



AMP S/L

- AMP S/L (BAS) CH (TW)
- AMP S/L (BAS) PC (TW/QC3/QC5/QCTW)
- AMP S/L (BAS) PM (TW)

- AMP S/L BM (bmLINK)
- AMP S/L BMS (bmLINK + MW sensor)

bmLINK = DALI via Bluetooth® Mesh



AMP L XT

- AMP L XT CH (TW)
- AMP L XT PC (TW/QC3/QC5/QCTW)
- AMP L XT PM (TW)



EN Mounting instructions

Important notices. Please, read first! Keep the instructions safe! Specifications are subject to change without notice! If you have questions, please contact the manufacturer.

DE Montageanleitung

Wichtige Hinweise. Bitte zuerst lesen! Anleitung aufbewahren! Technische Änderungen vorbehalten! Bei Fragen wenden Sie sich an den Hersteller.

FR Notice de montage

Remarques importantes. À lire en premier lieu! Conservez cette notice! Modifications techniques sans préavis! Si vous avez des questions, veuillez contacter le fabricant.

IT Istruzioni di montaggio

Nota importanti. Si prega di leggere prima! Conservare le istruzioni! Modifiche tecniche senza preavviso! Per chiarimenti rivolgersi al produttore.

ES Instrucciones de montaje

Notas importantes. Por favor, lea primero! ¡Guarde las instrucciones! ¡Reservado el derecho de realizar modificaciones técnicas sin preaviso! Si tiene alguna pregunta, póngase en contacto con el fabricante.

NL Montagehandleiding

Belangrijke informatie. Gelieve eerst te lezen! Houd deze gebruiksaanwijzingen zorgvuldig bij! Technische wijzigingen blijven voorbehouden! Als u vragen hebt, kan u contact opnemen met de fabrikant.

SV Installationsanvisning

Viktigt information. Läs först! Spara anvisningen! Med reservation för tekniska ändringar! Om du har frågor ber vi dig ta kontakt med tillverkaren.

FI Asennusohje

Tärkeä huomautus. Lue ensin! Säilytä käyttöopas! Oikeudet teknisiin muutoksiin pidätetään! Lähetä mahdolliset kysymykset valmistajalle.

RU Инструкция по монтажу

Важная информация. Просьба ознакомиться перед началом работ! Сохраняйте инструкции! Компания сохраняет за собой право на внесение технических изменений. При возникновении вопросов обращайтесь к производителю.

PL Instrukcja montażu

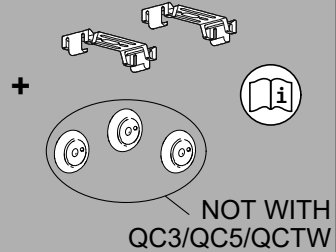
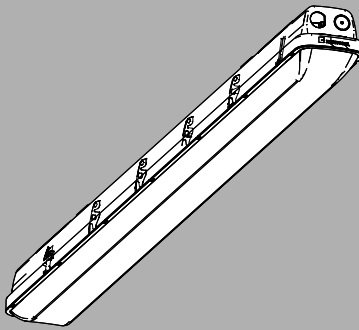
Ważne wskazówki/ uwagi. Proszę pierwsze przeczytać całość instrukcji. Proszę zachować instrukcję! Zastrzega się prawo do wprowadzania zmian technicznych. W razie pytań skontaktuj się z producentem.

ZH

安装说明
重要提示。请先阅读！保留本说明！
请勿执行技术变动！
如有问题，请咨询制造商。

AR

تعليمات التركيب
ملاحظات هامة. يرجى القراءة أولاً!
إبقاء التعليمات!
تخضع المواصفات للتغيير دون تقديم إشعار!
إذا كان لديك أسئلة، الرجاء الاتصال بالشركة المصنعة.



i OPTIONS



www.zumtobel.com/amphibia



MWS/MWCF (pages 5-7):
presence detector/
presence detector + Corridor Function

MWRF/RF (pages 8+9):
Wireless Remote Function modules
+ Corridor Function

TW (pages 12+13):
Through Wiring

QC3/QC5/QCTW (pages 14+15):
Quick Connect

E3, E3D, E3D-UK:
Emergency options (page 16)

Light distributions: NB, MB, WB, AB:
Narrow, Medium, Wide, Asymmetric Beam

BM: bmLINK ONLY
BMS: bmLINK + MWCF (sensor)

i OPTION: bmLINK (AMP BM, BMS)



DALI via Bluetooth® Mesh

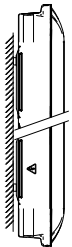


www.zumtobel.com/bmLINK



i MOUNTING OPTIONS

Wall/Ceiling (page 11)

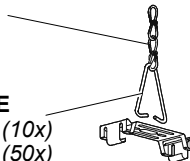


Chain (page 11)



ZAKK
20042906
20969682

TRIANGLE
22157561 (10x)
22157562 (50x)



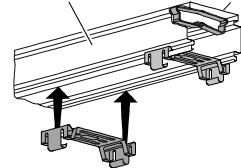
ZX2 T (page 11)



ZX2 T 3240:

22157860 (WH)
22157859 (G)
22157858 (V2A)

VKT



www.zumtobel.com/ZX2

i

SEALING GROMMET

22157839



50x

HOLDER FOR THROUGH WIRING

22170888



1x

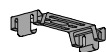
MOUNTING SET AMPHIBIA

59010369



3x

+



2x

CORROSION RESISTANT BRACKET SET C4

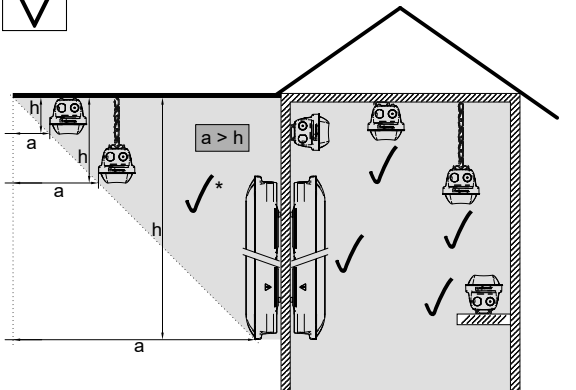
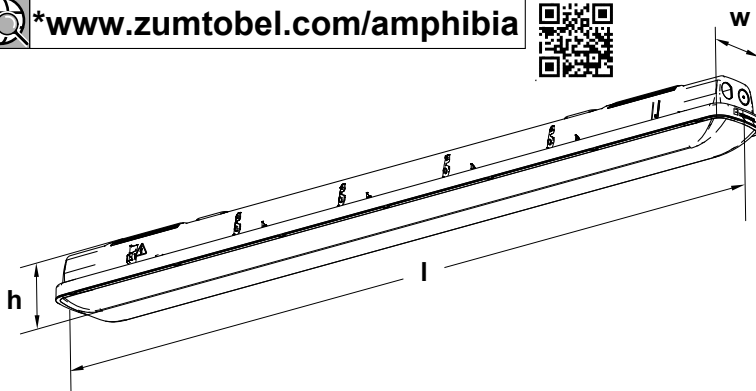
22171204



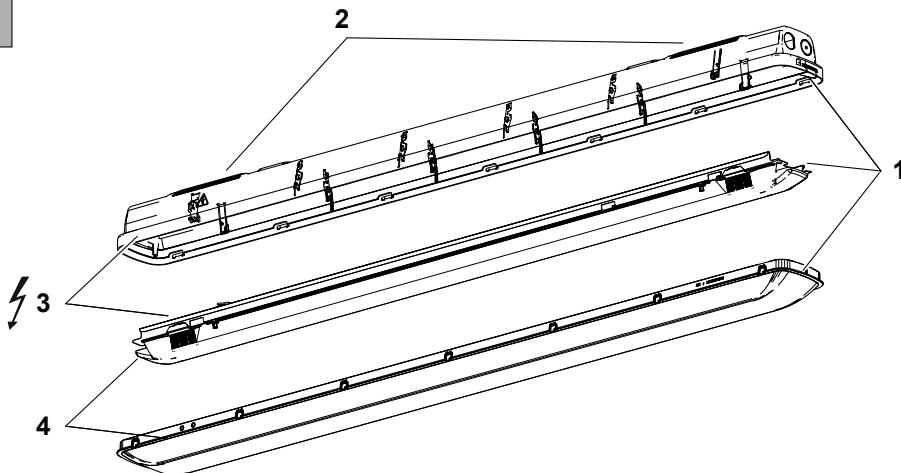
2x

i**IP66****IK08**
AMP PC**IK07**
AMP CH**IK03**
AMP PM

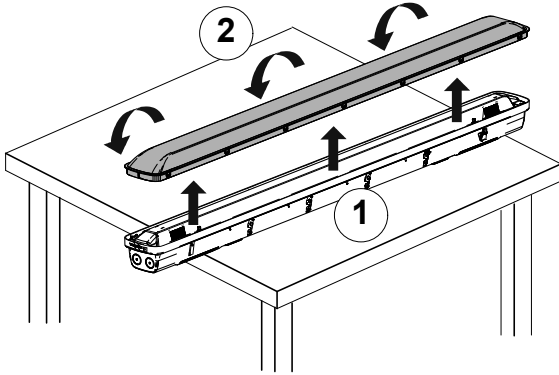
*only (-20°C - +40°C):
 AMP S BAS 2900 PC
 AMP S 4600 PC
 AMP L 4600 PC
 AMP L 6400 PC
 AMP L XT 4600 PC
 AMP L XT 6400 PC


**i***www.zumtobel.com/amphibia

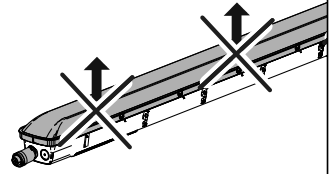
	l	w	h	m	OPTIONS
AMP S	ca.1100 mm	91,5 mm	90 mm	1,7 kg	www.*
AMP L	ca.1600 mm	91,5 mm	90 mm	2,1 kg	www.*

i

1a

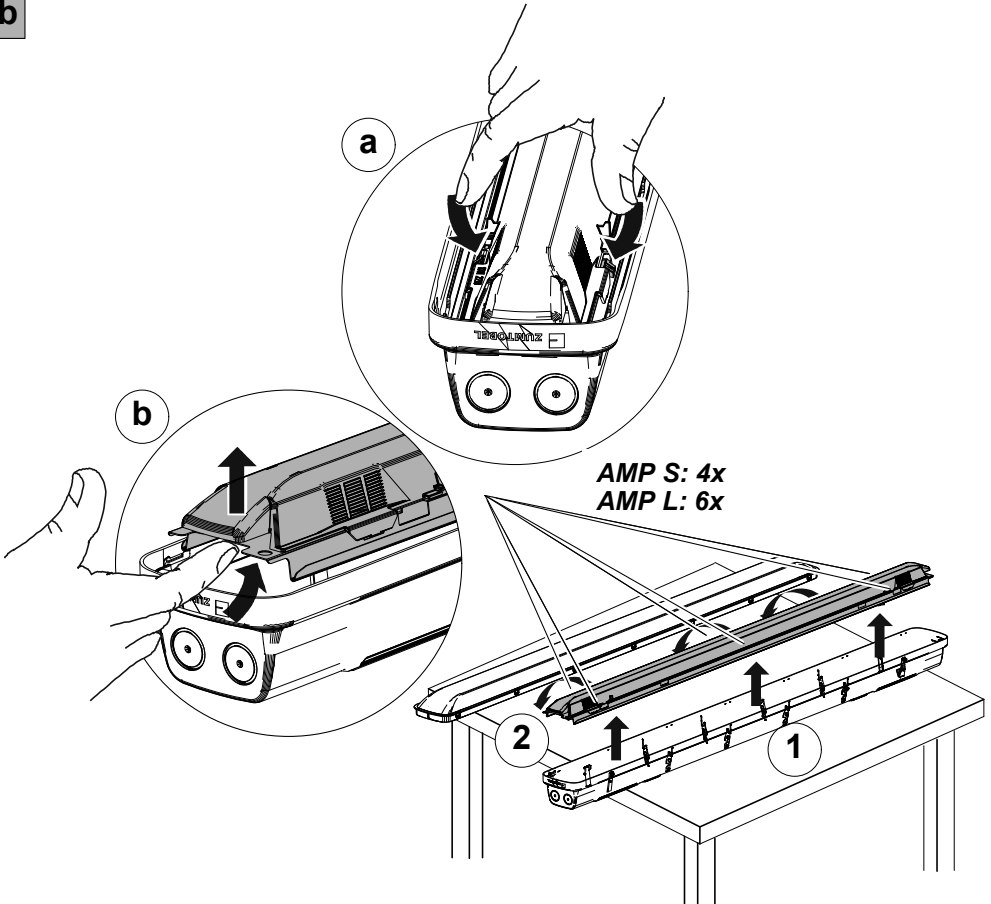


 **DO NOT OPEN
AMP ... QC3/QC5/QCTW!**



AMP ... QC3/QC5/QCTW → 2

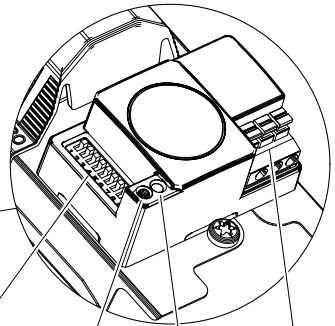
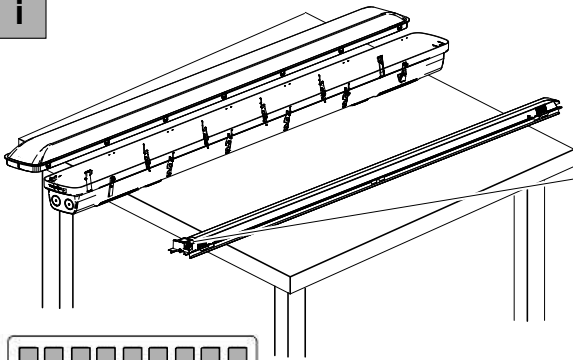
1b



1c

OPTION SENSOR MWS + MWCF (TRIDONIC 28002235)

i

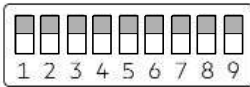


N L' L

DIP-Switches

Daylight Sensor

LED indication



Hold time
Daylight
threshold

Sensitivity



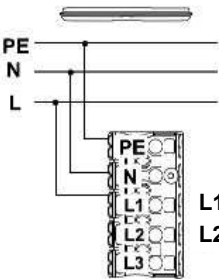
www.tridonic.com/28002235



01/18-15011865-1 We reserve the right to make technical changes without prior notice.
Tridonic GmbH & Co KG, www.tridonic.com, info@tridonic.com, Tel. +43 5572 395-0

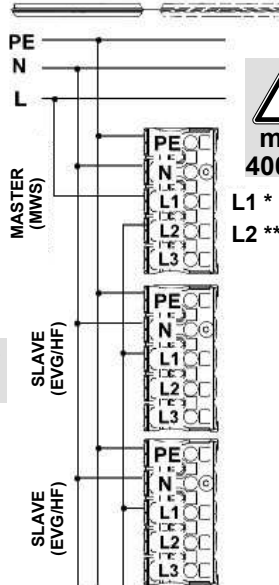
Wiring Diagrams (MWS, MWCF)

ON/OFF (MWS) Standalone



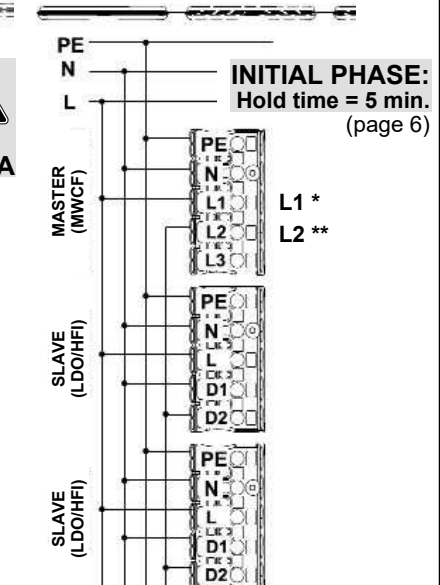
*L1 = L .. permanent line
**L2 = L' .. switched line

ON/OFF (MWS) Master-Slave



max.
400 VA

Corridor Function (MWCF) Master-Slave

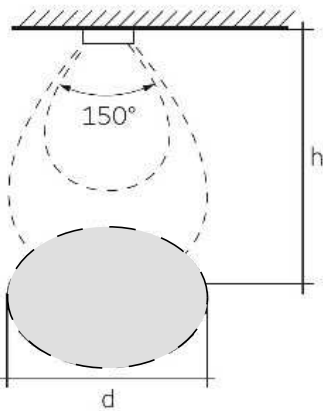


INITIAL PHASE:
Hold time = 5 min.
(page 6)

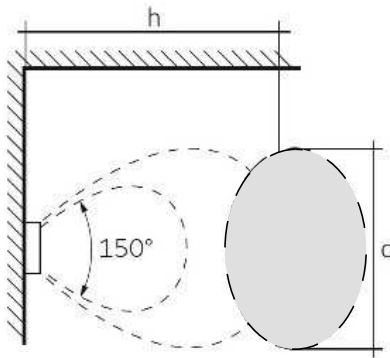
1c OPTION SENSOR MWS + MWCF
(TRIDONIC 28002235)

i Motion detection area

Ceiling mounted



Wall mounted



h	d
0.5m	0.5 m
1.0m	1.0m
1.5m	2.0 m
2.0m	4.0 m
2.5m	6.0 m
3.0m	7.0 m
3.5m	6.0 m
4.0m	5.0 m
4.5 m	4.0 m
5.0 m	3.0 m



Values may differ significantly!

Reflected HF waves (e.g. of walls, floors, ceilings or furniture) from other transmitters affect motion detection.

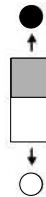


www.tridonic.com/28002235

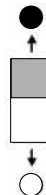


i

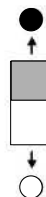
	1	2	3	Sensitivity
I	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	100 % (default)
II	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	75 %
III	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	50 %
IV	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	30 %
V	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	10 %



	4	5	6	Hold time
I	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	5 s (default)
II	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	30 s
III	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1 min
IV	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	5 min
V	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	10 min
VI	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	20 min
VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30 min

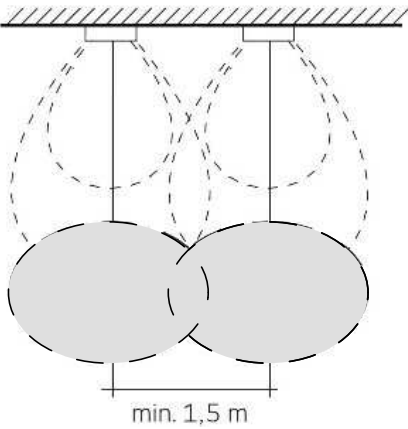


	7	8	9	Daylight threshold
I	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	Disable (default)
II	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	50 Lux
III	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	20 Lux
IV	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	5 Lux
V	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	2 Lux



1c OPTION SENSOR MWS + MWCF
(TRIDONIC 28002235)

i Distance between sensors



Trouble Shooting Guide

(Problem => possible Reasons => Actions)

Fitting does not switch on

=> Brightness setting too low => Change setting

Fitting does not switch off

1. Continuous movements within detection area => Check area
2. Fitting is vibrating => Check surface and mounting

Fitting switches on without clear movements

1. Fitting is vibrating => Check surface and mounting
2. Non visible movements (behind a wall) => Check area

Fitting does not switch on despite clear movements

1. Detection area is too small => Check mounting instructions
2. Sensitivity is set too low => Extend sensitivity on sensor

Fitting does not dim down (in Corridor Function)

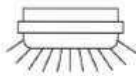
=> Corridor function is not activated => Check mounting instructions



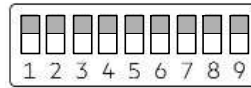
www.tridonic.com/28002235



i Corridor Function (MWCF, MWRF)

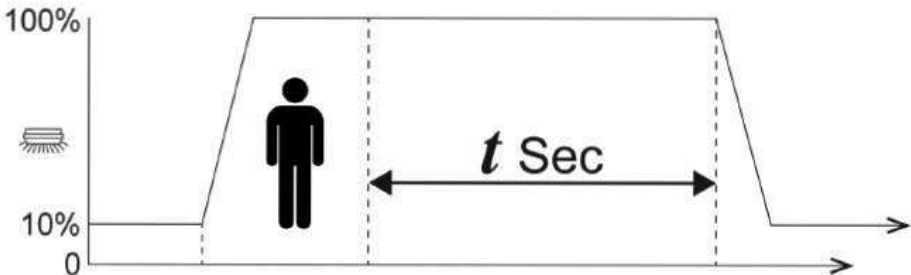


100% → 10%

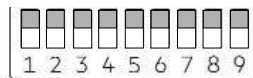


Hold time

(page 6)



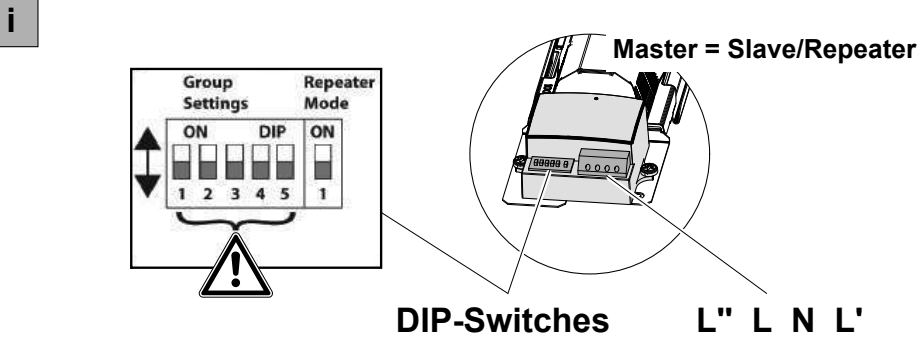
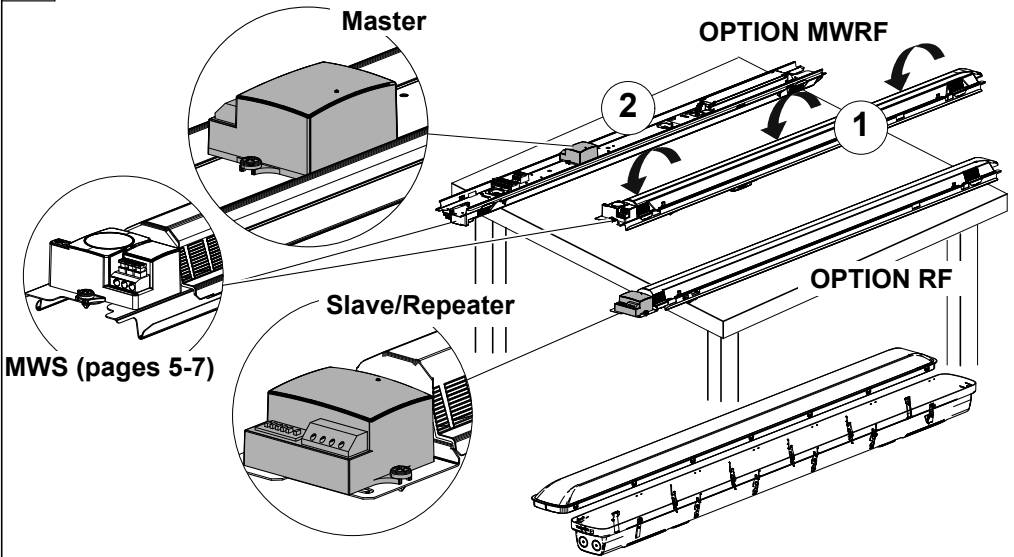
i BMS: bmLINK + MWCF Sensor



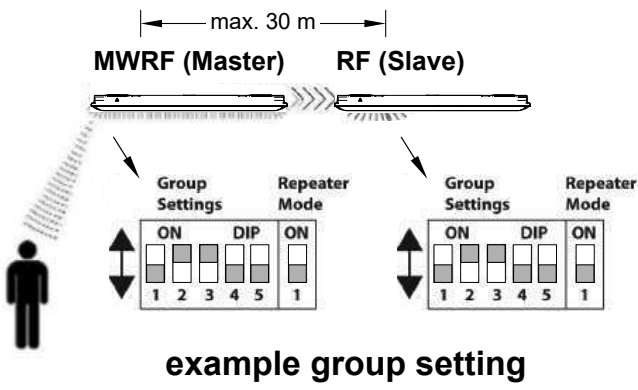
Hold time must be set to minimum setting: I = 5 sec.

(page 6)

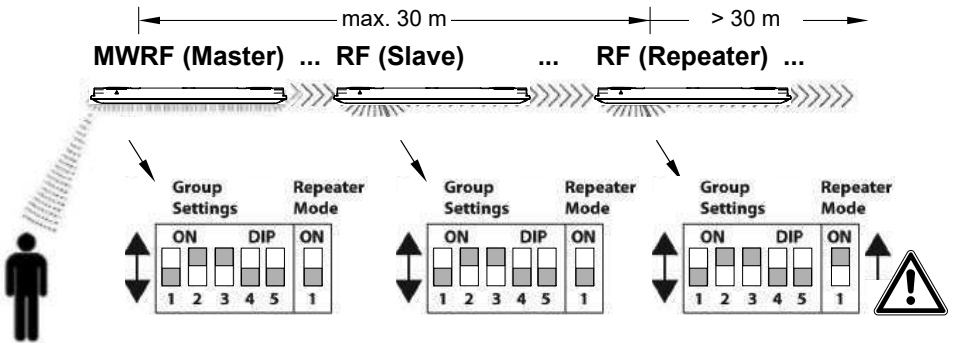
1c OPTIONS MWRF + RF



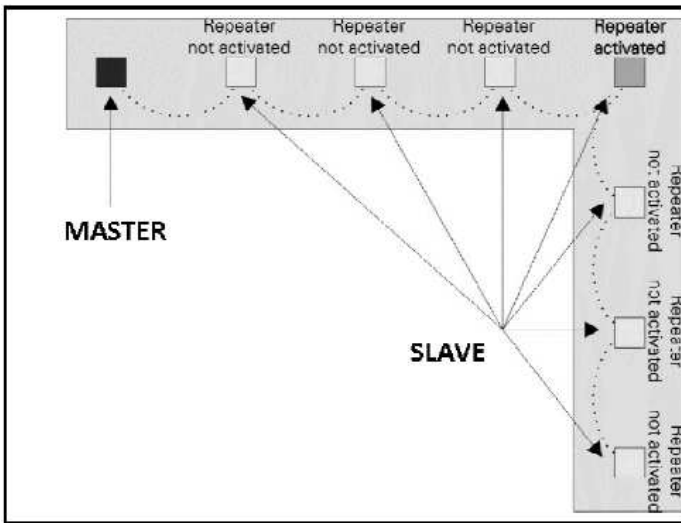
i Example: Master - Slave



i Example: Master - Slave - Repeater



example group setting



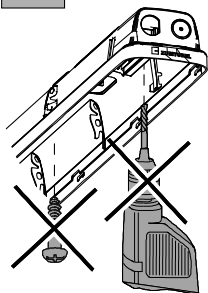
i Group setting options (for master, slave or repeater)

Group	Position	Group	Position	Group	Position
0	□□□□	11	■□■□	22	■□■□
1	■□□□	12	□□■□	23	■□■□
2	■□■□	13	■□■□	24	■□■□
3	■□■□	14	■□■□	25	■□■□
4	■□■□	15	■□■□	26	■□■□
5	■□■□	16	■□■□	27	■□■□
6	■□■□	17	■□■□	28	■□■□
7	■□■□	18	■□■□	29	■□■□
8	■□■□	19	■□■□	30	■□■□
9	■□■□	20	■□■□	31	■□■□
10	■□■□	21	■□■□		

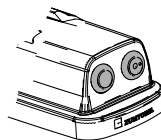
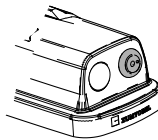
2



IP66 DO NOT DRILL IN HOUSING!



IP66 CLOSE ALL OPENINGS!

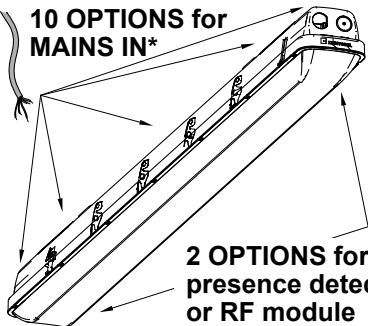


i

SENSORS: MWS, MWCF, MWRF, RF
* + 2 BESA box openings



10 OPTIONS for MAINS IN*



2 OPTIONS for presence detector or RF module

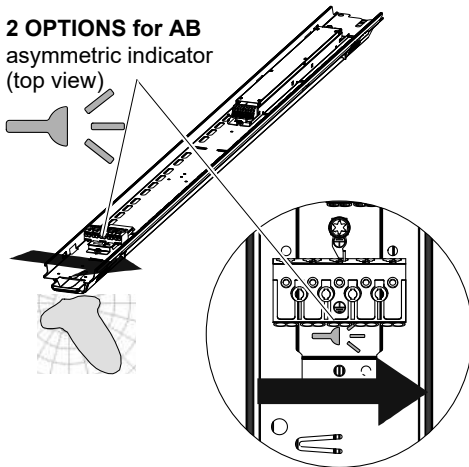
AMP S: 772 ± 5 mm
AMP L: 1272 ± 5 mm



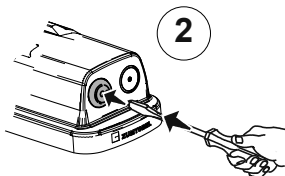
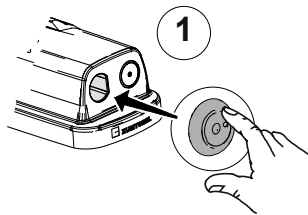
BESA box: 600 ± 1,25 mm

ASYMMETRIC LIGHT DISTRIBUTION: AB

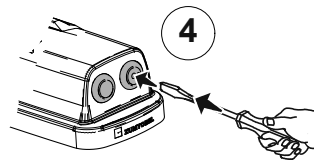
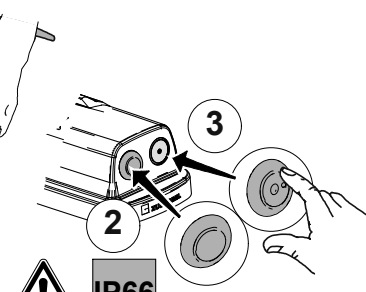
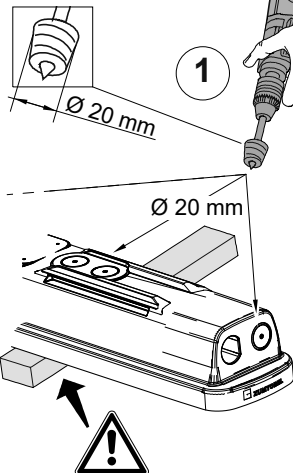
2 OPTIONS for AB asymmetric indicator (top view)



2a OPTION 1x

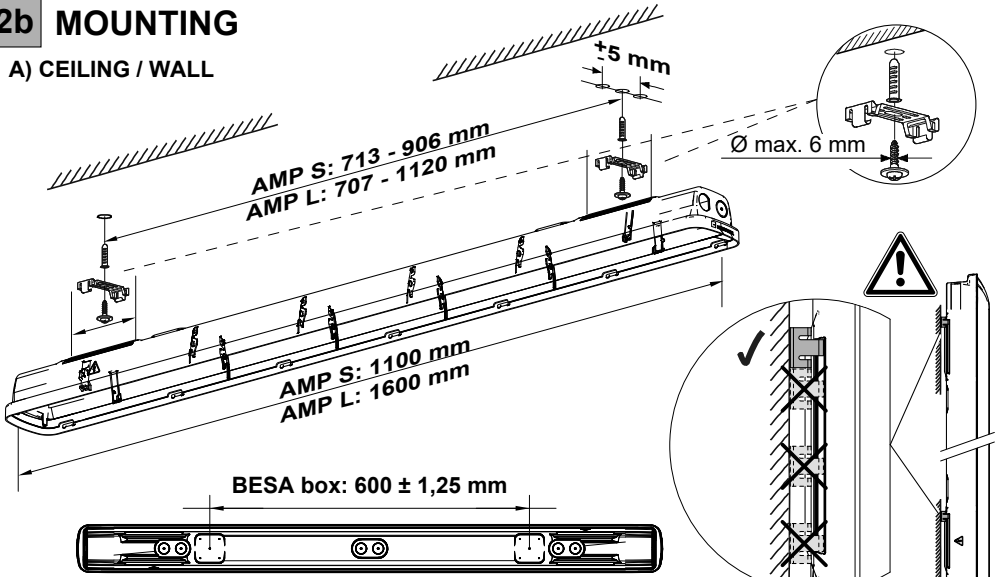


OPTION 2-3x

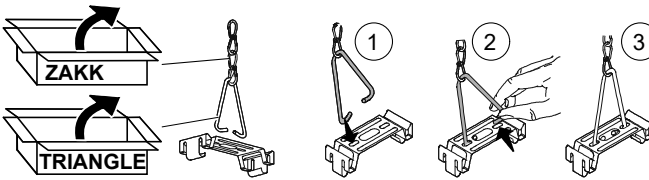


2b MOUNTING

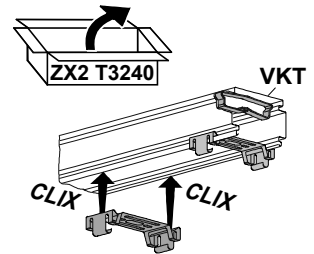
A) CEILING / WALL



B) CHAIN

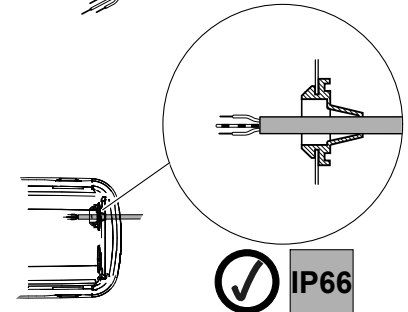
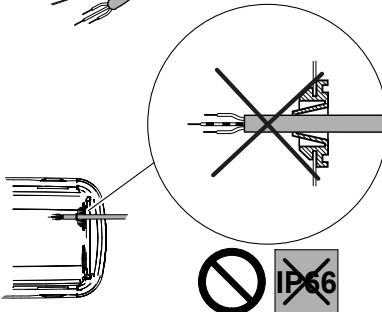
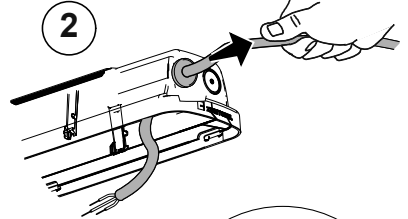
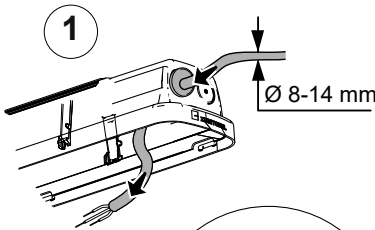


C) ZX2 T

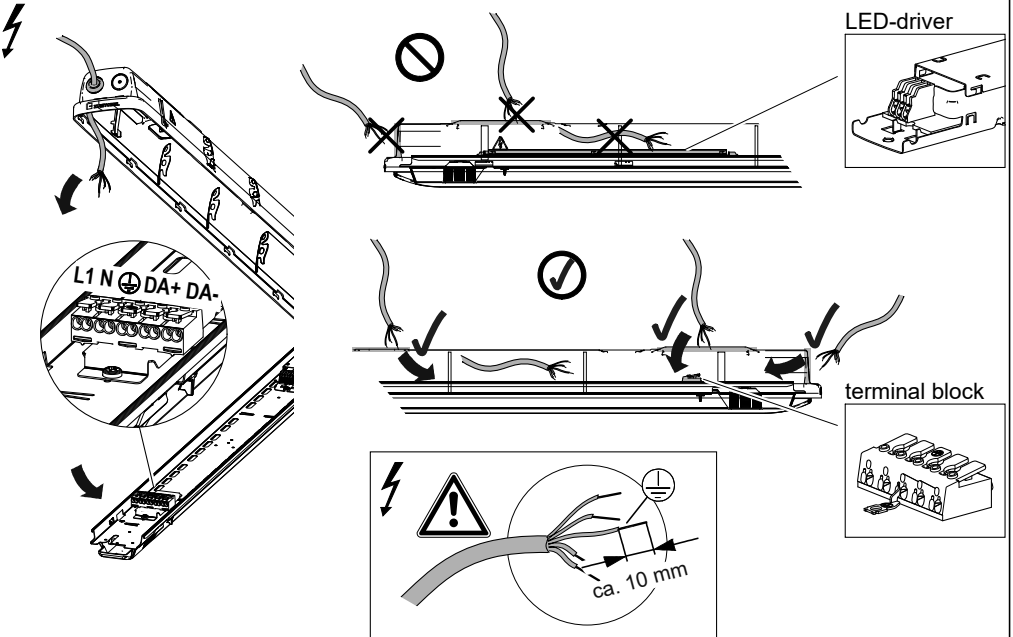


!

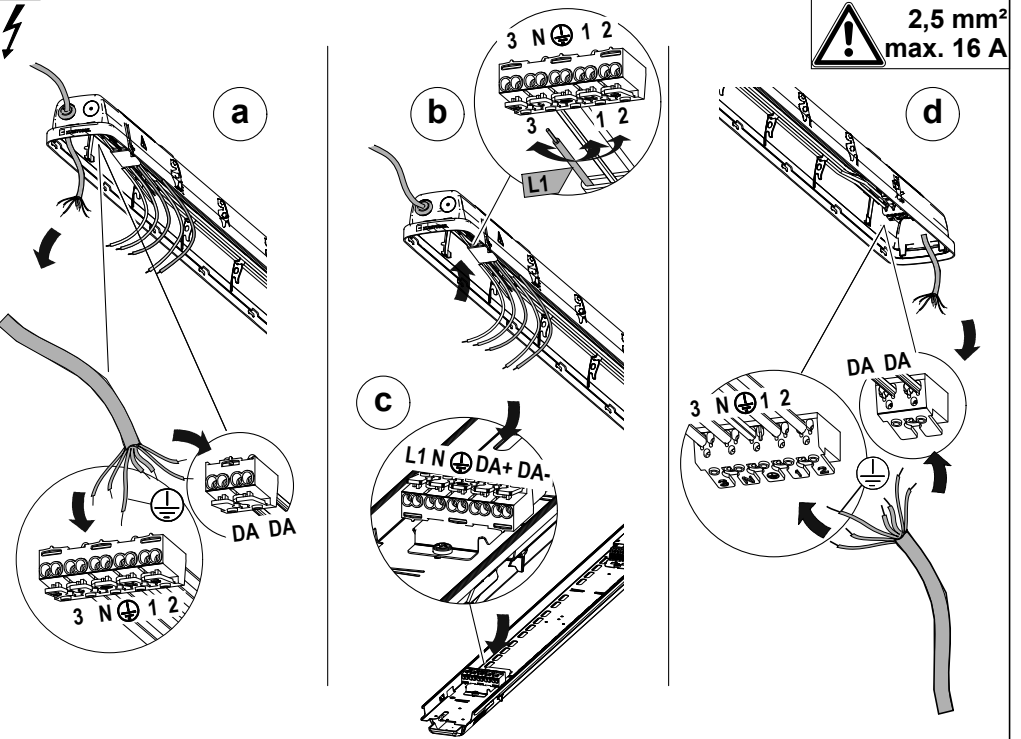
! IP66



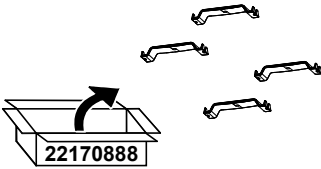
3 A) OPTION MAINS IN (single luminaire)



3 B) OPTION MAINS FOR AMP .. TW (THROUGH WIRING)



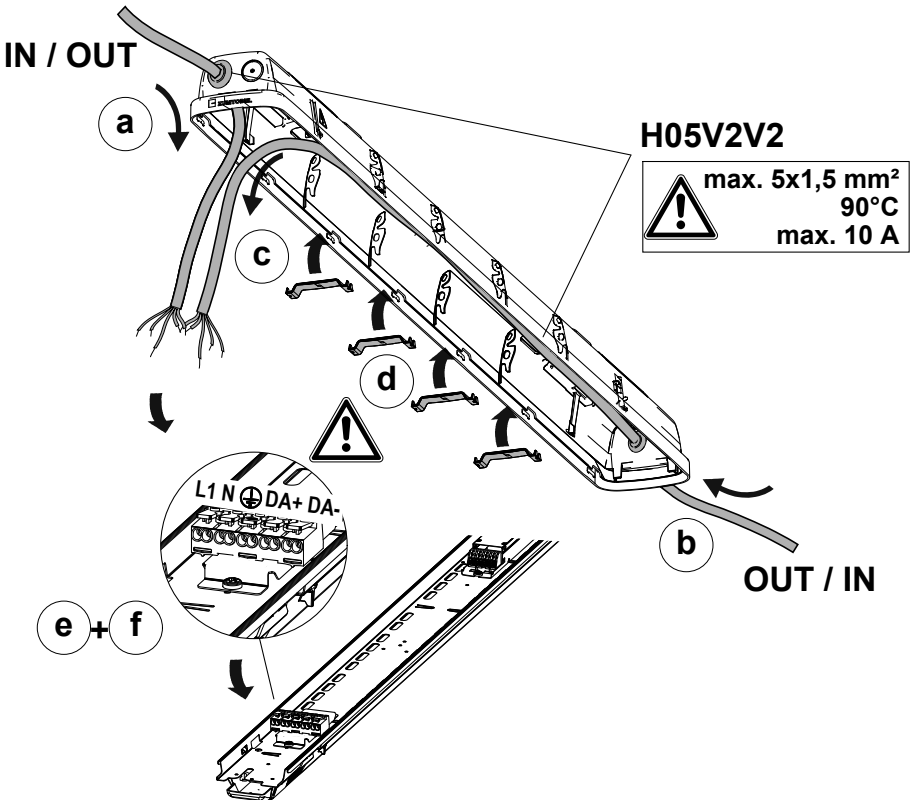
3 C) OPTION MAINS AND THROUGH WIRING by customer



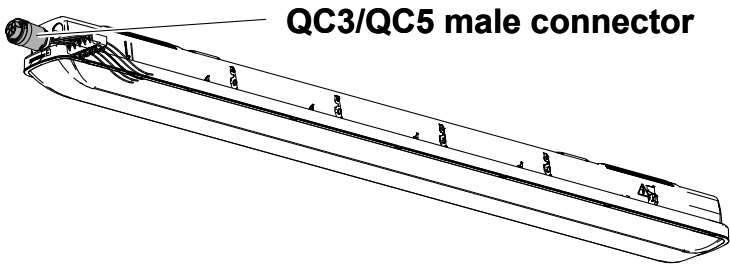
NO THROUGH WIRING WITH



- AMP ... E3
- AMP ... E3D
- AMP ... E3D-UK
- AMP ... XT
- AMP ... PM



3 D) OPTION MAINS FOR AMP .. QC3/QC5 (QUICK CONNECT)



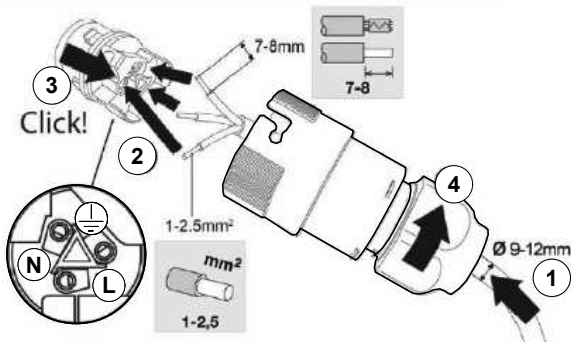
3a



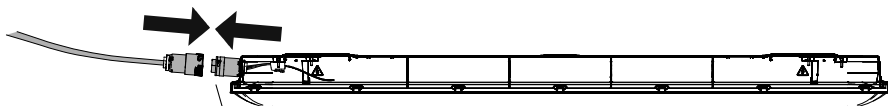
+



female connector

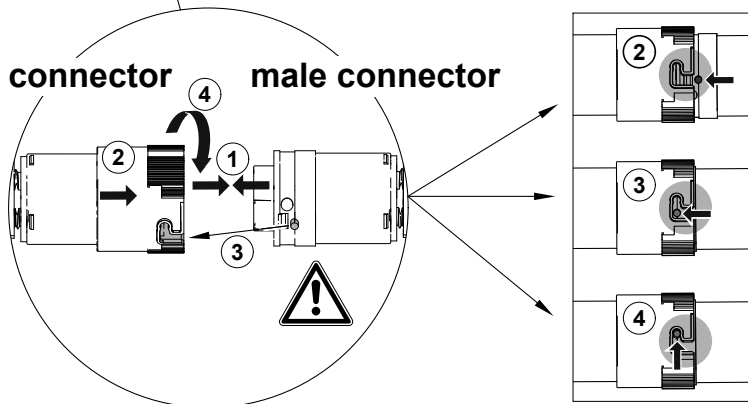


3b

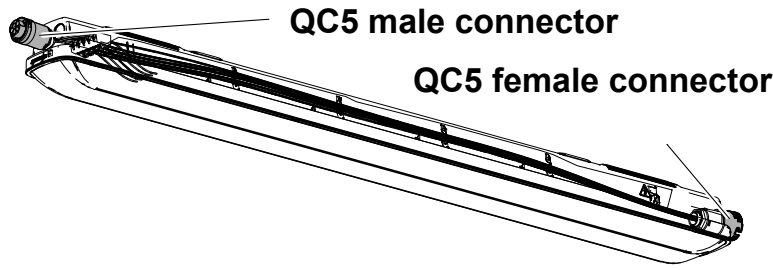


female connector

male connector



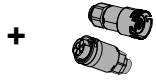
3 E) OPTION MAINS FOR AMP .. QCTW
(QUICK CONNECT THROUGH WIRING)



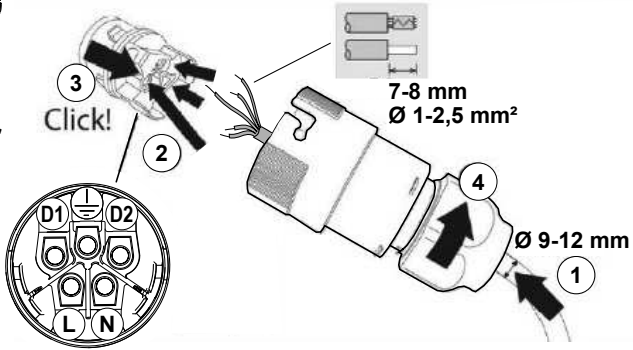
QC5 male connector

QC5 female connector

3a



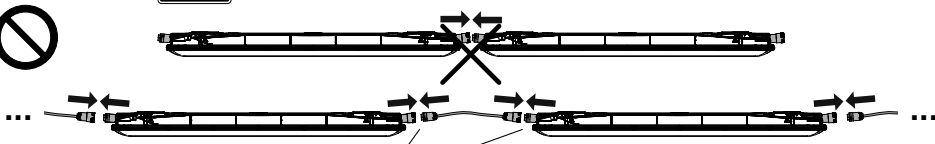
female connector
male connector



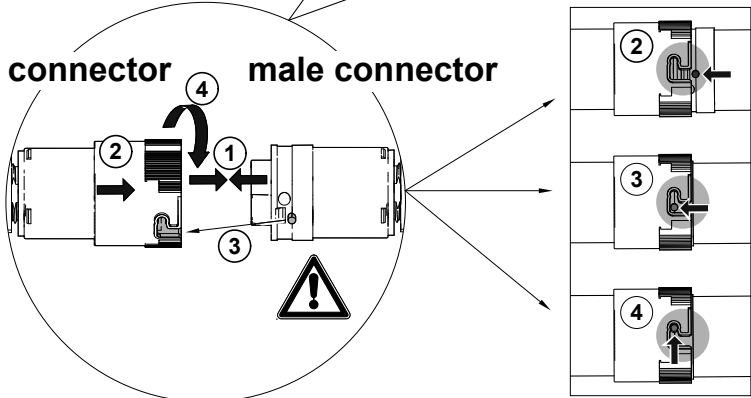
3b

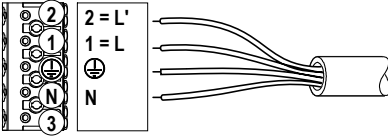
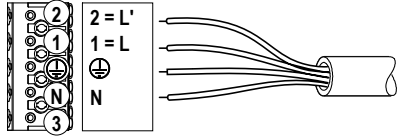
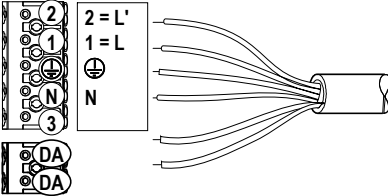
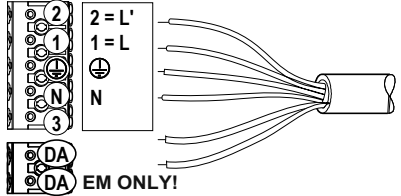
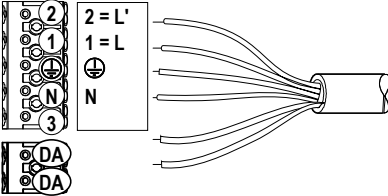
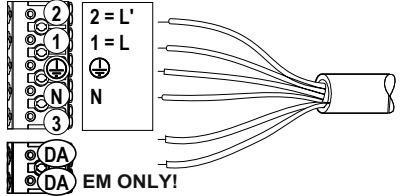
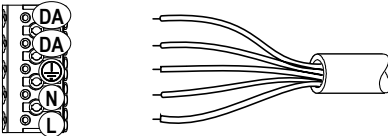
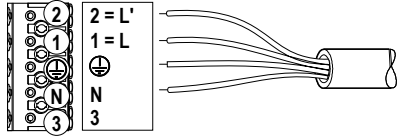
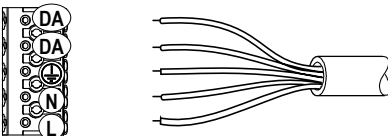
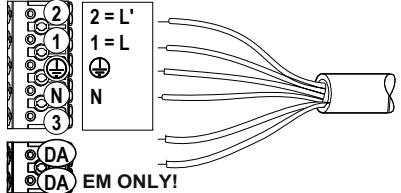
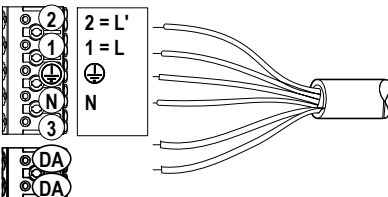
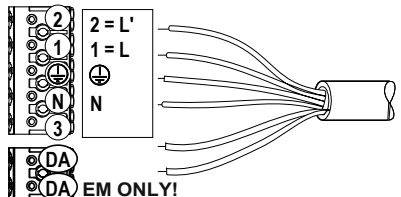


NO DIRECT QUICK CONNECT!

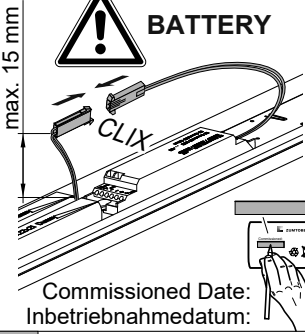


female connector male connector



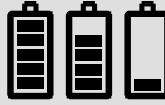
OPTION: Emergency Lighting**OPTION: Emergency Light. with MWS/MWCF****i EVG E3****i EVG MWS-E3****i EVG E3D****i EVG MWS-E3D****i EVG E3D-UK****i EVG MWS-E3D-UK****i LDO E3****i LDO MWCF-E3****i LDO E3D****i LDO MWCF-E3D****i LDO E3D-UK****i LDO MWCF-E3D-UK**

i E3, E3D, E3D-UK



E3, E3D, E3D-UK:

CHANGE BATTERY INFORMATION

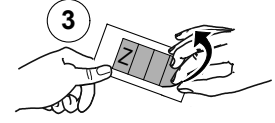
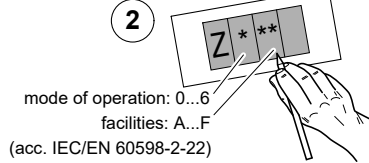
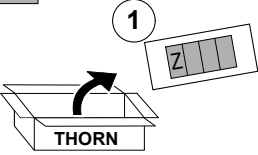


DO NOT OPEN LUMINAIRE!

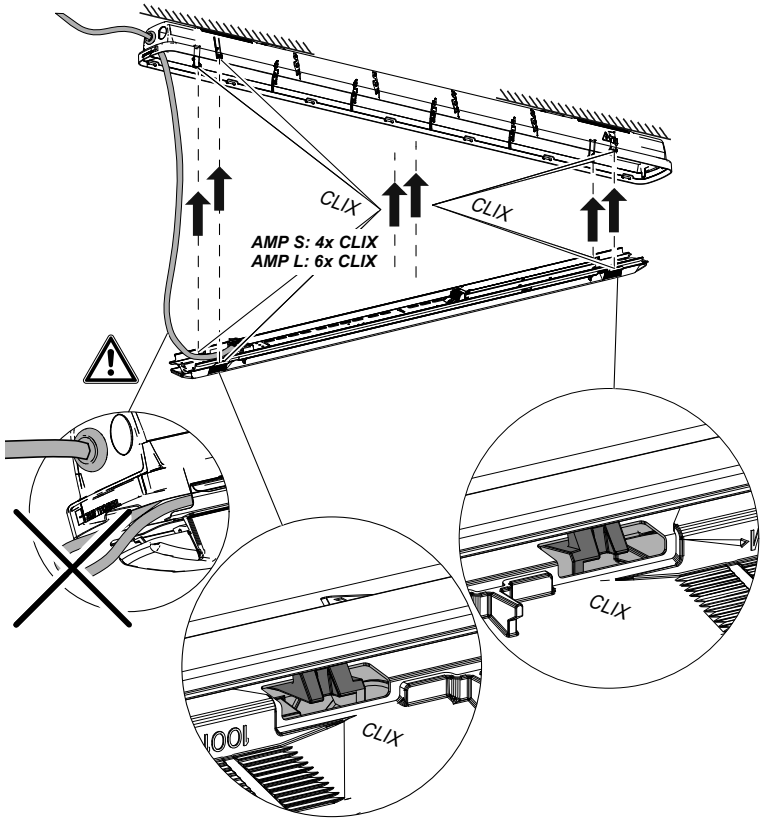


OPEN LUMINAIRE

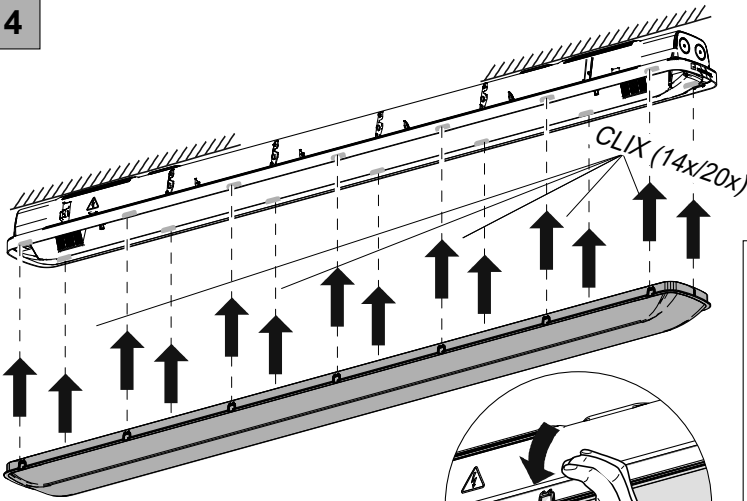
i ECD, ECP, ECC



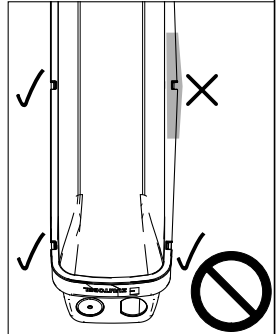
4



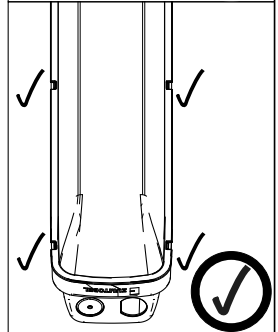
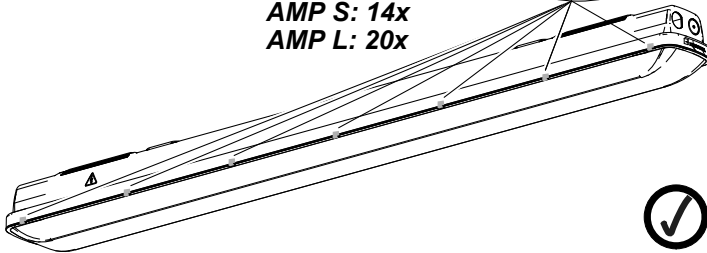
4



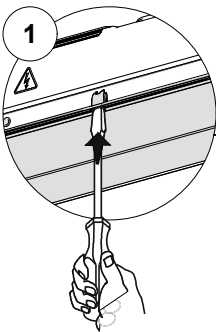
IP66



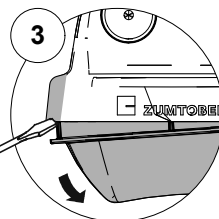
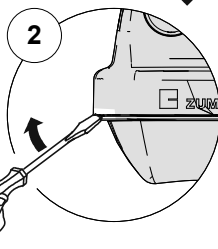
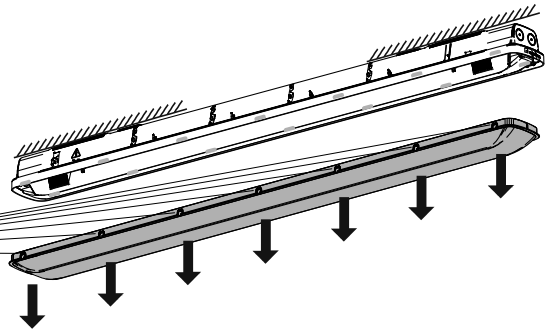
AMP S: 14x
AMP L: 20x



i DISMOUNTING



AMP S: 14x
AMP L: 20x



DE Materialhinweis!

Chemische Einflüsse, sei es durch direkten Kontakt oder durch in der Atmosphäre schwebende Stoffe und ungeeignete Reinigungsmethoden können zu einer Beschädigung der Leuchte führen!
Amphibia Leuchten sind in 3 verschiedenen Materialvarianten erhältlich: Polycarbonat, PMMA oder Chemo. Diese Kunststoffe weisen eine unterschiedliche Beständigkeit gegen chemische Substanzen auf. Stellen Sie sicher, dass Sie das richtige Material verwenden, das gegen schädliche Substanzen in luftgetragenen Substanzen oder in Reinigungsmitteln resistent ist (abhängig von der Anwendung). Wenn Sie Fragen haben, wenden Sie sich an den Hersteller.

EN Luminaire materials!

Aggressive chemicals, in direct contact with the luminaire or in the form of airborne substances can damage the fitting. So can unsuitable cleaning agents.
Amphibia luminaires are available in 3 different material versions: polycarbonate, PMMA or Chemo. These plastics have a different resistance to chemical substances.
Make sure you use the proper material, resistant to potential damaging substances present in airborne substances or in cleaning agents (depending on the application).
If you have questions, contact the manufacturer.

FR Notice importante!

Les agents chimiques, en contact direct avec le luminaire ou sous forme de particules en suspension dans l'air, de même que les méthodes de nettoyage inadéquates peuvent entraîner une détérioration du luminaire !
Les luminaires Amphibia sont disponibles en 3 matériaux différents : polycarbonate, PMMA ou Chemo. Ces plastiques ont une résistance différente aux substances chimiques.
Assurez-vous d'utiliser le matériau approprié, résistant aux substances potentiellement dommageables transportées dans l'air ou présentes dans les agents de nettoyage (en fonction de l'application).
Si vous avez des questions, contactez le fabricant.

IT Nota sul materiale!

Gli agenti chimici, a contatto diretto oppure in sostanze sospese nell'atmosfera, possono danneggiare gli apparecchi di illuminazione. Ugualmente dannoso può risultare un inadeguato utilizzo di prodotti per la pulizia quali concentrati alcalinici, soluzioni acide o altri solventi.
Gli apparecchi Amphibia sono disponibili in tre diversi materiali: policarbonato, PMMA o CHEMO. Queste materie plastiche hanno una diversa resistenza alle sostanze chimiche.
Assicurarasi di utilizzare il materiale più appropriato, resistente a potenziali sostanze dannose disperse nell'aria o contenute in detersivi (a seconda dell'applicazione).
In caso di domande, contattare il produttore.

NL Materiaal Aanwijzingen!

Chemische invloeden, hetzij door direct contact, hetzij door stoffen die in de atmosfeer rondzweven of niet geschikte reinigingsmethodes, kunnen het armatuur schade toedienen.
Amphibia-armaturen zijn verkrijgbaar in 3 verschillende materiaalversies: polycarbonaat, PMMA of Chemo. Deze kunststoffen hebben een verschillende weerstand tegen chemische stoffen.
Zorg ervoor dat u het juiste materiaal gebruikt dat bestand is tegen potentieel schadelijkstoffen in de lucht of in reinigingsmiddelen (afhankelijk van de toepassing).
Bij vragen kunt u altijd met de fabrikant contact opnemen.



*www.zumtobel.com/amphibia



(DE) Hinweise für die Montage, den Betrieb und die Demontage/Reparatur!

Die Montage und Inbetriebnahme der Leuchte sowie jede Veränderung an der Leuchte darf nur von autorisierten Fachkräften (qualifizierter Elektriker) durchgeführt werden. Die nationalen Errichterbestimmungen sind zu beachten. Vor jeder Arbeit an der Leuchte ist diese vom Netz zu trennen.
Hot Plug-in ist nicht möglich und kann zu Schäden an der Leuchte führen!



Der Hersteller haftet nicht für Schäden, die aus fehlerhafter Montage, unsachgemäßem Betrieb oder unautorisierten Veränderungen an der Leuchte resultieren.

Vorsicht, Gefahr eines elektrischen Schlags.

Technische Änderungen vorbehalten! Bei Fragen wenden Sie sich an den Hersteller.

(EN) Instructions for installation, operation and dismantling/repair!

The installation and commissioning of the luminaire as well as any modification to the luminaire may only be performed by authorized personnel (qualified electrician). National installation regulations must be observed. Before any work on the appliance is done, it must be disconnected from mains.

Hot plug-in is not an option and may cause damage to the lamp or luminaire!



The manufacturer is not liable for damages resulting from improper or faulty installation or operation or from unauthorized modifications to the luminaire.

Caution, risk of electric shock! Specifications are subject to change without notice!

If you have questions, please contact the manufacturer.

(FR) Instructions pour l'installation et l'utilisation!

L'installation et la mise en service du luminaire ainsi que toute modification au luminaire doivent être effectuées par un personnel autorisé (électricien qualifié). Les règles nationales d'installation doivent être respectées. Avant toute intervention sur l'appareil, il doit être débranché de son alimentation.

Le branchement à chaud est interdit, et peut endommager à la lampe ou le luminaire!



Le fabricant décline toute responsabilité pour les dommages résultant d'une mauvaise installation ou opération, ou d'une modification non autorisée du luminaire.

Avertissement, risque de choc électrique. Sous réserve de modifications des spécifications techniques! Pour toute question, contactez le fabricant.

(IT) Istruzioni per l'installazione e il funzionamento!

L'installazione e la messa in servizio degli apparecchi, nonché qualsiasi modifica dell'apparecchio può essere eseguita solo da personale autorizzato (elettricista qualificato). Le norme nazionali di installazione devono essere rispettate. Prima di qualsiasi intervento sull'apparecchio, questo deve essere scollegato dalla rete.

Non è possibile un Hot Plug In e può causare danni alla lampada o all'apparecchio!



Il produttore non si assume alcuna responsabilità per i danni derivanti da un'installazione impropria o difettosa, o per modifiche non autorizzate apportate all'apparecchio.

Attenzione, rischio di folgorazione! Modifiche tecniche sono soggette a cambiamenti senza preavviso! Se avete domande, si prega di contattare il produttore.

(NL) Aanwijzingen voor installatie en bediening!

De installatie en inbedrijfstelling van het armatuur, alsook elke wijziging in of aan het armatuur mogen alleen door bevoegd personeel (elektricien) worden uitgevoerd. De nationale installatie voorschriften moeten worden nageleefd. Voor alle werkzaamheden aan het apparaat, moet deze worden losgekoppeld van het net.

Hot plug-in is niet mogelijk en kan schade aan de lichtbron of het verlichtingstoestel veroorzaken!



De fabrikant is niet aansprakelijk voor schade als gevolg van onjuiste of foutieve installatie, bediening of schade welke het gevolg zijn van niet geautoriseerde wijzigingen aan het armatuur.

WAARSCHUWING: Gevaar voor elektrische schokken.

Technische wijzigingen voorbehouden! Als u vragen hebt, kunt u contact opnemen met de fabrikant.

i Info on (non-) replaceability:

