

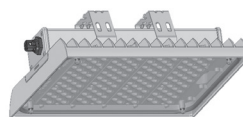
PHILIPS

Tubepoint

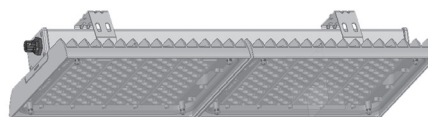
BGP222/232/223/233
224/234



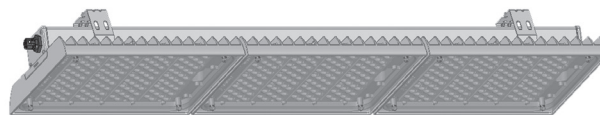
BGP222/232



BGP223/233



BGP224/234



220V
240V

50Hz
60Hz



IEC
EN60598

LEDs

IP66

IK08

LEDs



Ta
35 °C

Ta
Min.
-30°C



Photobiological Risk
Inrush Current (230VAC) (Apk/μs)
Luminaire Surge Protection
Luminaire Surge Protection with SPD * Optional

RG1
53/280
6KV
10KV



LEDs

W
+/- 10%

Drivers

lumen



m²

kg

CORE BGP222

840	LED170	144	134	1	17000	✓	✓	0,038	8kg
840	LED190	144	152	1	19000	✓	✓	0,038	8kg

PERFORMER BGP232

840	LED170	144	134	1	17000	✓	✓	0,038	8Kg
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CORE BGP223

840	LED340	288	270	2	34000	✓	✓	0,078	14kg
840	LED380	288	305	2	38000	✓	✓	0,078	14kg

PERFORMER BGP233

840	LED340	288	270	2	34000	✓	✓	0,078	14kg
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CORE BGP224

840	LED520	432	410	3	52000	✓	✓	0,12	20kg
840	LED610	432	480	3	61000	✓	✓	0,12	20kg

PERFORMER BGP234

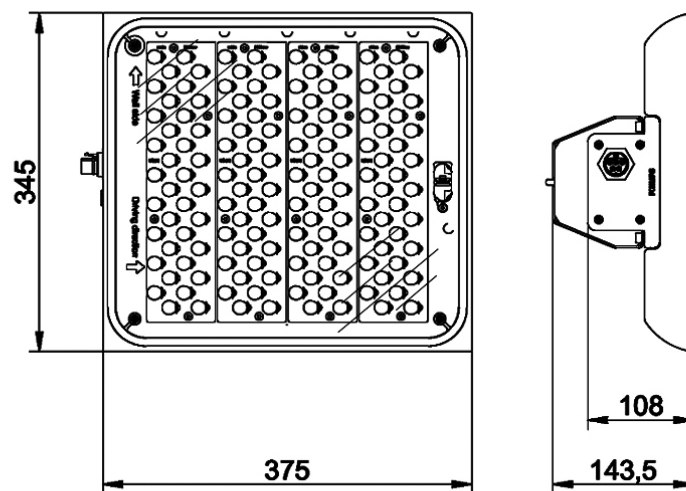
840	LED520	432	410	3	52000	✓	✓	0,12	20kg
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Temperature protection:

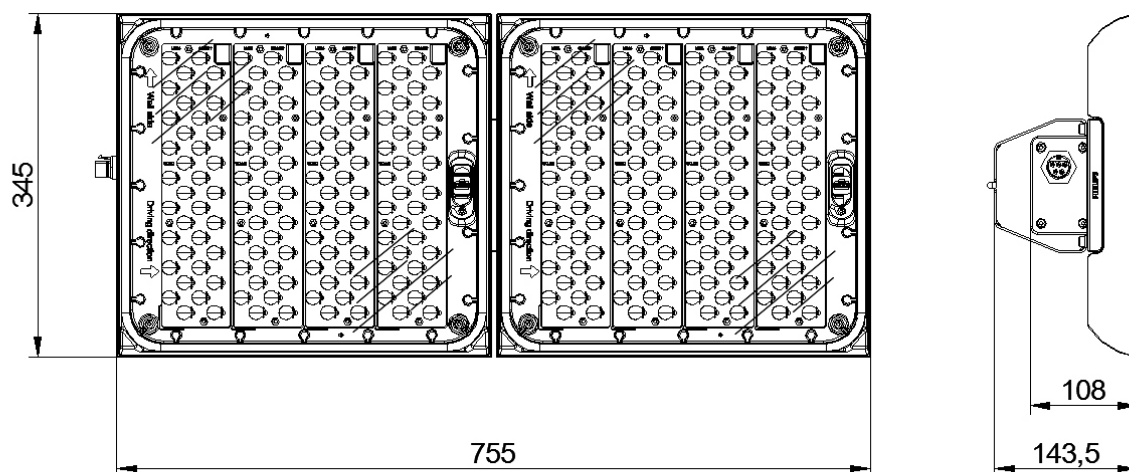
Driver has a temperature protection.

If the driver is too warm it switches off. Power will return automatically when the temperature has dropped again.

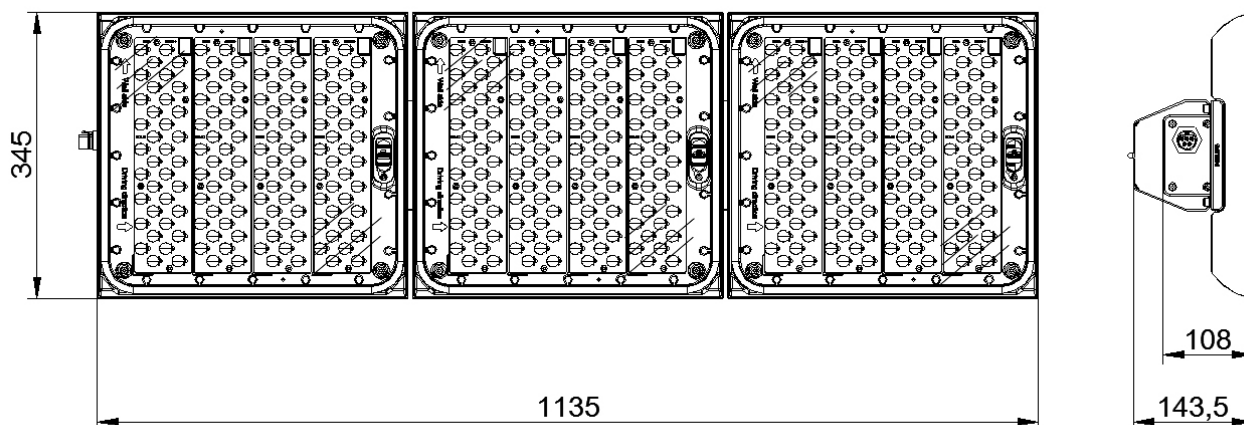
BGP222/232



BGP223/233



BGP224/234



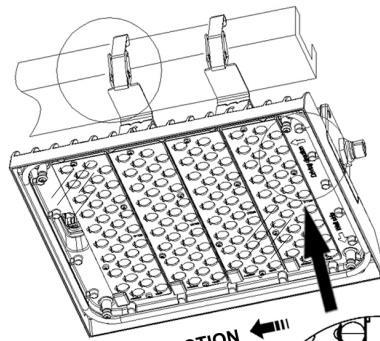
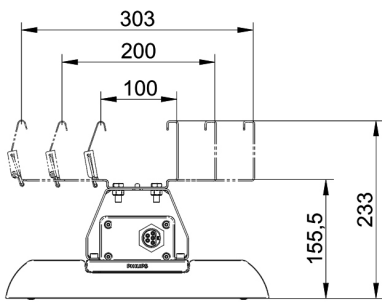
This luminaire must be installed only by qualified personnel



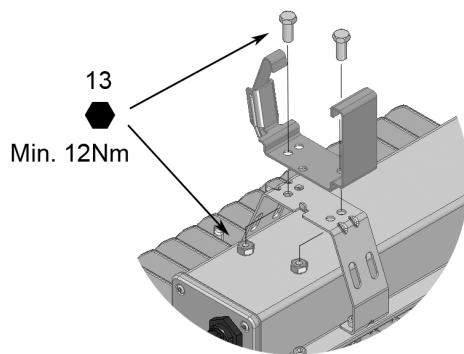
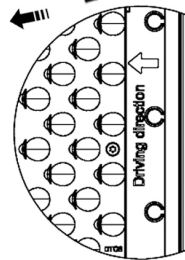
Disconnect before servicing

MOUNTING DEVICES

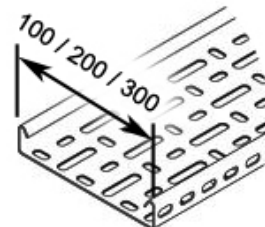
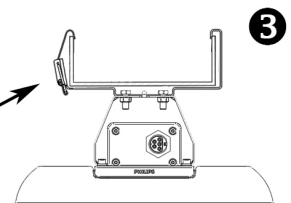
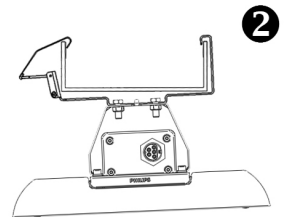
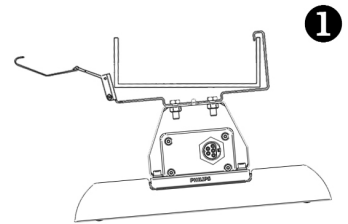
MBQ-S/M/L



DRIVING DIRECTION

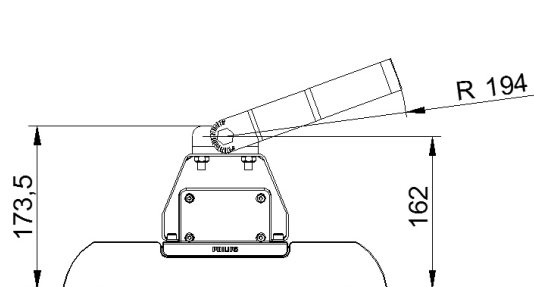


13
Min. 12Nm

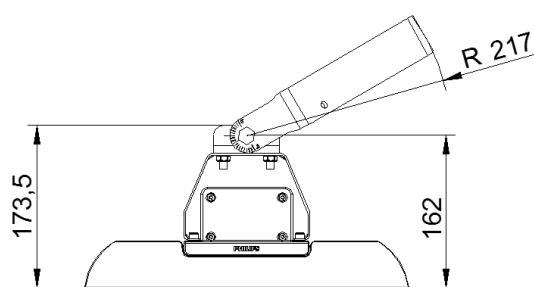


The rails should be in stainless steel (AISI-304) or better.
Are specified in IEC EN 61537

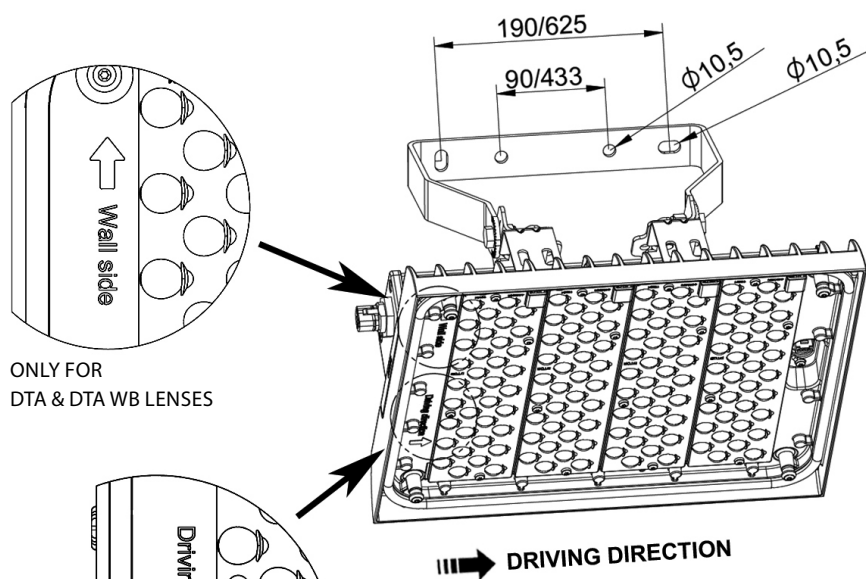
MBA



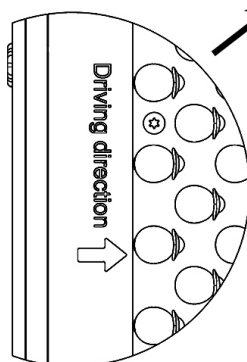
BGP222/232
BGP223/233



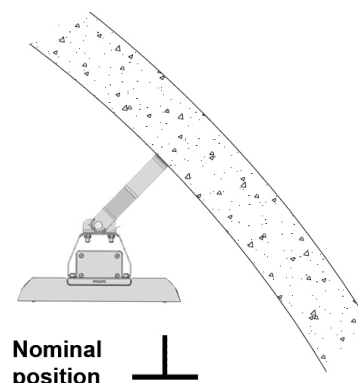
BGP224/234



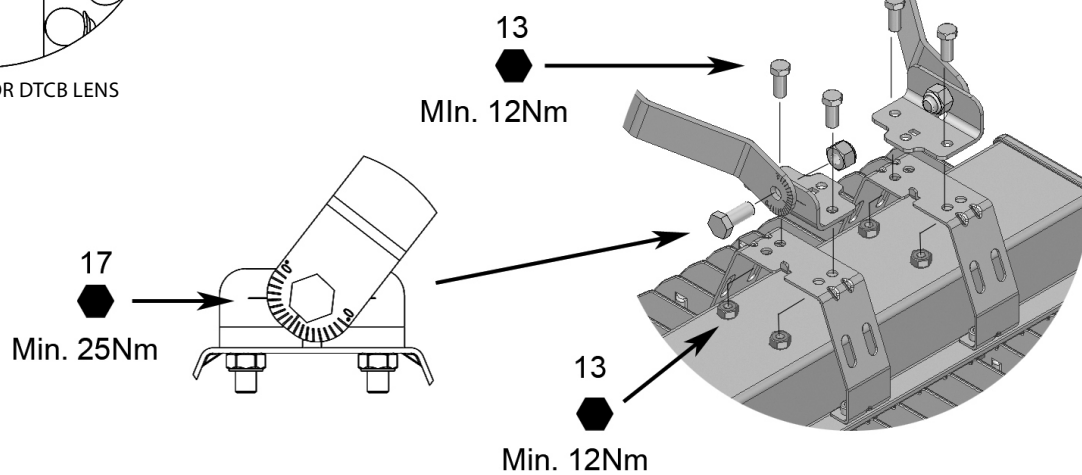
ONLY FOR
DTA & DTA WB LENSES

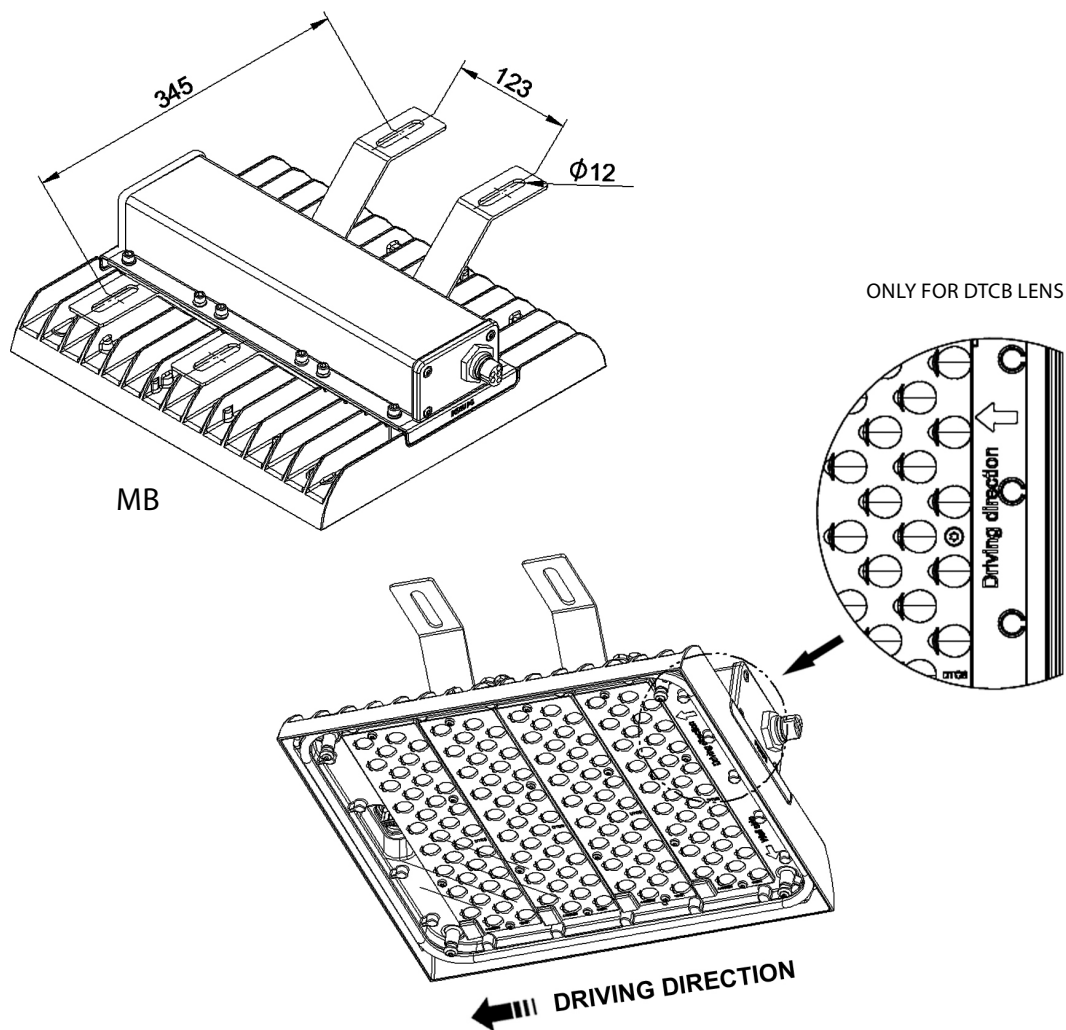


ONLY FOR DTCB LENS

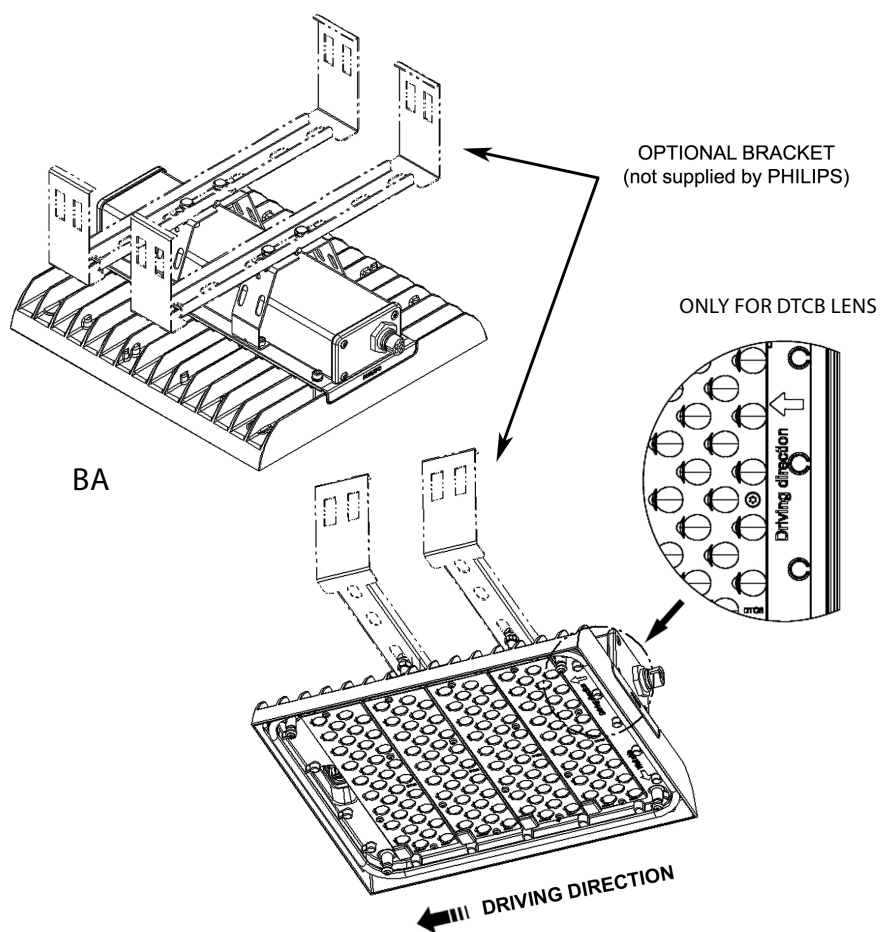


Nominal
position





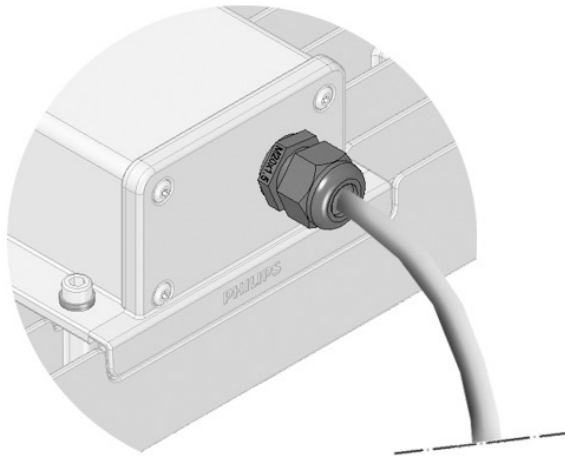
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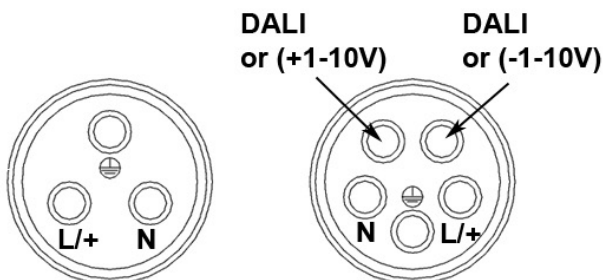
4

TYPES OF MAIN CONNECTORS

CFW (included supply cable)

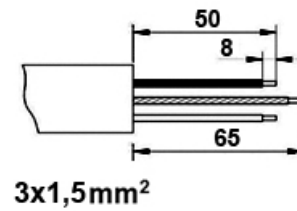


GEWISS connector (C1K5CE)



(2 poles or 4 poles + ground)
Class-II without ground
(watch side "A")

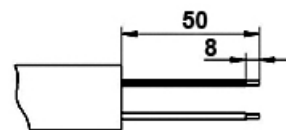
Power connection Class-I



3x1,5mm²

L	LINE (Brown)
	GROUND (Yellow & Green)
N	NEUTRAL (Blue)
1	-
2	-

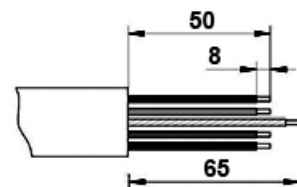
Power connection Class-II



2x1,5mm²

L	LINE (Brown)
N	NEUTRAL (Blue)
1	-
2	-

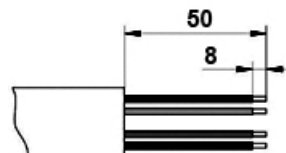
Power & Control Line connection Class-I



5x1,5mm²

L	LINE (Brown)
	GROUND (Yellow & Green)
N	NEUTRAL (Blue)
1	(+1-10v) or DALI
2	(-1-10v) or DALI

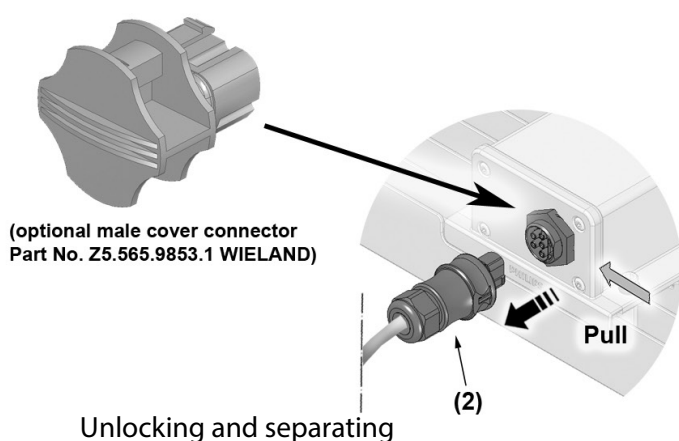
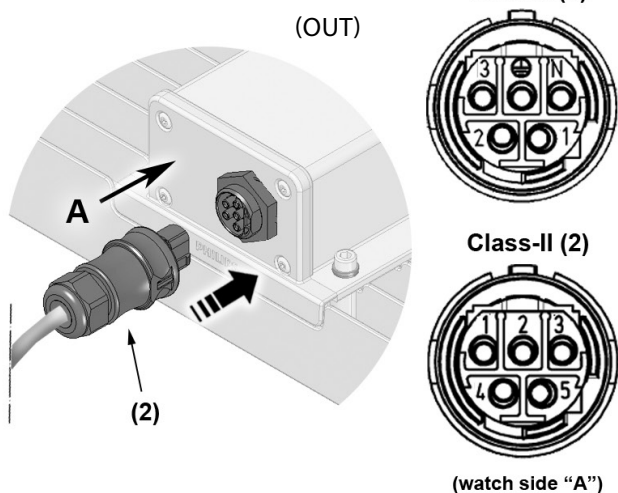
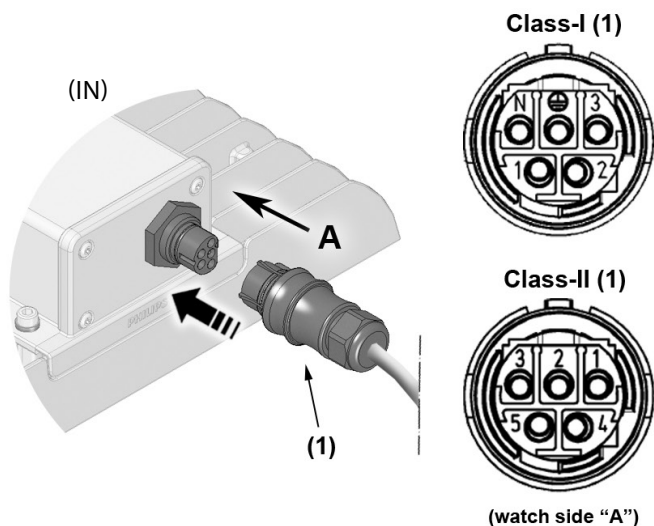
Power & Control Line connection Class-II



4x1,5mm²

L	LINE (Brown)
N	NEUTRAL (Blue)
1	(+1-10v) or DALI
2	(-1-10v) or DALI

POWER (TW1/3) OR POWER MDO (TW1)



Power & TW1 connection Class-I

 3x1,5mm ²	3	LINE (Brown)
		GROUND (Yellow & Green)
	N	NEUTRAL (Blue)
	1	-
	2	-

Power & TW1 connection Class-II

 2x1,5mm ²	1	LINE (Brown)
	2	-
	3	NEUTRAL (Blue)
	4	-
	5	-

Power & TW1 & Control Line connection Class-I

 5x1,5mm ²	3	LINE (Brown)
		GROUND (Yellow & Green)
	N	NEUTRAL (Blue)
	1	(+1-10v) or DALI
	2	(-1-10v) or DALI

Power & TW1 & Control Line connection Class-II

 4x1,5mm ²	1	LINE (Brown)
	2	-
	3	NEUTRAL (Blue)
	4	(-1-10v) or DALI
	5	(+1-10v) or DALI

Power & TW3 connection Class-I (3 phases)

 5x1,5mm ²		Enter side	Opposite side
	3	LINE-1	LINE-3
	2	LINE-3	LINE-2
	1	LINE-2	LINE-1
		GROUND (Yellow & Green)	
	N	NEUTRAL (Blue)	

Power & TW3 connection Class-II (3 phases)

 4x1,5mm ²		Enter side	Opposite side
	1	LINE-1	LINE-3
	4	LINE-3	LINE-2
	5	LINE-2	LINE-1
	3	NEUTRAL (Blue)	



Class-II (1)

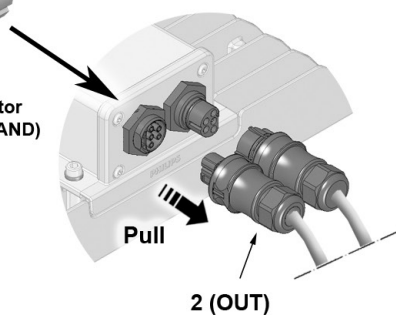
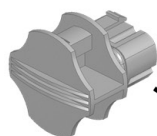


Class-II (2) (watch side "A")



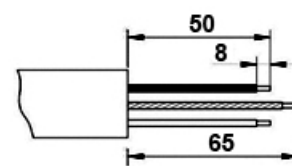
(watch side "A")


Unlocking and separating



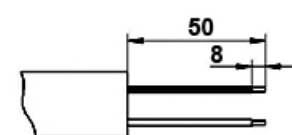
2 (OUT)

Power connection Class-I



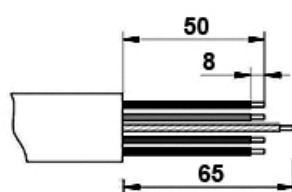
3	LINE (Brown)
	GROUND (Yellow & Green)
N	NEUTRAL (Blue)
1	-
2	-


Power connection Class-II



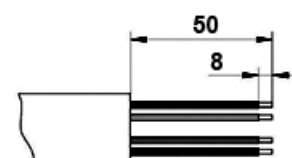
1	LINE (Brown)
2	-
3	NEUTRAL (Blue)
4	-
5	-

Power & Control Line connection Class-I



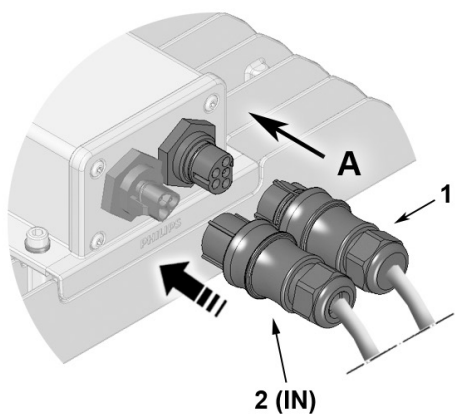
3	LINE (Brown)
	NEUTRAL (Blue)
N	NEUTRAL (Blue)
1	(+1-10v) or DALI
2	(-1-10v) or DALI

Power & Control Line connection Class-II



1	LINE (Brown)
2	-
3	NEUTRAL (Blue)
4	(-1-10v) or DALI
5	(+1-10v) or DALI

MDD CONNECTION



Class-I (1)



Class-II (1)

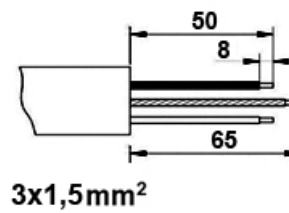


Control (2)



(watch side "A")

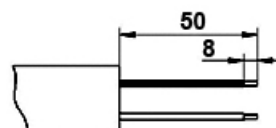
Power & TW1 connection Class-I



3x1,5mm²

3	LINE (Brown)
	GROUND (Yellow & Green)
N	NEUTRAL (Blue)
1	-
2	-

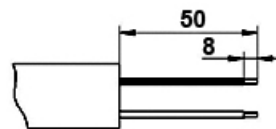
Power & TW1 connection -1- Class-II



2x1,5mm²

1	LINE (Brown)
2	-
3	NEUTRAL (Blue)
4	-
5	-

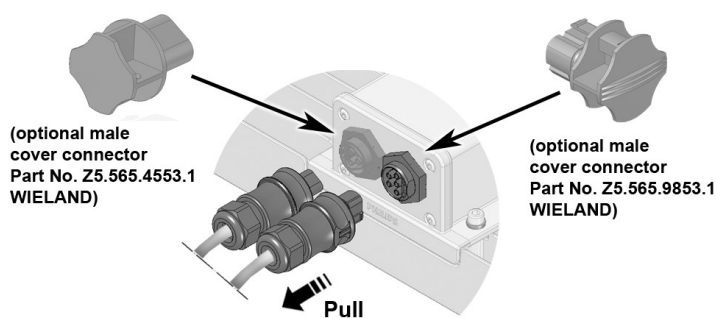
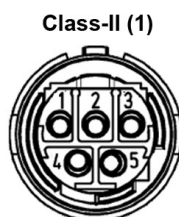
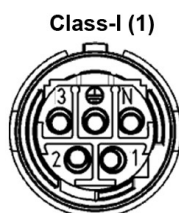
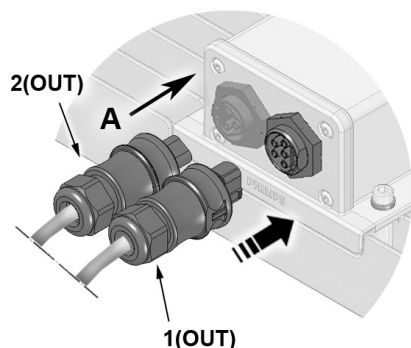
Control Line & TW1 connection -2-



2x1,5mm²

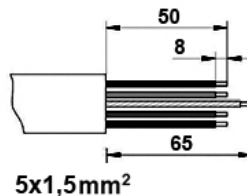
1	(+1-10v) or DALI
2	(-1-10v) or DALI

MDD CONNECTION (TW1/3) (opposite side)



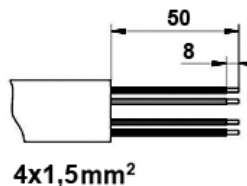
Unlocking and separating

Power TW3 connection -1- Class-I (3 phases)



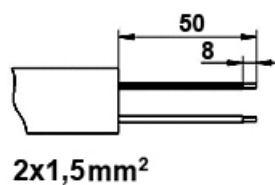
	Enter side	Opposite side
3	LINE-1	LINE-3
2	LINE-3	LINE-2
1	LINE-2	LINE-1
	GROUND (Yellow & Green)	
N	NEUTRAL (Blue)	

Power TW3 connection -1- Class-II (3 phases)



	Enter side	Opposite side
1	LINE-1	LINE-3
4	LINE-3	LINE-2
5	LINE-2	LINE-1
3	NEUTRAL (Blue)	

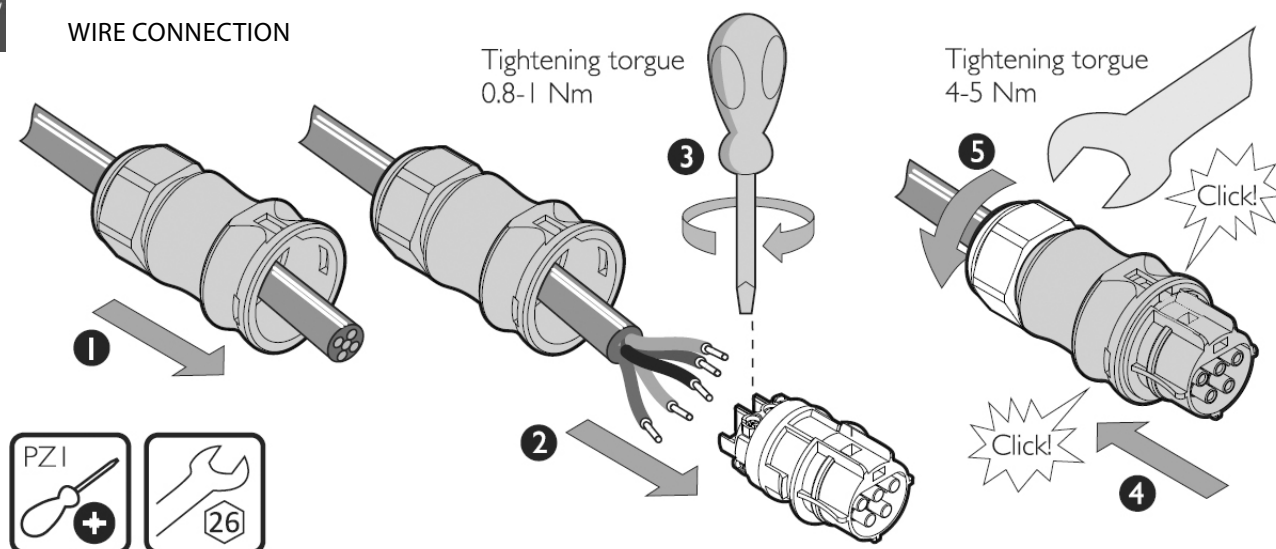
Control Line connection -2- (TW1/3)



1	(+1-10v) or DALI
2	(-1-10v) or DALI



WIRE CONNECTION

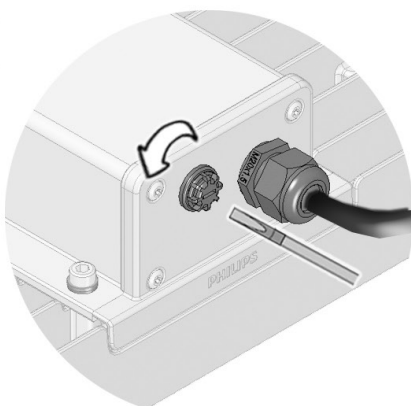


**The connectors are not for current interrupting.
Never connect or disconnect under load.**

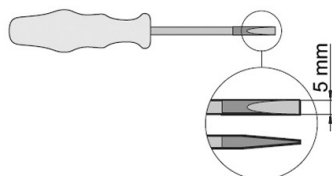
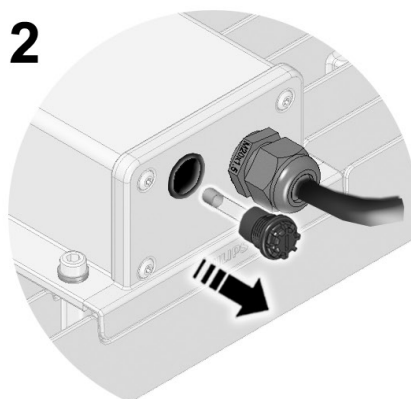


FUSE REPLACEMENT

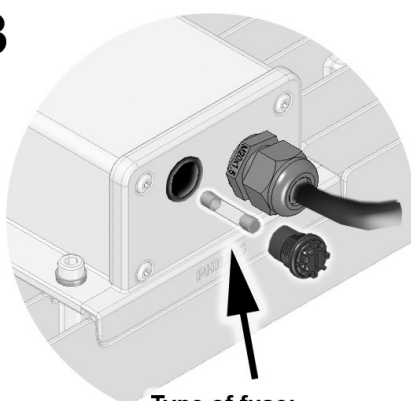
1



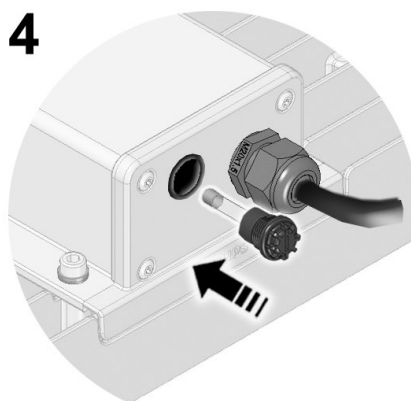
2



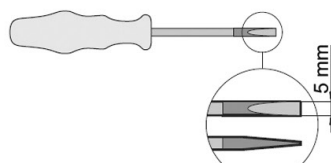
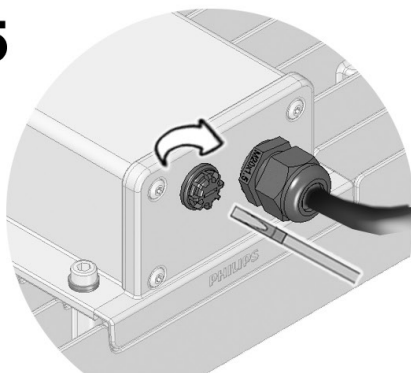
3



4



5



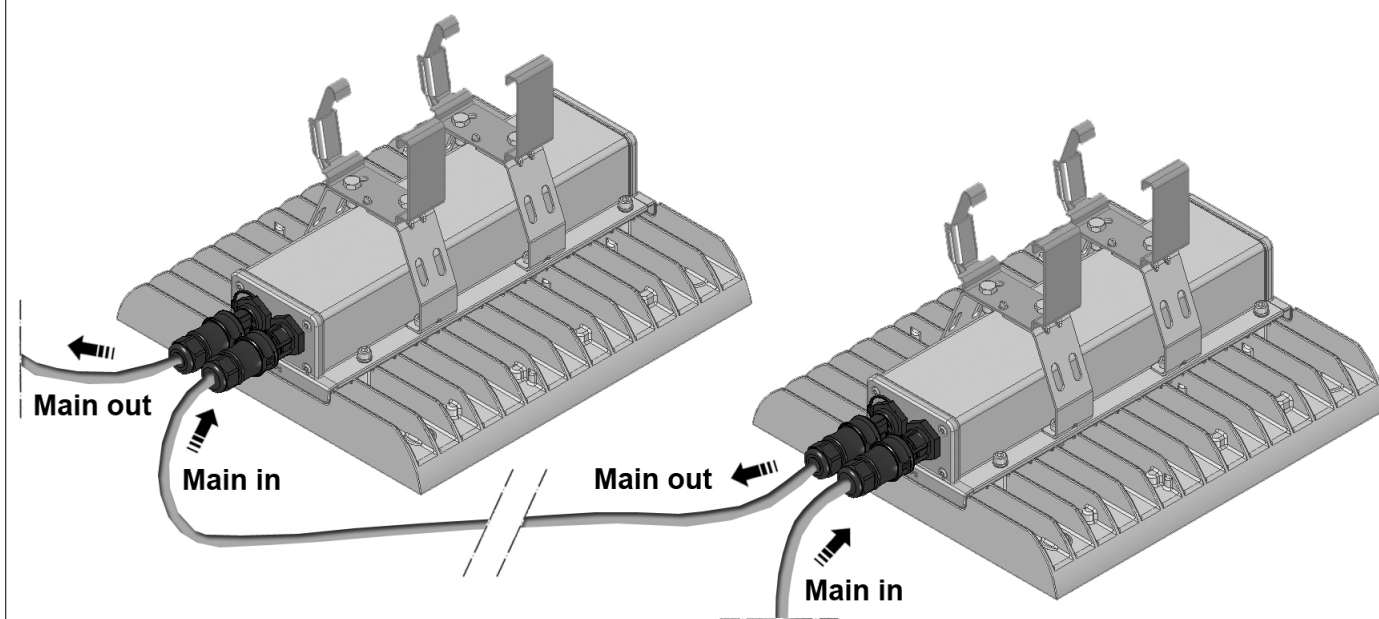
Type of fuse:

GLASS FUSE 230V. CIL 6x32 SLOW BLOW 1A for BGP222/232

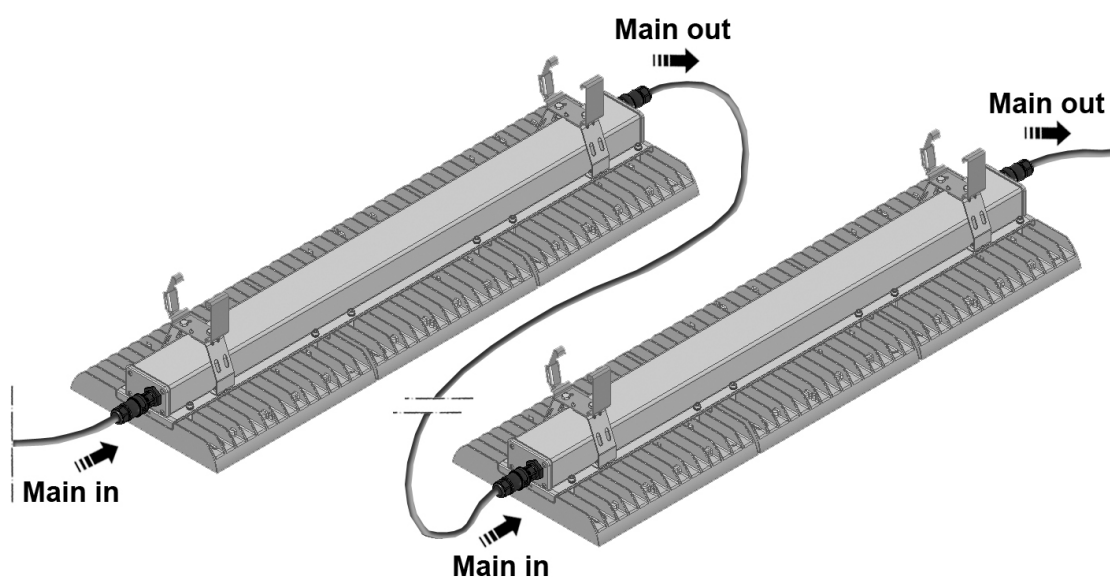
GLASS FUSE 230V. CIL 6x32 SLOW BLOW 2A for BGP223/233

GLASS FUSE 230V. CIL 6x32 SLOW BLOW 3,15A for BGP224/234

MOUNTING DETAIL FOR TC or TC5

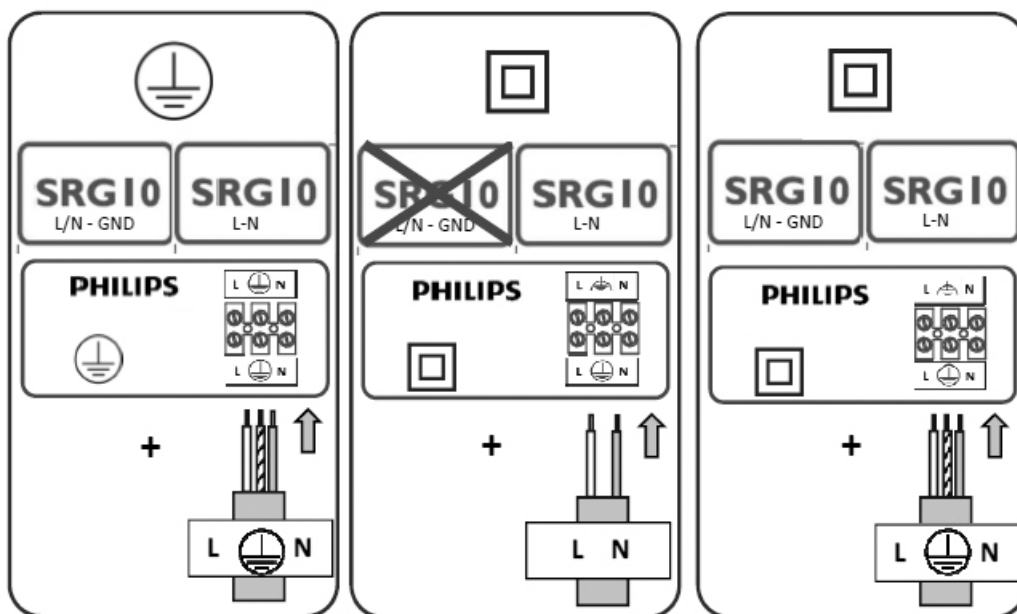
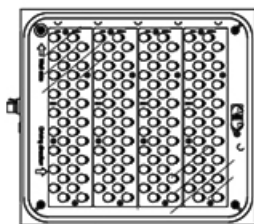


MOUNTING DETAIL FOR TW1/3



The maximum number of luminaires to connect depend on the driver power and electrical protect type in version TC/TC5 and TW1/TW3

Driver Power (W)	Maximum number of luminaires to install		Type of electrical protection installation
150 (BGP222/232)	8		MCB 16A B
150 (BGP222/232)	13		MCB 16A C
150 (BGP223/233)	4		MCB 16A B
150 (BGP223/233)	6		MCB 16A C
150 (BGP224/234)	2 (1 phase)	6 (3 phases)	MCB 16A B
150 (BGP224/234)	4 (1 phase)	12 (3 phases)	MCB 16A C





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