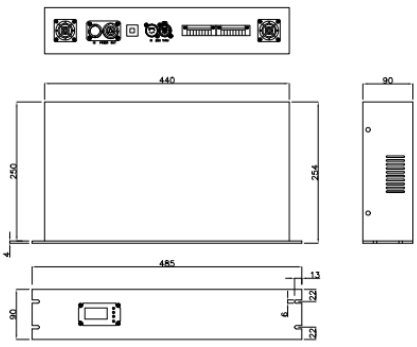
2 kg



REMOTE PSU
8 X 85



5 kg



LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

LIGHT OUTPUT

4 m	6 m	8 m	10 m	12 m

Model	Type	CT	CRI	Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	Lux	Ø Beam	(measure at)
HALLED 85	WW	3000K	97	29	1375	2,1	611	3,1	343	4,1	220	5,1	152	6,2	3000K
				46	865	3,4	384	5,1	216	6,7	138	8,4	96	10,1	
				72	480	5,8	213	8,6	120	11,5	76	14,4	53	17,3	
	NW	4000K	97	29	1463	2,1	650	3,1	365	4,1	234	5,1	162	6,2	4000K
				46	920	3,4	408	5,1	230	6,7	147	8,4	102	10,1	
				72	511	5,8	227	8,6	127	11,5	81	14,4	56	17,3	
	CW	5600K	97	29	1568	2,1	696	3,1	392	4,1	250	5,1	174	6,2	5600K
				46	986	3,4	438	5,1	246	6,7	157	8,4	109	10,1	
				72	547	5,8	243	8,6	136	11,5	87	14,4	60	17,3	

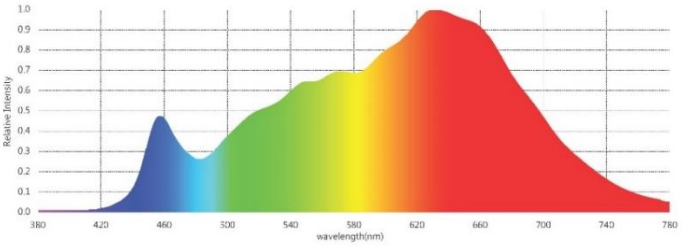
PHOTOMETRIC DATA

Conditions during measurements:

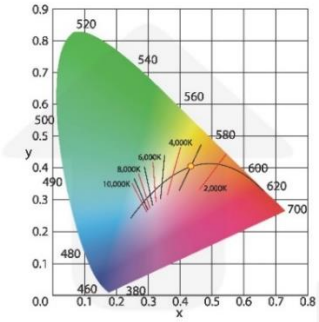
- LED: WW
- Test in hemi-anechoic room
- Temperature: 16°C
- Relative humidity: 61%
- Distance: 2m

Parameters	
CIE_x	0.4334
CIE_y	0.4058
CIE_u'	0.2475
CIE_v'	0.5215
CCT	3075 K
Duv	0.0012
CRI (Ra)(R1~R8)	98
CRI (Re) (R1-R15)	97
CQS	97
TLCI(Qa)	99
GAI	58
TM-30-18 Rf	94
TM-30-18 Rg	99
Illuminance	1,285 lux
Foot Candle	119.4 fc
PPFD (400-700nm)	22.01 μmol/m²s
λp	631 nm
λD	582 nm
Purity (Pe)	50 %
SP Ratio	1.5
Circadian Stimulus	0.60
Circadian Light	1,363
Flicker Percentage	1 %
Flicker Index	0.00
Flicker Frequency	136 Hz

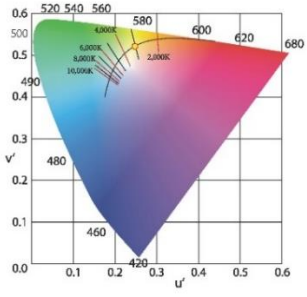
Spectrum



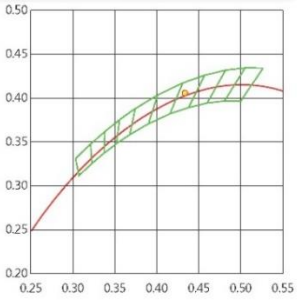
CIE 1931



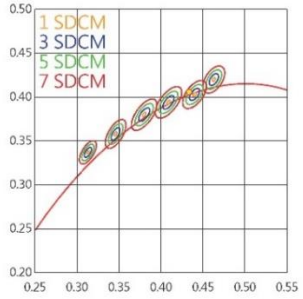
CIE 1976



C78.377 - 2017



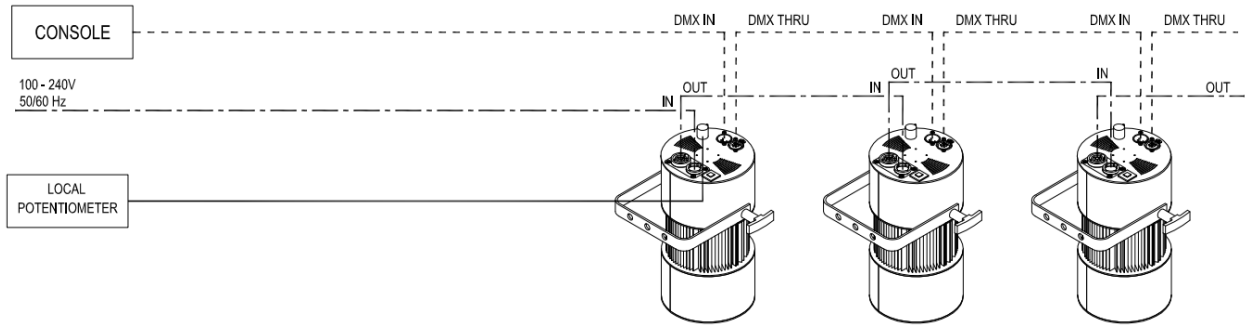
IEC-SDCM



LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

BUILT-IN PSU

(“all-in-one”)



SOFTWARE FUNCTION

- **ESD**: 8 or 16bit extra soft dimming
- Up to 6 **DIMMING CURVE**
- **LED DELAY**: from 0 to 2000ms
- PWM LED 500Hz-20KHz
- Storage and factory recovery
- Upgradable Firmware via DMX/USB tool

CONTROL

- Protocols: DMX512, RDM
- Local potentiometer
- DMX channels:

	White		
	1CH	2CH	3CH
	8 BIT	8 BIT	16 BIT
1 ch	DIMMER	DIMMER	DIMMER
2 ch		STROBO	DIMMER FINE
3 ch			STROBO

COMPLIANCE

- CE
- EN 60598-1; EN 60598-2-17
- SSL Licensing Program
- Manufactured in Italy with Quality System ISO 9001:2015

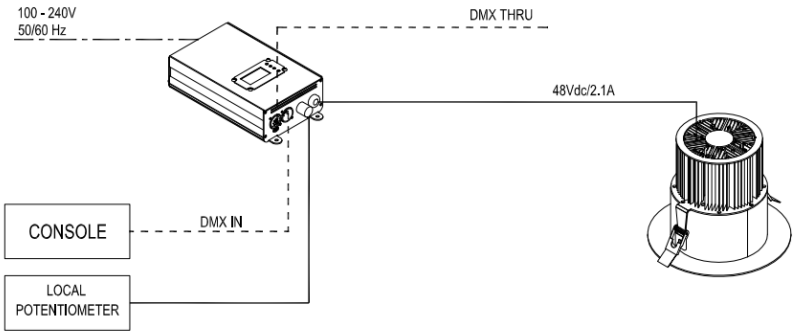
ELECTRICAL & CONNECTIONS

- Power supply: 100-240 V – 50/60 Hz
- Power consumption: 85W
- PF>0.94/230VAC PF>0.98/115VAC at full load

- **Power**: PowerCON In/Out panel connectors
- **DMX**: XLR 5-pole In/Out panel connectors

LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

REMOTE PSU 1x85



SOFTWARE FUNCTION

- **ESD**: 8bit or 16bit extra soft dimming
- Up to 6 **DIMMING CURVE**
- **LED DELAY**: from 0 to 2000ms
- **OUTPUT FREQUENCY** in order to remove flickering
- **DISPLAY ROTATION** and **DISPLAY ON/OFF**
- **BOARD TEMPERATURE** and **CHIP TEMPERATURE** in order to monitor how the fixture works
- Hour-counter on single LED
- Storage and factory recovery
- Upgradable firmware via DMX/USB tool
- **ERROR LIST** in order to display errors that can occur

CONTROL

- Protocols: DMX512, RDM
- Local potentiometer
- DMX channels:

	White		
	1CH	2CH	3CH
	8 BIT	8 BIT	16 BIT
1 ch	DIMMER	DIMMER	DIMMER
2 ch		STROBO	DIMMER FINE
3 ch			STROBO

COMPLIANCE

- CE
- EN 60598-1; EN 60598-2-17
- SSL Licensing Program
- Manufactured in Italy with Quality System ISO 9001:2015

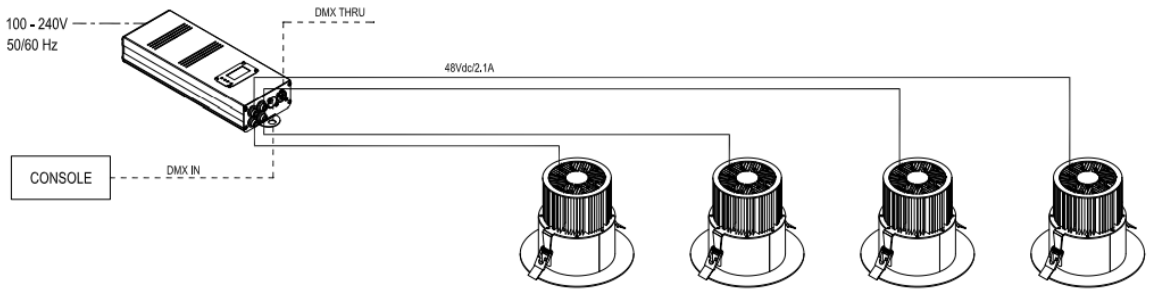
ELECTRICAL & CONNECTIONS

- Power supply: 100-240 V – 50/60 Hz
- Power consumption: 85W
- PF>0.94/230VAC PF>0.98/115VAC at full load

- **Power**: PowerCON In/Out panel connectors
- **DMX**: XLR 5-pole In/Out panel connectors
- 1x low-voltage **connector** for fixture

LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

REMOTE PSU 4x85



SOFTWARE FUNCTION

- **ESD**: 8bit or 16bit extra soft dimming
- Up to 6 **DIMMING CURVE**
- **LED DELAY**: from 0 to 2000ms
- **OUTPUT FREQUENCY** in order to remove flickering
- **DISPLAY ROTATION** and **DISPLAY ON/OFF**
- **BOARD TEMPERATURE** and **CHIP TEMPERATURE** in order to monitor how the fixture works
- Hour-counter on single LED
- Storage and factory recovery
- Upgradable firmware via DMX/USB tool
- **ERROR LIST** in order to display errors that can occur

CONTROL

- Protocols: DMX512, RDM
- DMX channels:

	1CH	2CH	4CH	8CH
	8 BIT	16 BIT	8 BIT	16 BIT
1 ch	DIMMER	DIMMER	DIMMER LED 1	DIMMER LED 1
2 ch		DIMMER FINE	DIMMER LED 2	DIMMER FINE LED 1
3 ch			DIMMER LED 3	DIMMER LED 2
4 ch			DIMMER LED 4	DIMMER FINE LED 2
5 ch				DIMMER LED 3
6 ch				DIMMER FINE LED 3
7 ch				DIMMER LED 4
8 ch				DIMMER FINE LED 4

COMPLIANCE

- CE
- EN 60598-1; EN 60598-2-17
- SSL Licensing Program
- Manufactured in Italy with Quality System ISO 9001:2015

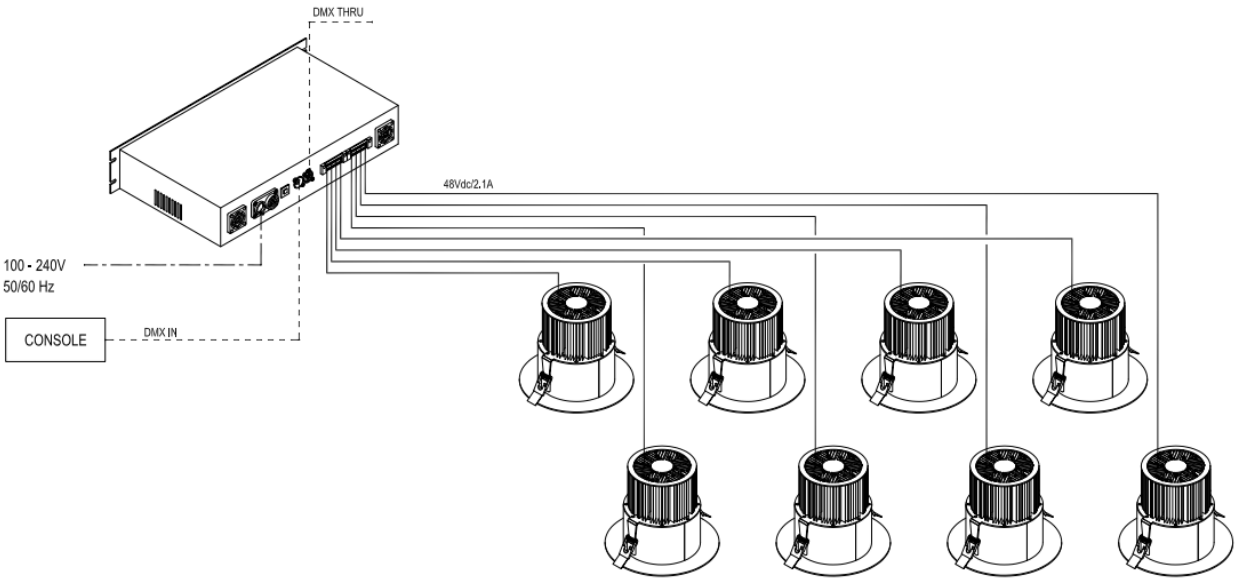
ELECTRICAL & CONNECTIONS

- Power supply: 100-240 V – 50/60 Hz
- Power consumption:
  - **INPUT** 400W
  - **OUTPUT** 4x 85W
- PF>0.94/230VAC PF>0.98/115VAC at full load

- **Power**: PowerCON In/Out panel connectors
- **DMX**: XLR 5-pole In/Out panel connectors
- 4x low-voltage **connectors** for 4 fixtures

LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

REMOTE PSU 8x85



SOFTWARE FUNCTION

- **ESD**: 8bit or 16bit extra soft dimming
- Up to 6 **DIMMING CURVE**
- **LED DELAY**: from 0 to 2000ms
- **OUTPUT FREQUENCY** in order to remove flickering
- **DISPLAY ROTATION** and **DISPLAY ON/OFF**
- **BOARD TEMPERATURE** and **CHIP TEMPERATURE** in order to monitor how the fixture works
- Hour-counter on single LED
- Storage and factory recovery
- Upgradable firmware via DMX/USB tool
- **ERROR LIST** in order to display errors that can occur

CONTROL

- Protocols: DMX512, RDM
- DMX channels:

	1CH	2CH	4CH	8CH
	8 BIT	16 BIT	8 BIT	16 BIT
1 ch	DIMMER	DIMMER	DIMMER LED 1	DIMMER LED 1
2 ch		DIMMER FINE	DIMMER LED 2	DIMMER FINE LED 1
3 ch			DIMMER LED 3	DIMMER LED 2
4 ch			DIMMER LED 4	DIMMER FINE LED 2
5 ch			DIMMER LED 5	DIMMER LED 3
6 ch			DIMMER LED 6	DIMMER FINE LED 3
7 ch			DIMMER LED 7	DIMMER LED 4
8 ch			DIMMER LED 8	DIMMER FINE LED 4
9 ch				DIMMER LED 5
10 ch				DIMMER FINE LED 5
11 ch				DIMMER LED 6
12 ch				DIMMER FINE LED 6
13 ch				DIMMER LED 7
14 ch				DIMMER FINE LED 7
15 ch				DIMMER LED 8
16 ch				DIMMER FINE LED 8

COMPLIANCE

- CE
- EN 60598-1; EN 60598-2-17
- SSL Licensing Program
- Manufactured in Italy with Quality System ISO 9001:2015

ELECTRICAL & CONNECTIONS

- Power supply: 100-240 V – 50/60 Hz
- Power consumption:
  - **INPUT** 750W
  - **OUTPUT** 8x 85W
- PF>0.94/230VAC PF>0.98/115VAC at full load

- **Power**: PowerCON In/Out panel connectors
- **DMX**: XLR 5-pole In/Out panel connectors
- 8x low-voltage **screw connectors** for 8 fixtures

LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

User Manual

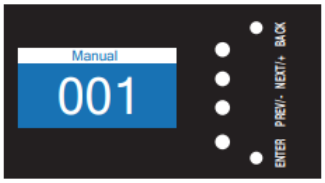
UNPACKAGING

Remove the unit from its package and make sure no damage incurred during transport.

In the event of damages, a report or claim shall be issued to the transport agent and the seller to start the repair or replacement process.

ABOUT THE PRODUCT

Display



When switched on, the installed **software version** is displayed, followed by the **DMX personalities** and **DMX address**.

By pressing the ENTER button you access the SETTINGS.

With the PREV and NEXT buttons you can scroll the items list which in case of value type entries will have the function of increasing (+) or decreasing (-) the values.

The ENTER button allows to access the submenu and change the values which can be confirmed by pressing ENTER or canceled with the BACK button, which can be used also to exit the submenu and go back to the main menu.

Electrical connections

The unit operates at **100-240 Vac - 50/60 Hz**.

Prior to connecting the unit to the mains, ensure that:

- the local mains electricuty supply properties are compatible with those of the product
- the mains line is properly grounded

Note: Electrical wiring, plugging and cabling shall be made by professional or qualified technicians.

DMX signal connections

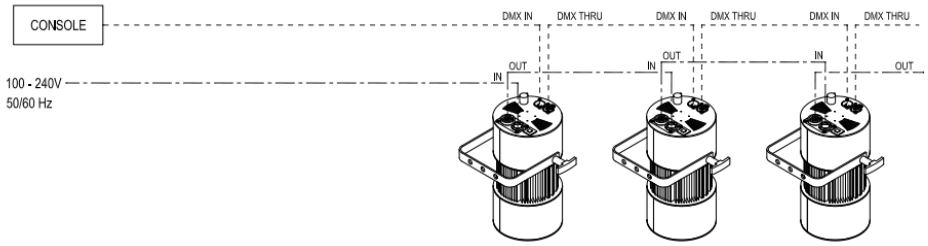
The unit operates using the digital USITT **DMX512** signal, **8 or 16 bit**.

Connection between the consolle and the unit (or between units) must be carried out using a **two-pair screened ø 0.5 mm cable**, and a **XLR 5** (or 3) **pins connector**.
Ensure that the conductors do not touch each other. Do not connect the ground cable to the XLR chassis. The housing of the plug must be isolated.

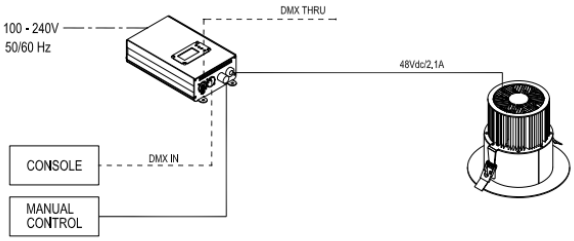
Connect the consolle to the DMX IN panel connector of the unit; to create a link to the next unit, simply connect the DMX OUT plug of the former to the DMX IN plug of the next unit in line.

LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

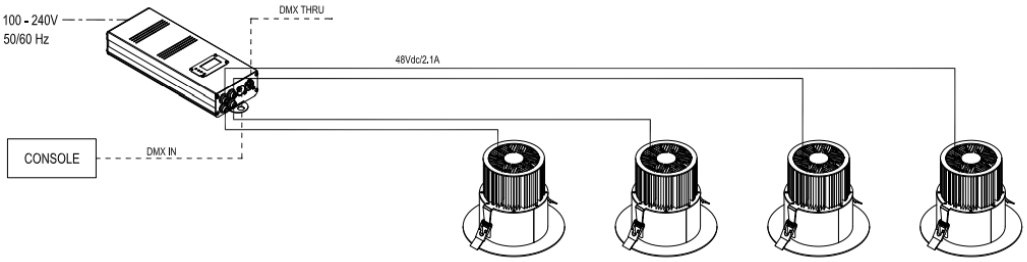
BUILT-IN PSU



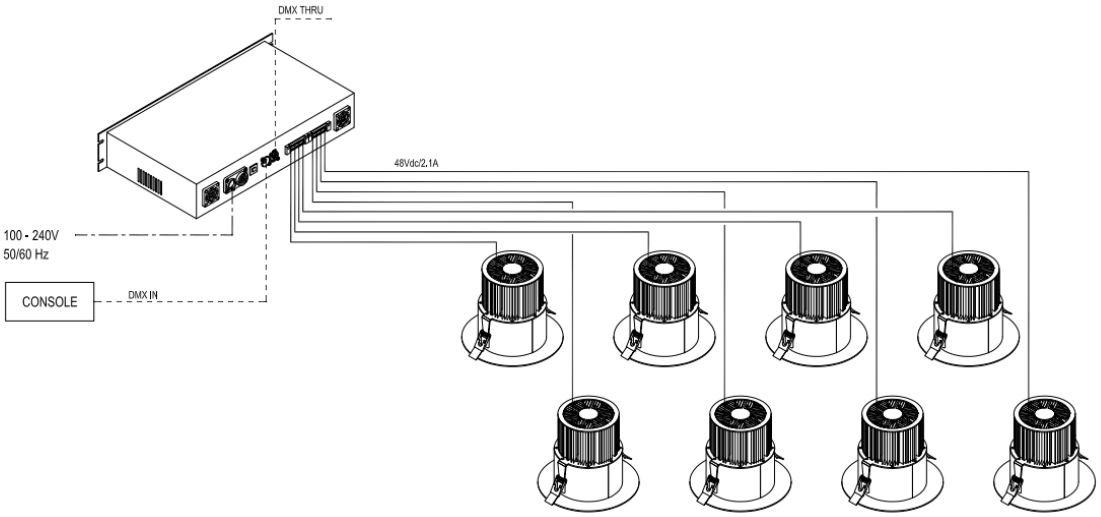
REMOTE PSU 1X



REMOTE PSU 4X

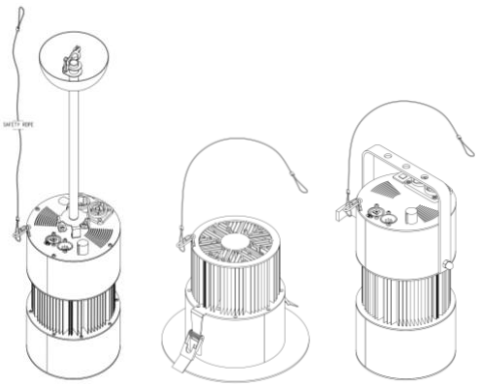


REMOTE PSU 8X



LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

INSTALLATION



Do not focus the light beam straight onto somebody's eyes.

Spotlight sc will not be responsible for any damage to the unit itself, to other objects or people due to improper installation or use of the fixture either than hereinafter specified.

HALLED Series is foreseen for **indoor** use (IP 20).

It shall be protected from rain and humidity if used under different conditions.

In case local regulations require additional safety when hanging the fixture, a safety rope can be fixed as per attached drawing.

The safety cable (wire or chain) is not supplied with the unit: it shall be properly selected to hold the proper maximum load of the unit and its accessories.

SETTINGS

This section lists all the menu functions, highlighting, for each of them, in which group they are present.

		Values	White				How to…
			PSU built-it	Remote PSU 1x	Remote PSU 4x	Remote PSU 8x	
DMX SETTINGS	DMX ADDRESS	001 (default) - … - xxx	YES	YES	YES	YES	How to set the DMX address and DMX personality
	DMX PERSONALITY	See related table	See related table	See related table	See related table	See related table	
OPTIONS	LED DELAY	OFF - 50 - … - 1000 (default) - … - 2000ms	YES	YES	YES	YES	How to emulate the performance of halogen lamp
	DIMMING CURVE	LINEAR (1) HALO (2) QUADRATIC (default) (3) GAMMA 2.6 (4) GAMMA 2.8 (5) S (6)	YES	YES	YES	YES 1-2-3	
	OUTPUT FREQUENCY	500 - 501 - … - 1200 (default) - … - 20000 Hz	YES	YES	YES	YES	
	FAN MODE	AUTO (default) STANDARD SILENT	-	-	-	-	How to remove flickering
	DISPLAY ROTATION	STANDARD (default) ROTATED	YES	YES	YES	YES	
	DISPLAY ON/OFF	ON (default) OFF	YES	YES	YES	YES	
	CURRENT MODULATION	ON (default) OFF	YES	YES	-	-	
	DEFAULT SET*		YES	YES	YES	YES	
	FACTORY SETTINGS**		YES	YES	YES	YES	
INFO	BOARD INFO		YES	YES	YES	YES	How to back to the default settings
	LED TIME		YES	YES	YES	YES	
	UNIT TIME	hr - min	YES	YES	YES	YES	
	SOFTWARE VERSION	V. .... Release date	YES	YES	YES	YES	

*DEFAULT SET: It brings the parameters back to the "original built-in settings" (i.e. fan speed, dimming curve, delay…) as they came out from Factory
**FACTORY SETTINGS: Password-protected menu, used by Spotlight Tech. Dept to apply special settings (limit the current, working hours reset, limit the power consumption, …). These parameters do NOT affect the "default settings" NOTE: Not for final users

DMX PERSONALITIES

All the luminaires are designed to be used in different operating modes:

- DMX
- RDM

LUCCIOLA Series	CANOVA Series	HALLED Series	HYPERION Series						CYCLORAMA Series	
30W Pinspot	30W Pinspot, mini-Profile	85W Downlight	100W Fresnel, PC, Profile	200W Fresnel, PC, Profile	300W Fresnel, PC, Profile	300W Followspot	700W Fresnel, PC, Profile	700W Followspot	300W Cyclorama	600W Cyclorama

The following sections present the **Personalities**, also called **DMX charts**, available for each group to allow the lighting designer to choose which mode to operate the fixture based on the parameters he decides to control and the number of channels available on the console he is using.

BUILT-IN PSU = REMOTE PSU 1X

8 bit	1CH		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)

8 bit	2CH		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	STROBO	0 1..255	OFF from slow (3,86 s) to fast (30 ms)

16 bit	3CH		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)
3 ch	STROBO	0 1..255	OFF from slow (3,86 s) to fast (30 ms)

CURRENT MODULATION
This is an operating mode to eliminate flickering disturbances, caused by PWM driving of the LED, and acoustic disturbances, generated by electronic components.
This mode is specifically indicated for applications in TV Studios or acoustic sheels where maximum silence of the devices and the absence of flicker are required.

REMOTE PSU 4X

8 bit	1CH		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)

16 bit	2CH		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)

8 bit	4CH		
	Function	DMX value	Description
1 ch	DIMMER LED 1	0..255	from OFF (0) to full (255)
2 ch	DIMMER LED 2	0..255	from OFF (0) to full (255)
3 ch	DIMMER LED 3	0..255	from OFF (0) to full (255)
4 ch	DIMMER LED 4	0..255	from OFF (0) to full (255)

16 bit	8CH		
	Function	DMX value	Description
1 ch	DIMMER LED 1	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE LED 1	0..255	from OFF (0) to full (255)
3 ch	DIMMER LED 2	0..255	from OFF (0) to full (255)
4 ch	DIMMER FINE LED 2	0..255	from OFF (0) to full (255)
5 ch	DIMMER LED 3	0..255	from OFF (0) to full (255)
6 ch	DIMMER FINE LED 3	0..255	from OFF (0) to full (255)
7 ch	DIMMER LED 4	0..255	from OFF (0) to full (255)
8 ch	DIMMER FINE LED 4	0..255	from OFF (0) to full (255)

REMOTE PSU 8X

8 bit	1CH		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)

16 bit	2CH		
	Function	DMX value	Description
1 ch	DIMMER	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE	0..255	from OFF (0) to full (255)

8 bit	8CH		
	Function	DMX value	Description
1 ch	DIMMER LED 1	0..255	from OFF (0) to full (255)
2 ch	DIMMER LED 2	0..255	from OFF (0) to full (255)
3 ch	DIMMER LED 3	0..255	from OFF (0) to full (255)
4 ch	DIMMER LED 4	0..255	from OFF (0) to full (255)
5 ch	DIMMER LED 5	0..255	from OFF (0) to full (255)
6 ch	DIMMER LED 6	0..255	from OFF (0) to full (255)
7 ch	DIMMER LED 7	0..255	from OFF (0) to full (255)
8 ch	DIMMER LED 8	0..255	from OFF (0) to full (255)

16 bit	16CH		
	Function	DMX value	Description
1 ch	DIMMER LED 1	0..255	from OFF (0) to full (255)
2 ch	DIMMER FINE LED 1	0..255	from OFF (0) to full (255)
3 ch	DIMMER LED 2	0..255	from OFF (0) to full (255)
4 ch	DIMMER FINE LED 2	0..255	from OFF (0) to full (255)
5 ch	DIMMER LED 3	0..255	from OFF (0) to full (255)
6 ch	DIMMER FINE LED 3	0..255	from OFF (0) to full (255)
7 ch	DIMMER LED 4	0..255	from OFF (0) to full (255)
8 ch	DIMMER FINE LED 4	0..255	from OFF (0) to full (255)
9 ch	DIMMER LED 5	0..255	from OFF (0) to full (255)
10 ch	DIMMER FINE LED 5	0..255	from OFF (0) to full (255)
11 ch	DIMMER LED 6	0..255	from OFF (0) to full (255)
12 ch	DIMMER FINE LED 6	0..255	from OFF (0) to full (255)
13 ch	DIMMER LED 7	0..255	from OFF (0) to full (255)
14 ch	DIMMER FINE LED 7	0..255	from OFF (0) to full (255)
15 ch	DIMMER LED 8	0..255	from OFF (0) to full (255)
16 ch	DIMMER FINE LED 8	0..255	from OFF (0) to full (255)

REMOTE ACCESS THROUGH RDM (Remote Device Management)

All the ARC Systems are designed to be used in different operating modes: via DMX or through RDM (Remote Device Management).

This section shows the values that can be queried remotely through the RDM console.

Plasa/ESTA Denomination	Number of Channels

DEVICE_INFO	- RDM protocol version - Device Model ID - Product category - Software version - Number of DMX channels - DMX mode - DMX address - Number of sub-devices - Number of sensors
IDENTIFY_DEVICE	LED power on - allowing fixture identification
DMX_START_ADDRESS	DMX address setting/reading
SOFTWARE_VERSION_LABEL	Text description version sw
SUPPORTED_PARAMETERS	List of supported parameters
DMX_PERSONALITY	DMX mode setting
DMX_PERSONALITY_DESCRIPTION	Obtaining textual description of DMX mode
DEVICE_MODEL_DESCRIPTION	Text description of the device model
MANUFACTURER_LABEL	Text description manufacturer
SENSOR_DEFINITION SENSOR_VALUE	Display of the values read by the temperature sensor, expressed in tenths of Celsius degree

DIAGNOSTIC

Error message	What does it mean?
BOARD1 NTC SENSOR	Segnale di errore se la temperatura rilevata esce da questo range: -25°C < T < 135°C Errore rientrante. Durata condizione di errore: 1 sec
BOARD1 NTC OVERTEMPERATURE	Segnale di errore se la temperatura rilevata supera i 95°C Errore rientrante. Durata condizione di errore: 1 sec
BOARD2 NTC SENSOR	Segnale di errore se la temperatura rilevata esce da questo range: -25°C < T < 135°C Errore rientrante. Durata condizione di errore: 1 sec
BOARD2 NTC OVERTEMPERATURE	Segnale di errore se la temperatura rilevata supera i 95°C Errore rientrante. Durata condizione di errore: 1 sec
LOW SUPPLY VOLTAGE	The measured main voltage is below the threshold (44 V_{dc}) Errore rientrante. Durata condizione di errore: 10 sec
HIGH SUPPLY VOLTAGE	The measured main voltage is over the threshold (52 V_{dc}) Errore rientrante. Durata condizione di errore: 10 sec
EMERGENCY BRAKE UNDERVOLTAGE	The measured main voltage is over the threshold (52 V_{dc}) Errore rientrante. Durata condizione di errore: 10 sec
ZOOM RESET	Indica che il motore zoom è in movimento durante la fase di reset
TILT ENCODER INVALID	Errata lettura del segnale encoder tilt
PAN ENCODER INVALID	Errata lettura del segnale encoder pan
TILT ENCODER MISMATCH	Errata posizione attesa del tilt rispetto a quella reale
PAN ENCODER MISMATCH	Errata posizione attesa del pan rispetto a quella reale

FIRMWARE UPDATING

In order to update the latest firmware release, you will need:

- Spotlight firmware uploader **dongle** (on request)

  Foto
- **Spotlight upgrade Utility** program installed on PC (Windows OS)
- Latest **firmware release** available for ARC System

To perform the update, please follow the procedure as described below:

1. connect the dongle to a spare USB port on the PC
2. connect the unit's DMX IN to the dongle's DMX OUT with a standard DMX cable and turn on the unit
3. send the new firmware release into the unit by using **Spotlight upgrade Utility** program

At the end of the procedure, reset the unit.

MAINTENANCE

Do not open the unit before disconnecting from the mains: an electrical shock might occur. A complete inspection shall be made once a year to check the electrical and mechanical parts' integrity and the software upgrades. Repairs shall be made by the manufacturer only or its appointed after-sale service center.

Mechanical parts

Periodically check all mechanical parts, geras, guides, belts,… for wear and tear (replace them where necessary).

Periodically check the lubrification of all componenets, particularly he parts subjected to high temperatures. If necessary, apply suitable lubrification where needed.

Periodically check the tension of the belts and adjust them where necessary.

Electrical components

Check all electrical components for correct earthing and proper connection of all connectors (refasten where necessary).