


RIM LINEAR

Pendant - Remote Driver Box (RDB) - Multiple Canopies


LUMENWERX

OVERVIEW

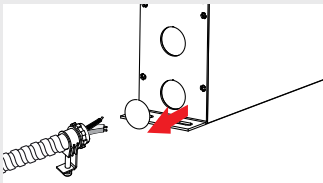
 This product must be installed in accordance with the National Electrical Code and all applicable local codes, by a person familiar with the construction and operation of the product, and the hazards involved. Proper grounding is required for safety.

Ce produit doit être installé suivant le code national de l'électricité, ainsi que tous les codes locaux applicables, par une personne familière avec la construction et le fonctionnement du produit, ainsi que tous les risques qui y sont associés. La mise à terre électrique est obligatoire pour la sécurité.

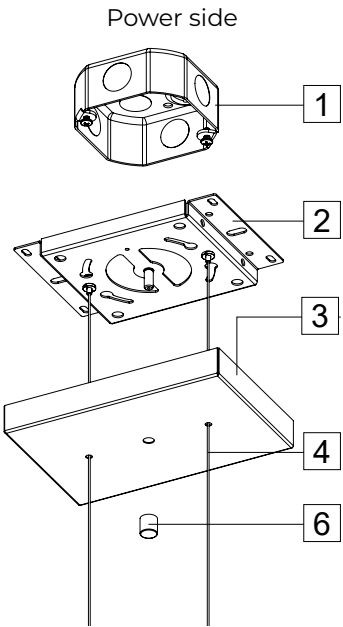
 Wire dimming conductors as Class 1.

 For electrical connections, follow the wiring diagrams on page 8 and 9 according to specified drivers in product configuration.

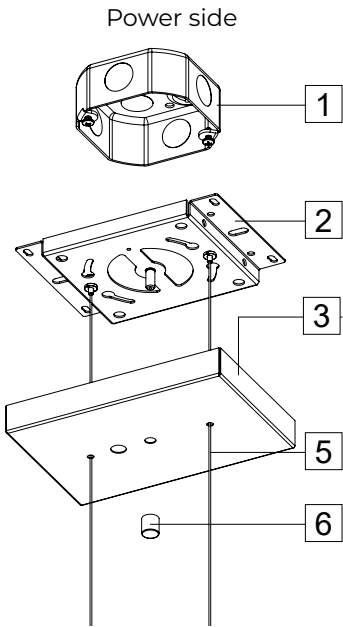
 For remote driver box, please refer to the [remote driver installation sheet](#) for more information.



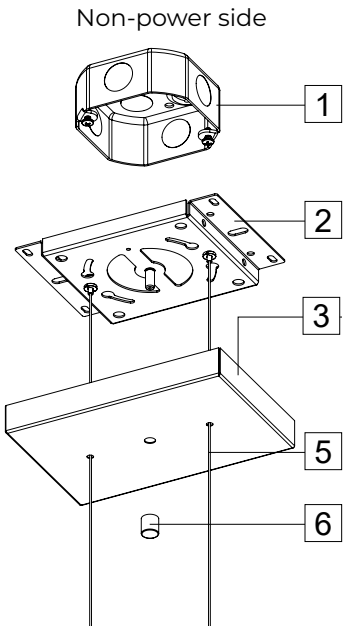
POC
Power-over-aircraft cable



AC
Power cable + aircraft cable



POC / AC



Index

Go to pages related to product configuration.

POC.....	P.2
AC	P.4
Non-power side	P.6
Continuous system	P.7
Wiring diagrams.....	P.8

Items list

1	Standard J-box (by others)
2	Mounting plate
3	Canopy
4	Power-over-aircraft cable
5	Aircraft cable
6	Decorative nut

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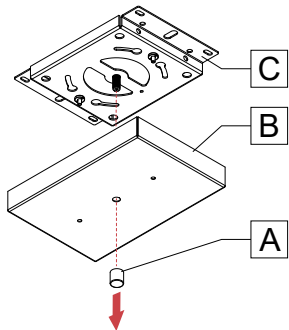
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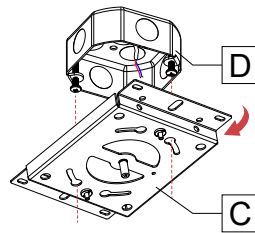
POC (Power-over-aircraft cable)

1 PREPARE MOUNTING POINTS.

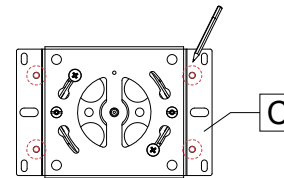
Loosen the decorative nut [A] on the canopy [B]. Separate the canopy [B] from the mounting plate [C].



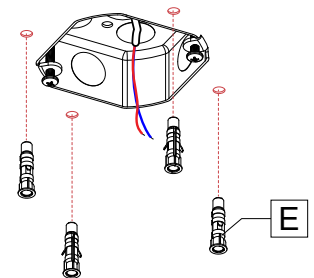
Fix the mounting plate [C] on the junction box [D].



Use the mounting plate [C] as a model to mark 4 holes.



Remove the mounting plate. Drill holes (1/4" diameter) following the red marks. Install #8 screw anchors [E].

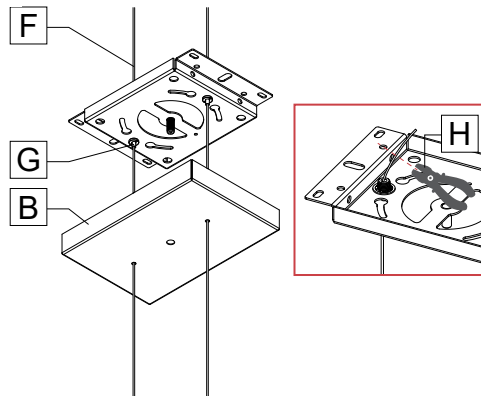


2 INSTALL AIRCRAFT CABLES.

Pass the aircraft cables [F] through the canopy [B]. Insert them into the griplocks [C]. Adjust the cables by pushing the feeder tube [G].

Cut the excess cables with an aircraft cable cutter [H].

Notes: Height adjustment of the fixture must be done at this step. Leave POC (power-over-aircraft cable) length of 1.5" to make the connection inside the junction-box.

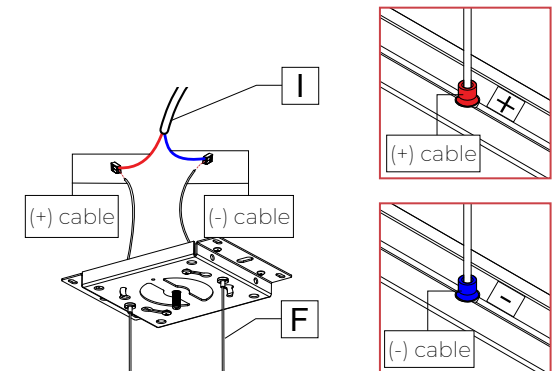


3 MAKE ELECTRICAL CONNECTIONS.

Make electrical connections between POC (power-over-aircraft cable) [F] and the remote driver feed [I].

Notes: Make sure that you are connecting the negative (-) POC (as mark on the fixture with blue color and a label) to your negative wire and the positive (+) POC (as mark on the fixture with red color and a label) to your positive wire.

Warning: A luminaire with more than one power supply connection means shall be connected to only one branch circuit.



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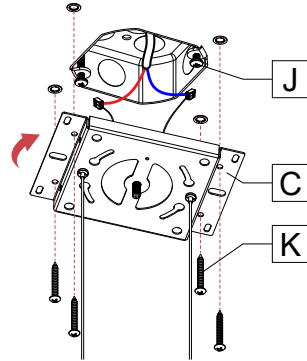
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4 FIX MOUNTING PLATE TO CEILING.

Tighten the two screws [J] to secure the mounting plate [C] to the junction box.

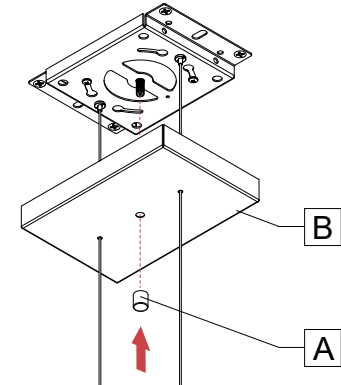
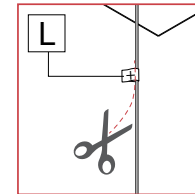
Use #8 screws [K] to fasten the mounting plate [C] to the ceiling.



5 REINSTALL CANOPY.

Put the canopy [B] back in place and fix using the decorative nut [A].

Cut the labels [L] off the wires.



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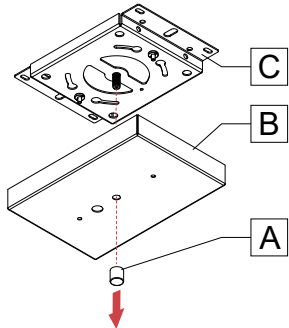
Pendant - Remote Driver Box (RDB) - Multiple Canopies

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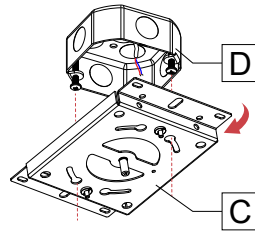
AC (Power cord + aircraft cable)

1 PREPARE MOUNTING POINTS.

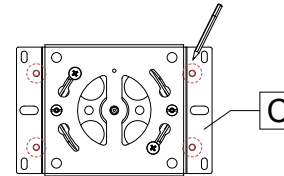
Loosen the decorative nut [A] on the canopy [B]. Separate the canopy [B] from the mounting plate [C].



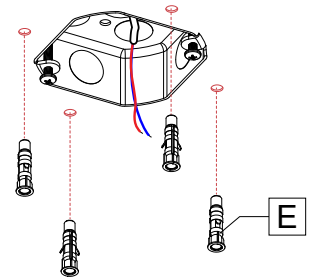
Fix the mounting plate [C] on the junction box [D].



Use the mounting plate [C] as a model to mark 4 holes.



Remove the mounting plate. Drill holes (1/4" diameter) following the red marks. Install #8 screw anchors [E].

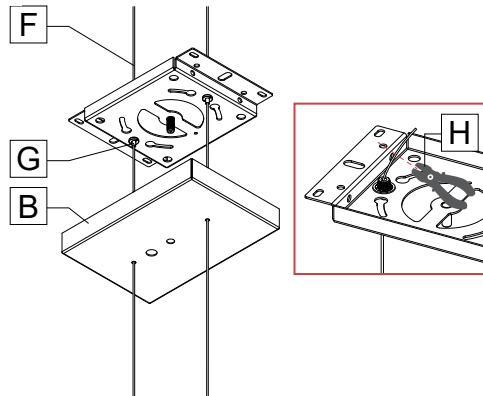


2 INSTALL AIRCRAFT CABLES.

Pass the aircraft cables [F] through the canopy [B]. Insert them into the griplocks [G]. Adjust the cables by pushing the feeder tube [C].

Cut the excess cables with an aircraft cable cutter [H].

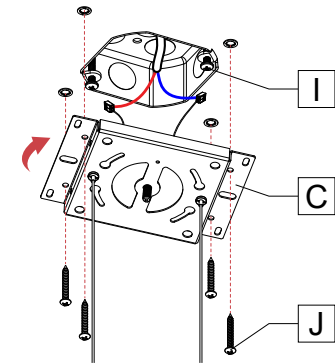
Notes: Height adjustment of the fixture must be done at this step.



3 FIX MOUNTING PLATE TO CEILING.

Tighten the two screws [I] to secure the mounting plate [C] to the junction box.

Use #8 screws [J] to fasten the mounting plate [C] to the ceiling.



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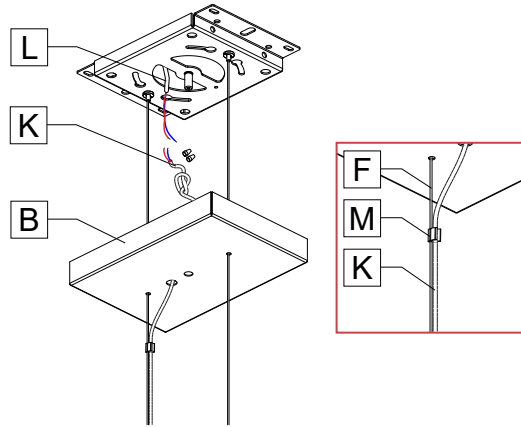
4 MAKE ELECTRICAL CONNECTIONS.

Pass the power cord [K] into the canopy [B] and make a knot.

Make electrical connections between the power cord [K] and the remote driver feed [L].

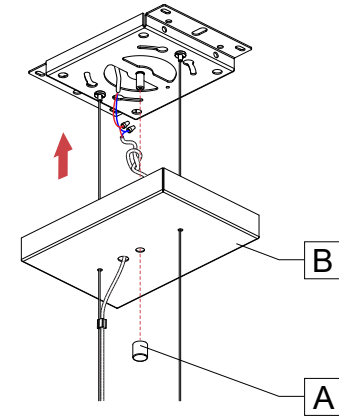
Secure the power cord [K] to the aircraft cable [F] using plastic clip [M].

Warning: A luminaire with more than one power supply connection means shall be connected to only one branch circuit.



5 REINSTALL CANOPY.

Put the canopy [B] back in place and fix using the decorative nut [A].



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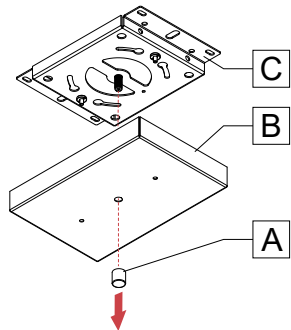
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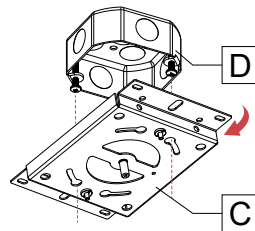
Non-power side

1 PREPARE MOUNTING POINTS.

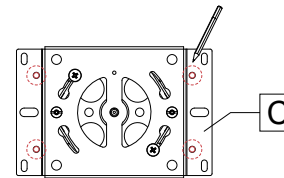
Loosen the decorative nut [A] on the canopy [B]. Separate the canopy [B] from the mounting plate [C].



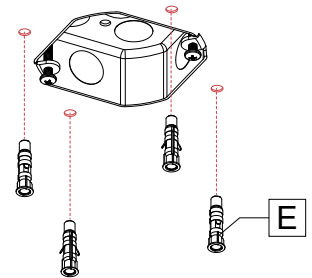
Fix the mounting plate [C] on the junction box [D].



Use the mounting plate [C] as a model to mark 4 holes.



Remove the mounting plate. Drill holes (1/4" diameter) following the red marks. Install #8 screw anchors [E].

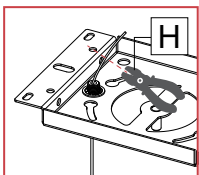
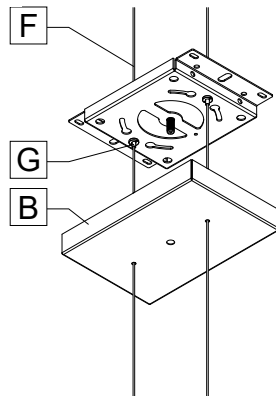


2 INSTALL AIRCRAFT CABLES.

Pass the aircraft cables [F] through the canopy [B]. Insert them into the griplocks [G]. Adjust the cables by pushing the feeder tube [G].

Cut the excess cables with an aircraft cable cutter [H].

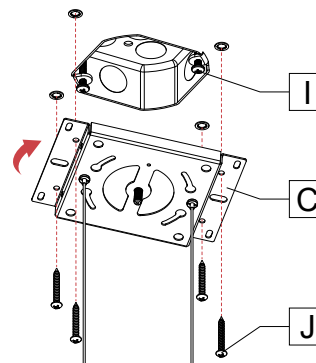
Notes: Height adjustment of the fixture must be done at this step.



3 FIX MOUNTING PLATE TO CEILING.

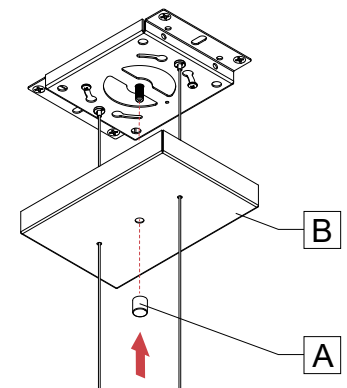
Tighten the two screws [I] to secure the mounting plate [C] to the junction box.

Use #8 screws [J] to fasten the mounting plate [C] to the ceiling.



4 REINSTALL CANOPY.

Put the canopy [B] back in place and fix using the decorative nut [A].



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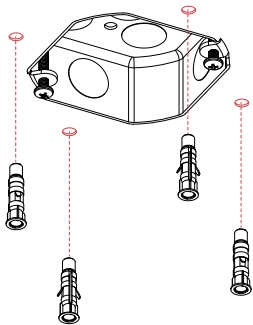
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CONTINUOUS SYSTEM

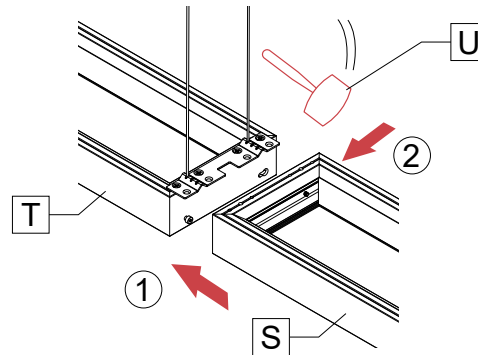
1 FIX CANOPY TO CEILING.

For a continuous system, repeat the steps related to the mounting type to fix all the other canopies in the run to the ceiling.



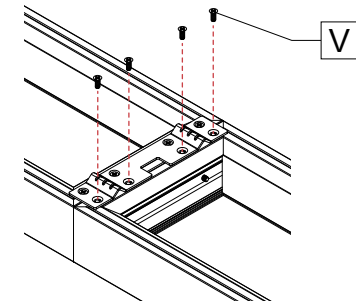
2 JOIN FIXTURES.

Slide the second fixture [S] into the first fixture [T]. Lock them together using a mallet [U].



3 SECURE FIXTURES.

Secure all fixtures with screws [V].



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WIRING DIAGRAMS (1 Circuit)

For electrical connections, follow the wiring diagrams according to specified drivers in product configuration.

REMOTE DRIVER - STATIC WHITE, SOLA

RED	LED (+)
BLUE	LED (-)

Note:
For remote driver wiring in the remote driver box (RDB), refer to the applicable driver wiring.

For max wire distance from driver, please check our website: WWW.LUMENWERX.COM

POWER INPUT

DRIVER

REMOTE DRIVER BOX

LED (+)

LED (-)

TO FIXTURE

D1 / ELD1 / ELD0 / SD1

BLACK	HOT
WHITE	NEUTRAL
GREEN	GROUND
PURPLE	DIM (+) 0-10V
PINK or GRAY	DIM (-) 0-10V

POWER INPUT

HOT

NEUTRAL

GROUND

DIM (+) 0-10V

DIM (-) 0-10V

TO DRIVER

DA

BLACK	HOT
WHITE	NEUTRAL
GREEN	GROUND
PURPLE	DALI (+)
PINK or GRAY	DALI (-)

POWER INPUT

HOT

NEUTRAL

GROUND

DALI (+)

DALI (-)

TO DRIVER

LTEA2W

BLACK	HOT
WHITE	NEUTRAL
GREEN	GROUND

Note: 120V max input voltage

POWER INPUT

HOT

NEUTRAL

GROUND

TO DRIVER

LDE1

BLACK	HOT
WHITE	NEUTRAL
GREEN	GROUND
PURPLE	E1 TO ECOSYSTEM
PINK or GRAY	E2 DIGITAL LINK

POWER INPUT

HOT

NEUTRAL

GROUND

E1 TO ECOSYSTEM

E2 DIGITAL LINK

TO DRIVER

RIM LINEAR

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REMOTE DRIVER - DUO, QUADRO

RED	LED (+)
BLUE	LED (-)

Note:
For remote driver wiring in the remote driver box (RDB), refer to the applicable driver wiring.

For max wire distance from driver, please check our website: WWW.LUMENWERX.COM

POWER INPUT

DRIVER

REMOTE DRIVER BOX

LED (+)

LED (-)

TO FIXTURE

DUO

DD1

BLACK	HOT
WHITE	NEUTRAL
GREEN	GROUND
PURPLE	DIM (+) 0-10V
RED	CCT (+) 0-10V
PINK or GRAY	DIM & CCT (-) 0-10V

POWER INPUT

HOT

NEUTRAL

GROUND

DIM (+) 0-10V

CCT (+) 0-10V

DIM & CCT (-) 0-10V

TO DRIVER

Note:
Common negative for dimming & CCT

DDA / DDA8

BLACK	HOT
WHITE	NEUTRAL
GREEN	GROUND
PURPLE	DALI (+)
PINK or GRAY	DALI (-)

POWER INPUT

HOT

NEUTRAL

GROUND

DALI (+)

DALI (-)

TO DRIVER

PSQ0

BLACK	HOT
WHITE	NEUTRAL
GREEN	GROUND
PURPLE	T1 TO T2 DIGITAL LINK
PINK or GRAY	T1 TO T2 DIGITAL LINK

POWER INPUT

HOT

NEUTRAL

GROUND

T1 TO T2 DIGITAL LINK

T1 TO T2 DIGITAL LINK

TO DRIVER

DUO, QUADRO

DMX

BLACK	HOT
WHITE	NEUTRAL
GREEN	GROUND
WHITE	DMX (+)
BLACK	DMX (-)
GREEN	SHIELD
PURPLE	DMX (+)
PINK or GRAY	DMX (-)
RED	SHIELD

POWER INPUT

HOT

NEUTRAL

GROUND

DMX (+)

DMX (-)

SHIELD

DMX IN

DMX OUT

DMX (+)

DMX (-)

SHIELD

Note:
- Must follow DMX wiring architecture
- Use low capacitance wiring for DMX network