



LIGHT ENGINE configuration

CONSTANT CURRENT

230V



5W >
• 2700K
• 3000K
• D2W

5W >
• 2700K
• 3000K
• D2W

11W >
• 2700K
• 3000K
• D2W

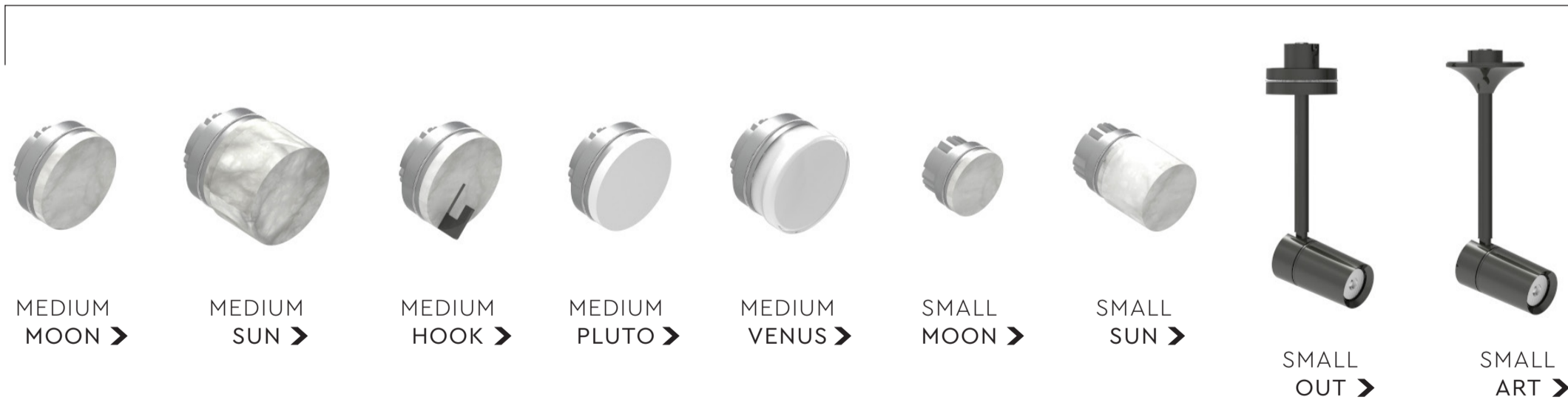
15W >
• 3000K

8W >
• 2700K
• 3000K
• D2W

MR11

MR16

INTEGRATED LIGHT ENGINES



MEDIUM MOON >

MEDIUM SUN >

MEDIUM HOOK >

MEDIUM PLUTO >

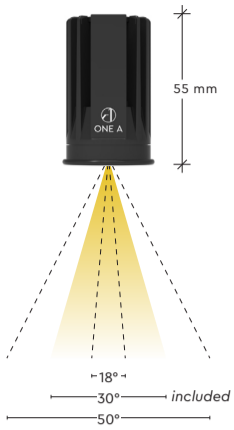
MEDIUM VENUS >

SMALL MOON >

SMALL SUN >

SMALL OUT >

SMALL ART >



LIGHT ENGINE

1AL.01.27***

SPECIFICATIONS
 Watt 5W
 Current 130mA
 CCT 2700K
 Lumen 423lm
 CRI 90+

[more info >](#)

1AL.01.30***

SPECIFICATIONS
 Watt 5W
 Current 130mA
 CCT 3000K
 Lumen 428lm
 CRI 90+

[more info >](#)



1AL.01.DW***

SPECIFICATIONS
 Watt 5W
 Current 270mA
 CCT 3000-1800K
 Lumen 386lm
 CRI 90+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS
 Watt 6W
 Current 130mA
 Mains voltage AC200-240V

[more info >](#)



1AD.130PC06

SPECIFICATIONS
 Watt 6W
 Current 130mA
 Mains voltage AC200-240V

[more info >](#)



1AD.270PC06

SPECIFICATIONS
 Watt 6W
 Current 270mA
 Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.130

SPECIFICATIONS
 Watt 18W
 Current 130mA
 Mains voltage AC220-240V

[more info >](#)



1AD.1050DA15.130

SPECIFICATIONS
 Watt 18W
 Current 130mA
 Mains voltage AC220-240V

[more info >](#)



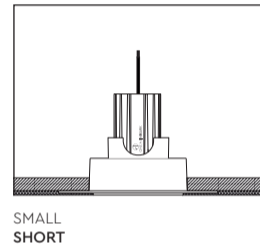
1AD.1050DA15.270

SPECIFICATIONS
 Watt 18W
 Current 270mA
 Mains voltage AC220-240V

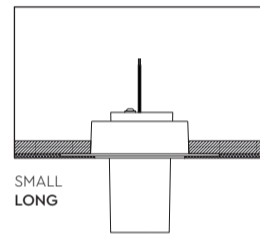
[more info >](#)

SUITABLE PRODUCTS & INSTALLATION DEPTHS

100 mm



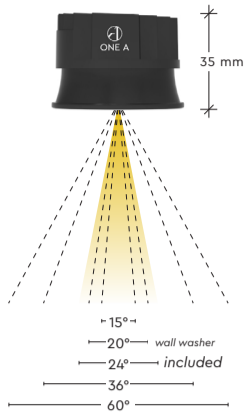
70 mm**



* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.

** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.

*** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



LIGHT ENGINE

1AL.30.27***

SPECIFICATIONS
 Watt 5W
 Current 130mA
 CCT 2700K
 Lumen 492lm
 CRI 90+

[more info >](#)

1AL.30.30***

SPECIFICATIONS
 Watt 5W
 Current 130mA
 CCT 3000K
 Lumen 528lm
 CRI 90+

[more info >](#)

1AL.30.DW***

SPECIFICATIONS
 Watt 5W
 Current 270mA
 CCT 3000-2000K
 Lumen 398lm
 CRI 95+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS
 Watt 6W
 Current 130mA
 Mains voltage AC200-240V

[more info >](#)



1AD.130PC06

SPECIFICATIONS
 Watt 6W
 Current 130mA
 Mains voltage AC200-240V

[more info >](#)



1AD.270PC06

SPECIFICATIONS
 Watt 6W
 Current 270mA
 Mains voltage AC200-240V

[more info >](#)



SUITABLE DALI DRIVERS

1AD.1050DA15.130

SPECIFICATIONS
 Watt 18W
 Current 130mA
 Mains voltage AC220-240V

[more info >](#)



1AD.1050DA15.130

SPECIFICATIONS
 Watt 18W
 Current 130mA
 Mains voltage AC220-240V

[more info >](#)



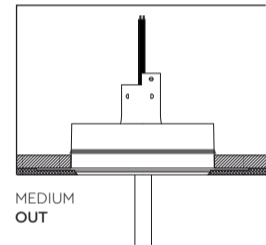
1AD.1050DA15.270

SPECIFICATIONS
 Watt 18W
 Current 270mA
 Mains voltage AC220-240V

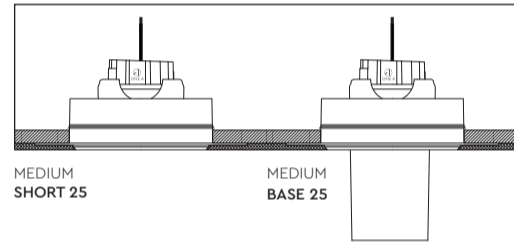
[more info >](#)

SUITABLE PRODUCTS & INSTALLATION DEPTHS

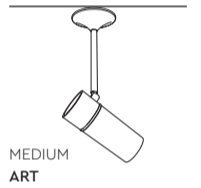
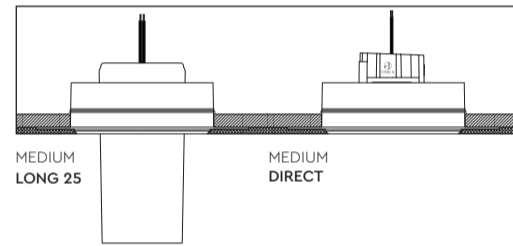
100 mm



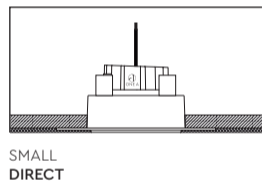
90 mm



70mm / 90 mm*



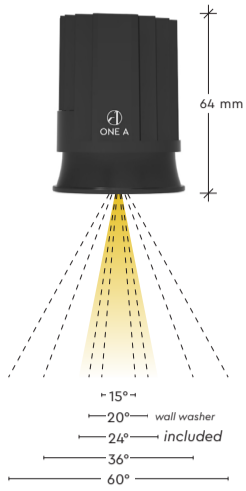
70mm**



* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.

** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.

*** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



LIGHT ENGINE

1AL.34.27***

SPECIFICATIONS
 Watt 11W
 Current 300mA
 CCT 2700K
 Lumen 965lm
 CRI 90+

[more info >](#)

1AL.34.30***

SPECIFICATIONS
 Watt 11W
 Current 300mA
 CCT 3000K
 Lumen 1189lm
 CRI 90+

[more info >](#)

1AL.34.DW***

SPECIFICATIONS
 Watt 11W
 Current 300mA
 CCT 3000-2000K
 Lumen 886lm
 CRI 95+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.300PC13

SPECIFICATIONS
 Watt 13W
 Current 300mA
 Mains voltage AC200-240V

[more info >](#)



1AD.300PC13

SPECIFICATIONS
 Watt 13W
 Current 300mA
 Mains voltage AC200-240V

[more info >](#)



1AD.300PC13

SPECIFICATIONS
 Watt 13W
 Current 300mA
 Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.300

SPECIFICATIONS
 Watt 18W
 Current 300mA
 Mains voltage AC220-240V

[more info >](#)



1AD.1050DA15.300

SPECIFICATIONS
 Watt 18W
 Current 300mA
 Mains voltage AC220-240V

[more info >](#)



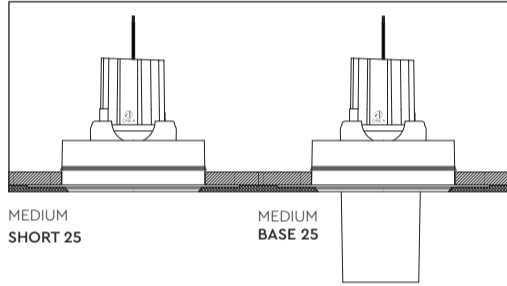
1AD.1050DA15.300

SPECIFICATIONS
 Watt 18W
 Current 300mA
 Mains voltage AC220-240V

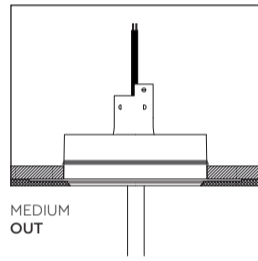
[more info >](#)

SUITABLE PRODUCTS & INSTALLATION DEPTHS

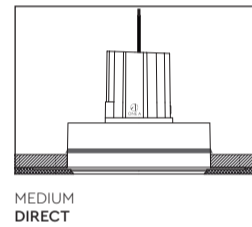
120 mm



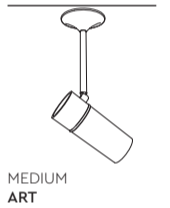
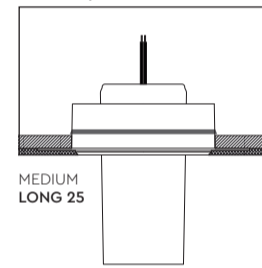
100 mm



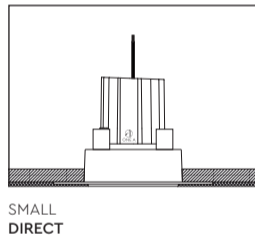
90 mm



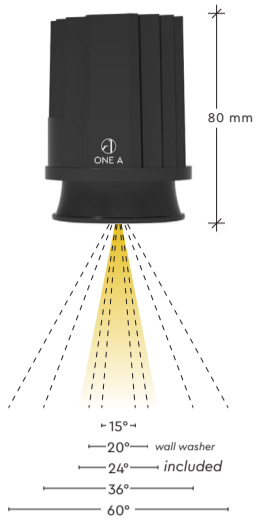
70mm / 90 mm*



100 mm



* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.
 ** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.
 *** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



LIGHT ENGINE

1AL.38.30***

SPECIFICATIONS
 Watt 15W
 Current 420mA
 CCT 3000K
 Lumen 1464lm
 CRI 95+

[more info >](#)

SUITABLE PHASECUT DRIVER



1AD.420PC18

SPECIFICATIONS
 Watt 18W
 Current 420mA
 Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVER



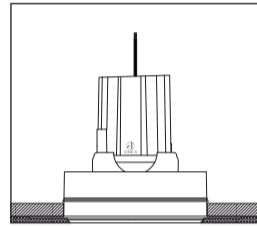
1AD.1050DA15.420

SPECIFICATIONS
 Watt 18W
 Current 420mA
 Mains voltage AC220-240V

[more info >](#)

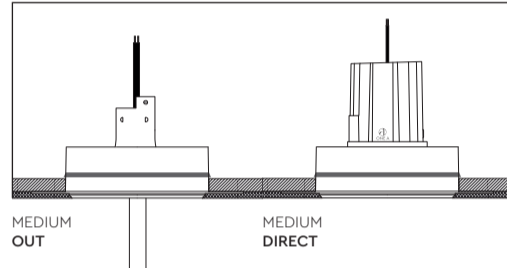
SUITABLE PRODUCTS & INSTALLATION DEPTHS

130 mm



MEDIUM
SHORT 25

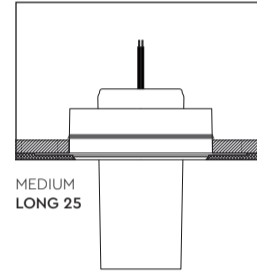
100 mm



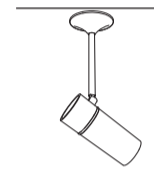
MEDIUM
OUT

MEDIUM
DIRECT

70 mm / 90 mm*

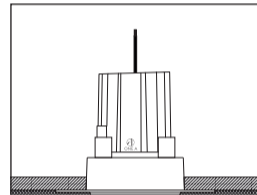


MEDIUM
LONG 25



MEDIUM
ART

110 mm

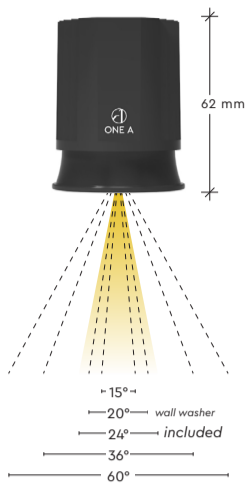


SMALL
DIRECT

* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.

** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.

*** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



LIGHT ENGINE

1AL.20.27

SPECIFICATIONS
 Watt 8W
 Voltage AC200-240V
 CCT 2700K
 Lumen 704lm
 CRI 90+

[more info >](#)

1AL.20.30

SPECIFICATIONS
 Watt 8W
 Voltage AC200-240V
 CCT 3000K
 Lumen 725lm
 CRI 90+

[more info >](#)

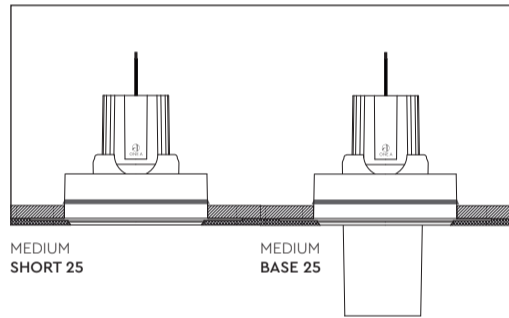
1AL.20.DW

SPECIFICATIONS
 Watt 8W
 Voltage AC200-240V
 CCT 3000-2000K
 Lumen 507lm
 CRI 95+

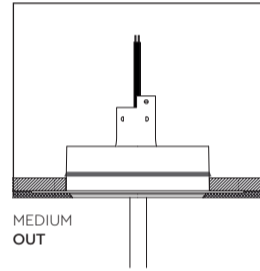
[more info >](#)

SUITABLE PRODUCTS & INSTALLATION DEPTHS

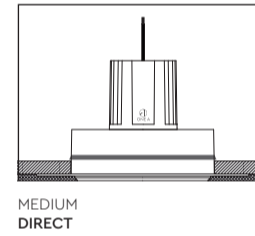
120 mm



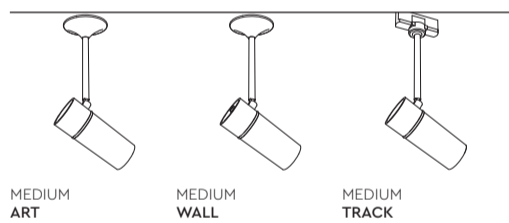
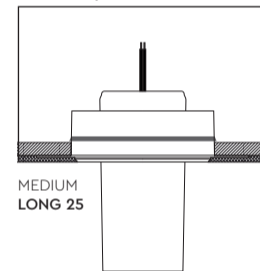
100 mm



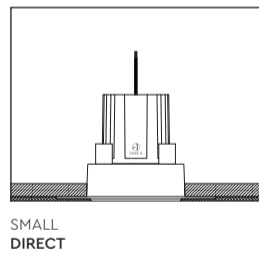
90 mm



70 mm / 90 mm*



100 mm



* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.
 ** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.
 *** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



MEDIUM MOON

DIMMABLE
1A01.0108.3265***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500K
CRI 90+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

DIM TO WARM
1A01.0108.3266***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500-2000K
CRI 90+

[more info >](#)



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.130

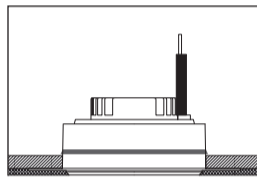
SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

INSTALLATION DEPTHS

70 mm / 90 mm*



MEDIUM
MOON



MEDIUM SUN

DIMMABLE
1A01.0113.3265***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500K
CRI 90+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

DIM TO WARM
1A01.0113.3266***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500-2000K
CRI 90+

[more info >](#)



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.130

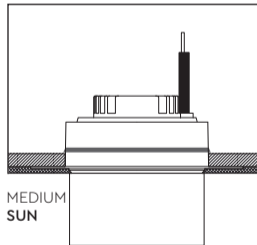
SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

INSTALLATION DEPTHS

70 mm / 90 mm*



MEDIUM
SUN

* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.

** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.

*** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



MEDIUM HOOK

DIMMABLE
1A01.0109.XX65***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500K
CRI 90+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

DIM TO WARM
1A01.0109.XX66***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500-2000K
CRI 90+

[more info >](#)



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.130

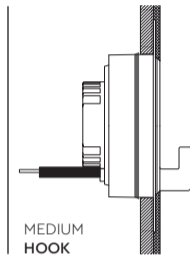
SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

INSTALLATION DEPTHS

70 mm / 90 mm*



MEDIUM
HOOK



MEDIUM PLUTO

DIMMABLE
1A01.0130.6265***

SPECIFICATIONS

Watt 8W
Current 210mA
CCT 2700K
CRI 90+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.210PC09

SPECIFICATIONS

Watt 9W
Current 210mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.210

SPECIFICATIONS

Watt 18W
Current 210mA
Mains voltage AC220-240V

[more info >](#)

DIM TO WARM
1A01.0130.6266***

SPECIFICATIONS

Watt 8W
Current 210mA
CCT 2700-2000K
CRI 90+

[more info >](#)



1AD.210PC09

SPECIFICATIONS

Watt 9W
Current 210mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.210

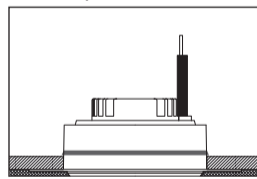
SPECIFICATIONS

Watt 18W
Current 210mA
Mains voltage AC220-240V

[more info >](#)

INSTALLATION DEPTHS

70 mm / 90 mm*



MEDIUM
PLUTO

* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.

** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.

*** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



MEDIUM VENUS

DIMMABLE
1A01.0131.6265***

SPECIFICATIONS

Watt 8W
Current 210mA
CCT 2700K
CRI 90+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.210PC09

SPECIFICATIONS

Watt 9W
Current 210mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.210

SPECIFICATIONS

Watt 18W
Current 210mA
Mains voltage AC220-240V

[more info >](#)

DIM TO WARM
1A01.0131.6266***

SPECIFICATIONS

Watt 8W
Current 210mA
CCT 2700-2000K
CRI 90+

[more info >](#)



1AD.210PC09

SPECIFICATIONS

Watt 9W
Current 210mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.210

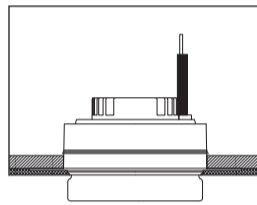
SPECIFICATIONS

Watt 18W
Current 210mA
Mains voltage AC220-240V

[more info >](#)

INSTALLATION DEPTHS

70 mm / 90 mm*



MEDIUM
PLUTO



SMALL MOON

DIMMABLE
1A00.0108.3265***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500K
CRI 90+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

DIM TO WARM
1A00.0108.3266***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500-2000K
CRI 90+

[more info >](#)



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.130

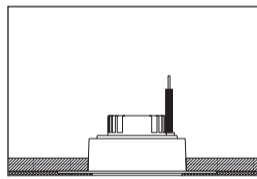
SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

INSTALLATION DEPTHS

70 mm**



SMALL
MOON

* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.

** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.

*** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



SMALL SUN

DIMMABLE
1A00.0113.3265***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500K
CRI 90+

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

DIM TO WARM

1A01.0113.3266***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2500-2000K
CRI 90+

[more info >](#)



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.130

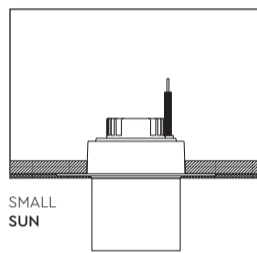
SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

INSTALLATION DEPTHS

70 mm**



SMALL SUN



SMALL OUT

DIMMABLE
1A00.0160.XX65***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2700K
CRI 90+
Optic 30°
Optional optics 1AL.B01 (18°) / 1AL.B03 (50°)

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

DIMMABLE

1A00.0160.XX67***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 3000K
CRI 90+
Optic 30°
Optional optics 1AL.B01 (18°) / 1AL.B03 (50°)

[more info >](#)



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)

DIM TO WARM

1A00.0160.XX66***

SPECIFICATIONS

Watt 5W
Current 270mA
CCT 3000-2000K
CRI 90+
Optic 24°

[more info >](#)



1AD.270PC06

SPECIFICATIONS

Watt 6W
Current 270mA
Mains voltage AC200-240V

[more info >](#)



1AD.1050DA15.270

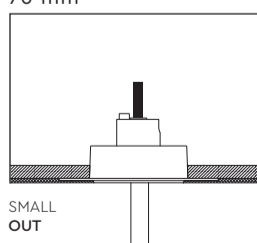
SPECIFICATIONS

Watt 18W
Current 270mA
Mains voltage AC220-240V

[more info >](#)

INSTALLATION DEPTHS

70 mm



SMALL OUT

* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.

** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.

*** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.



SMALL ART

DIMMABLE
1A00.0155.XX65***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 2700K
CRI 90+
Optic 30°
Optional optics 1AL.B01 (18°) / 1AL.B03 (50°)

[more info >](#)

DIMMABLE
1A00.0155.XX67***

SPECIFICATIONS

Watt 5W
Current 130mA
CCT 3000K
CRI 90+
Optic 30°
Optional optics 1AL.B01 (18°) / 1AL.B03 (50°)

[more info >](#)

DIM TO WARM
1A00.0155.XX66***

SPECIFICATIONS

Watt 5W
Current 270mA
CCT 3000-2000K
CRI 90+
Optic 24°

[more info >](#)

SUITABLE PHASECUT DRIVERS



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)



1AD.130PC06

SPECIFICATIONS

Watt 6W
Current 130mA
Mains voltage AC200-240V

[more info >](#)



1AD.270PC06

SPECIFICATIONS

Watt 6W
Current 270mA
Mains voltage AC200-240V

[more info >](#)

SUITABLE DALI DRIVERS



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)



1AD.1050DA15.130

SPECIFICATIONS

Watt 18W
Current 130mA
Mains voltage AC220-240V

[more info >](#)



1AD.1050DA15.270

SPECIFICATIONS

Watt 18W
Current 270mA
Mains voltage AC220-240V

[more info >](#)

* In combination with Back-Mounted Ring (and entrance for junction box) - Installation depth can be reduced to 70mm if heat shrink crimping cable connection is used.

** Installation depth can be reduced to 55mm if heat shrink crimping cable connection is used.

*** SELV driver required, external location is recommended. If driver is to be placed local, please be aware of inlet diameter of installation ring and build in depth, in order for driver to enter the installation ring. Do NOT cover the LED driver or place LED driver on top of fixture/light source.

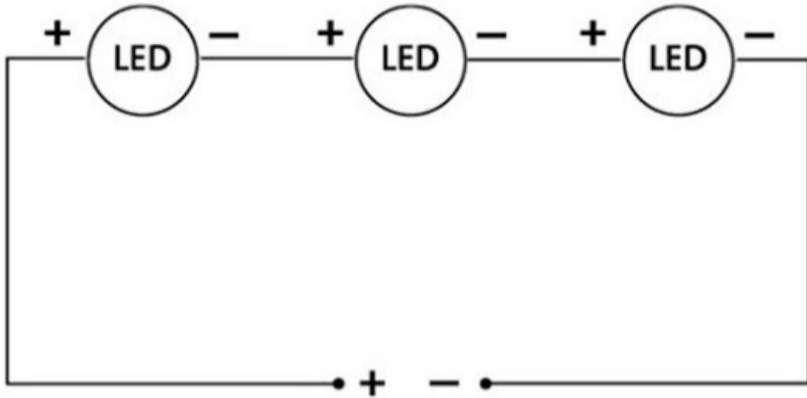
MULTIPLE CONNECTION CHART

These charts visualize multiple connections and the risks involved when using these installation methods.
ONE A does not recommend multiple connection installation methods due to risk of unpredictable output and overload.
ONE A recommends one driver per LED light engine (or one driver channel in case of a multi-channel driver)

SERIES CONNECTION

Current = LED current

Voltage = LED forward voltage x no. of LEDs



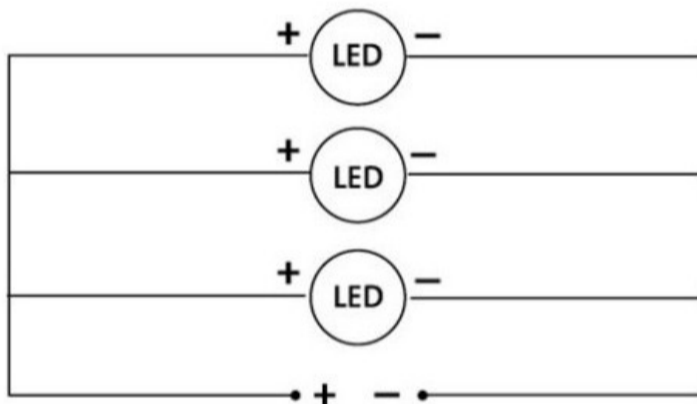
If one LED is broken the remaining LEDs will not work – due to inner circuit.
You have to check the LEDs one by one to find which LED has failed and needs to be replaced.

Challenge: the sum of forward voltages for multiple LEDs can easily exceed the max. voltage of the driver, as most drivers have a max. of 60V

PARALLEL CONNECTION

Current = LED current x no. of LEDs

Voltage = LED forward voltage



If one LED is broken, the remaining LEDs will have a higher current, which will result in failure.

You can instantly see which LED is broken, and therefore which one needs to be replaced.

Challenge: In case of current overload, the lifetime of the remaining LEDs will be exponentially reduced.