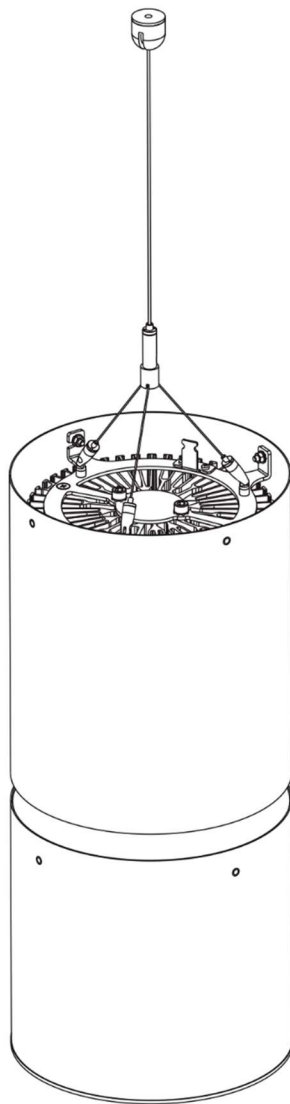


Ambiane XP Pendant Remote



Version 1.0

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1. Attention

The unit must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

The unit was designed for indoor use only.

Do not install the unit near highly inflammable liquids or materials.

Do not allow anything to rest on the unit.

Do not install the unit near an open flame.

Do not install the unit in dirty, dusty or badly ventilated location.

Avoid looking directly into the light beam at close range!

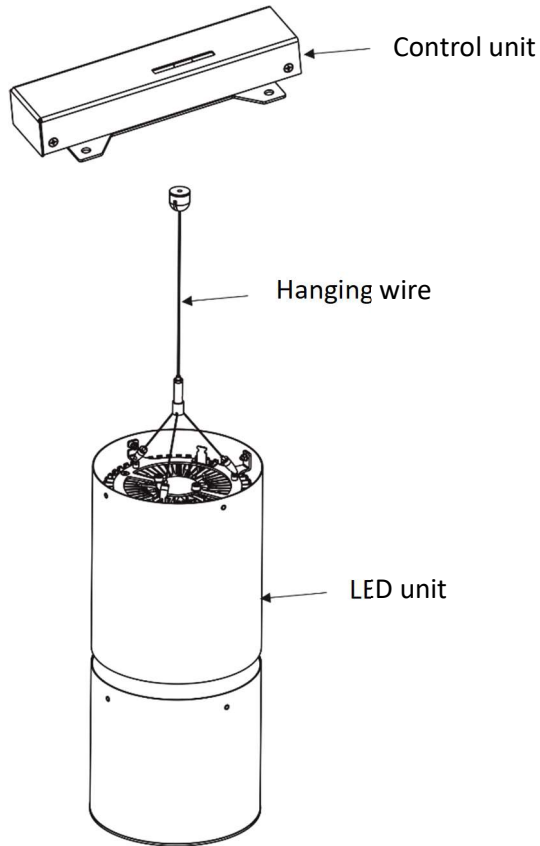
A ceiling (structure) intended for installation of the unit(s) must safely hold weight of the unit(s) placed on it.

Resistance of the equipment is designed for electromagnetic environments E1, E2, E3 according to the standard EN55103-2 ed.2 Electromagnetic compatibility. Product family standard for audio, video, audiovisual and entertainment lighting control apparatus for professional use. Part 2: Immunity.

The installation company should check levels of possible interferences above the tested levels E1,E2,E3 given by this standard (e.g. transmitters in surrounding area) before installing the equipment.

Emission of the equipment complies with the standard EN55032 Electromagnetic compatibility of multimedia equipment – Emission Requirements according to class B.

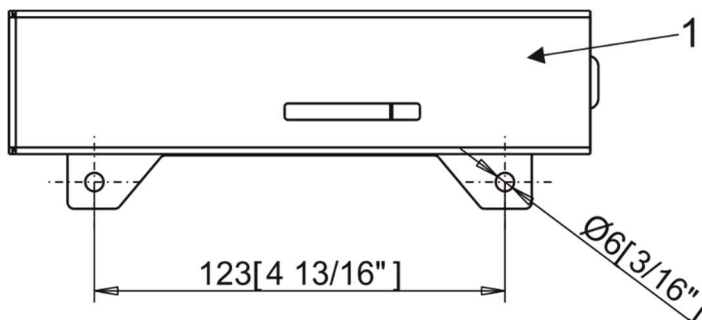
2. Fixture exterior view



3. Installation

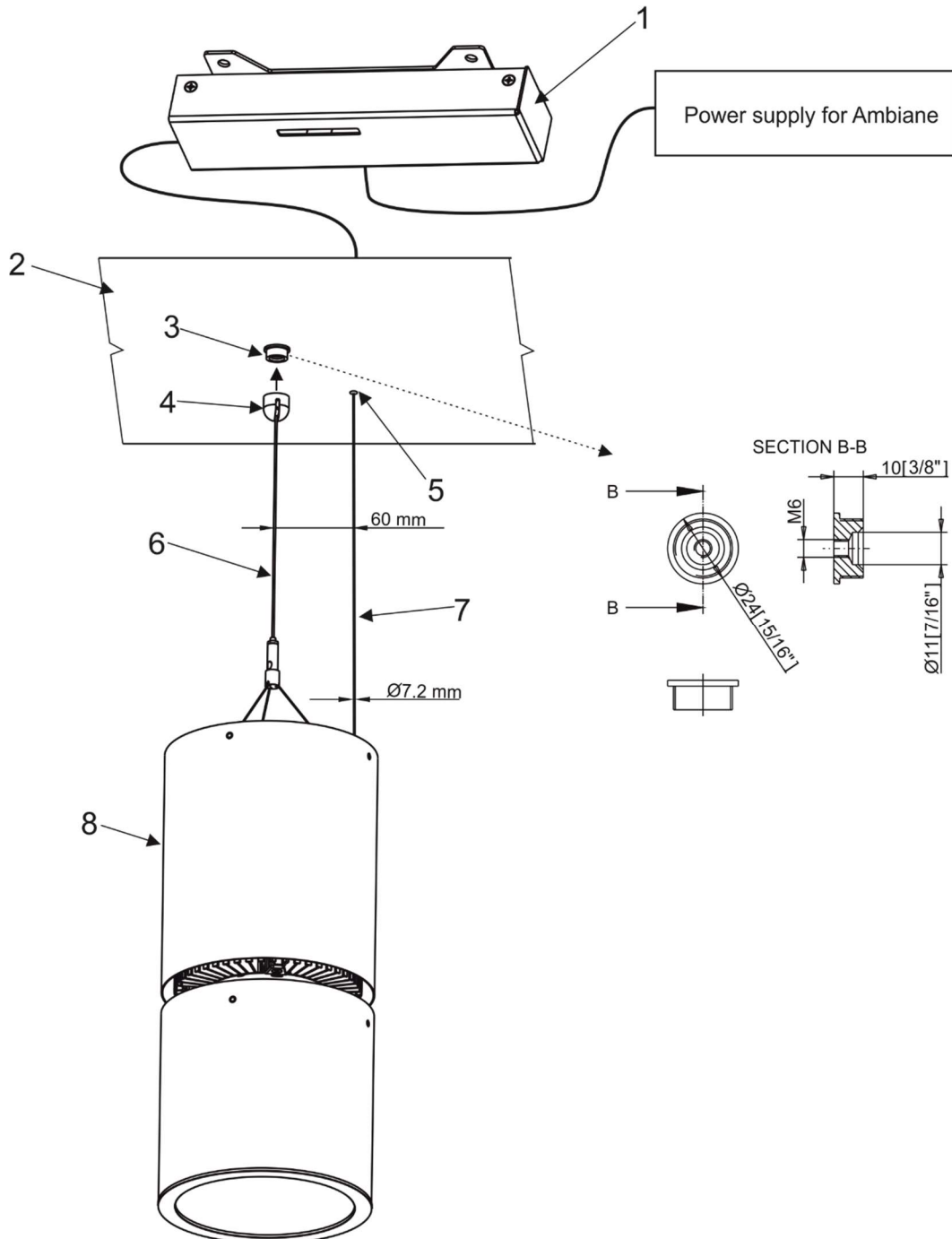
Always switch off power supply of the control unit before connecting or disconnecting the control unit or the light unit.

1. Fasten the control unit (1) on the ceiling by means of two holes in the control units housing.



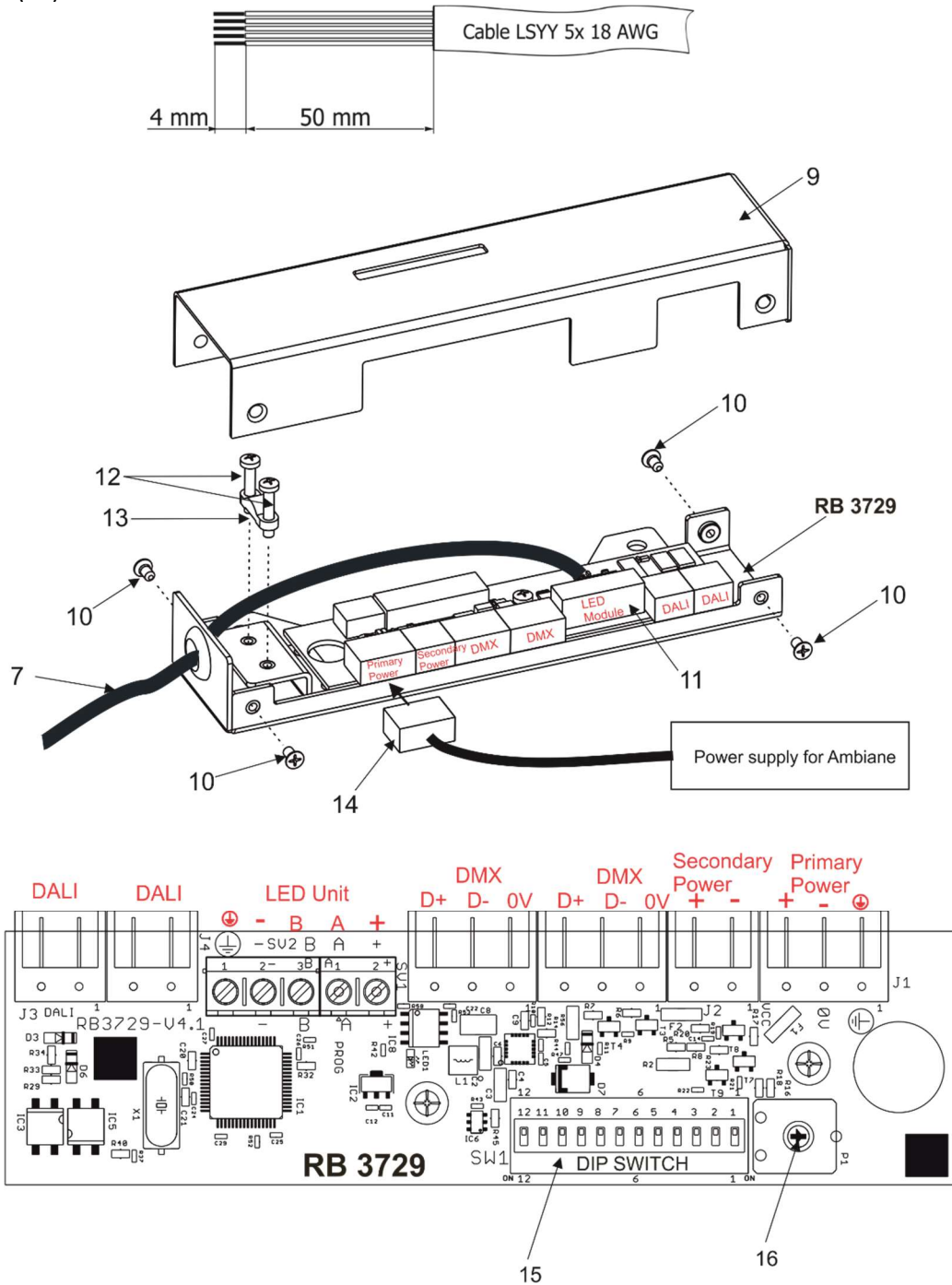
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2. Fasten the ceiling plate M6i (3) to the lower ceiling.
3. Screw the spherical cap (4) with the hanging wire (6) to the ceiling plate M6i (3).
4. Drill the hole (diameter of 8mm) in the lower ceiling for the LED unit supply cable (7). If you wish to have the LED unit supply cable (7) parallel with the hanging wire (6), the distance between the hanging wire and the LED unit supply cable should be 60mm.



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5. Remove the top cover (9) of the control unit by unscrewing the four screws (10) on the cover.
6. Install terminal blocks on data cables and connect them to the PCB RB 3729.
7. Install a terminal block on power supply cable and connect it to the PCB RB 3729.
8. Connect the LED unit cable (7) to the screw terminal block (11) and secure it by means of the clamp (13) and two screws (12).



LED unit connection

Terminal block	+	A	B	-	
Function	LEDs +	Data A	Data B	LEDs -	Ground
Colour of wire	Red	White	Blue	Black	Green/yellow

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DMX connection

D+	0V	D-
Data +	Data ground(shielding)	Data -

Note: The trimmer (16) allows you to set a light intensity (for secondary power only).

The secondary power input serves for a backup power (in case that primary power failed).

If both power inputs are under voltage, the primary power has a priority and the secondary power is disabled. In case of primary power loss, the secondary power is enabled.

If the fixture is supplied via the secondary power, the light output of the fixture is a white colour (3200K) and its light intensity can be set by the trimmer (16).

9. Set the DIP switch (15) according to your operation mode.

The fixture can be controlled by one of the following methods: DMX 512

DALI

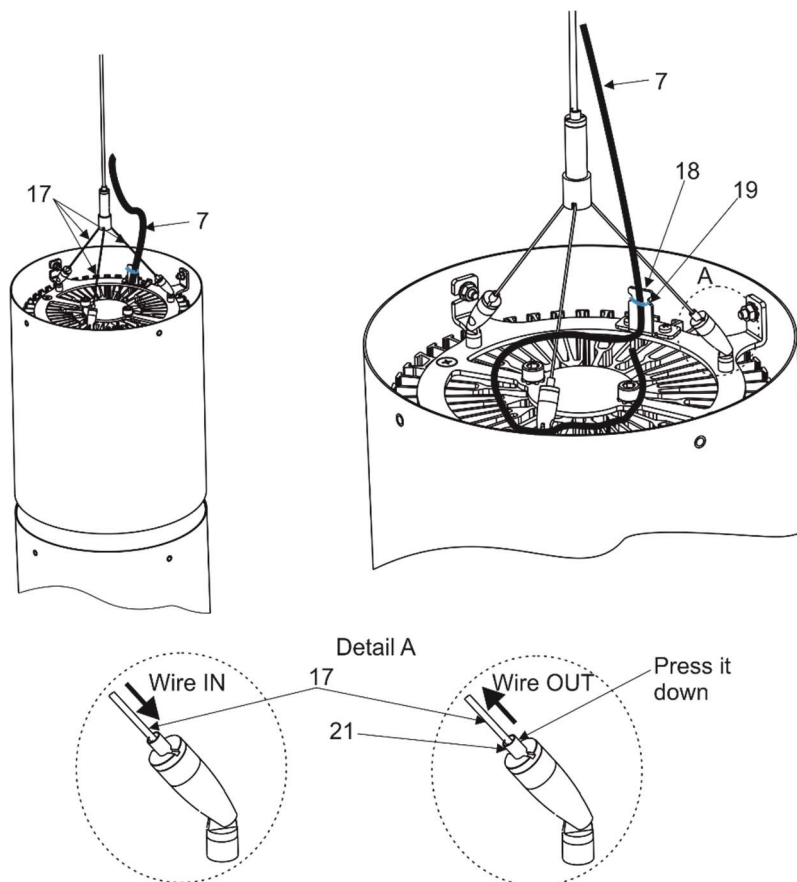
The fixture is equipped with two DMX and DALI connection blocks (on the PCB RB 3729) for easy connection to a DMX or DALI chain (In/Out method).

10. Place the top cover (9) back on the control unit and secure it by means of the four screws (10).

11.

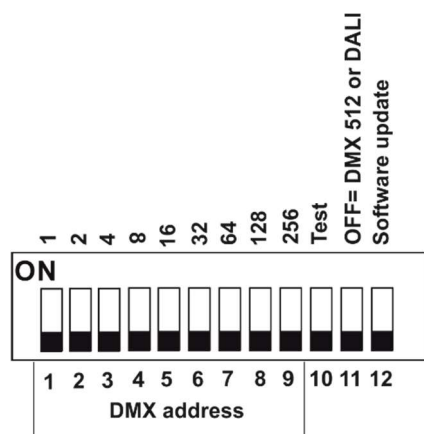
8. Set desired position of the LED unit by means of the three hanging wires (17). If you need to pull the wire (17) out of the supply unit, you have to press and hold the part (21) of the wire lock.

If the the LED unit supply cable (7) is too long, make a "loop" and fasten it to the holder (18) using a cable binder (19).



3.1. DMX and DALI address setting and control

The DIP switch on the control PCB, allows you to set DMX address, run a test light and switch the fixture to the update mode in case of software update.



DIP 10 - if switched to ON=test light (the fixture lights at 3200K)

DIP 11 - has to be switched to OFF position to receive DMX 512 or DALI

DIP 12 - change from OFF to ON position switches the fixture to the update mode.

DMX control

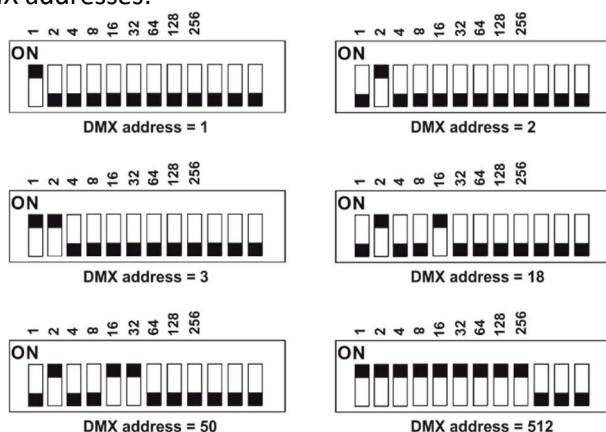
The DMX start address, is the first channel used to receive instructions from the DMX controller. The address may be any channel from 1 to 509. DMX address can be set either by DIP switch or by RDM. DMX address set by RDM overwrites address set by DIP switch and vice versa. The green LED on PCB signals way of DMX address setting:

LED lights-DMX address is set by means of the DIP switch.

LED does not light- DMX address is set by means of RDM.

The DIP 11 has to be set to OFF position.

Example of DMX addresses:



DALI control

Addressing of the fixture has to be made by means of an external DALI controller. The external DALI controller has to send activating command (8=ON) if you need to start the permanent control of the fixture (fixture will not respond to DMX commands) and deactivating command (0=OFF) to stop the control of the fixture.

DIP 11 has to be set in OFF position.

Note: If DIP 11=OFF (fixture is controlled by DMX or DALI), the first coming command switches the fixture to the corresponding operation mode (DMX operation by a DMX command, DALI operation by a DALI command). E.g. the fixture stays in a DALI operation and coming DMX command switches the fixture to DMX operation. Next command

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is a DALI command and switches the fixture to the DALI operation etc. If you need the permanent DALI operation, you have to send a DALI command 8 to the fixture.

4. RDM

This fixture supports RDM operation. RDM (Remote Device Management) is a bi-directional communication protocol for use in DM X512 control systems, it is the new open standard for DMX512 device configuration and status monitoring.

RDM allows you to set a DMX address, select DMX mode and readout software version of the fixture.

5. DMX protocol (RGBW version)

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Mode 1 Channel	Mode 2 Channel	Mode 3 Channel	DMX value	Function	Type of control
1	1	1	0-255	Red Red LEDs saturation control (0-100%)	proportional
-	-	2	0-255	Red Fine Red LEDs saturation control (min.-max.)	proportional
2	2	3	0-255	Green Green LEDs saturation control (0-100%)	proportional
-	-	4	0-255	Green Fine Green LEDs saturation control (min.-max.)	proportional
3	3	5	0-255	Blue Blue LEDs saturation control (0-100%)	proportional
-	-	6	0-255	Blue Fine Blue LEDs saturation control (min.-max.)	proportional
4	4	7	0-255	White White LEDs saturation control (0-100%)	proportional
-	-	8	0-255	White Fine White LEDs saturation control (min.-max.)	proportional
-	5	9	0-255	Dimmer Light intensity coarse (0 -100%)	proportional
-	6	10	0-255	Dimmer Fine Light intensity fine (min.-max.)	proportional

DMX mode has to be set by RDM.

6. Technical specifications

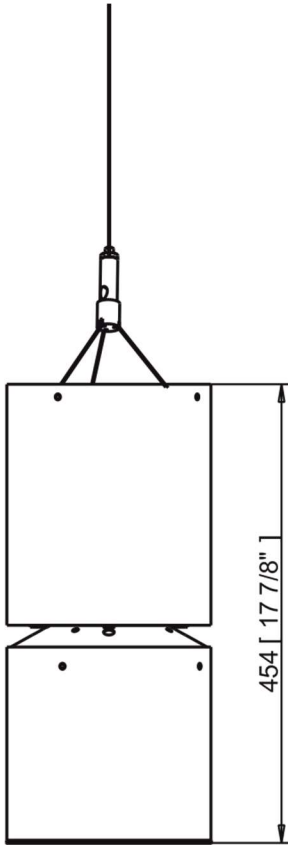
Input voltage:	48V DC
Max. power consumption:	150W
Light source:	High Power LED module
Beam angle:	20°, 30°,45°, 60°
Projected Lumen Maintenance:	60.000 hrs (L70 @ 25 °C / 77 °F)
Colour Variants:	RGBW (W - 2700K or 4000K), PureWhite, Tunable White, Tungsten Dim
Control:	DMX, DALI , RDM
Settings/Addressing:	DIP Switch, RDM
DMX channels:	4 (Mode 1), 6 (Mode 2), 10 (Mode 3)
Operating ambient temp. range:	-20 °C / +40 °C (-4 °F / +104 °F)
Operating Temperature (LED unit):	+75 °C @ Ambient +40 °C (167 °F @ Ambient 104 °F)
Total heat dissipation:	512 BTU/h (calculated)
Cooling:	convection
Housing:	High Pressure Die-Cast Aluminium Body
Weight (without control unit) :	
Ambiane XP Pendant Remote 20°	8.9 kg/ 23.14 lbs
Ambiane XP Pendant Remote 30°	9 kg/ 23.14 lbs
Ambiane XP Pendant Remote 45°	9.3 kg/ 23.36 lbs
Ambiane XP Pendant Remote 60°	9.3 kg/ 24.03 lbs
Mounting Method:	pendant with adjustable hanging wire
IC rating:	non-IC rated
Power/DMX/DALI connection:	terminal blocks (Phoenix Contact PT 4-WE/3 / BCH-500HS-3GN/ BCH-500HS-2GY)
Protection factor:	IP 20

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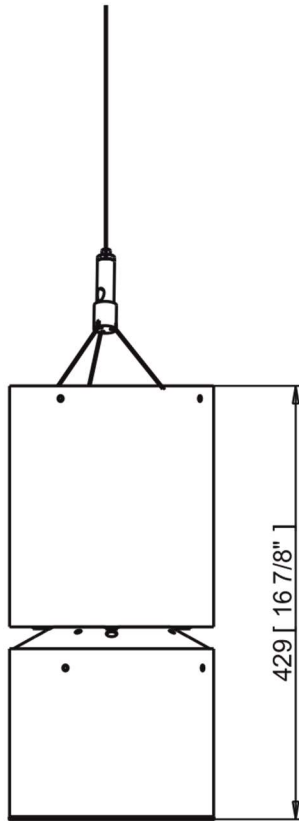
Dimensions

mm [inch]

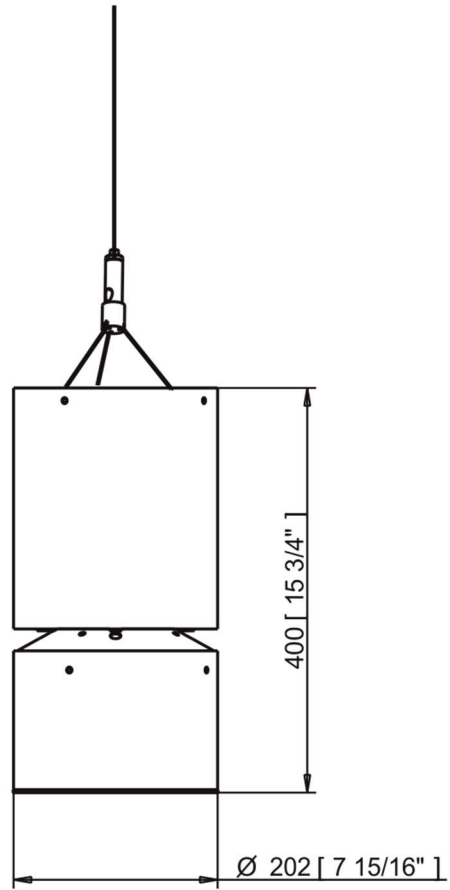
Ambiane XP Pendant Remote 20°
Ambiane XP Pendant Remote 30°



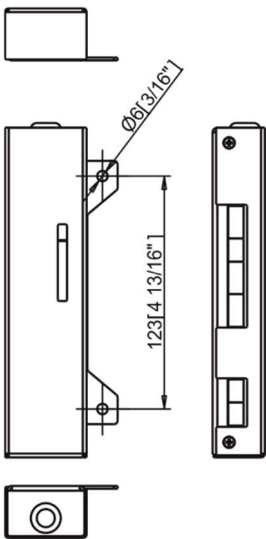
Ambiane XP Pendant Remote 45°



Ambiane XP Pendant Remote 60°



Control unit



Included items

- 1 x Ambiane XP Pendant Remote
- 1 x Control unit
- 1 x Set of cable connectors
- 1 x User manual

Option items

- Power supply for Ambiane XP/HP

6. Cleaning and maintenance

Disconnect from the mains before starting any maintenance or cleaning work

Keep the fixture clean, especially light source and the ribbed heat sink.
Maintenance and service operations are only to be carried out by a qualified person.
Should you need any spare parts, please use ROBE OEM parts.

6.1 Disposing of the product

To preserve the environment please dispose or recycle this product at the end of its life according to the local regulations and codes.

Specifications are subject to change without notice

October 2, 2020

Made in CZECH REPUBLIC by ROBE LIGHTING s.r.o. Palackeho 416/20 CZ 75701 Valasske Mezirici