

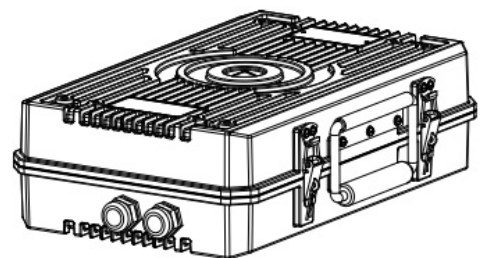
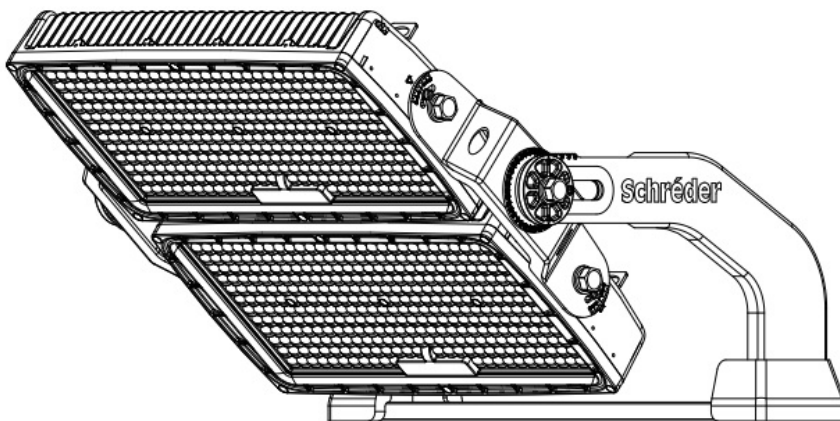


Schreder Briteline Gen2 2 External Version Instruction Manual

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Schröder

**BRITELINE
GEN2 2
External version**



INSTALLATION INSTRUCTIONS



4-8m
8-12m
12-15m
15m<

1200-1400W

120-277 V
277-480 V
50/60Hz

IP
66

IK
10

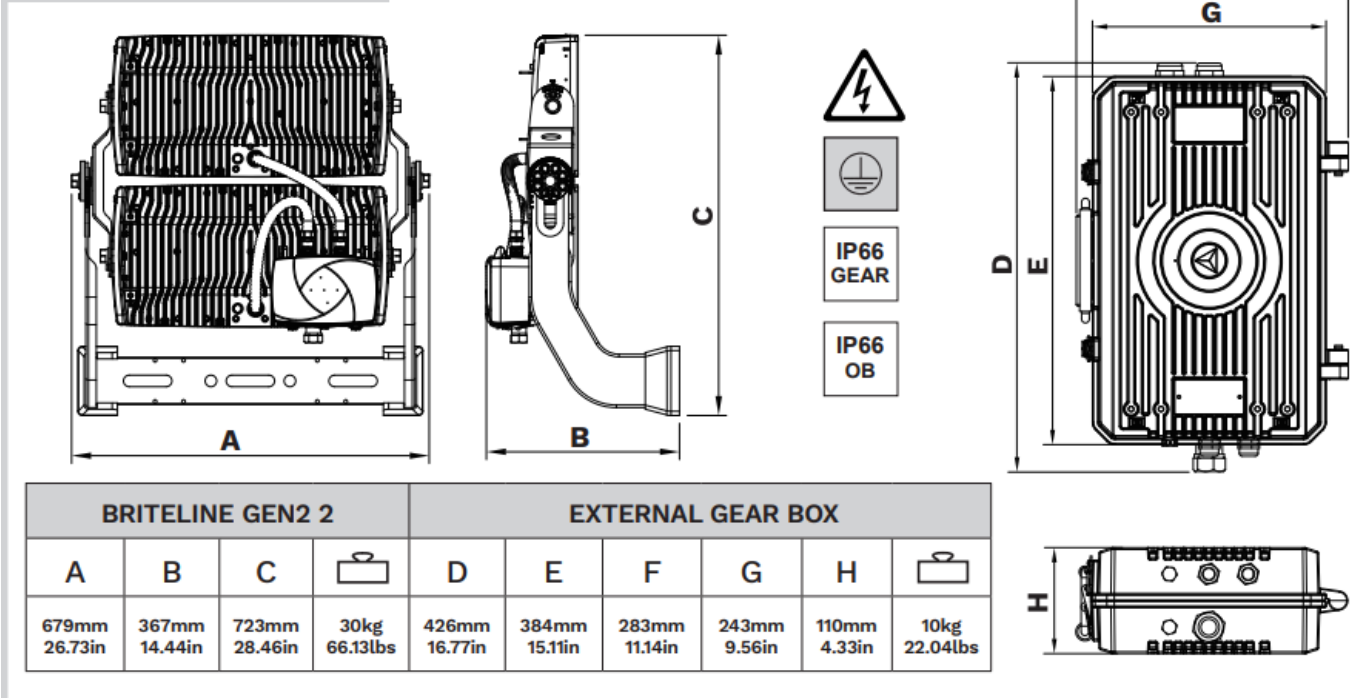
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- 3 Mounting dimensions
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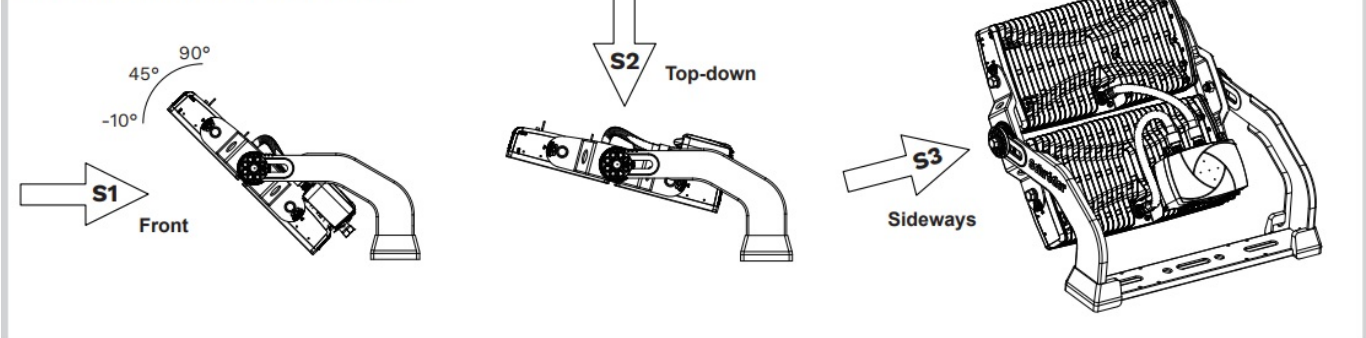
Briteline Gen2 2 External Version



A - PRODUCT OVERVIEW

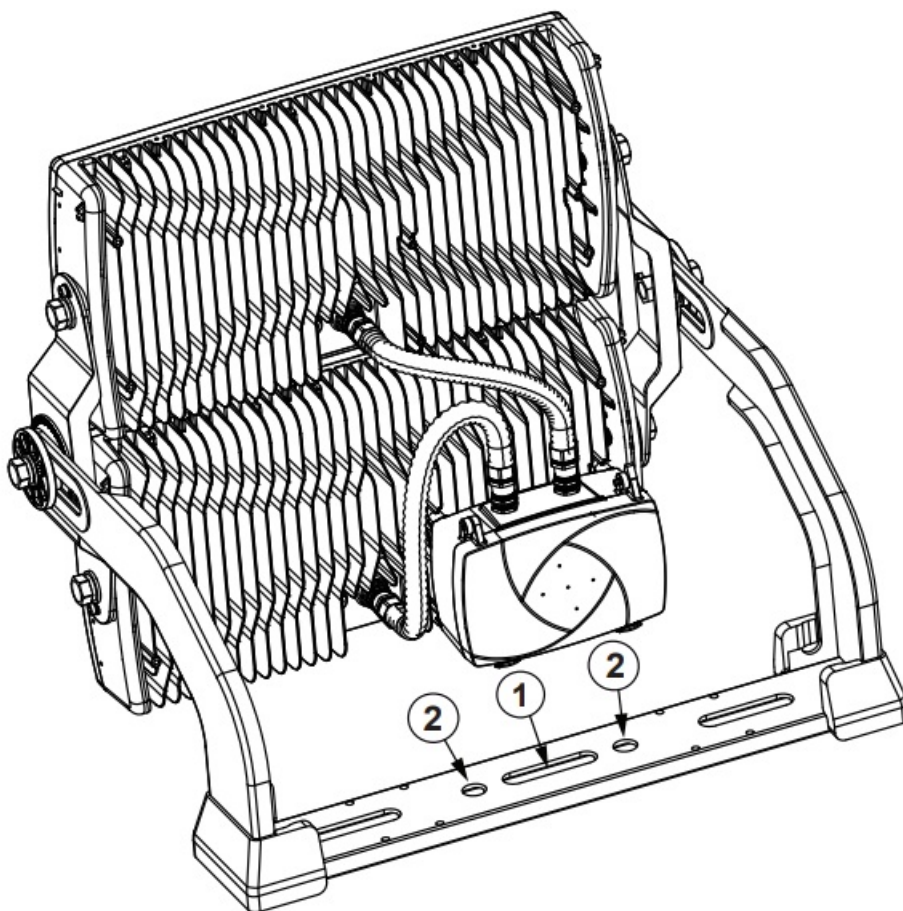


EPA - Effective Projected Area

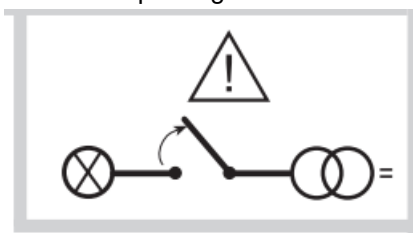


	a = 0°			a = 30°			a = 45°			a = 70°			a = 90°		
	S(m ²)	CxS (m ²)	EP A (ft ²)	S(m ²)	CxS (m ²)	EP A (ft ²)	S(m ²)	CxS (m ²)	EP A (ft ²)	S(m ²)	CxS (m ²)	EP A (ft ²)	S(m ²)	CxS (m ²)	EP A (ft ²)
\$1	0.063 3	0.08	0.8 2	0.171 8	0.21	2.	0.225 3	0.28	3.	0.281 5	0.34	4.	0.291 5	0.35	4.
\$2	0.291 5	0.35	4.	0.276 4	0.34	4.	0.242 8	0.3	3.	0.153 0	0.19	2.	0.063 3	0.08	0.82
S3	0.062 5	0.08	0.8 1	0.062 5	0.08	0.8 1	0.062 5	0.08	0.8 1	0.062 5	0.08	0.8 1	0.062 5	0.08	0.81

MOUNTING



Screws and washers are not included in the package!



Minimum screw requirement:

Vibration standard	IEC 0.5g / ANSI 1.5g
Minimum fastener requirement	1x M20 8.8 or A2-70 DIN9021 large plain washer
Tightening torques	1xM20: 200 Nm 2xM20: 140 Nm

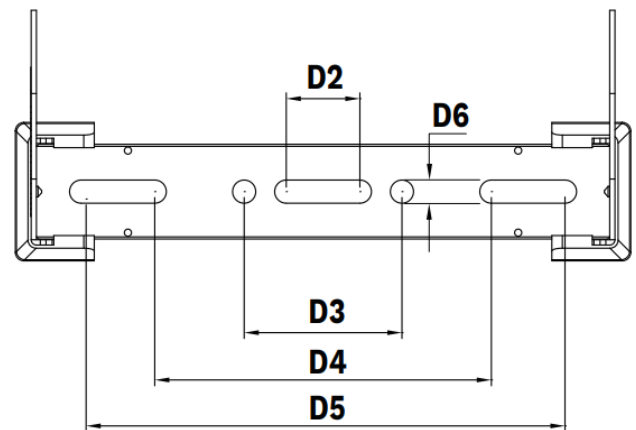
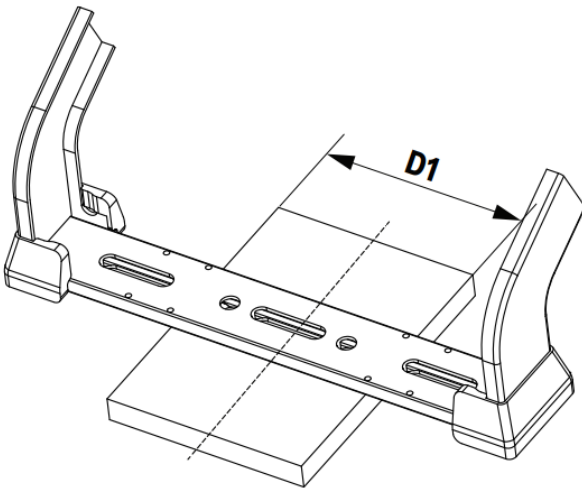
Recommended to use anti-seizing agent (Tikal Tef-Gel®) !



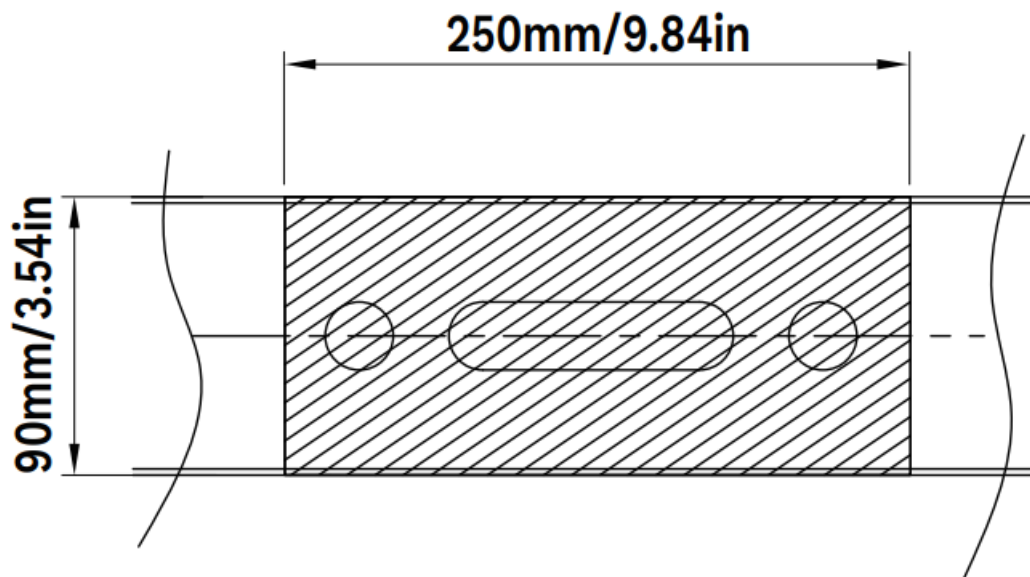
1 1xM20 with extra large washer or
2 2xM20 with extra large washer


Mounting dimensions

D1	D2	D3	D4	D5	D6
min 250mm min 9.84in	70mm 2.75in	150mm 5.9in	320mm 12,6in	460mm 15.98in	22mm 0.86in



Minimum Surface Contact Area for screw fixation 124mm/4.88in



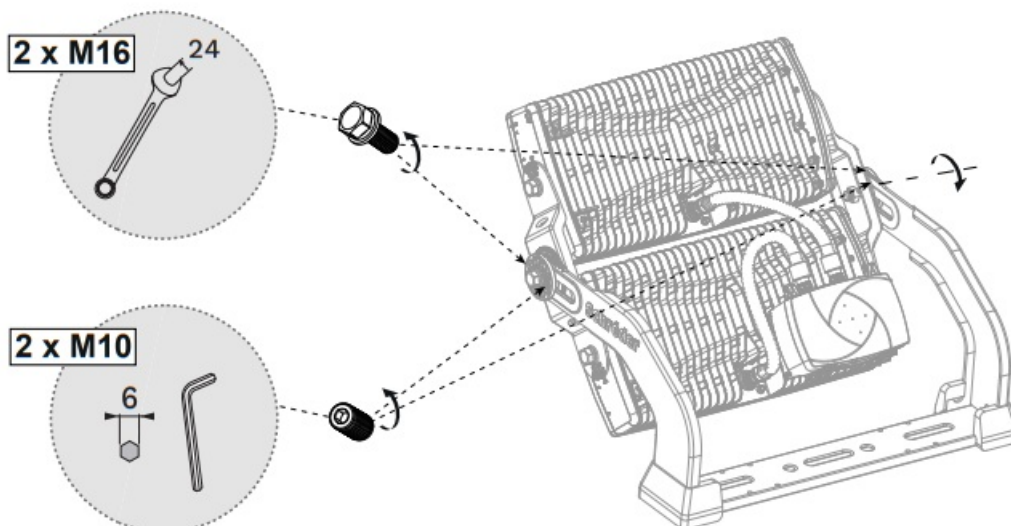
Fasteners are not included in the package! 

Remark: the hatched area always need to be supported by a flat planar mounting surface as minimum. Wider surface contact is recommended, smaller is not allowed!

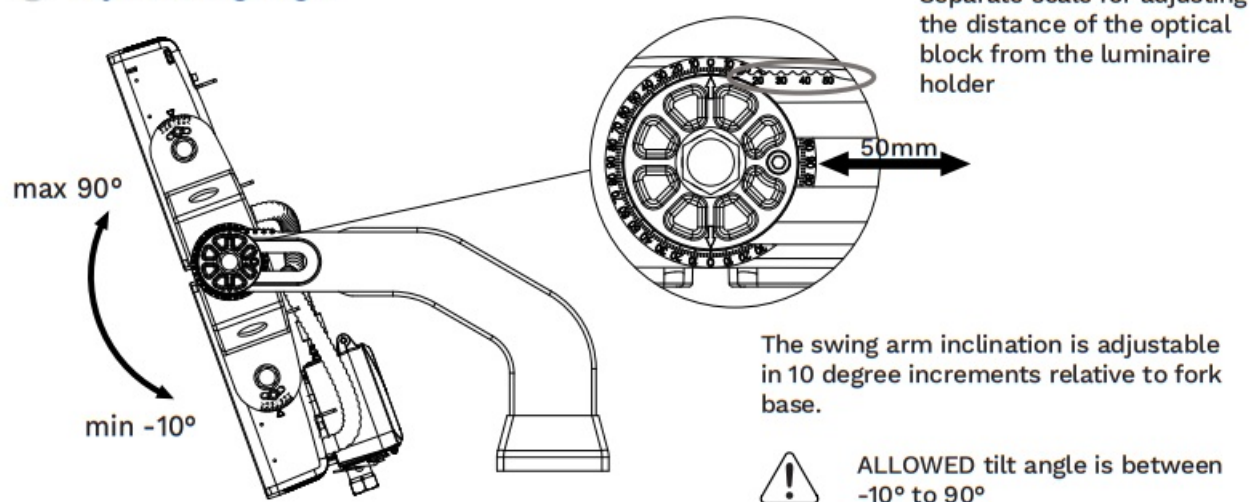
C - ANGLE ADJUSTMENT

C/1 - BRACKET TO FORK

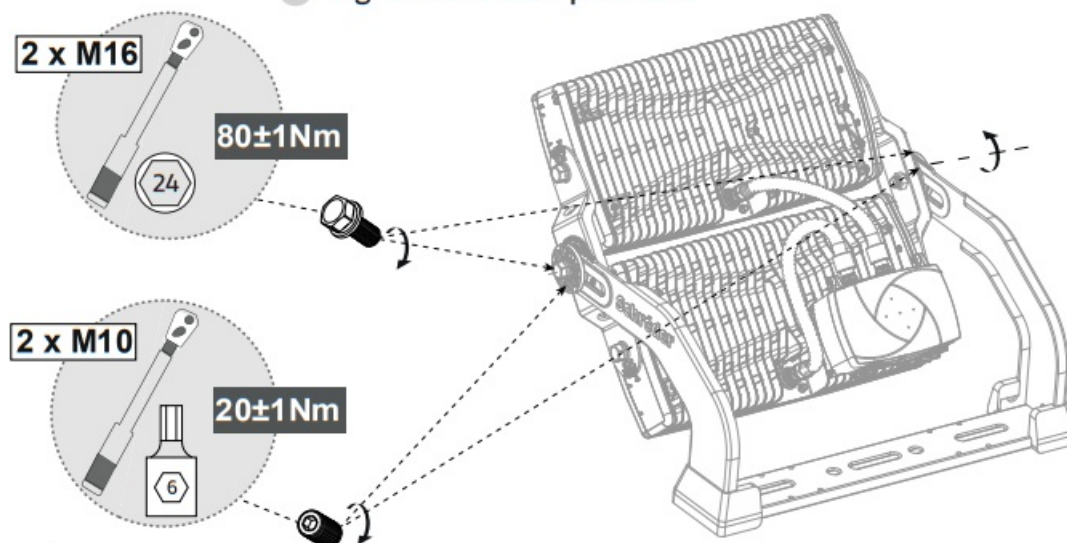
1. Loosen the clamp screws



2. Adjust tilting angle



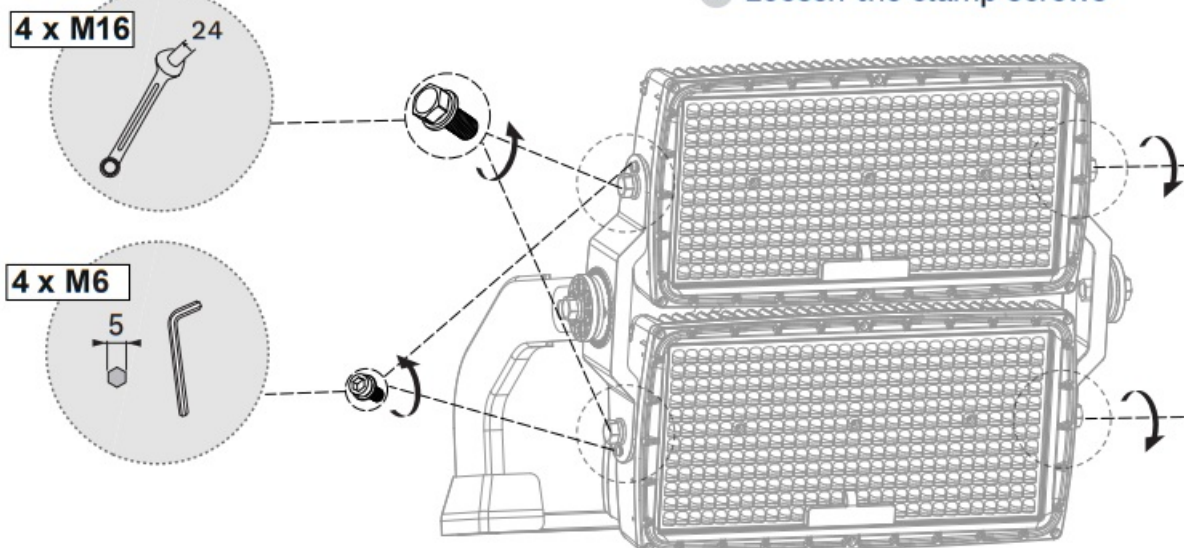
3. Tighten the clamp screws



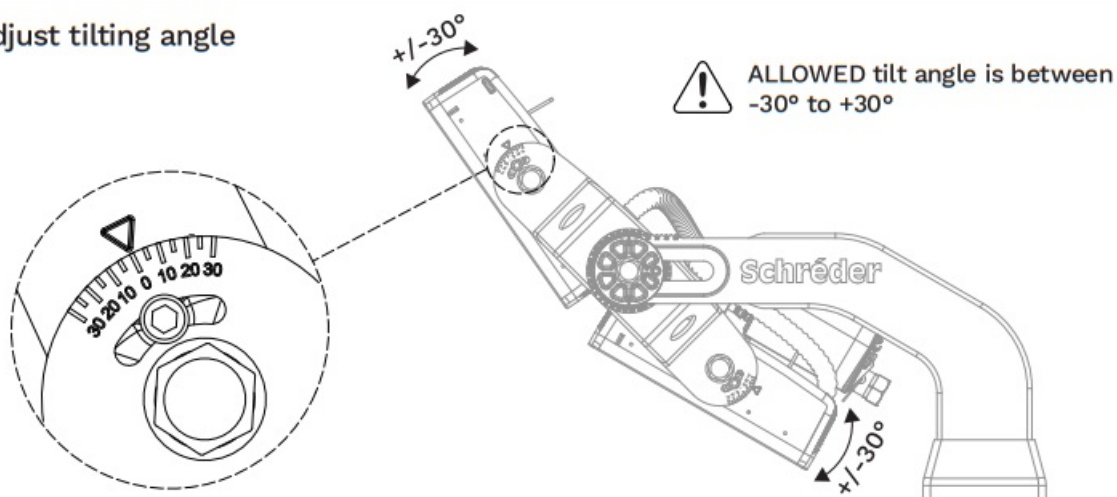
! Do not exceed the proposed torque levels, as it may result in fraction of the parts!

C/2 - OPTICAL BLOCKS TO BRACKET

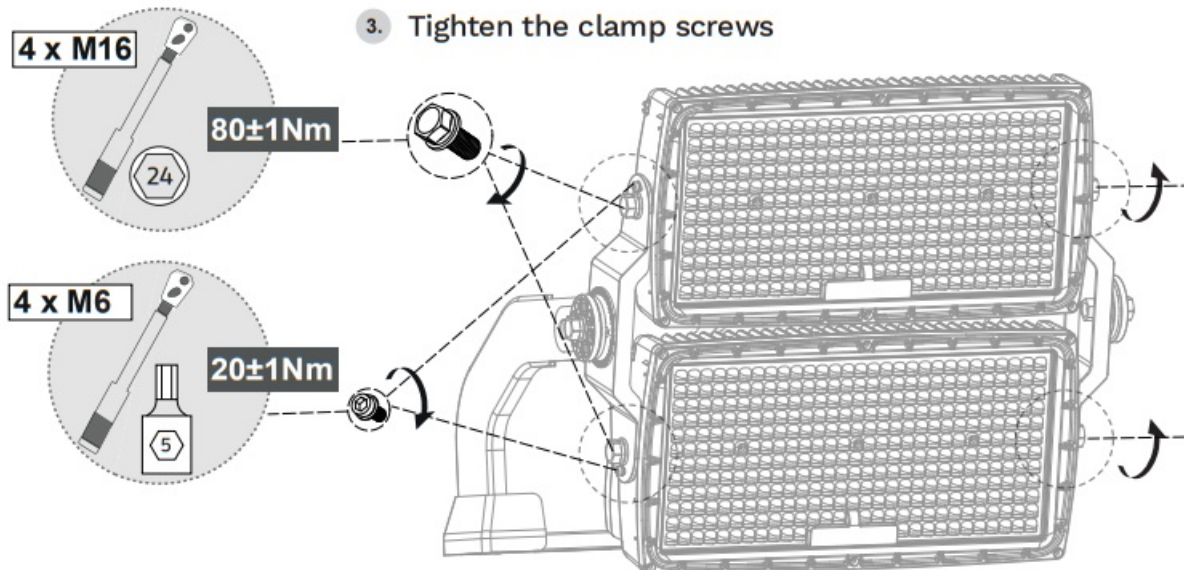
1. Loosen the clamp screws



2. Adjust tilting angle

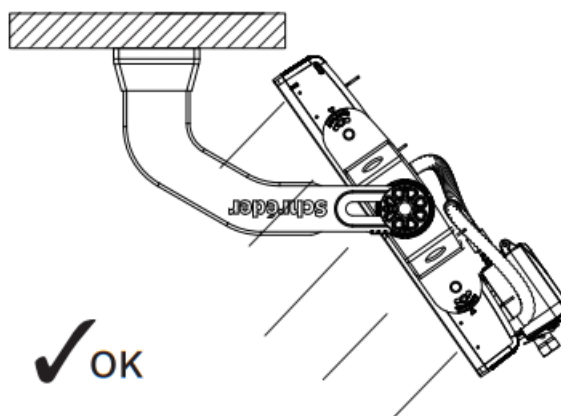
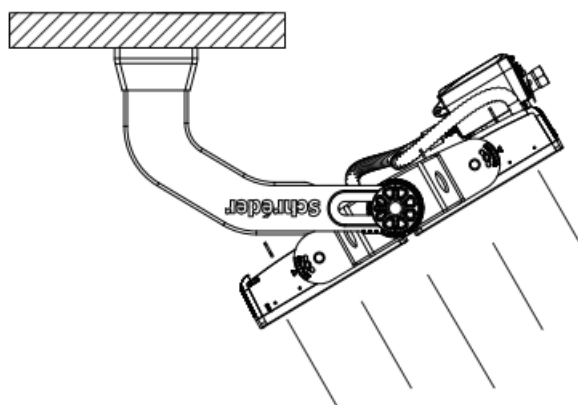


3. Tighten the clamp screws

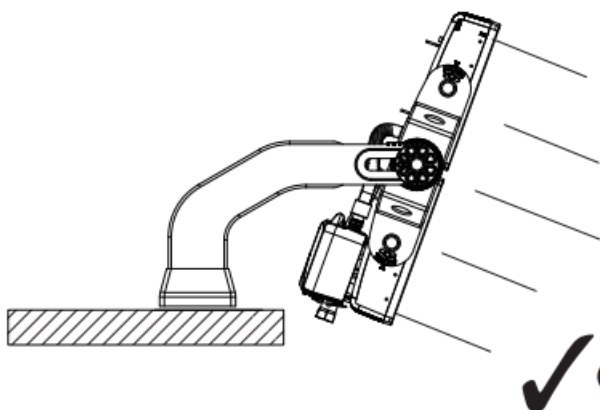


! Do not exceed the proposed torque levels, as it may result in fraction of the parts!

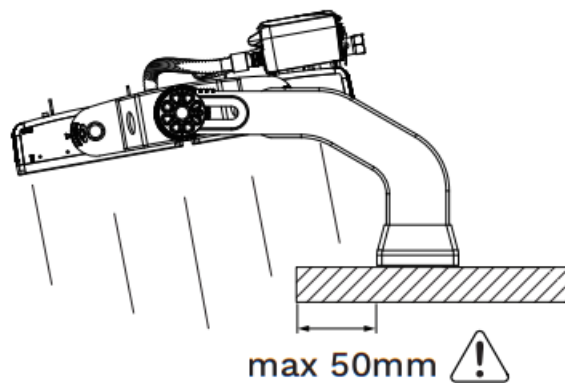
D - ALLOWED POSITIONING



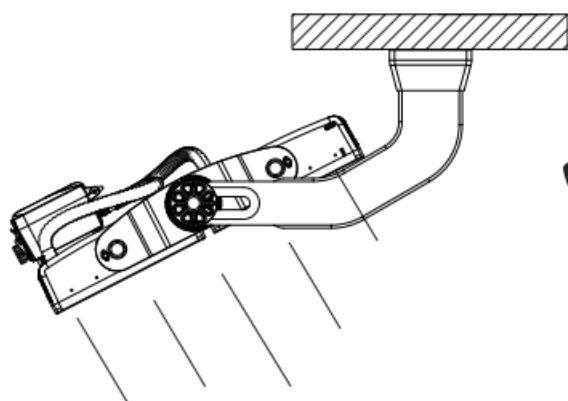
✓ OK



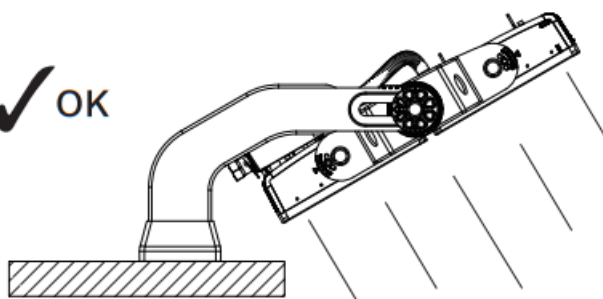
✓ OK



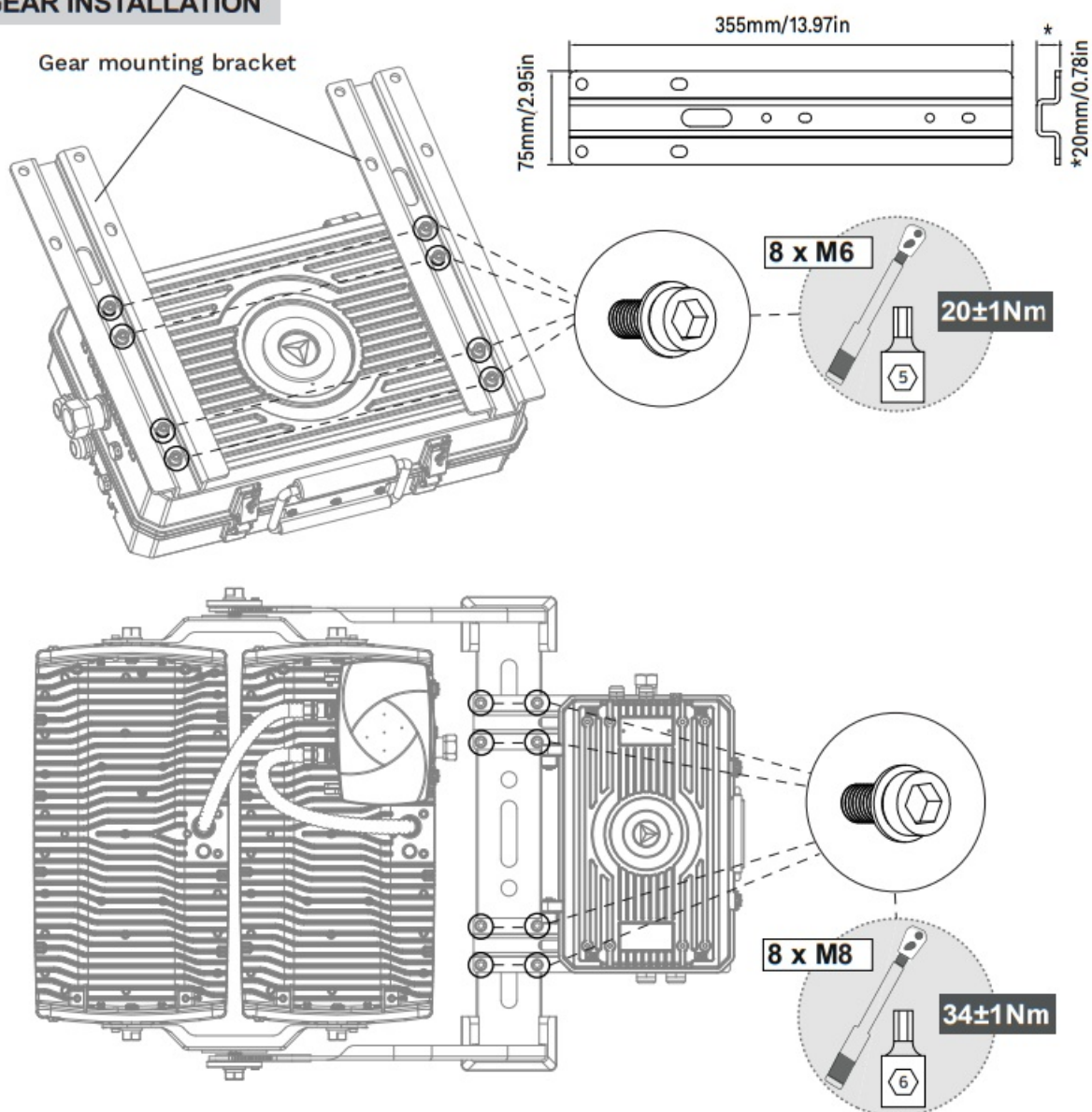
max 50mm !



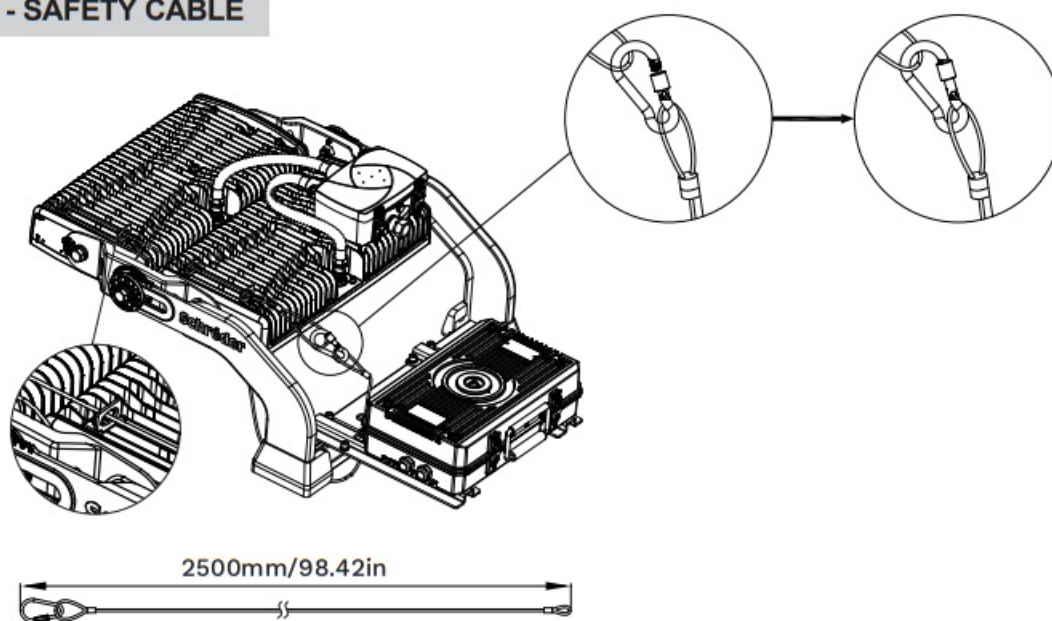
✓ OK



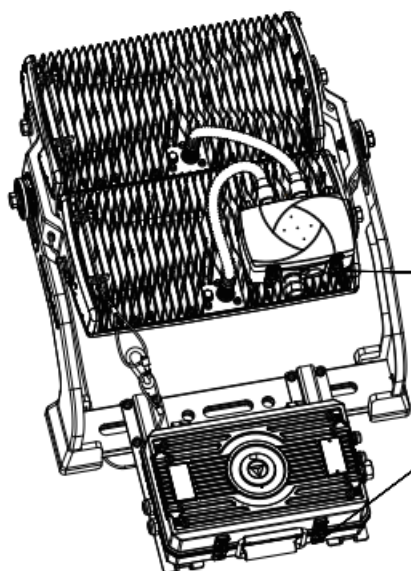
E - GEAR INSTALLATION



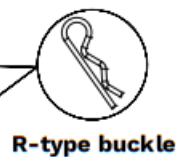
F - SAFETY CABLE



G - ELECTRICAL CONNECTION



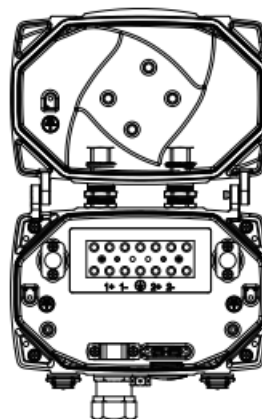
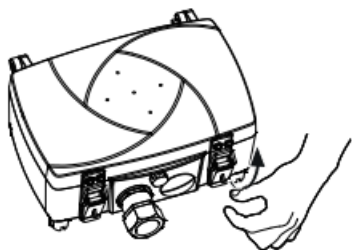
1. Remove the R-type buckles from the junction box and gear box



R-type buckle

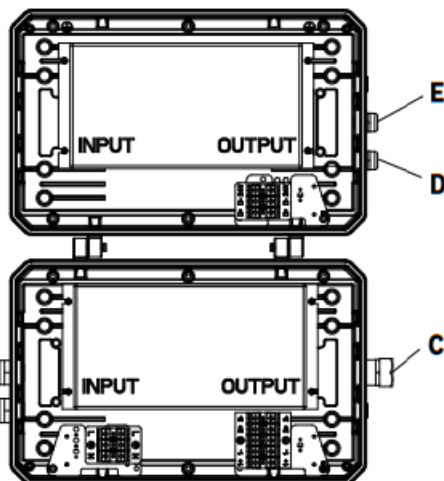
2. Open junction box and gear box

Junction box



M25 Cable Gland/cable protector compatibility

Gear box

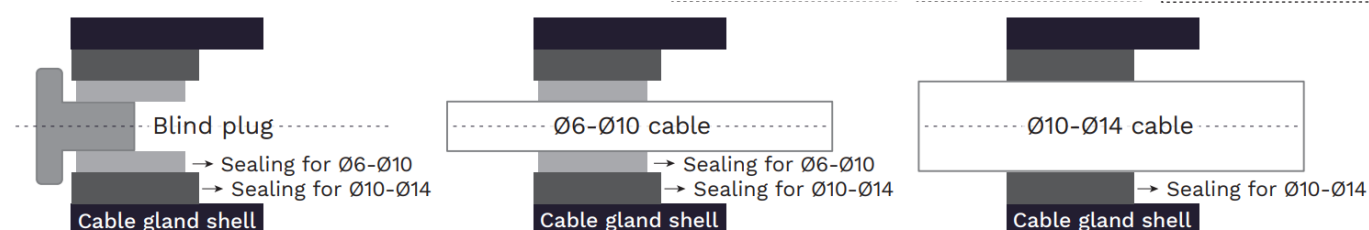
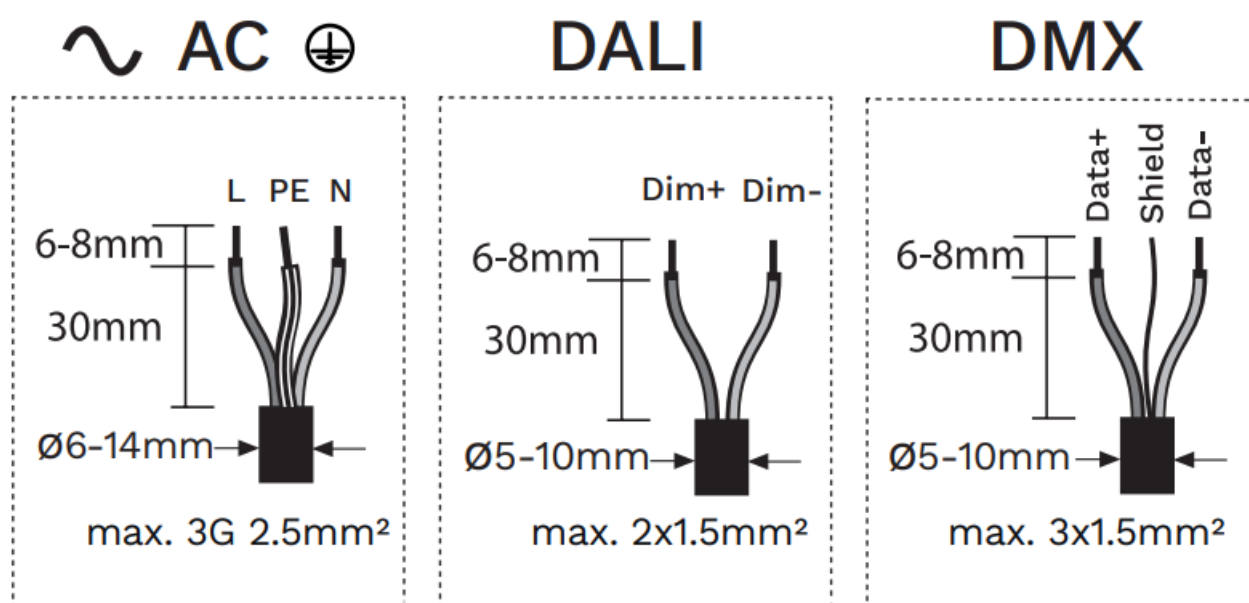


Cable ID	Connection	Cable gland	Suitable cable Ø
A	Mains input	M20	06-10mm or 010-14mm
B	Mains re-launch		
C	DC output to optical block	M25/cable protection compatibility	06-10mm or 010-14mm
D	Dimming input	M16	04.5-7.5mm or 07.5-10.5mm
E	Dimming re-launch		

Cable types and cable gland



When using a larger external diameter cable, the plug and the smaller inner diameter seal need to be removed. When using a smaller external diameter cable, simply remove the plug.



Make electrical connection

4. Make electrical connection

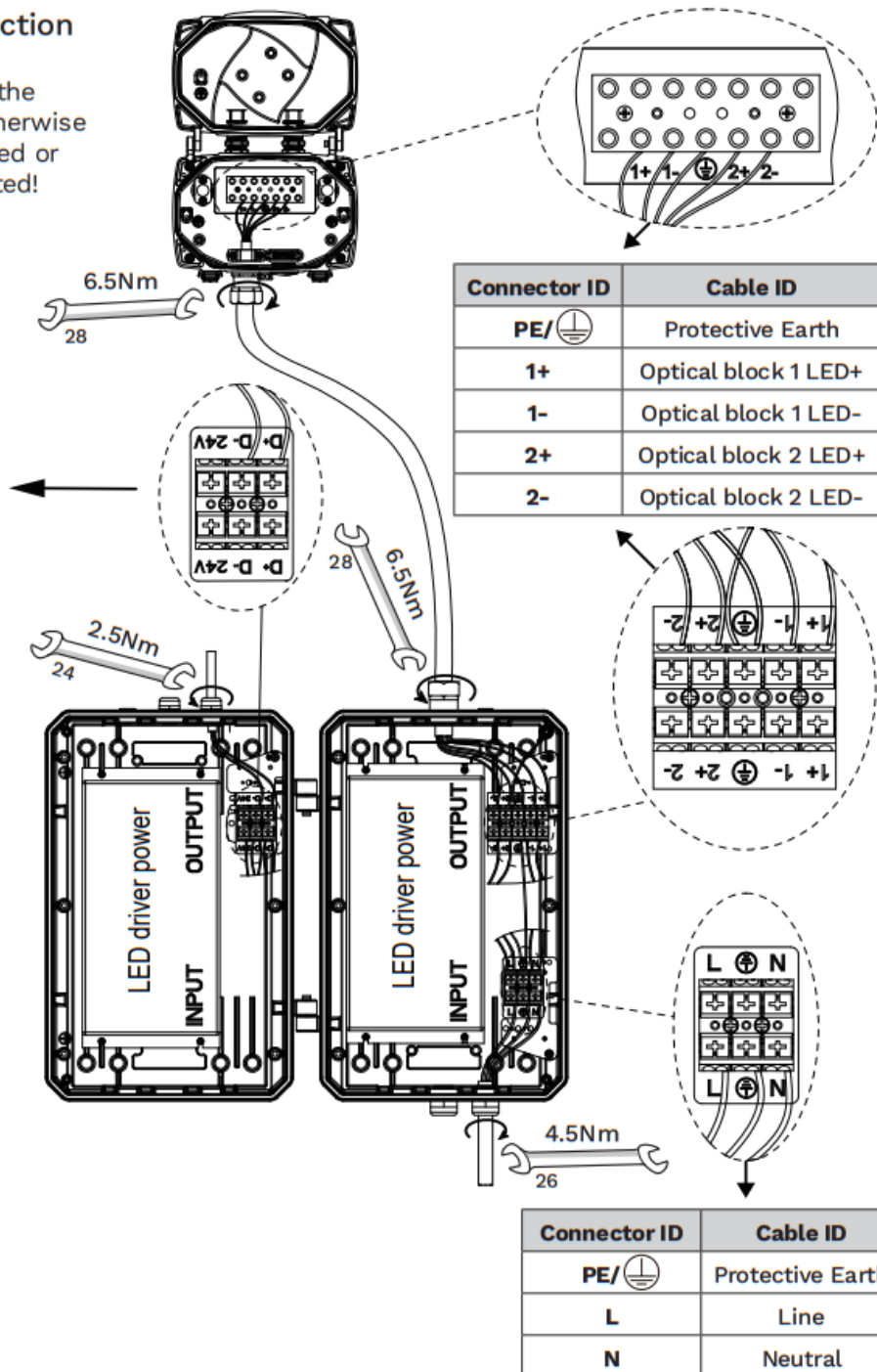
Wiring should strictly follow the marking label instruction, otherwise the product could be damaged or the functions could be affected!

DALI	
Connector ID	Cable ID
D+	DA
D-	DA/24V-
24V	24V+

0-10V	
Connector ID	Cable ID
D+	Dim+
D-	Dim-/12V-
12V	12V+

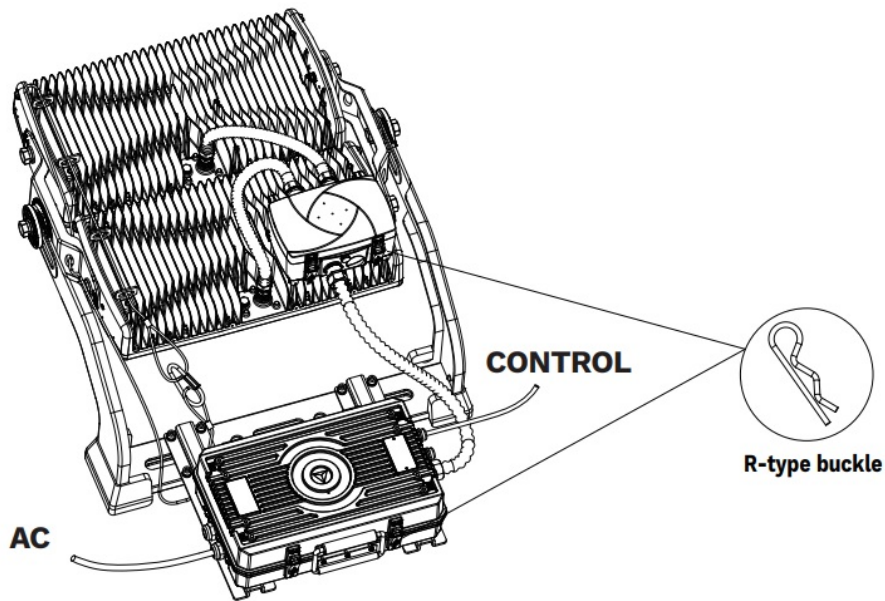
DMX	
Connector ID	Cable ID
D+	Data+
D-	Data-
Sh	Shield

AC and CONTROL cables must be connected by the installer!




Connection	Cable gland	Recommended cable type
Control signal	PG16(05-07.5/07.5-010)	HO5RN-F, 2 x 1-1.5mm ²
AC INPUT	PG20(06-010/010-014)	HO7RN-F, 3 x 1.5-4mm ²
DC OUTPUT	PG20(06-010/010-014)	HO5RN-F, 5 x 1.0mm ² = HO7RN-F, 5 x 1.5mm ²

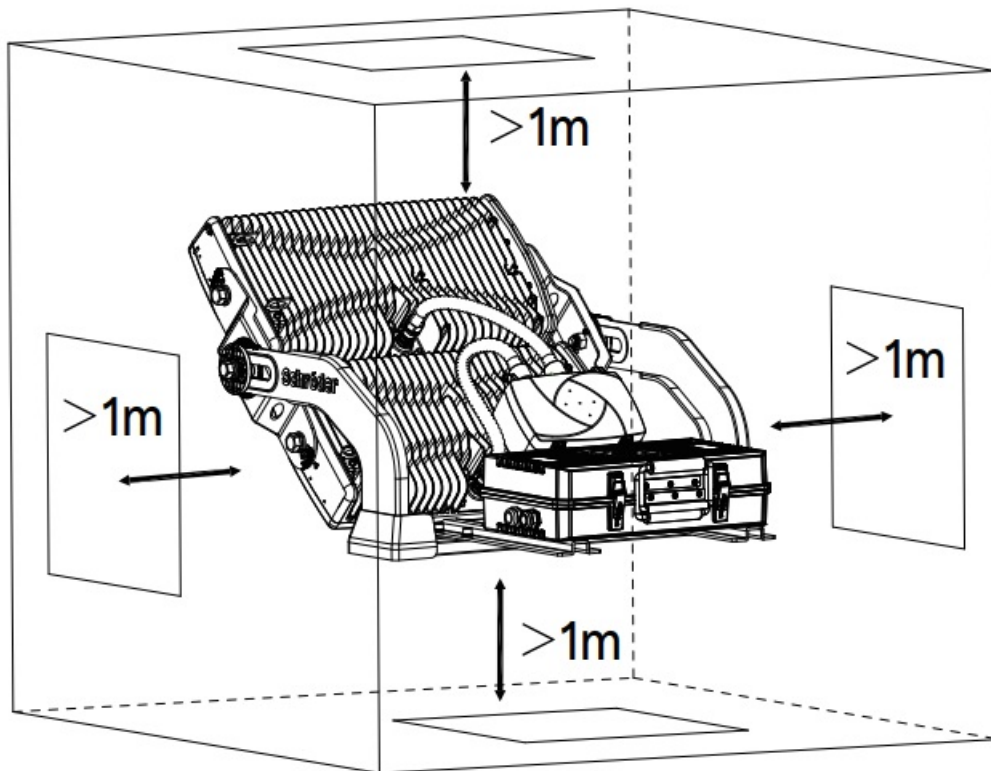
5. Close junction box and gear box




Close the cover of the junction box and gear box, and put the R-type buckles back on both.

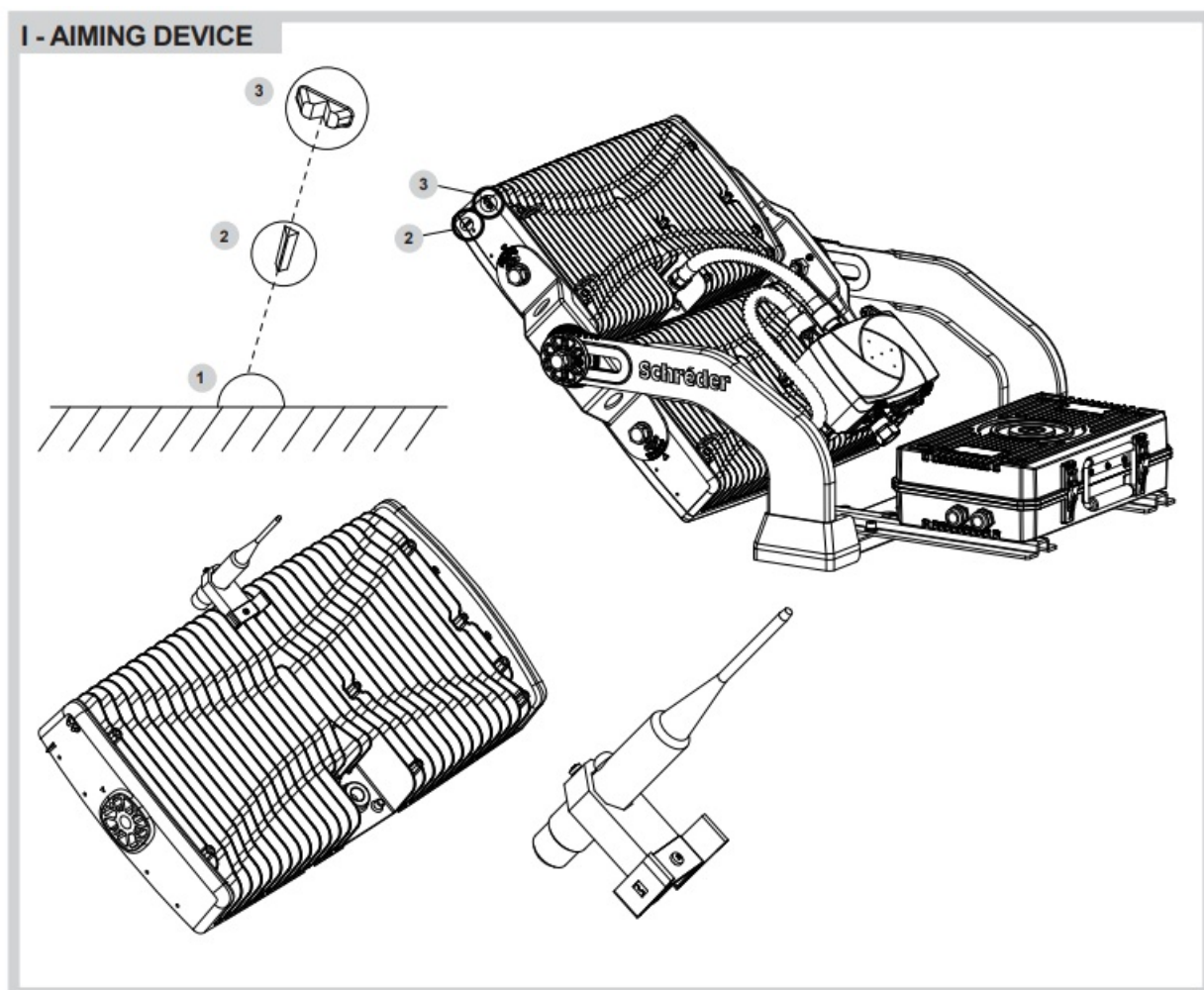
 Use metal tubes to protect the cables connected to the junction box.

RECOMMENDATIONS



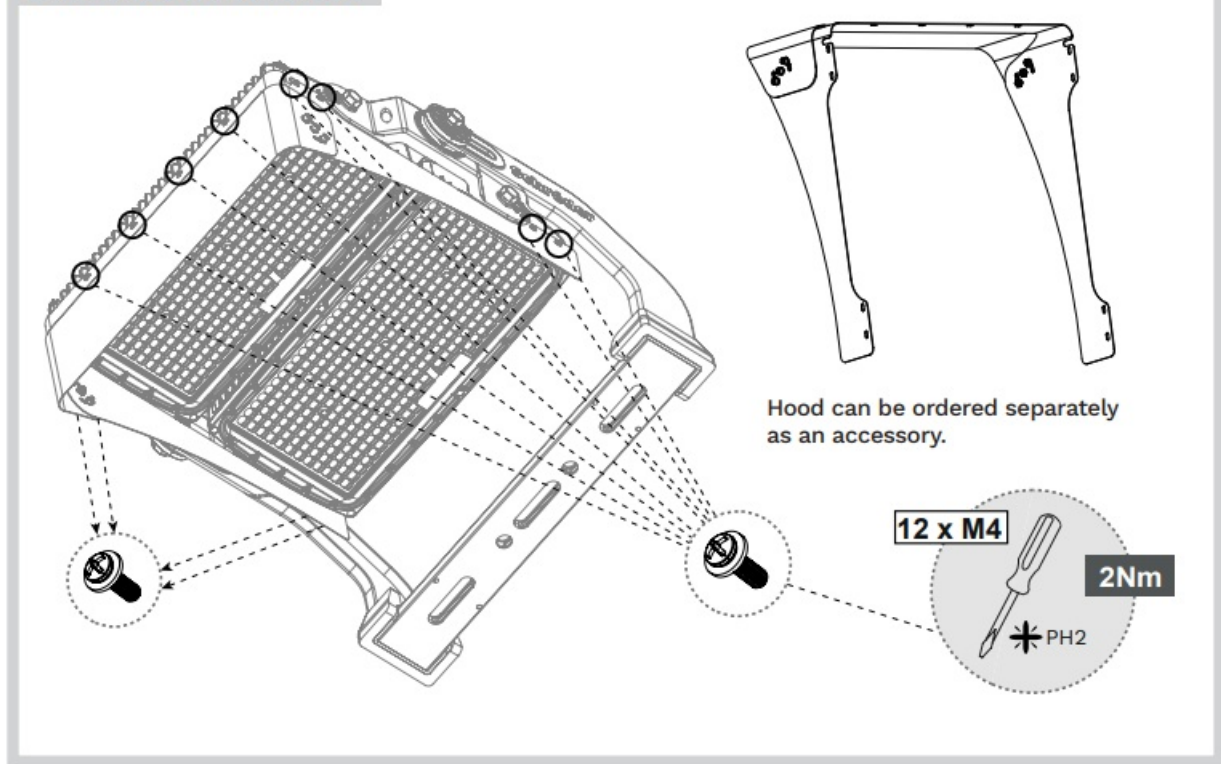
 At least 1 meter distance should be kept from surrounding walls, floor, and ceiling for all types of mounting/inclination.

Product	Driver	MCB B type						
		B10	B13	B16	B20	B25	B32	B40
BRITELINE GEN2 2 @22 0V	EUM-680MG/BG	0	1	1	1	2	2	3
BRITELINE GEN2 2 @48 0V	ESM-680MG/BG	1	1	1	2	2	3	4
Product	Driver	MCB C type						
		10	13	16	C20	C25	C32	40
BRITELINE GEN2 2 @22 0V	EUM-680MG/BG	0	1	1	1	2	2	3
BRITELINE GEN2 2 @48 0V	ESM-680MG/BG	1	2	2	3	4	5	7



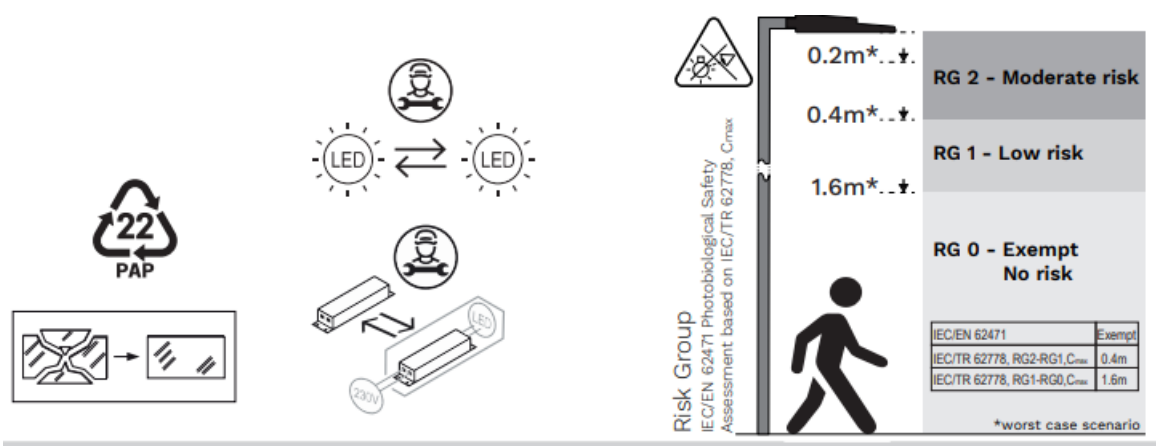
The small blocks on the side of the optical block assure the installation of the built-in aiming device. The external aiming device position 1 needs to be aligned with positions 2 and 3

J - ACCESSORIES - HOOD



SAFETY INSTRUCTIONS

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. Always switch off the power prior to installation, maintenance or repair activities. **ENG RISK GROUP 2 – CAUTION!** Hazardous optical radiation may be emitted from this product. Do not stare at the luminaire when operating as it may be harmful to the eyes. The luminaire should be positioned so that prolonged staring at the luminaire at a distance of less than 0.2m is not expected. This product contains a light source of an energy efficiency class G or higher. In case of PVC insulated mains cable, the installer **MUST** ensure that the **WHOLE** cable is protected against climatic conditions, especially UV rays and rain, by making sure that the cable is contained inside the luminaire and pole Y-connection: In case of damage to the wire, it has to be replaced only by the manufacturer/distributor or by an expert, to avoid risks.



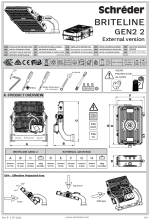
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Documents / Resources



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External version, Briteline Gen2 2 External Version, Briteline Gen2 2, Briteline External Version
, Briteline