Rapidrop Global Ltd

British Manufacturer of Fire Detection & Suppression Equipment

Lumi-Plugin

More than a light, Saves Lives, Streamlines Ceilings
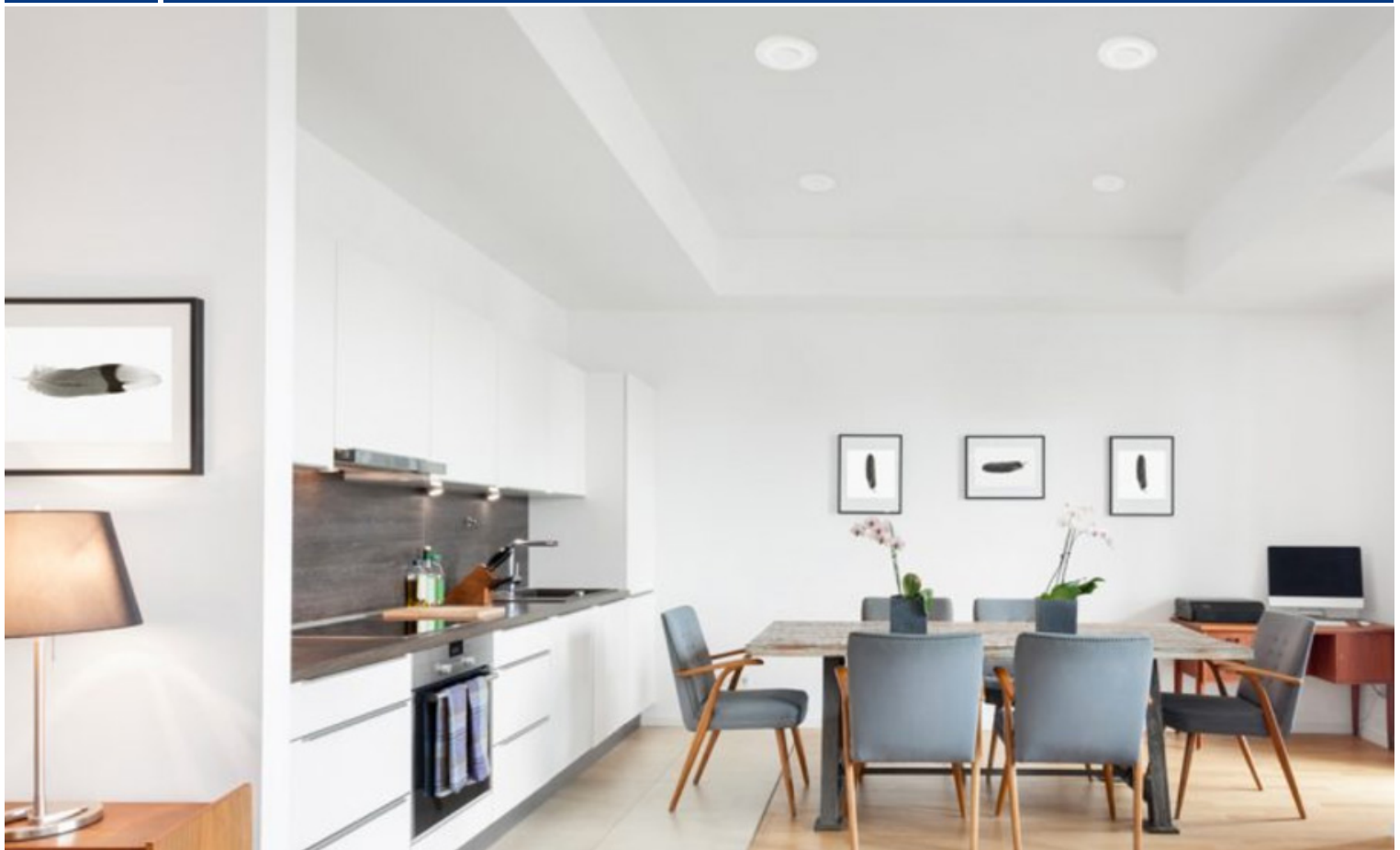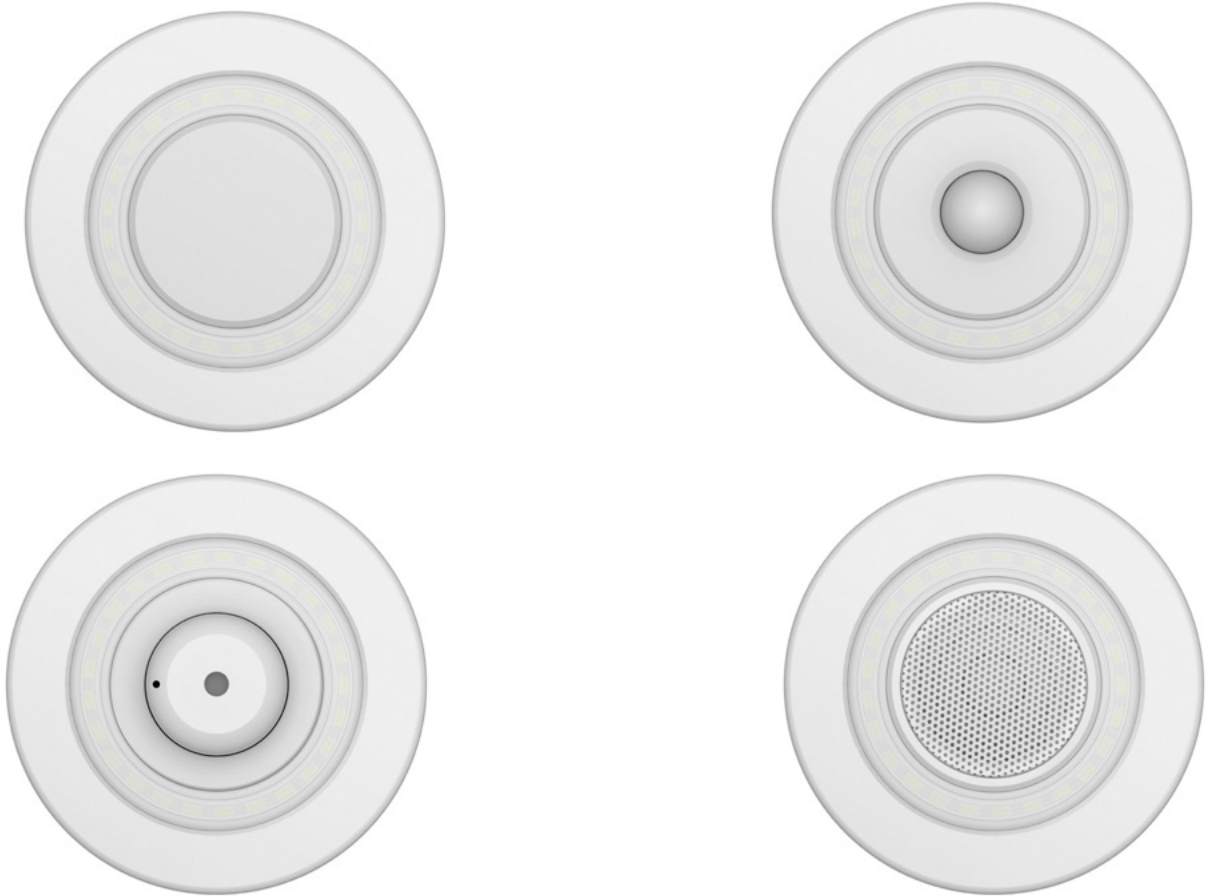
LUMI-PLUGIN

Detect, Escape Suppress

Should a fire accidentally "break out" detection, evacuation and suppression maximises escape times and minimises the impact of a fire.

The Lumi-Plugin unit provides fire detection, emergency back-up lighting and fire suppression as a plugin into an LED Lighting system. The Lumi-Plugin, saves lives and streamlines interiors.

Lumi-Plugin has been designed to help you get to a place of safety. Emergency lighting provides regular visibility for up to 3 hours.

Designed to work with both concealed and semi-concealed fire suppression systems.

Apollo and Cavius provide a range of smoke and heat detection systems ranging from DIY retrofit to integrated building systems.

Ideal for rooms and spaces that are not used regularly. PIR sensors activate the lighting when the space is in use, reducing energy.

KitSound high quality ceiling speakers provide a wireless speaker system plugin that will integrate Amazon Alexa, Google Home and Homepod.

One plugin
Multiple uses

Conventional fire suppression systems, fire detection and emergency lights all compete with room lighting for the same place on the ceiling. Now they don't have to. The compact and simplistic design of Lumi-Plugin, allows it to seamlessly blend in with its surroundings without disrupting your home or property's interior.

Before

www.rapidrop.com

Lumi-Plugin's multi-functional design reduces installation time and costs as you are installing one system rather than many various systems in multiple places. Expect to further increase your savings as the low voltage LEDs and PIR sensor plugins will mean you are saving energy and running costs.

After

Features

IP65 Rating

With an IP65 rating Lumi-Plugin is fully dust proof and water resistant to ensure the longevity of the product. This allows the LEDs to be used in a Zone 1 setting, i.e. wet rooms including shower enclosures.

Fire Rated 30/60/90

Lumi-Plugin has passed the loaded floor fire test standard in 30/60/90 minutes at the world famous Building Research Establishment (BRE) based in Watford.

Warm White Light

The dimmable warm white light is suitable for both home or commercial properties.

Standards

Tested to EN1365-2014

Warranty

Lumi- Plugin comes with a 5 year / 50,000 hours warranty

Specification

Model	LP120
IP Rating	IP65
Material	Carbon (Steel and Plastic)
Input Voltage to Luminaire	16V
Input Voltage to Driver	240V
Power Output	8W
Colour Temp	4000K
Light Colour	Warm White
Dimmable	Yes
Fire Rating	30/60/90
Luminaires per pack	1
Product Diameter	120mm
Product Depth	70mm
Hours	50,000
Lumens	800L
Beam Angle	60°
Available Colours	White or Chrome (RAL colours available on request)
Require Hole Cut Size	92mm

Product Name	Lumi-Plugin LP120	Phillips RS060B	Enlite 9781JEN-DE8/40	Robus RATR6P0303	Luceco EFT60W40	LAP 5463F	Idual JE1295808
IP Rating	IP65	IP20	IP65	IP65	IP65	IP65	IP65
Voltage into Driver	240V	220-240 V	220-240 V	220-240 V	220-240 V	220-240 V	220-240 V
Voltage into Luminare	16V	N/A	N/A	N/A	N/A	N/A	N/A
Hours	50,000	30,000	25,000	50,000	25,000	25,000	25,000
Power Output	8W	6W	8W	6W	6W	4.5W	7.5W
Equivalent Wattage	50W	Not Stated	50W	50W	60W	40W	Not Stated
Lumens	800L	500L	565L	500L	600L	380L	345L
Colour Temp	4000K	3000K	3000K	3000K	3000K	3000K	4000K
Light Colour	Warm White	Warm White	Warm White	Warm White	Warm White	Warm White	Warm White
Dimmable	Yes	Yes	Yes	Yes	Yes	No	Yes
Warranty	5 Years	3 Years	3 Years	1 Year	2 Year	3 Years	3 Years
Beam Angle	60	36	60	Not Stated	60	Not Stated	60
Fire Rating	30/60/90	Not Stated	30/60/90	30/60/90	30/60/90	30/60/90	Not Stated

Emergency Light Plugin

Features

Emergency Lighting
Lumi-Plugin option incorporates designed an emergency lighting system that provides you with the same amount of visibility as any normal light, lasting for up to 3 hours, giving you the time you need to get to a place of safety.

IP65 Rating
With an IP65 rating Lumi-Plugin is fully dust proof and water resistant to ensure the longevity of the product. This allows the LEDs to be used in a Zone 1 setting, i.e. wet rooms including shower enclosures.

Fire Rated 30/60/90
Lumi-Plugin has passed the loaded floor fire test standard in 30/60/90 minutes at the world famous Building Research Establishment (BRE) based in Watford.

Warm White Light
The dimmable warm white light is suitable for both home or commercial properties.

Standards
Tested to EN1365-2014

Warranty
Lumi- Plugin comes with a 5 year / 50,000 hours warranty

Specification

Supply Voltage	110v – 240v
Supply Frequency	50-60Hz
Material	PC-ABS
Battery Type	Nimh
Emergency Duration	3 Hours
Charging Time	24 Hours
Weight	240g (Battery Pack)
Size	170mm x 60mm x 35mm (Battery Pack)

Rapidrop

LUMI-PLUGIN

CAVIUS™

Features

World's Smallest

CAVIUS is the world's smallest Photoelectric Smoke Alarm, with some big features. The aesthetically pleasing Photoelectric Smoke Alarm has a 10 year long-life battery, a penetrating sound at 85dB(A) at 3 meters, a 10 minute pause option, 30 day low battery warning.

Alarm signal

The alarm has a visual and acoustic alert tone. In the passive state, the somke detectors' LED will flash every 48 seconds to indicate normal function. In an alarming state the somke detectors' LED will flash and the alarm will emit a sweeping sound pattern design to alert occupants.

Hush Function

In case of unintentional alarm condition or false alarms, press the center cap button. This will hush the alarm for 10 minutes, after which time it will automatically resume its normal alarm function.

Approvals

EN 14604:2005, EN 60065:2002

Red Dot Design Award

The CAVIUS smoke alarm has been awarded with an Honourable Mention at the 2013 Red Dot Design Awards.

Warranty

Plugin comes with a 1 year warranty

reddot design award honourable mention 2013

Specification

Smoke Alarm Type	Optical Smoke Alarm device
Operation AC/DC	DC
Isotope Activity	Absence of radioactive substances.
Sound	Audible indicator min. 85 dB @ 3 meter
Sound Pattern	Fire alarm condition is indicated by a series of three successive tones.
Visible Indicator	• normal operation every 48 seconds • fire alarm condition every 0.5 seconds • Smoke at the alarm threshold 2 seconds
Hush Function	10 minutes
Detection Timing	Optical reading every 8 seconds Alarm stage every 2 seconds
Battery Type	Duracell or Desay 3V CR123A Lithium battery, 1600 mAh (non-replaceable)
Battery Life	Minimum 10 year life in normal operating condition. (Based on a weekly testing).
Low Battery Indication	Acoustic "beep" and LED flash every 48 seconds when the voltage is below 2.85V
Power Consumption	For 1 year in normal operation, the battery consumption is 80mAh

Commercial & Residential Concealed Sprinkler Plugin

Features

Performance

Concealed sprinklers are automatic sprinklers of the compressed fusible solder type. The heat sensitivity and water distribution design of the concealed sprinkler allows for an increased chance of occupants' escape or evacuation in case of fire.

Decorative

The cover plate has a flat profile, and the smallest cover plate on the market at 60mm diameter. The frame and cover of the sprinkler hides the deflector and gasket assemblies. The concealed sprinkler is designed for use in commercial and residential occupancies where aesthetics are a major consideration.

Easy Installation

A huge advantage is its ease of installation thanks to the protective cap's innovative design elements. The tolerance limit to the ceiling level is clearly marked on the protective cap and small bumps are added to the head so it can be fastened with just the right tension.

The design of the sprinkler features a separable escutcheon providing 9.5 mm (3/8 inch) vertical adjustment. This adjustment reduces the accuracy to which the fixed pipe drops to the sprinklers must be cut to help assure a perfect fit installation.

Approvals

LPCB Approved

Technical Specification

Thread size	1/2" NPT, R1/2 (1/2" BSPT) available on request		
Sprinkler Type	Commercial		Residential
Response	Quick -UL Standard - FM	Quick Response	
SIN Number	RD105	RD107	RD205
K Factor	K5.6	K5.6	K4.9
Max. Working Pressure	175 psi (12.1 bar)		
Temperature	Sprinkler: 72°C (162°F) Cover Plate: 60°C (140°F) Sprinkler: 96°C (205°F) Cover Plate: 72°C (162°F) (UL)	Sprinkler: 72°C (162°F) Cover Plate: 60°C (140°F)	
Finish	White, Black & Chrome (RAL colours available on request)		
Approvals	UL - Quick FM - Standard	LPCB, CE	UL Listed
Data Sheet Number	4.19	4.20	4.16

Commercial & Residential
Flush Pendent Sprinkler Plugin

LUMI-PLUGIN

LPCB
Cert/LPCB/ ref. 566e/01

CE

Features

Performance

The Flush Pendent Sprinklers are automatic sprinklers of the compressed fusible solder type. They have been designed with heat sensitivity (Quick Response) and water distribution characteristics proven to help in the control of fires to improve the chance for occupants to escape or be evacuated.

Decorative

They are decorative, low profile, flush mounted sprinklers. The Frame and Cover of the sprinkler hides the deflector and gasket assemblies. The Flush Pendent is designed for use in commercial and residential occupancies where aesthetics are a major consideration.

Easy Installation

A huge advantage is its ease of installation thanks to the protective cap's innovative design elements. The tolerance limit to the ceiling level is clearly marked on the protective cap and small bumps are added to the head so it can be fastened with just the right tension.

Approvals

LPCB Approved

Technical Specification

Thread size	1/2" NPT, R1/2 (1/2" BSPT) available on request		
Sprinkler Type	Commercial		Residential
Response	Quick Response	Quick Response	Quick Response
SIN Number	RD101	RD103	RD201
K Factor	K5.6	K5.6	K4.2
Max. Working Pressure	175 psi (12.1 bar)		
Temperature	72°C (162°F) 96°C (205°F)	72°C (162°F) 96°C (205°F)	72 °C (162°F)
Finish	White, Black & Chrome RAL matched colours available on request		
Approvals	LPCB, CE	UL Listed	UL Listed
Data Sheet Number	4.12	4.13	4.14

Complete Ceiling Solution
Flexible Sprinkler Connection

Features

The first European approved alternative

The Rapidrop Flexible sprinkler connection quickly connects fire sprinklers to water pipelines and easily positions the sprinkler in the centre of the ceiling tile.

Unlike traditional hard-piped fire protection systems, Rapidrop sprinkler connections allow engineers, architects, contractors and building owners greater versatility, reduced installation time and substantial cost savings.

The original and first European approved alternative solution to traditional pipe work Rapidrop is an adjustable stainless steel connection that removes the need for cutting, threading and precise measurements.

Rapidrop Flexible Sprinkler Connections can easily be formed by hand connecting the sprinkler to the pipework quickly even in the most restricted spaces, voids as small as 100mm.

The Rapidrop flexible hoses are available in 780mm – 1220mm lengths with reducing fittings for concealed, flush pendent and pendent sprinkler heads.
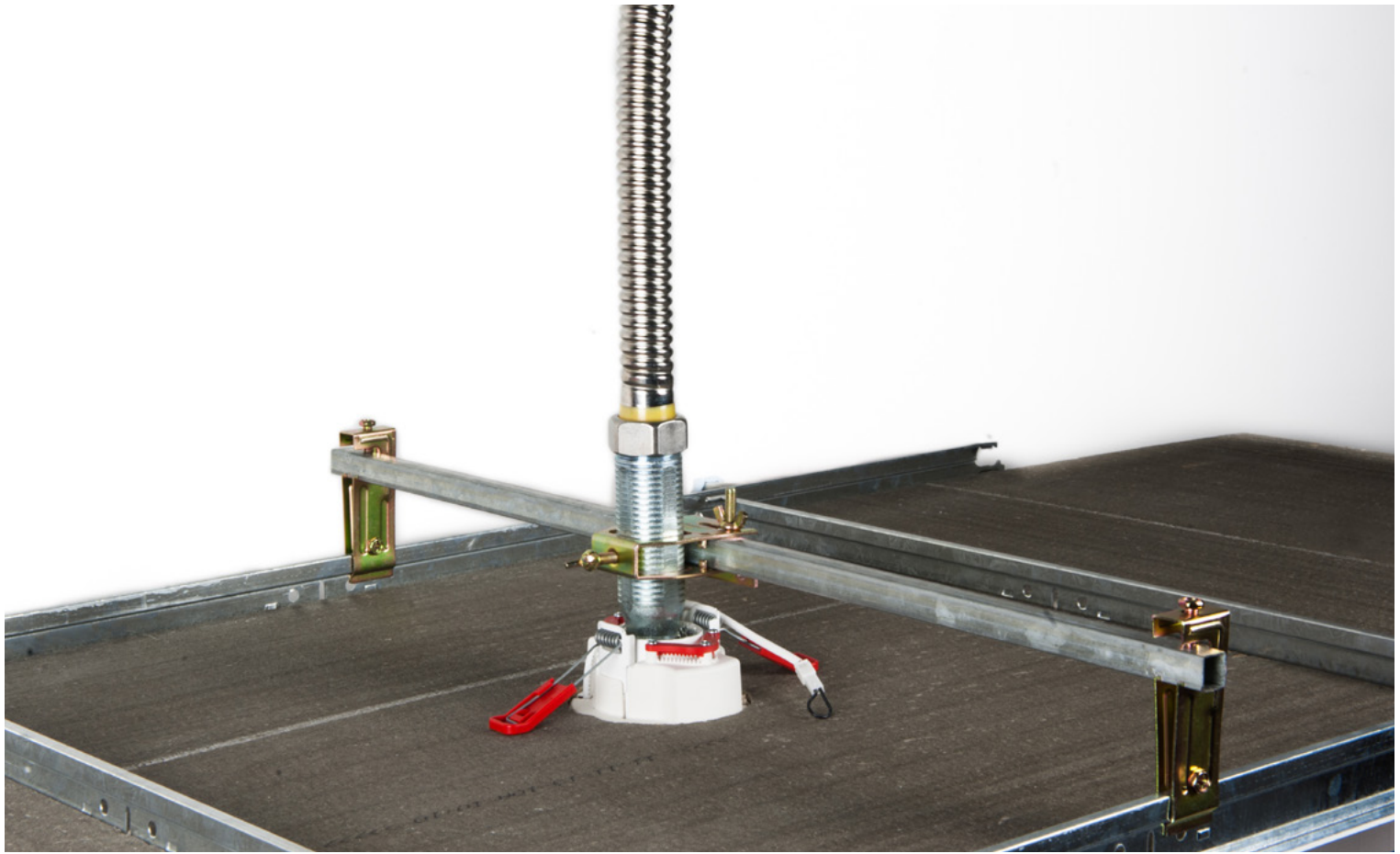
A wide range of ceiling support brackets are available to suit different ceiling systems including lift out tile, fixed board (Gypsum) and many other types.

With numerous inlet, outlet and bracket options, Rapidrop are supplied in kit form containing only the specific components as per your order.

Approvals

Following extensive testing, Rapidrop Flexible Sprinkler Connections are approved and listed by FM, UL, LPCB, VdS, CNBOP-PIB,

The Rapidrop flexible sprinkler connections & Lumi-Plugin streamlines installation, streamlines ceilings

Technical Specification

Model	SP	SPB	SMB
Hose Type	Corrugated Unbraided Stainless Steel Flexible	Braided Stainless Steel Flexible	Braided Stainless Steel Flexible
Lengths	780mm, 1000mm, 1220mm, 1540mm, 1880mm, 2540mm	780mm, 1220mm, 1540mm, 1880mm, 2540mm	780mm, 1000mm, 1220mm, 1540mm, 1880mm
Hose Size	1" (DN25)	1" (DN25)	1" (DN25)
Maximum Working Pressure	16 Bars (LPCB), 12 Bar (UL)	12 bar / 175 PSI (FM) 16 bar / 232 PSI (Vds)	12 bar / 175 PSI
Minimum Bend Radius	75mm (LPCB) 100mm (UL)	75mm (VdS) 140mm(FM)	165mm (6½")
Inlet Connection	1" BSPT or 1¼" BSPT external thread (optional 1" NPT)	1" BSPT external thread (optional 1" NPT)	1" NPT/ 1" BSPT
Straight Outlet	½" NPT or ¾" NPT internal thread (optional BSPT)	1/2" NPT or ¾" NPT internal thread (optional BSPT)	½" NPT or ¾" NPT internal thread (Optional BSPT) ½" NPT / ½" BSPT or ¾" NPT / ¾" BSPT
90° Outlet Elbow	½" NPT or ¾" NPT standard or long radius	1/2" NPT or ¾" NPT standard or long radius	½" NPT or ¾" NPT standard or long radius
Approvals	UL Listed, LPCB, CNBOP	FM Approved, VdS, CNBOP	FM Approved
Data Sheet	3.03	3.01	3.11

Speaker Plugin

KITSOUND

Features

Incredible sound throughout your home with KitSound ceiling speakers with wireless connectivity that shouts style and substance; with impressive power, extra bass, and plenty of attitude.

Wireless Connectivity

Connect completely wirelessly with Bluetooth connectivity, and enjoy a massive 6 hours play time. No wires, and no fuss, just audio simplicity. For endless music the speaker can be mains wired.

High Quality Sound

Renew your passion for great sound and experience your favourite tunes the way they should sound. The Lumi-Plugin's speaker built-in Digital Signal Processor automatically optimises the internal equaliser (EQ) for the best sound, it boasts 3 Watts of ultimate stereo sound.

Warranty

Lumi- Plugin comes with a 1 year warranty

Specification

Materials	PC-ABS
Output	3 Watt
Connectivity	Bluetooth
Max Play Time	6 Hours Wire for maximum play time
Wireless Range	Up to 10m
Dimensions	45mm x 60mm

PIR Plugin

LUMI-PLUGIN

Features

Ideal for rooms and spaces that are not used regularly. PIR sensors will activate the lighting system only when the space is in use, reducing the energy used

Warranty

Lumi- Plugin comes with a 5 year warranty

Specification

IP Rating	IP65
Construction material	PC-ABS
Voltage	220 - 240 VAC
Voltage USA	110 - 120 VAC
Detection range	360 degrees
Detection range	6m
Adjustable On Time duration	10sec (+/-3sec) to 15mins (+/-2mins)
Day and Night sensor	Adjustable
Sensitivity	Adjustable
Installation height	2.2m up to 4m
Diameter	55.8mm
Height	56mm
Weight	0.1 kg
Max Lights per PIR	10
Environment	For indoor use only

Rapidrop Global Ltd

Rapidrop: A Global company, British manufactured

British based manufacturer of fire sprinkler system products with international sales and distribution serving the needs of the fire detection and suppression industry worldwide.

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