

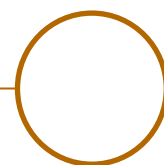
Wouss

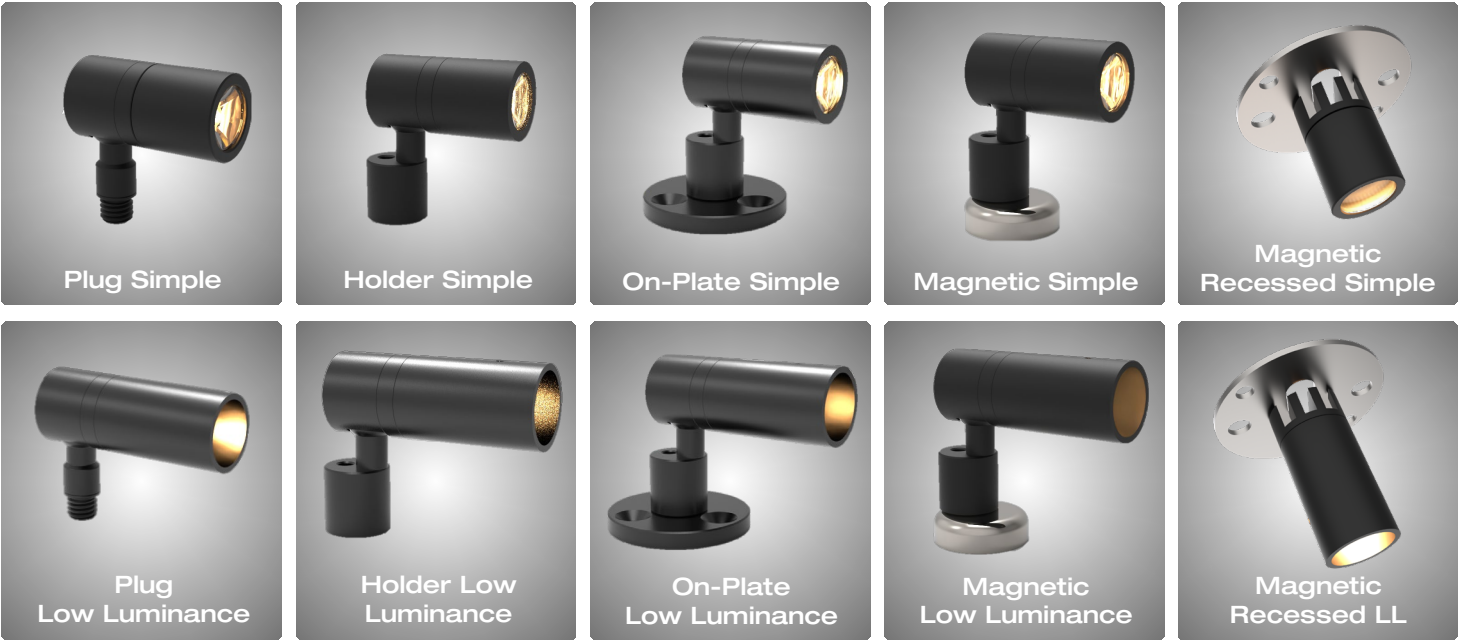
Lighting Emotion



NANO12

The miniature spotlight

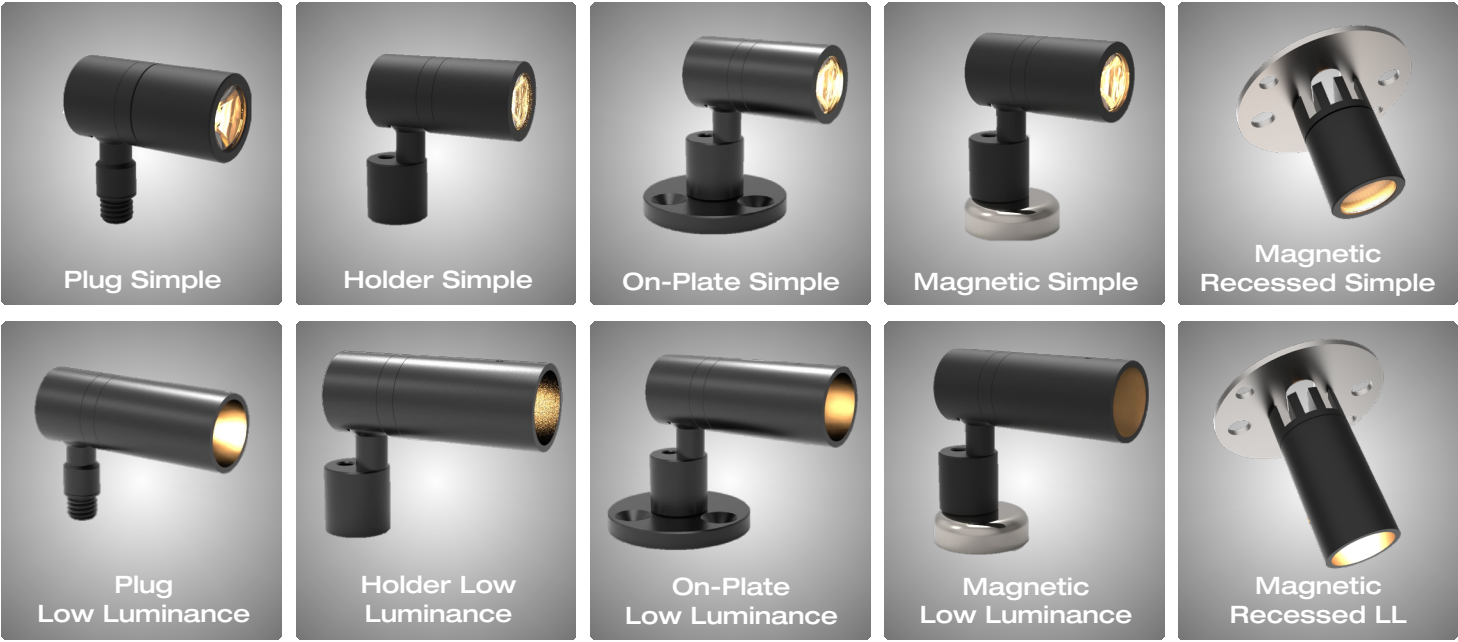




NANO12

Range	Spotlights for accent lighting	
Description	Supplied in Simple or Low Luminance version Anodized aluminum body Recessed Magnetic version : Supplied in Straight or Beveled (10°, 15°, 25° or 30°) versions Plug , Holder, On-Plate & Magnet versions : Orientation 350° - Adjustable tilt 109°	
Finish	Black anodized matt finish	
Dimensions	Plug	Holder
	Spotlight diameter : 12mm Spotlight length : 24mm (Simple) 32mm (L.L) Max. height : 31mm (Simple) (holder included) 39mm (L.L) Fixing device height : 4mm	Spotlight diameter : 12mm Total length : 27mm (Simple) (holder included) 35mm (L.L) Max. height : 37mm (Simple) (holder included) 46mm (L.L) Holder diameter : 10mm
	On-Plate	Magnet
	Spotlight diameter : 12mm Total length : 34mm (Simple) (plate included) 43mm (L.L) Max. height : 40mm (Simple) (plate included) 49mm (L.L) Plate diameter : 25mm	Spotlight diameter : 12mm Total length : 27mm (Simple) (magnet included) 35mm (L.L) Max. height : 42mm (Simple) (magnet included) 51mm (L.L)
	Recessed Magnetic	
	Spotlight diameter : 12mm Spotlight length : 18.50mm (Simple) 26.80mm (L.L) 26.80mm (10° bevel) 27.40mm (15° bevel) 28.51mm (25° bevel) 29.2mm (30° bevel) Stop washer diameter : 30mm	

All the connections have to be made before powering up,
otherwise the luminaires could be seriously damaged.



NANO12

LED characteristics	CRI 92 / R9>80 : 1 LED 2700K – 3000K – 3500K – 4000K – 5700K CRI 80 : 1 LED 2200K MacAdam ellipse : 3 SDCM
Optical beams	16° - 23° - 25° - 33° - 37° - 58° - 69° - 78° 17°x49° (Simple) – 16°x40° (Low Luminance)
Connection	Supplied with 0.5m cable Individual connection or connection in series on external constant current driver Optional : Easy plug system (25cm cable + male & female quick connectors + shunt)
Separate power supply	500mA max. External constant current driver For the US & Canada use a UL class 2 driver
LED power	Simple version : 1W at 350mA Low Luminance version : 1.6W at 500mA
Use limitations	The product must be installed into a ventilated area Any use with an ambient temperature higher than the specified ambient temperature (Ta) would lead to a more rapid mortality of the product and the withdrawal of our guarantees The drivers, if not delivered by LOuss, must be approved before use
Warranty	Life span: L80B10 at 50,000 hours (80% remaining flux) at 25°C ambient temperature 3-year parts and labour warranty The warranty does not apply to products that have been opened, modified or repaired and does not cover the effects of a wrong connection, careless, abusive handling, overvoltage, lighting injury, as well as the normal wear of the product All products are electrically tested and received a functional burn-in

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LOuss

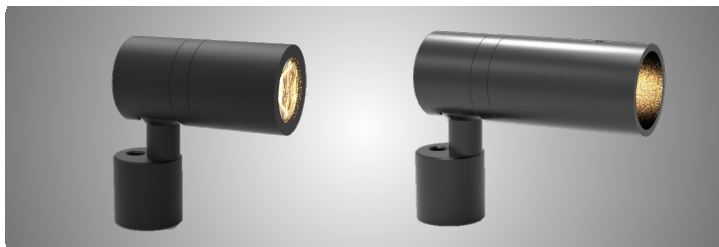
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Firalux & LOuss brands

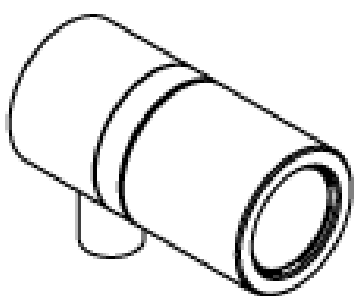
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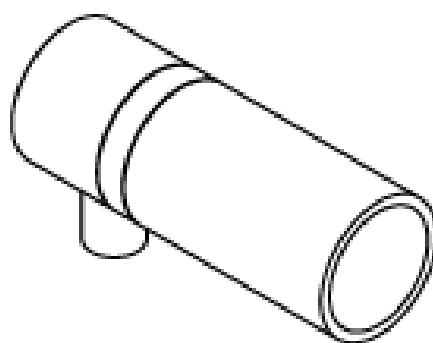
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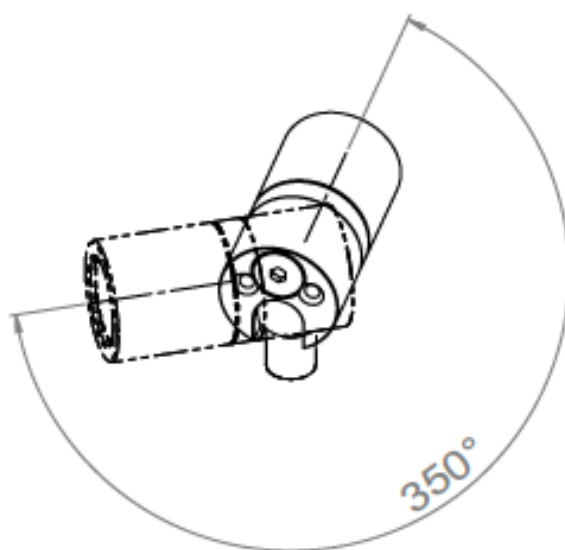
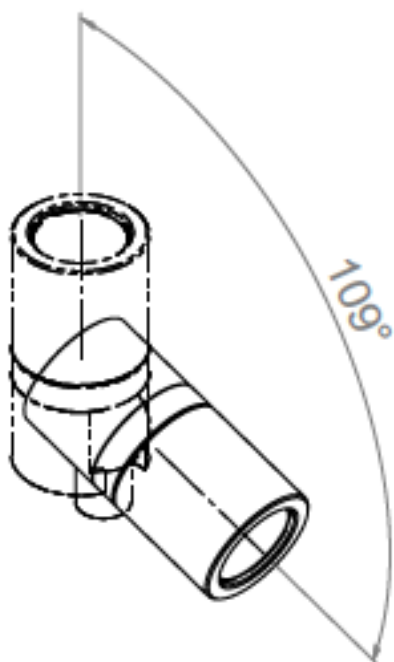
NANO12 • Plug • Holder • On-Plate • Magnetic



Simple version



Low Luminance version



Beyond 120°, cables may cause an inconvenience

All the connections have to be made before powering up,
otherwise the luminaires could be seriously damaged.

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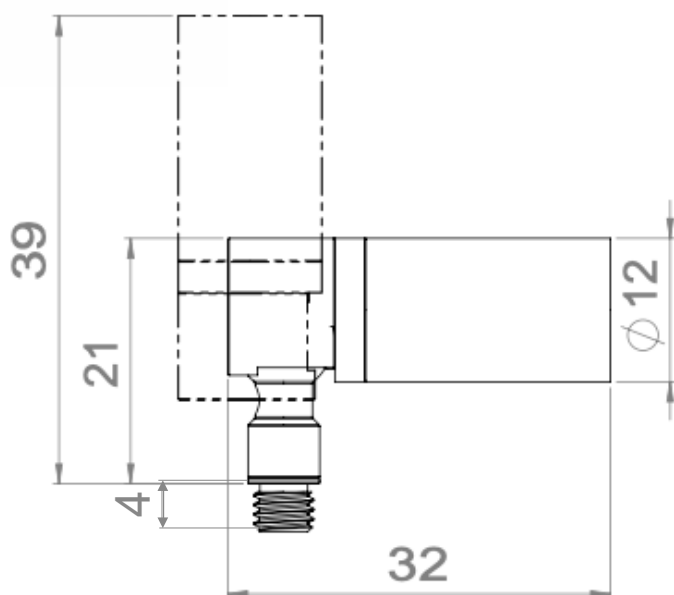
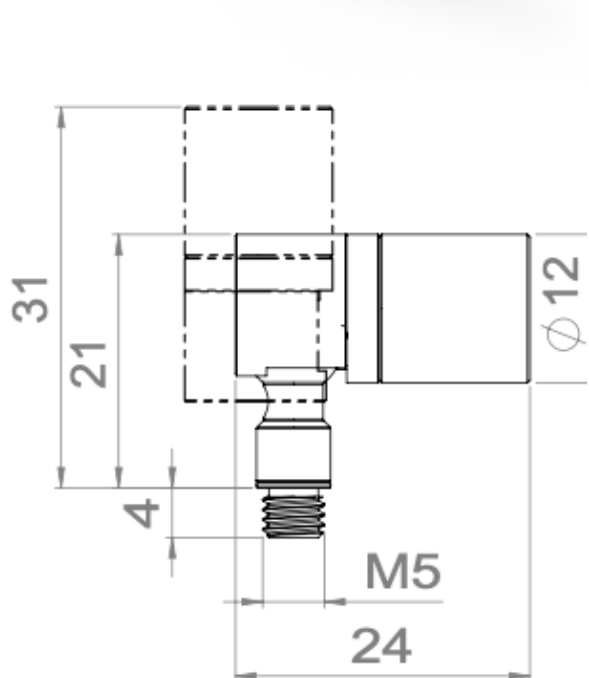
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NANO12 PLUG

Dimensions & Installation guide

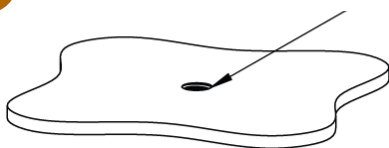


Installation guide

Base + seal to screw

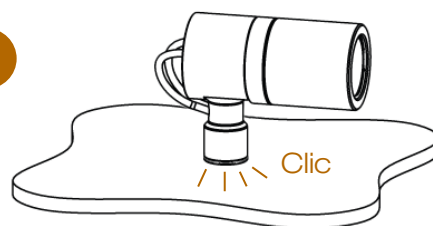
1

M5 fixation hole



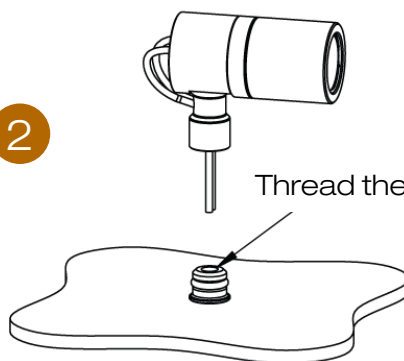
3

Clic



2

Thread the wires through the base



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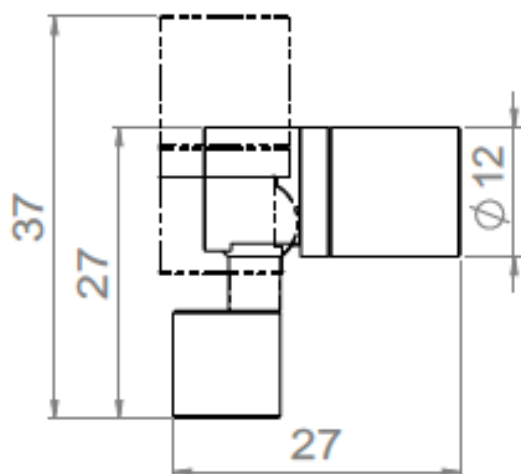
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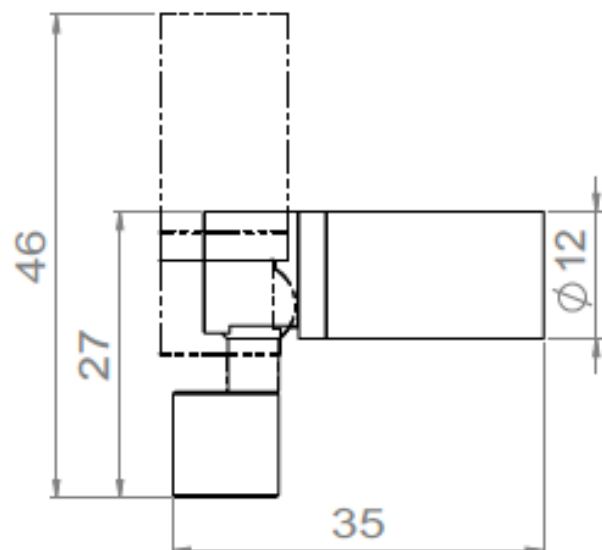
NANO12 HOLDER

Dimensions & Installation Guide

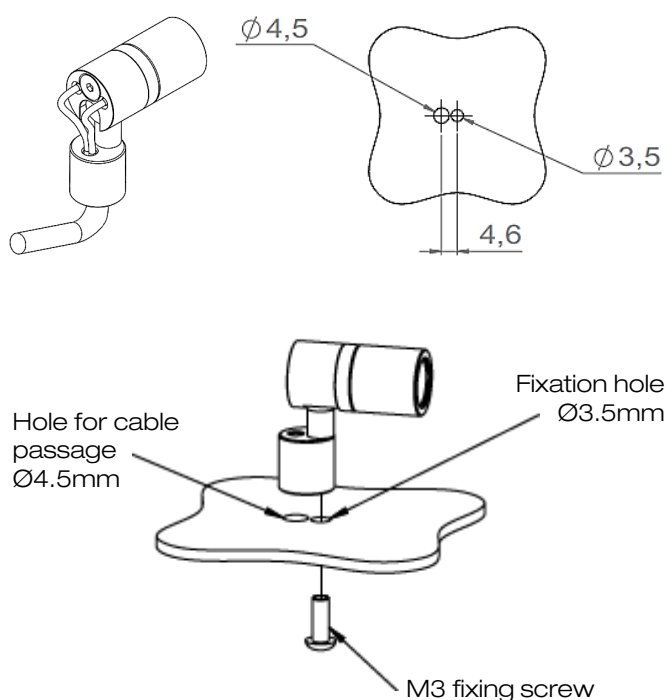
Simple version



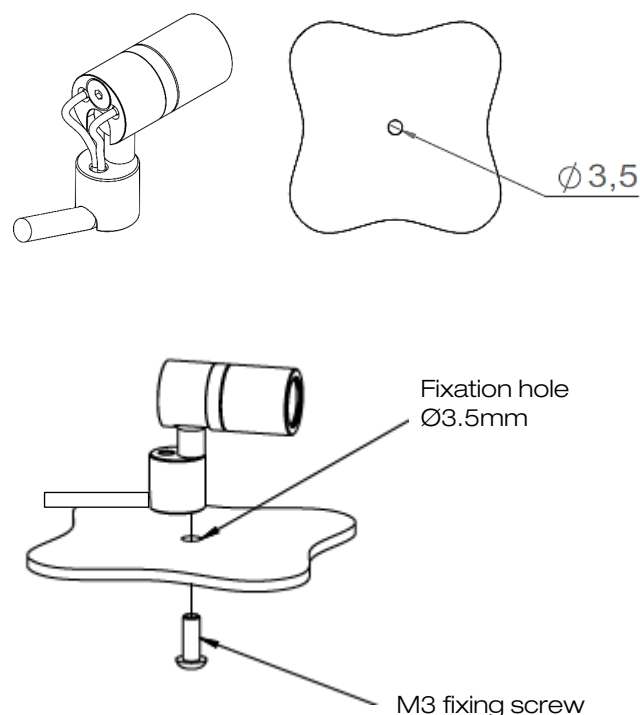
Low Luminance version



Installation guide
Cable output below



Installation guide
Cable output behind



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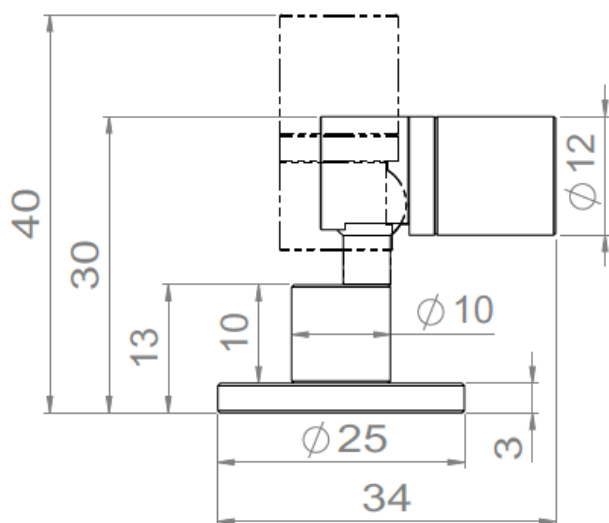
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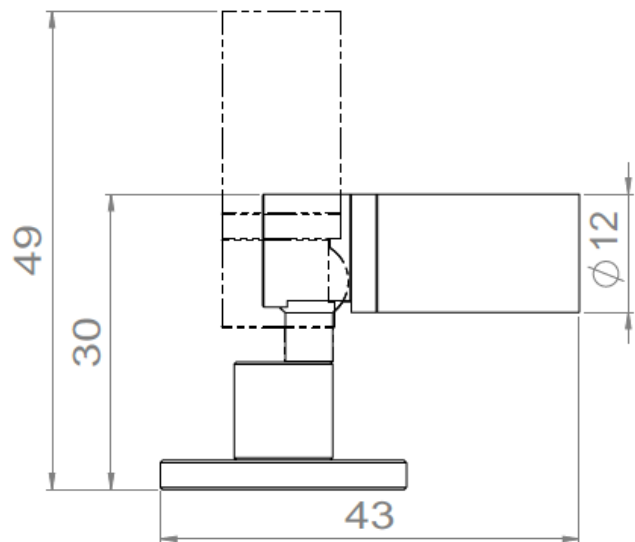
NANO12 ON-PLATE

Dimensions & Installation Guide

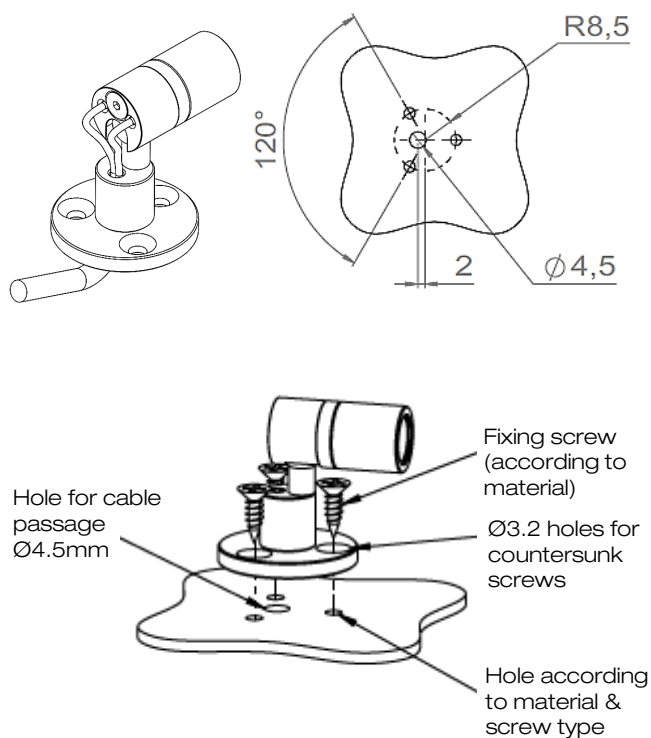
Simple version



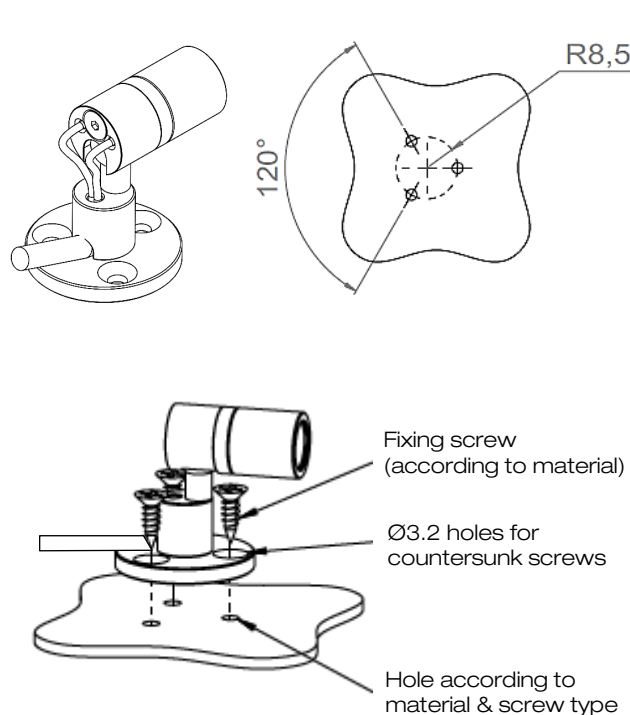
Low Luminance version



Installation guide
Cable output below



Installation guide
Cable output behind



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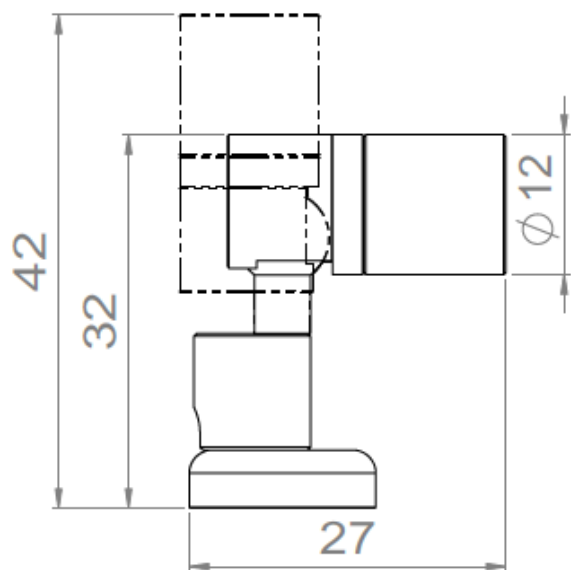
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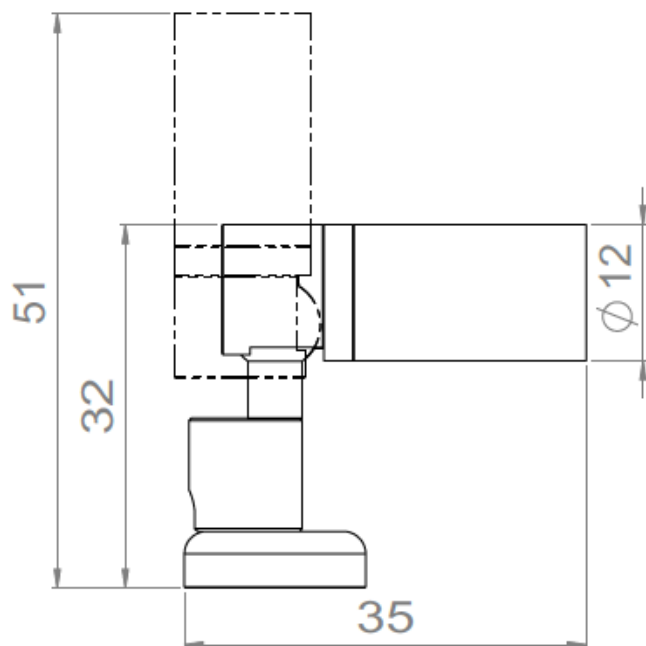
NANO12 MAGNETIC

Dimensions & Installation Guide

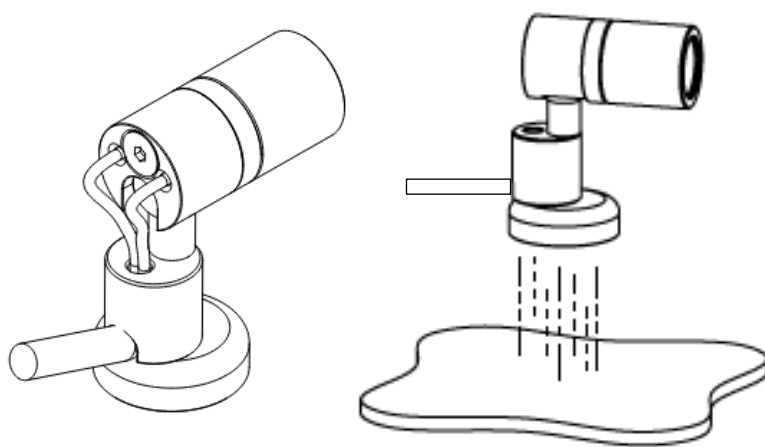
Simple version



Low Luminance version



Installation guide Cable output behind only



Install the spotlight on a metallic surface

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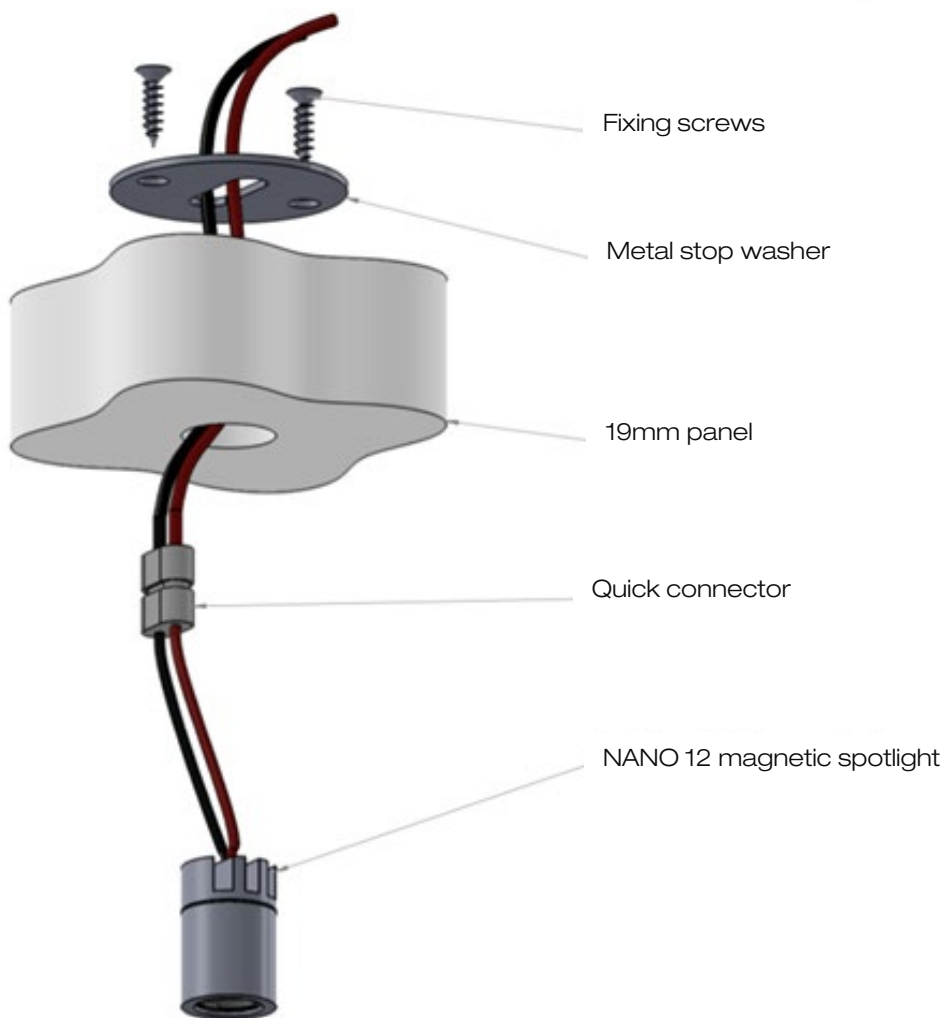
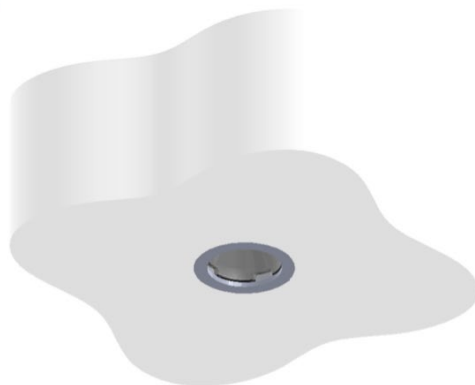
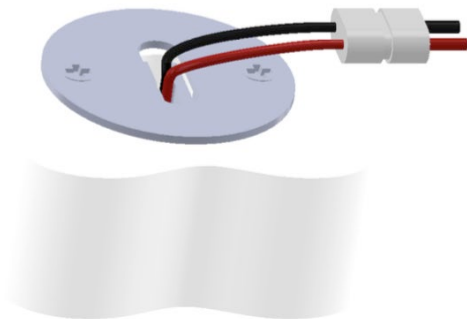
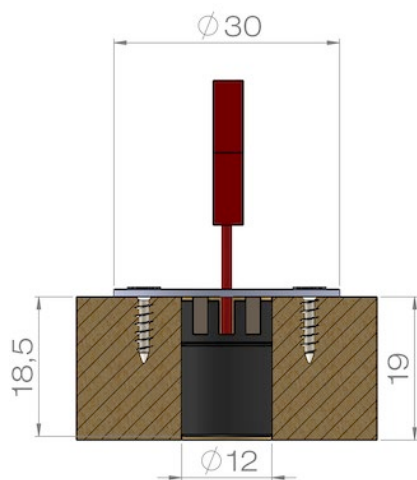
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NANO12 RECESSED MAGNETIC

Simple version



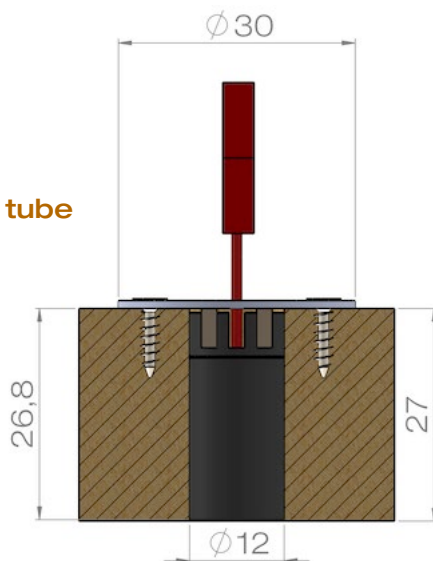
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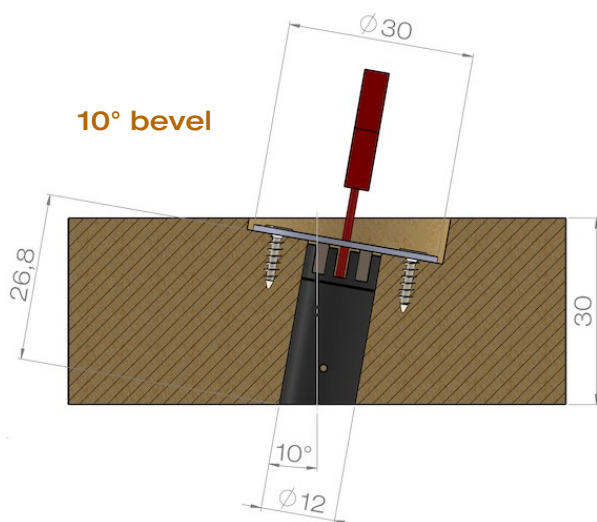
NANO12 RECESSED MAGNETIC

Low Luminance version

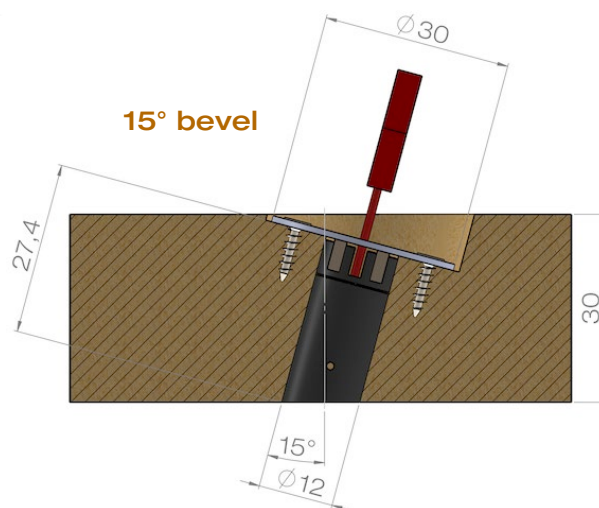
Straight tube



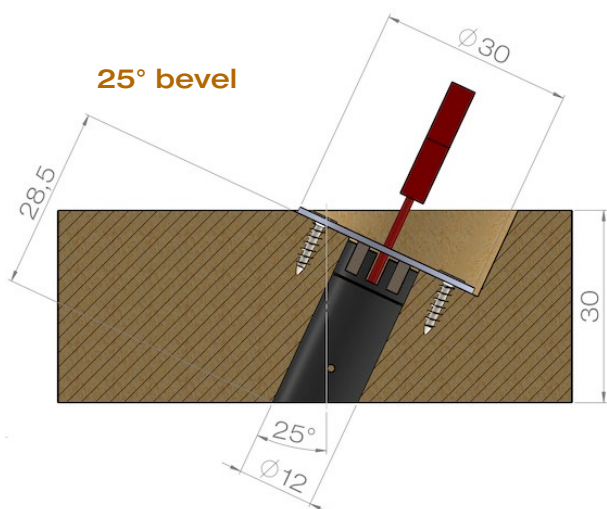
10° bevel



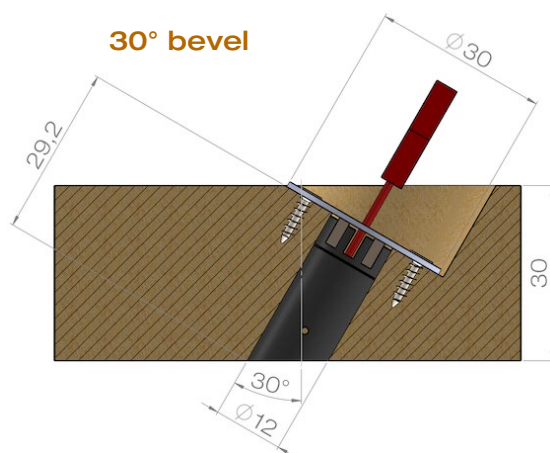
15° bevel



25° bevel



30° bevel



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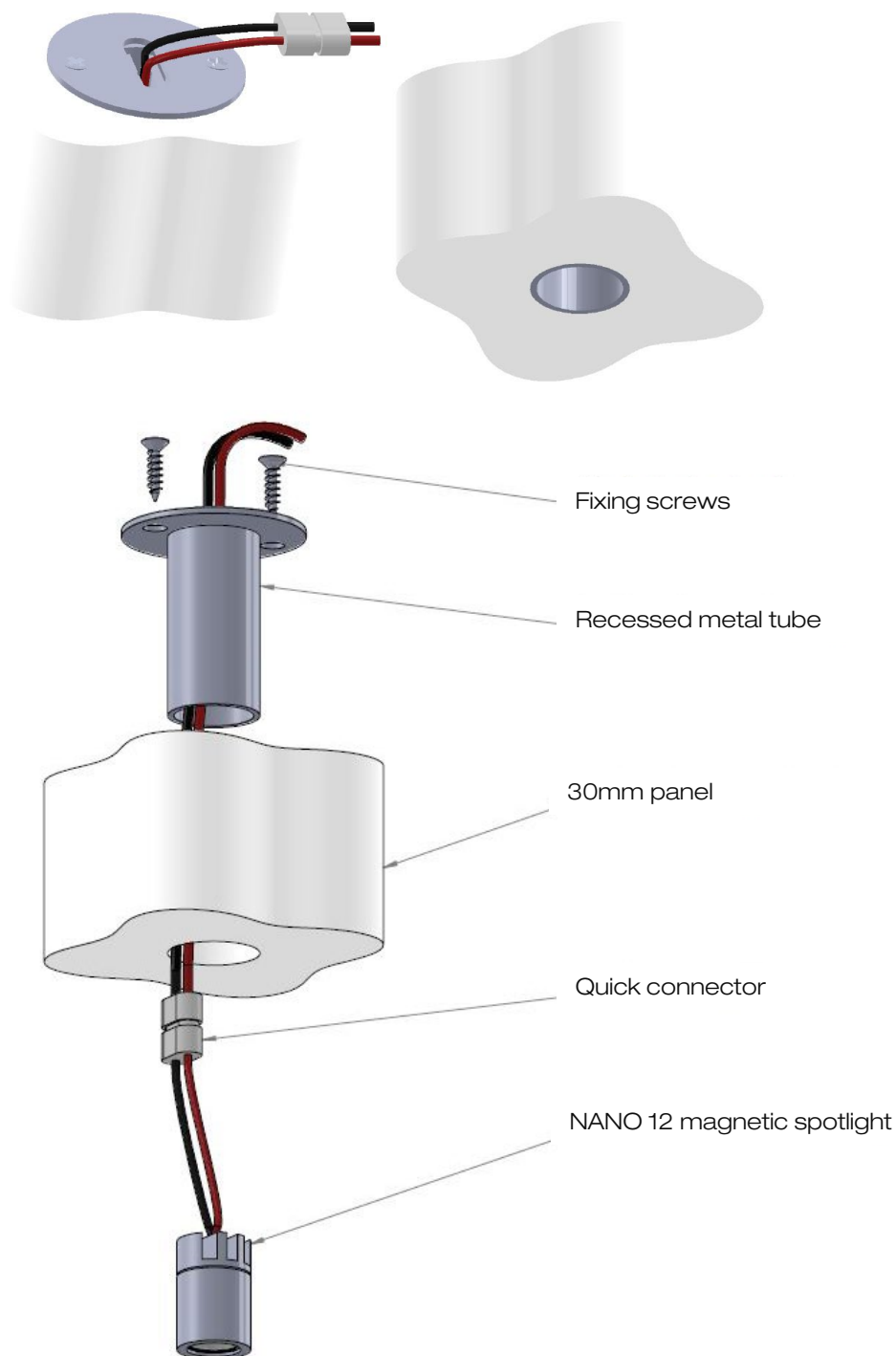
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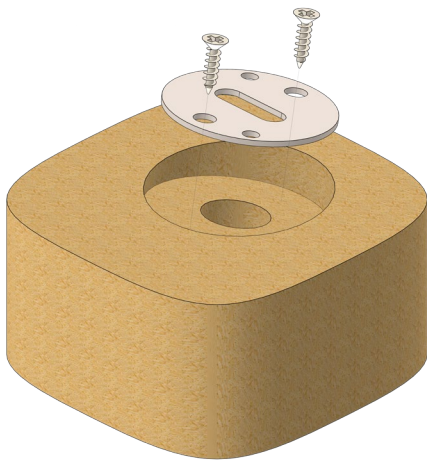
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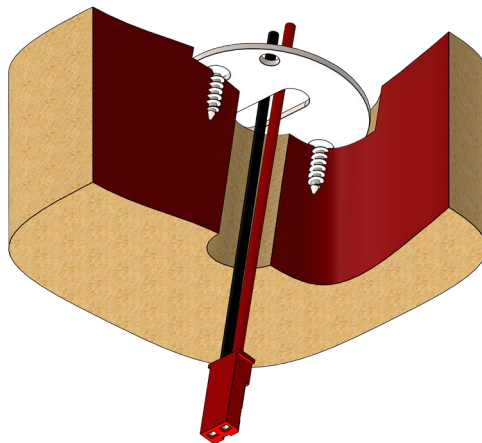
NANO12 RECESSED MAGNETIC

Simple & Low Luminance versions

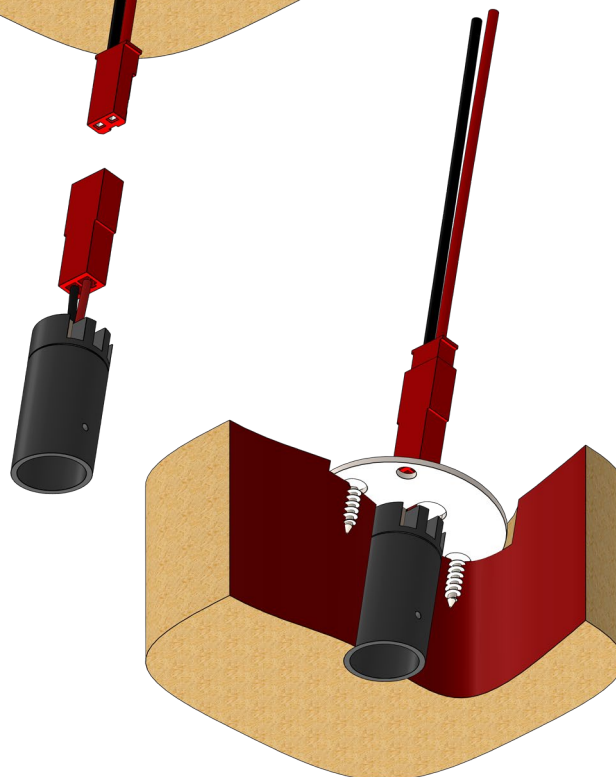
Installation from above



- 1 Make a hole in the surface according to the diameter of the spotlight to be installed, and screw the metal plate



- 2 Insert the driver's connection, or the extension cable, through the hole
Insert the spotlight from above and connect it to the cables using the quick connectors



- 3 Pull the spotlight up in order to fix it to the metal plate thanks to the magnets

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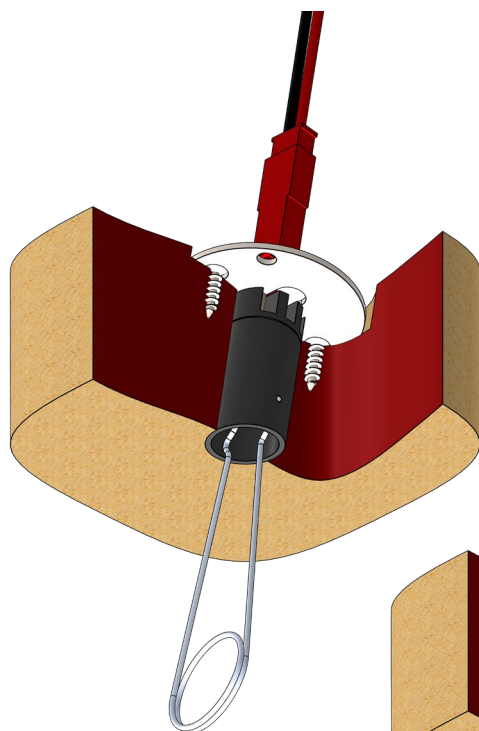
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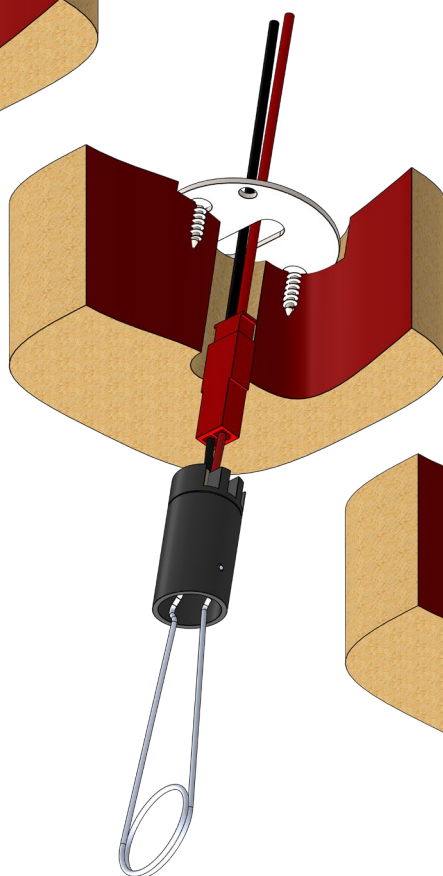
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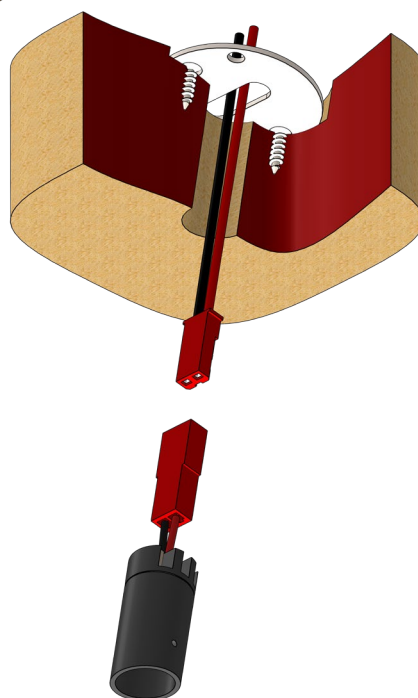
NANO12 RECESSED MAGNETIC Simple & Low Luminance Versions Replacement of a spotlight



1 Insert the extractor in the 2 holes of the spotlight



2 Pull the spotlight down thanks to the extractor, in order to remove it from its location



3 Disconnect the quick connector of the spotlight from the quick connector of the driver's cable/extension cable
Remove the spotlight

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