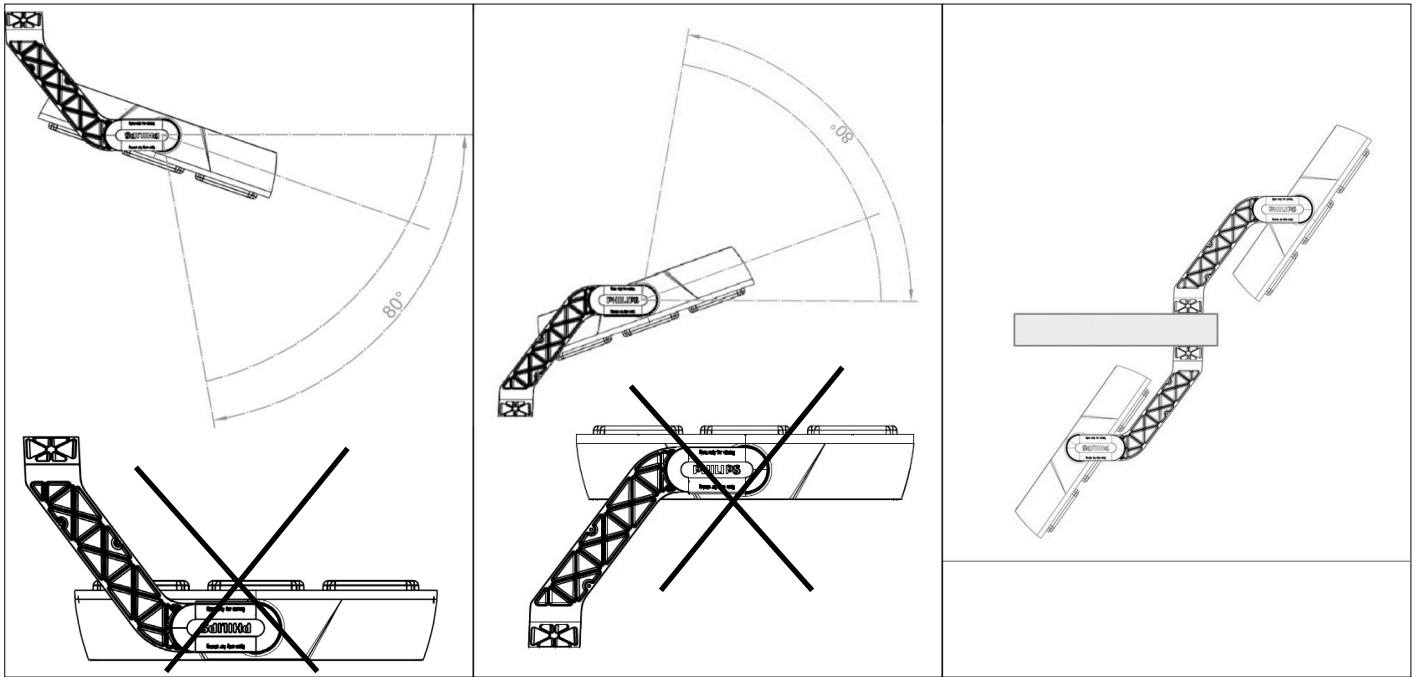
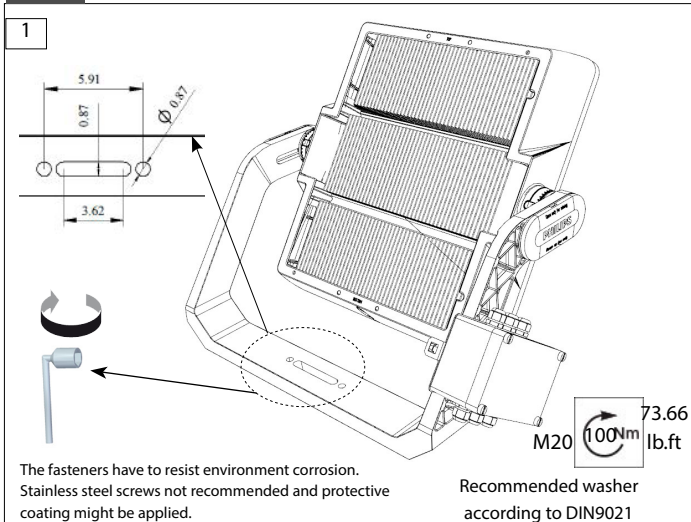


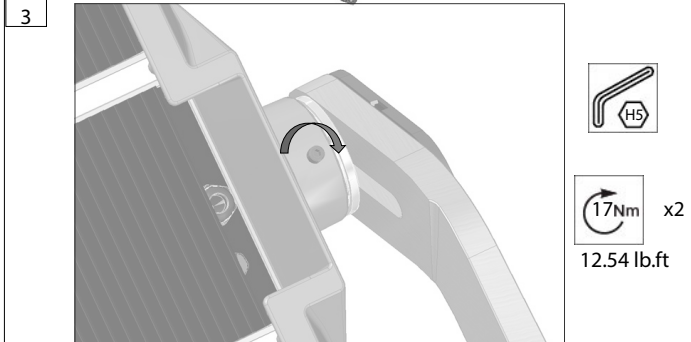
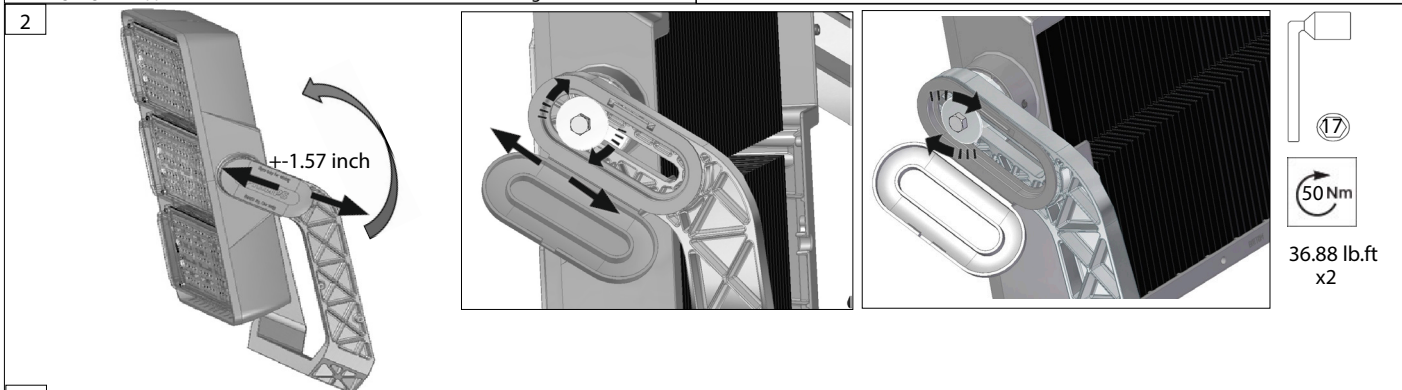
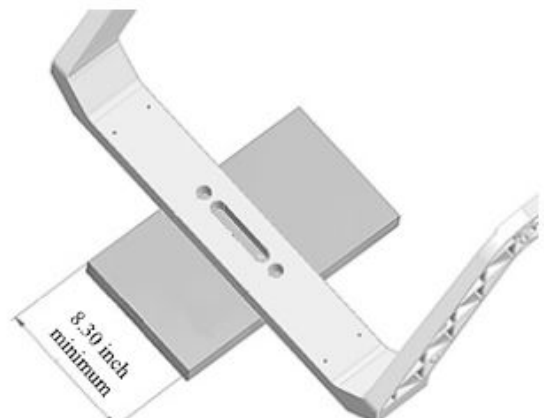
Any modification on the luminaire will cancel the warranty
 Tolerances on light flux: $\pm 7\%$
 Tolerances on system power: $\pm 10\%$
 Tolerances on CCT: $\pm 400^\circ\text{K}$



MOUNTING

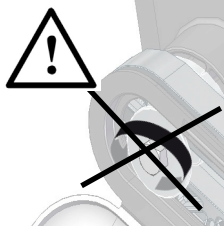
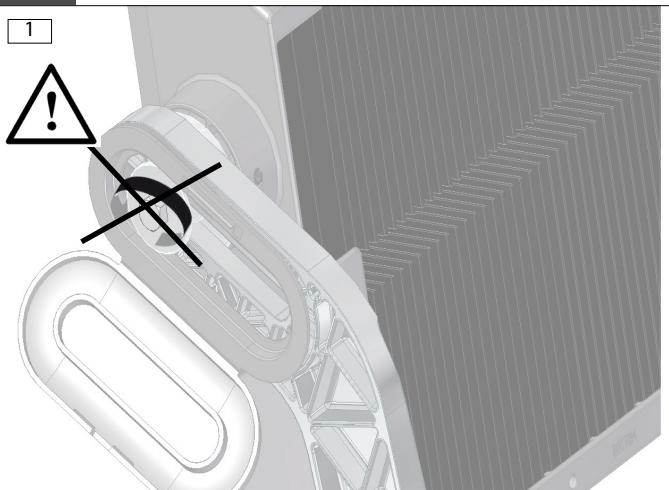
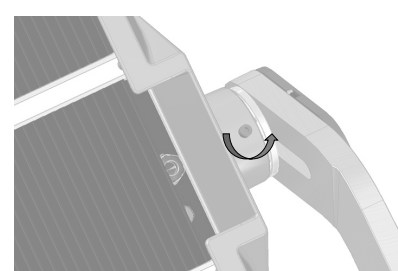
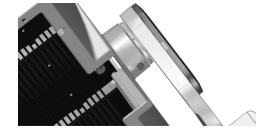

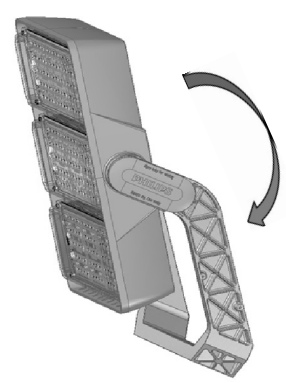
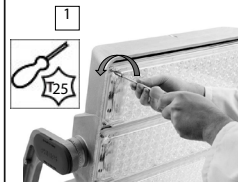
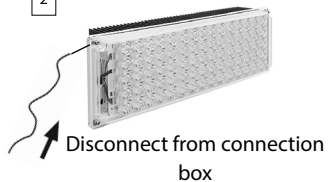
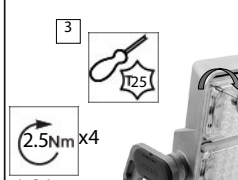
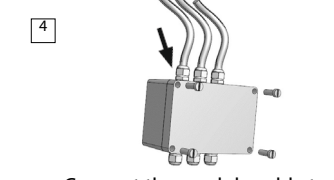
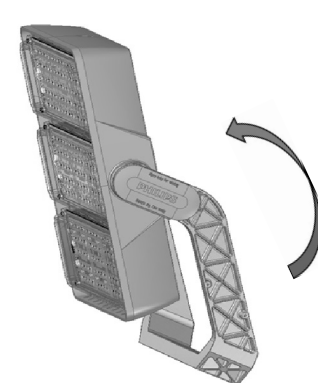
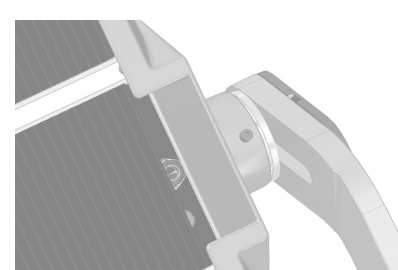
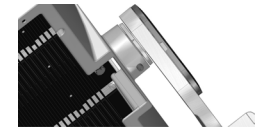
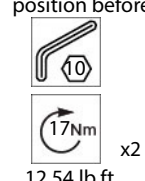
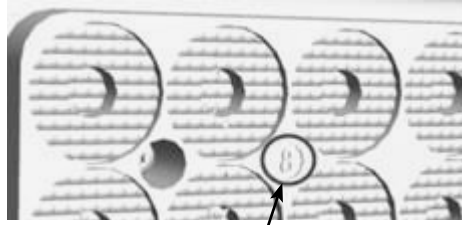



In case of using only one fixation point and if the luminaire is higher >3m (9.84 ft), the use of a 2nd fixing security system is needed



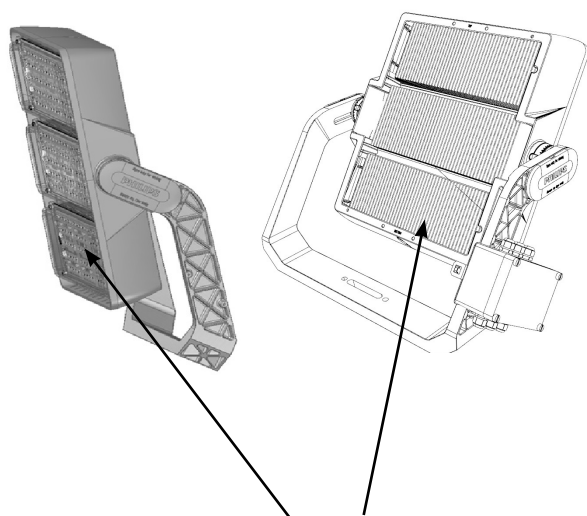


MAINTENANCE

<p>1</p>  	<p>2</p>   <p>Mark the position with a pen (to remember the position) before untightening the grub screw and rotate the luminaire.</p> 
<p>3</p> 	<p>4</p> <p>1</p>  <p>2</p>  <p>Disconnect from connection box</p> <p>3</p>  <p>2.5Nm x4 1.84 lb.ft</p> <p>4</p>  <p>Connect the module cable to connection box</p>
<p>5</p> 	<p>6</p>   <p>Rotate back to the marked position before tightening</p> 
 <p>OPTIC TYPE</p>  <p>LIGHT MODULE LABEL 12 NC: 9123XXXXXXXXX I: 0,8-2,0 A Tc: 90°C (194°F)</p>	



CLEANING

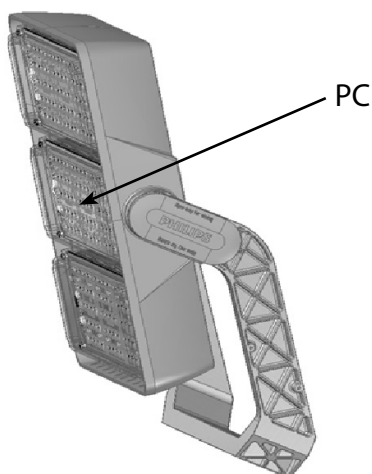


CLEANING PARTS

1. Remove physical elements that can block and modify the aircooling (heatsink fins)
2. Cleaning Frequency (depending on installation place and environment)

Cleaning Interval (months)	Pollution Category		
	High	Medium	Low
6	0,91	0,92	0,96
12	0,86	0,88	0,94
18	0,83	0,85	0,92
24	0,81	0,83	0,91
36	0,79	0,82	0,9

OPTICAL COVER



CLEANING TECHNIQUES

1. Always test the sample with the cleaner and according to the chosen technique before
2. Do not leave cleaners on plastic parts for a long period
3. Do not apply cleaners in direct sunlight or at elevated temperatures



RECOMMENDED
Mild Soap
Lukewarm Water
Soft/Grid free Cloth
Sponge
Water Cleaning

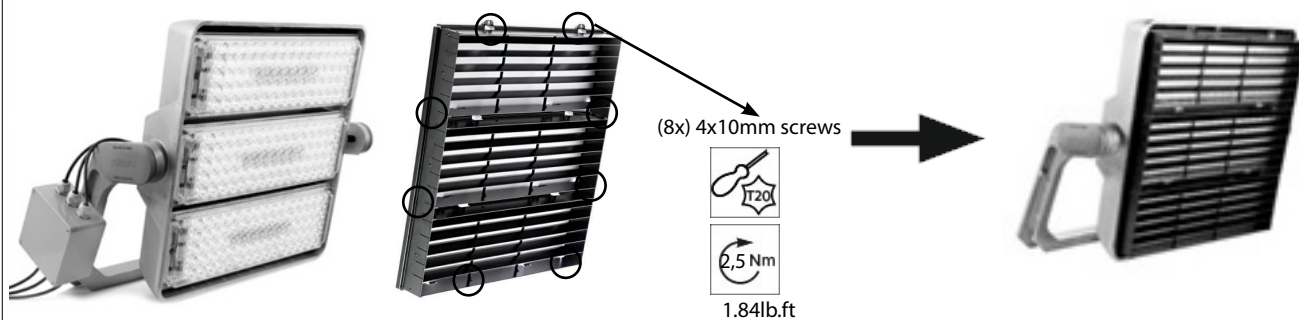
FORBIDDEN
Abrasive Cleaners
Highly Alkaline Cleaners
Aromatic Solvents
Halogenated Solvents
Brushes
Steel Wood
Squeegess, razorblades



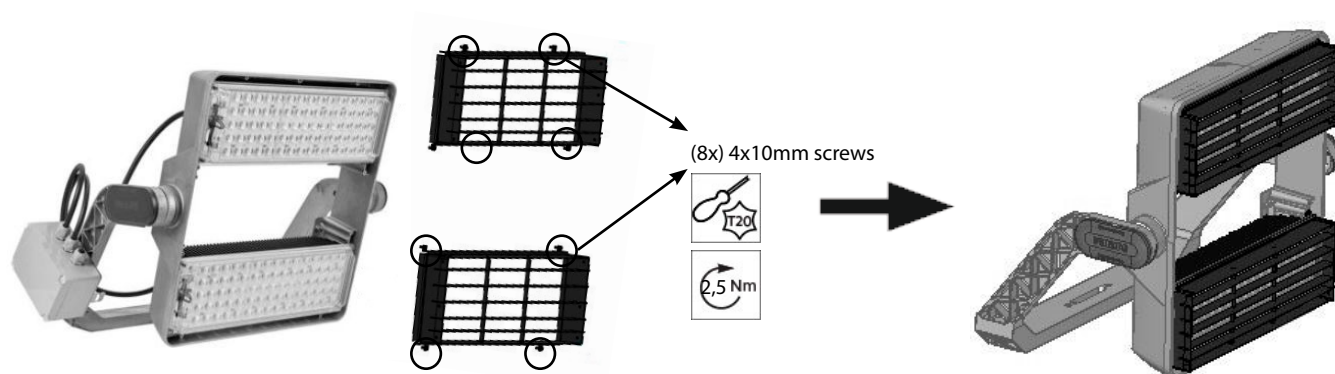
The list is not exhaustive

ACCESORIES

LOUVRE

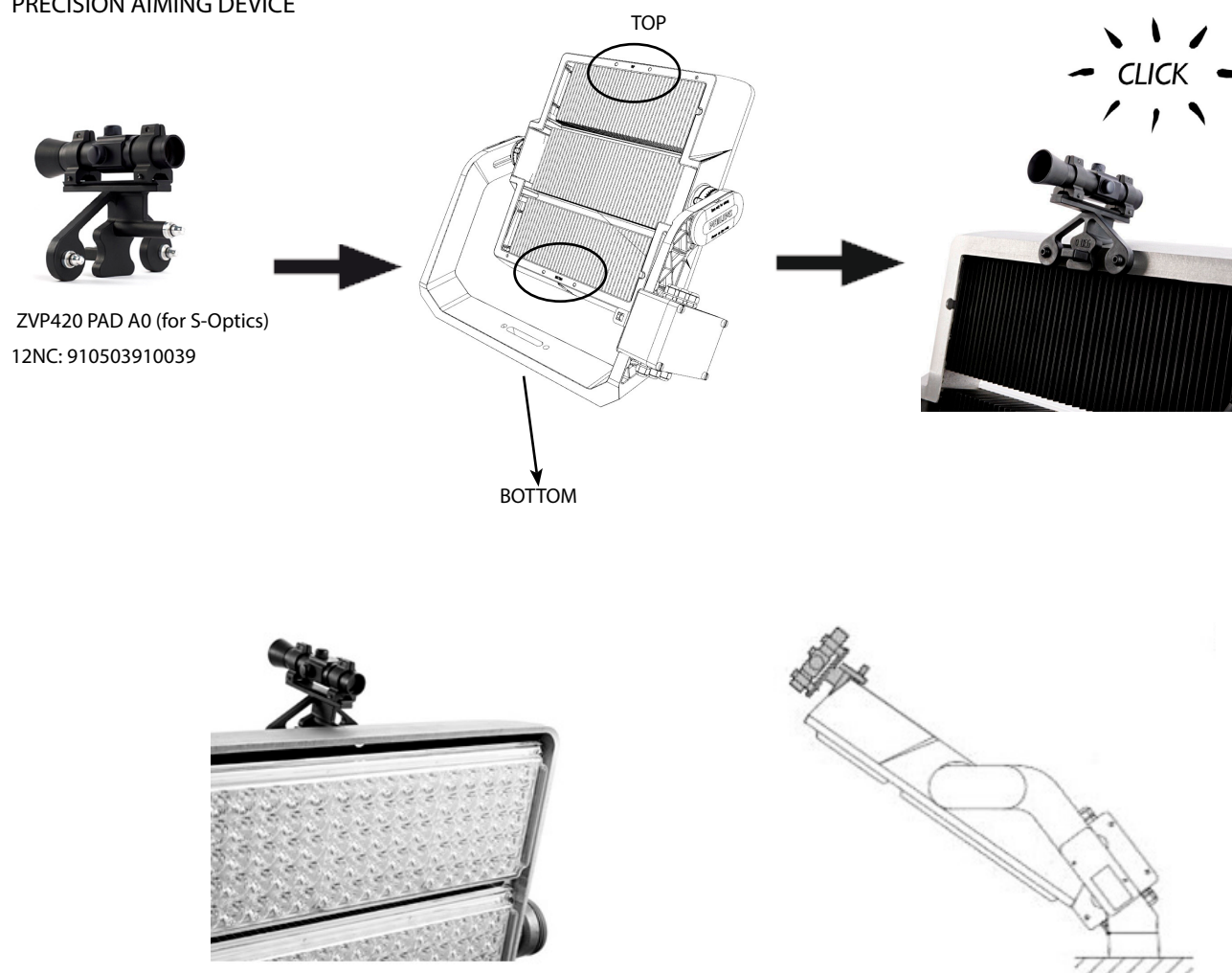


12NC: 912300022588: ZVP420 L External spill-light control louvre



12NC: 912300055954: ZVP500/400 L Ext. spill-light control l.

PRECISION AIMING DEVICE





CONNECTION BOX

1

2.36 lb.ft
3.2 Nm
x2 screws: 5x10 mm

BOTH SIDES OF THE BRACKET
CAN BE CHOSEN

2

2.36 lb.ft
3.2 Nm
P1

3

1

1.84 lb.ft
2.5 Nm
P1

2

2.36 lb.ft
3.2 Nm
P1

4

Ensure the tightening of the cable glands
for protection against ingress of dust and
moisture (IP66)

	Dmin (mm)	Dmax (mm)	TORQUE (Nm)	TORQUE (lb.ft)
M20	10	14	2.5	1.84

3x

5

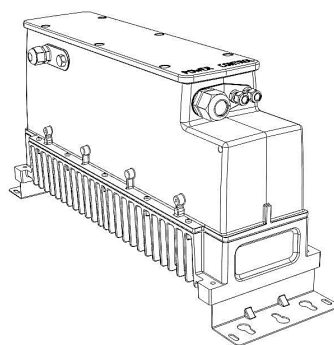
2.36 lb.ft
3.2 Nm
x1 screws: 5x10 mm

cable tie to fix the cables

PHILIPS

ArenaVision LED

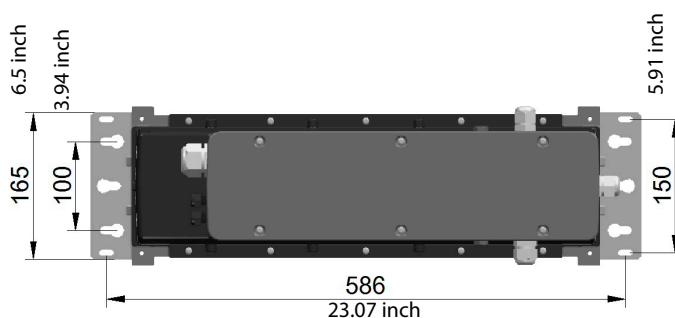
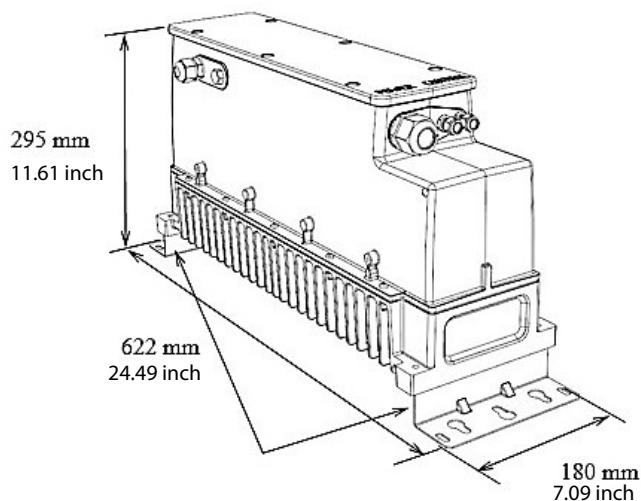
EVP428/EVP978



28.66 lb
max



Class I



Maximum number of luminaires to be connected to standard circuit breakers (fuse)

BVP420	Mains voltage	Max Nr luminaires connected
MCB 16A A type	277V	3
MCB 16A B type	277V	3
MCB 32A A type	277V	6
MCB 32A B type	277V	6
MCB 16A A type	480V	5
MCB 16A B type	480V	5



Driver Features

Voltage	Frequency	Inrush		Iin	
		I(A)max	during (µs)	from (A)	to (A)
110V/50-60Hz (120)	50-60Hz	44	200	8.4	12.8
208V/50-60Hz (208)	50-60Hz	44	200	4.4	6.7
240V/50-60Hz (240)	50-60Hz	44	200	3.8	5.8
277V/50-60Hz (277)	50-60Hz	44	200	3.3	5.1
347V/50-60Hz (347)	50-60Hz	60	101	2.7	4.0
480V/50-60Hz (480)	50-60Hz	80	101	1.9	2.9

Power Factor	> 0.9 at full power
Surge Protection	10kV Standard
Maximum Heat Disipation*	100W

* According to the maximum heat disipation, a thermal study should be done for a cabinet installation



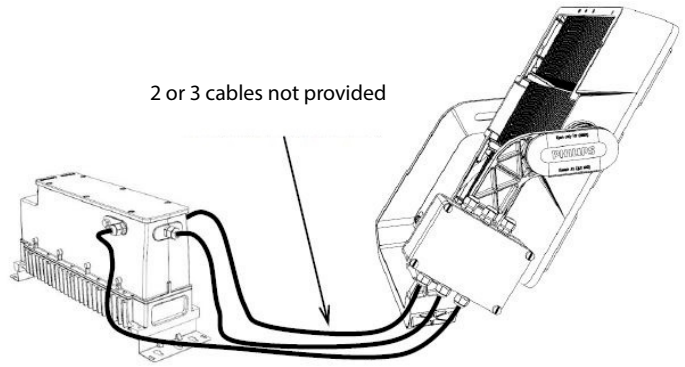
Maximum distance from driver to luminaire 114m (374 ft)

The cross section rules with regard to voltage drops over long distances applies and the choice of cable cross-section and also cabling way remains under responsibility of the installer.

This cable has to be suitable for 600V rated

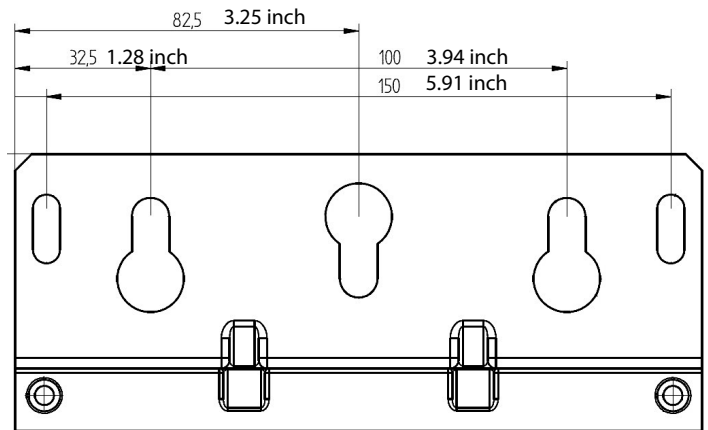
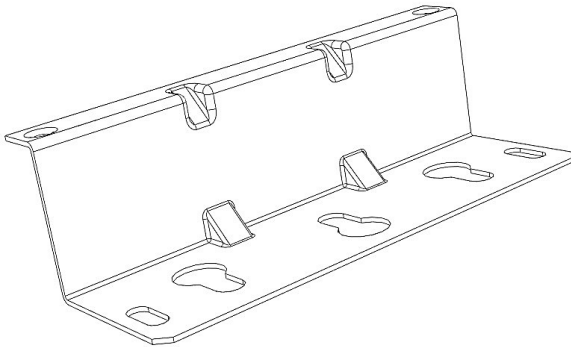
Recommended Diameter Ø10-Ø14mm (0.39-0.55 Inch)

2 or 3 cables not provided

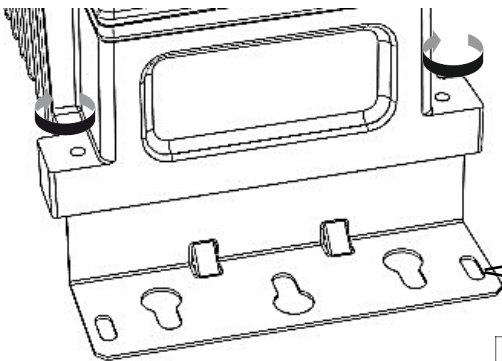


Distance to Driver	Solid or stranded	Indication NEC	Part Number	Outer Insulation	Wire Insulation	Number of Wires	UL number	Nom. O.D. (in)
<=114m (374 ft)	Stranded	SOOW Cord - 16/7	General Cable - 09607	Super Vu-Tron	Ethylene Propylene Diene Monomer Rubber (EPDM)	7	E11368	0,540

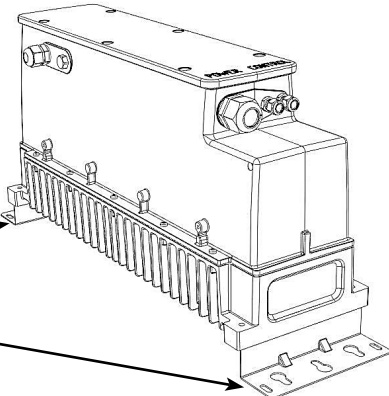
1 METAL PART FIXATION



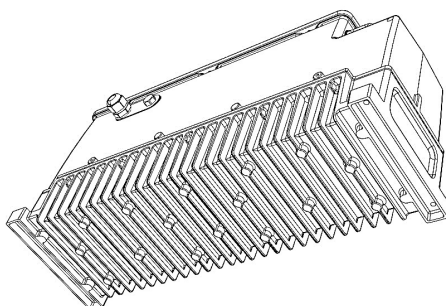
1a



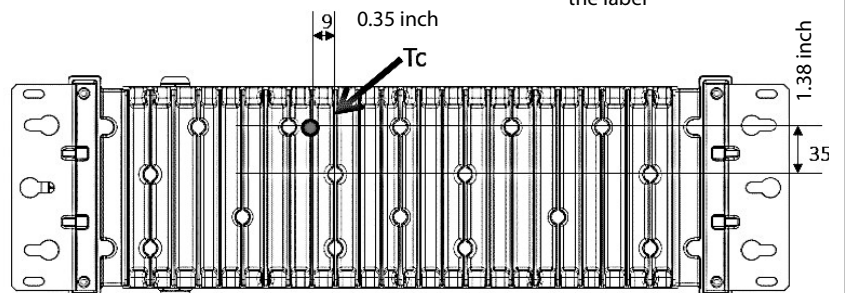
x4 3,2 Nm 2.36 lb.ft
Screw: M5x20 mm



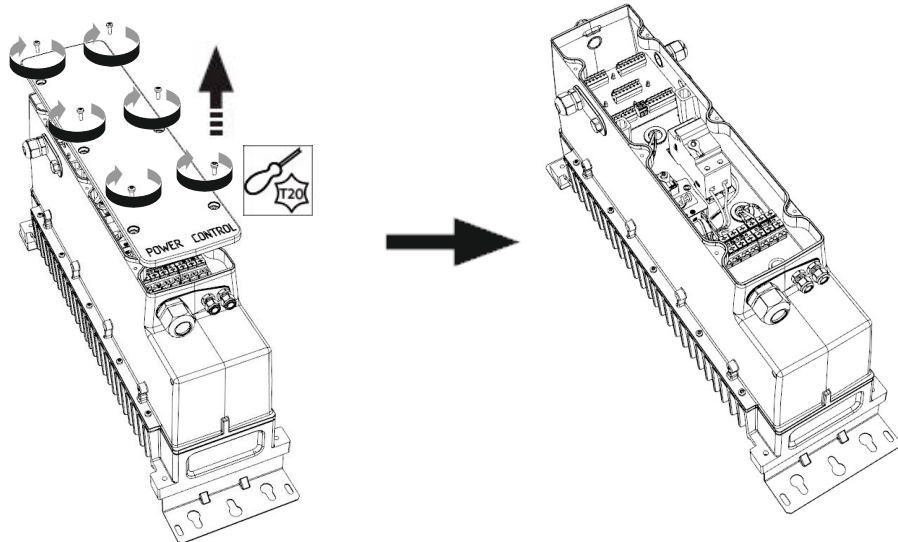
2 Tc POINT



In case of indoor installation make sure that the Tc point is below the value indicated on the label

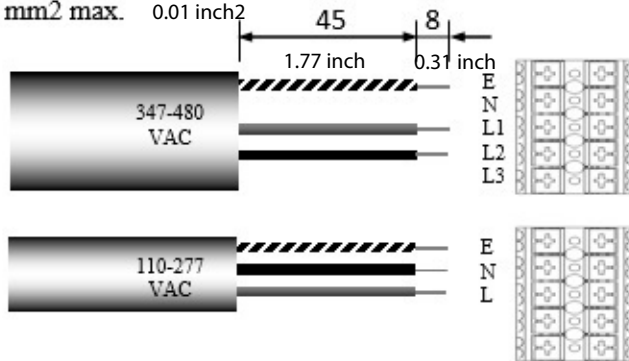


3 POWER LINE

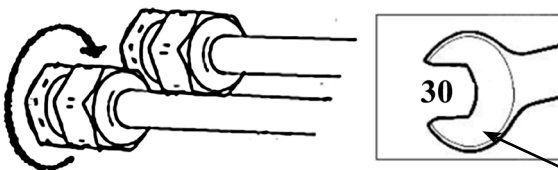


POWER LINE

Ø9-16 mm 0.35-0.63 inch
4 mm² max. 0.01 inch²



3a

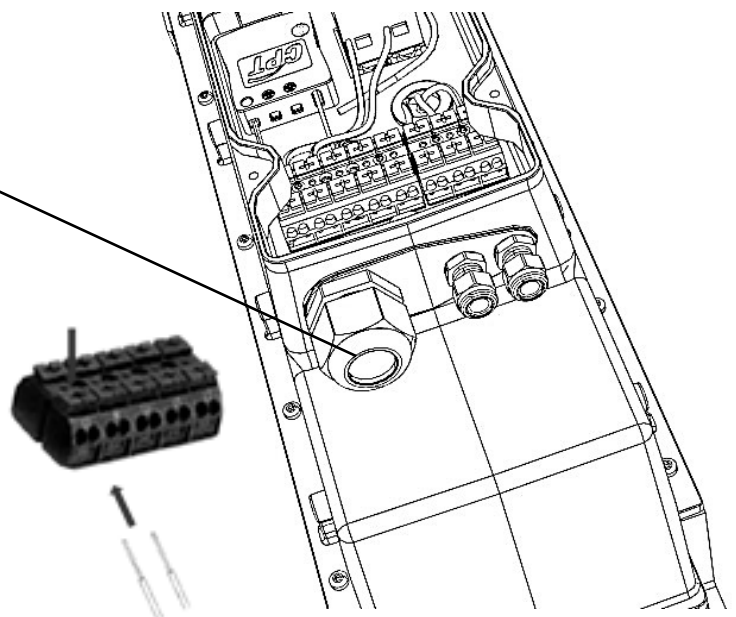


Ensure the tightening of the cable-lands for protection against ingress of dust and moisture (IP66)



	Dmin	Dmax	TORQUE (Nm)	TORQUE (lb.ft)
M25	9	16	5	3.69

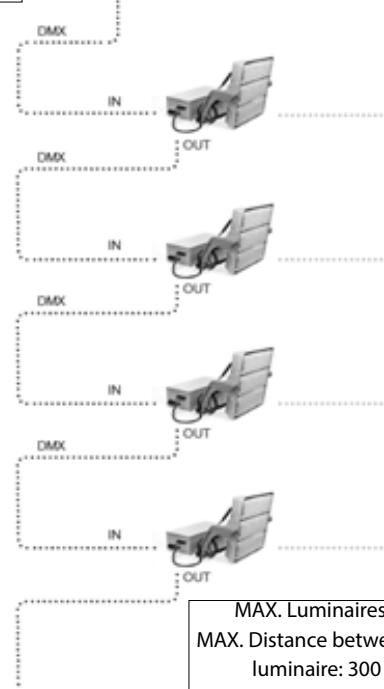
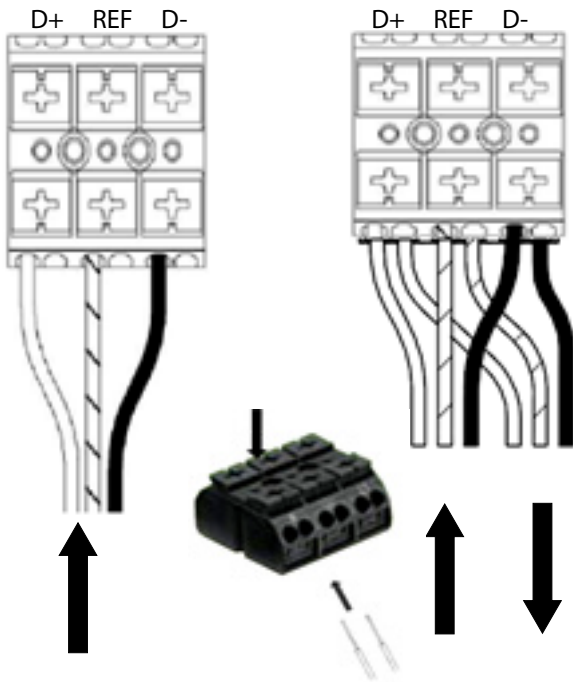
Recommended Cable Diameter: Ø9-Ø16mm (0.35-0.63 inch)



4 DMX-RDM

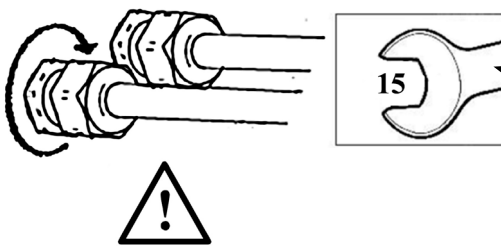
DMX512
Controller

347-480 / 110-277VAC



MAX. Luminaires: 8 (=> 32 drivers)
MAX. Distance between controller and last
luminaire: 300 m (984.25 inch)

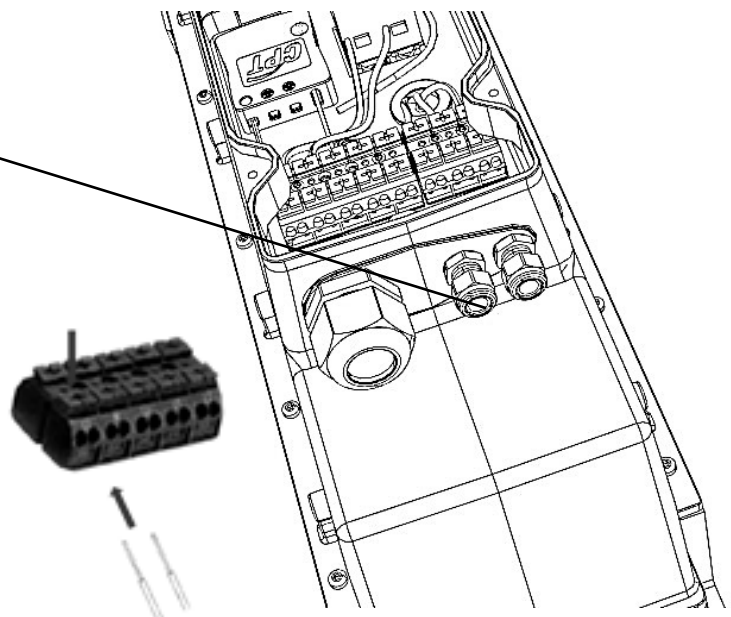
4a



Ensure the tightening of the cable-
lands for protection against ingress of
dust and moisture (IP66)

	Dmin	Dmax	TORQUE (Nm)	TORQUE (lb.ft)
M12	3	6.5	1.6	1.18

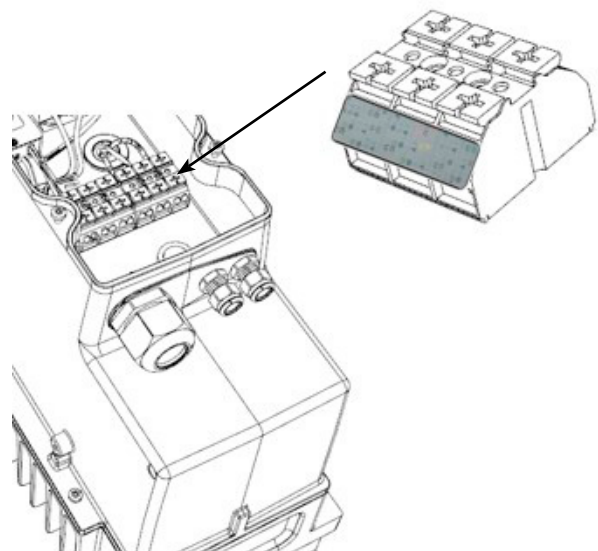
Recommended Cable Diameter: Ø3-Ø6.5mm (0.12-0.26)



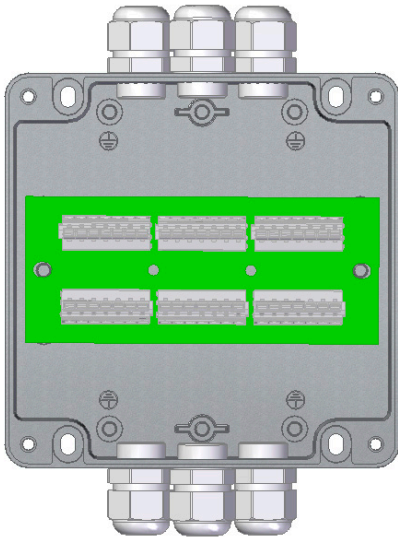
5 BASIC VERSION Controls Disabled



WARRANTY VOID IF REMOVED
The system can be made upgradable by the
qualified and authorized Philips technical
only!



6a WIRING BETWEEN IP66 DRIVER BOX & CONNECTION BOX (MANDATORY): 3 MODULES



Ensure the tightening of the cable glands for protection against ingress of dust and moisture (IP66)

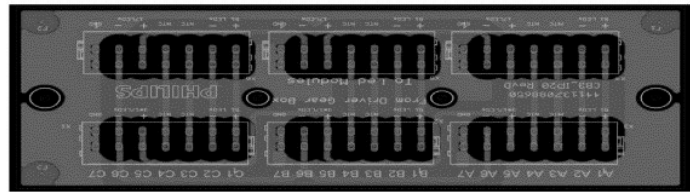


	Dmin	Dmax	TORQUE (Nm)	TORQUE (lb.ft)
M20	10	14	2.5	1.84

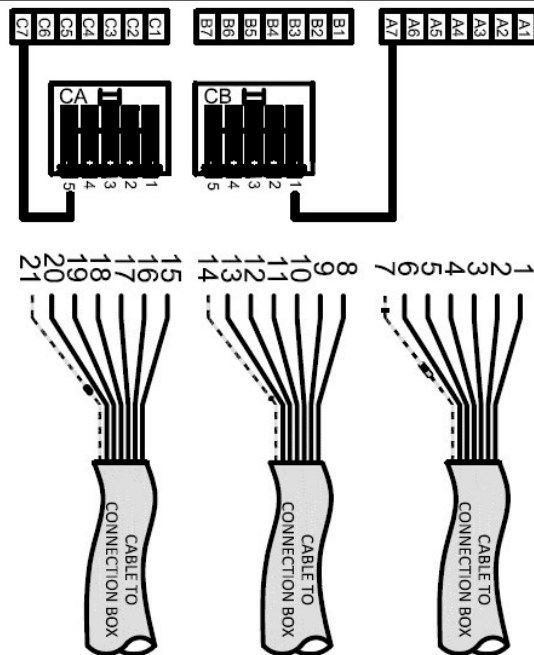
WIRING

A1	TO	A1	B1	TO	B1	C1	TO	C1
A2	TO	A2	B2	TO	B2	C2	TO	C2
A3	TO	A3	B3	TO	B3	C3	TO	C3
A4	TO	A4	B4	TO	B4	C4	TO	C4
A5	TO	A5	B5	TO	B5	C5	TO	C5
A6	TO	A6	B6	TO	B6	C6	TO	C6
A7	TO	CB2	B7	TO	CB4	C7	TO	CA3

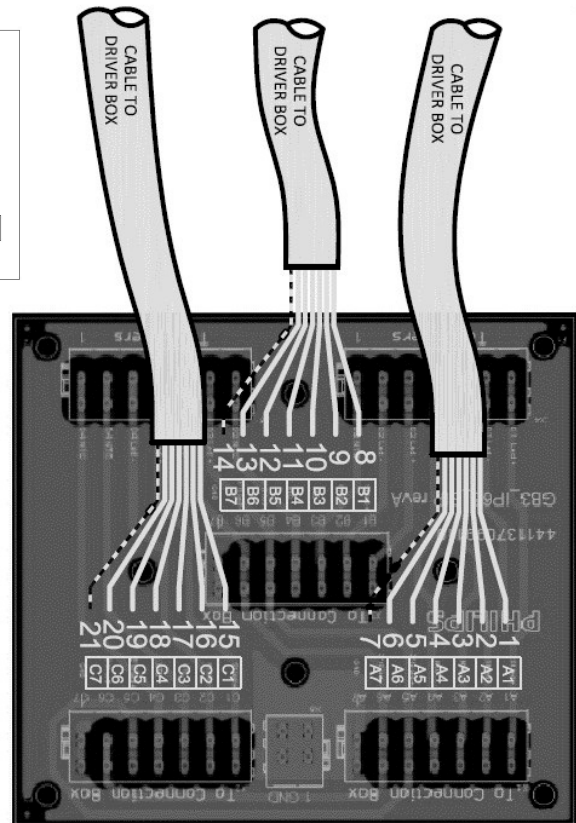
TO LUMINAIRE CONNECTION



CONNECTION BOX

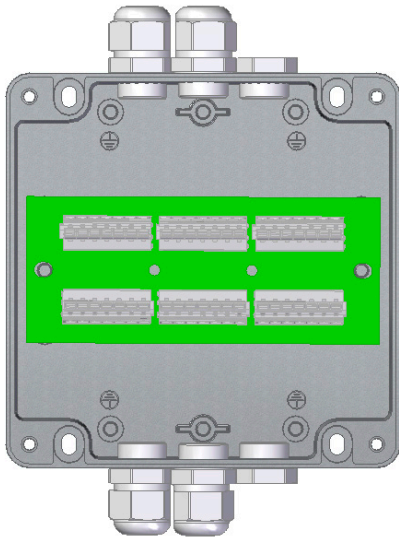


CABLES INSTALLER



DRIVER BOX IP66 CONNECTION

6b WIRING BETWEEN IP66 DRIVER BOX & CONNECTION BOX (MANDATORY): 2 MODULES

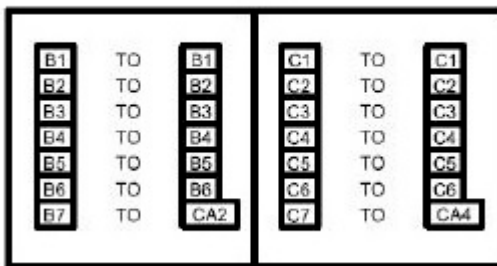


Ensure the tightening of the cable glands for protection against ingress of dust and moisture (IP66)

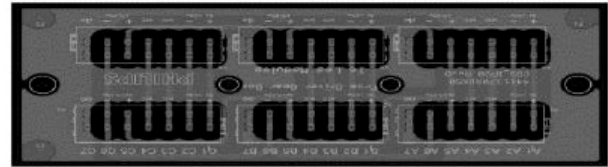


	Dmin	Dmax	TORQUE (Nm)	TORQUE (lb.ft)
M20	10	14	2.5	1.84

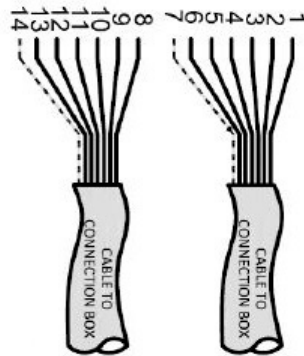
WIRING



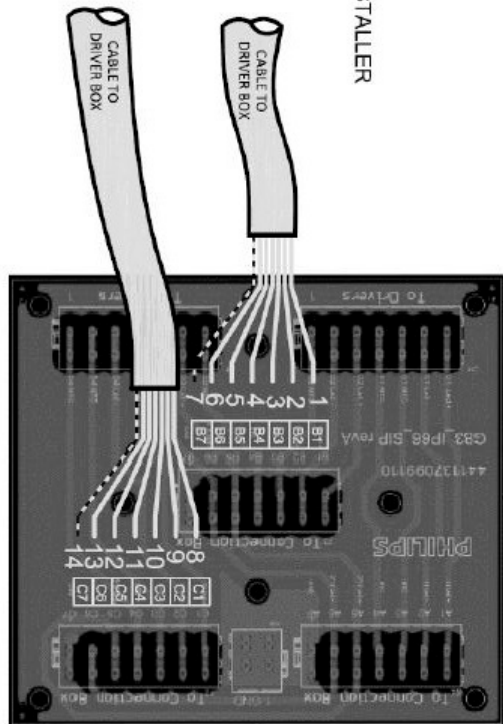
TO LUMINAIRE CONNECTION



CONNECTION BOX



CABLES INSTALLER

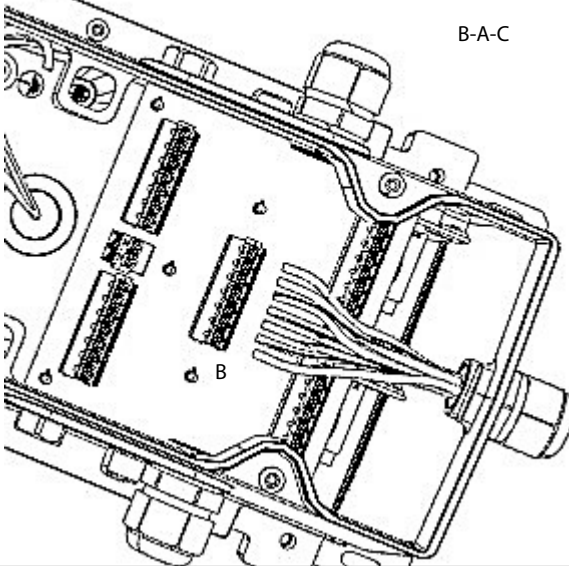


DRIVER BOX IP66 CONNECTION

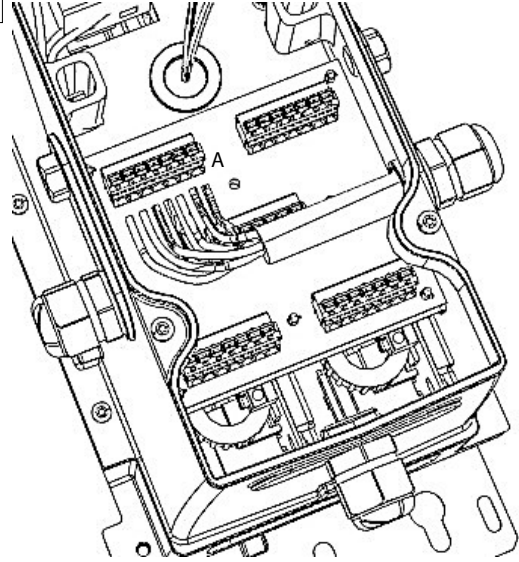
6a

SEQUENCE CONNECTION

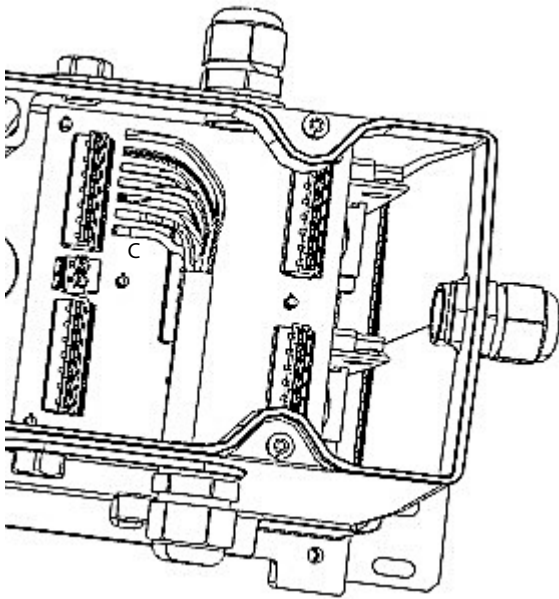
B-A-C



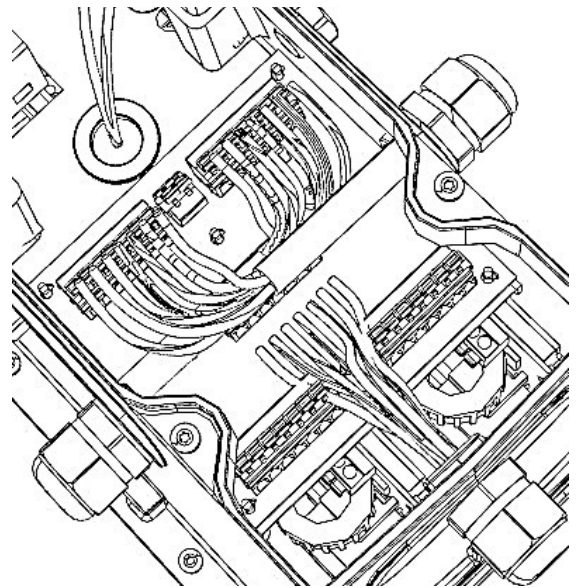
6b



6c



6d

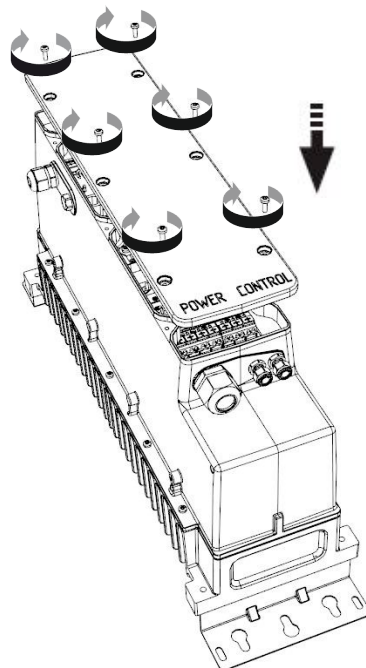


6e



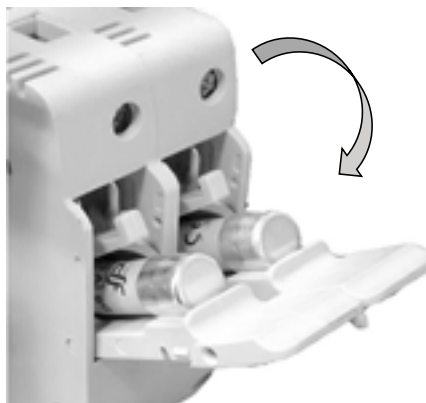
1.84lb.ft

Screws: M4x16mm

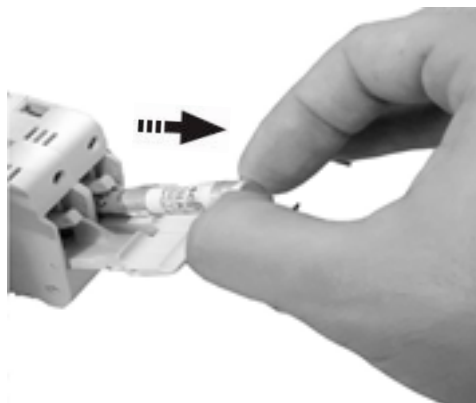


Ensure the tightening of the screws for protection against ingress of dust and moisture (IP66)

7a



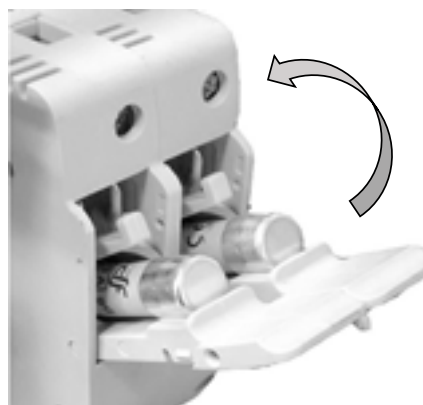
7b



7c



7d



7e



2 fuse version shown (for P, P).
For P, N, only 1 fuse

10X38
10 A
500V gG
In=120kA

WARNINGS AND INSTRUCTIONS FOR LUMINAIRES

IMPORTANT: FOR YOUR PROTECTION, YOU MUST CAREFULLY READ ALL WARNINGS AND INSTRUCTIONS IN THEIR ENTIRETY PRIOR TO INSTALLATION, OPERATION, SERVICE OR MAINTENANCE. FAILURE TO DO SO CAN RESULT IN DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. If you do not understand these warnings and instructions, or if additional information is desired, please contact Philips at sportslightingNAM@philips.com

- Installation, service and maintenance of luminaires must be performed by a qualified professional and in accordance with all federal, state and local laws, regulations and electrical codes. This professional should be familiar with the construction and operation of this product and any hazards involved. If not qualified, do not attempt installation, service or maintenance.
- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts, abrasions and other hazards, please read all warnings and instructions included with the luminaire, on the luminaire's packaging and affixed to the luminaire itself.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaire's construction and operation and any hazards involved.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Disconnect or turn off power before attempting any installation, service or maintenance.
- Verify that supply voltage is correct by referencing the luminaire label information.
- Make all electrical and ground connections in accordance with the National Electrical Code (NEC) and any other applicable laws, regulations or codes.
- All wiring connections should be capped with UL-approved wire connectors.



WARNING

RISK OF PERSONAL INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.



WARNING

RISK OF FIRE OR PERSONAL INJURY

- Keep combustible materials away from LED/lamp & lens
- Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Allow Led/lamp & lens to cool before handling.
- Do not touch enclosure or light source
- Do not exceed maximum wattage marked on luminaire label.
- Follow all manufacturer's warnings, recommendations, instructions and restrictions for driver type, burning position, mounting locations and replacement.



CAUTION

RISK OF PRODUCT DAMAGE

- Never connect luminaires and/or components under load with supply voltage turned on.
- Do not mount or support these luminaires in a manner that can cut the outer jacket or damage wire insulation.
- Do not restrict fixture ventilation. Allow for some volume of airspace around luminaire. Avoid covering luminaire with insulation, foam or other material that will prevent convection or conduction cooling.
- Do not exceed luminaire maximum ambient temperature.
- Do not modify the luminaire.
- Only use luminaire in its intended application and location.
- Led products are polarity sensitive. Ensure proper polarity before installation.
- Electrostatic Discharge (ESD) can damage LED. Personal grounding equipment must be worn during all installation and servicing of the luminaire.
- Do not touch individual electrical components as this can cause ESD, shorten LED life, or impact LED performance.
- Some components inside the luminaire may not be serviceable. In the unlikely event your luminaire may require service, stop using it immediately and contact sportslightingNAM@philips.com
- Always read the luminaires complete installation instructions prior to installation for any additional luminaire specific warnings.
- In the case of HID or Fluorescent luminaires, regular re-lamping is required to keep luminaire operating within safe limits
- **Do not install damaged product.** Handling and installing damaged products can potentially increase the risks mentioned. In case of damage and/or missing parts upon arrival of the luminaire, please contact sportslightingNAM@philips.com
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to sportslightingNAM@philips.com
- Please see luminaire specific Installation and Maintenance Instruction for additional warnings or any applicable FCC or regulatory statements. Failure to follow any of these Instructions could void luminaires warranties.

Luminaire Maintenance

- Regular luminaire maintenance programs are recommended.
- It is recommended to clean the outside of the luminaire and the refractor/lens.
- Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user.
- If clean water is not sufficient for cleaning, use a neutral, synthetic, not-scratching and not-abrasive cleaning substance.
- Never use alkaline and/or acetous cleaning substances.
- Make sure that the cleaning substance is carefully removed by rinsing with lots of clean water.
- Philips recommends using a cleaning solution that has a PH between 5 and 8.
- Recycle: For information on how to recycle electronic products and components, please visit www.epa.gov.



© 2016 Philips Lighting Holding B.V.

All rights reserved. Reproduction in whole or in part is prohibited without consent of the copyright owner.

The information presented in this document does not form part of any quotation or contract. It is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent or other industrial or intellectual property rights.

Philips Lighting Holding B.V.
The Netherlands