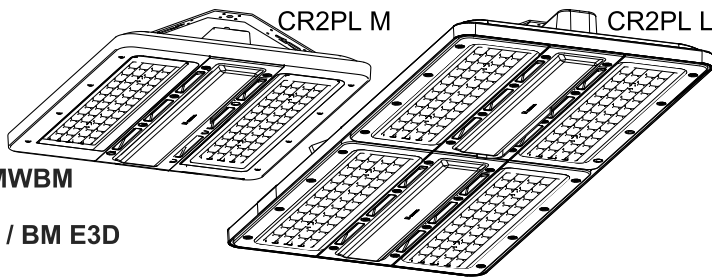




CR2PL M
CR2PL L

- EVG / LDO
- TEC
- QC3 / QC5
- MWS / MWCF / BM / MWBM
- E3 / E3D / E3DUK
- MWS E3 / MWCF E3D / BM E3D

- PC / PM / CH
- NB / WB / VWB



CR2PL-NI

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.

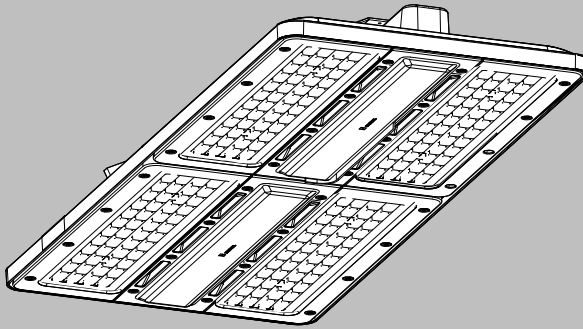
FI Asennusohje
Tärkeä huomautus. Lue ensin! Säilytä käyttöopas! Oikeudet teknisiin muutoksiin pidätetään! Lähetä mahdolliset kysymykset valmistajalle.

RU Инструкция по монтажу
Важная информация. Просьба ознакомиться перед началом работ! Сохраняйте инструкцию! 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/craft2plus



SENSOR OPTIONS

(pages 14-16)

MWS: presence detector

MWCF: pres. detector + Corridor Function

MWBM: presence detector + bmLINK

CONNECTION OPTIONS

QC3, QC5: Quick Connect (pages 9-11)

TEC: TECTON-Adapter (pages 12-13)

EMERGENCY OPTIONS

(pages 17-19)

E3, E3D, E3DUK: self-contained

MWS E3: self-contained + sensor

MWCF E3D: self-contained + sensor

BM E3D: self-contained + bluetooth

all others: centrally supplied

OPTIONS bmLINK

CR2PL BM

CR2PL MWBM

CR2PL BM E3D



DALI via Bluetooth® Mesh

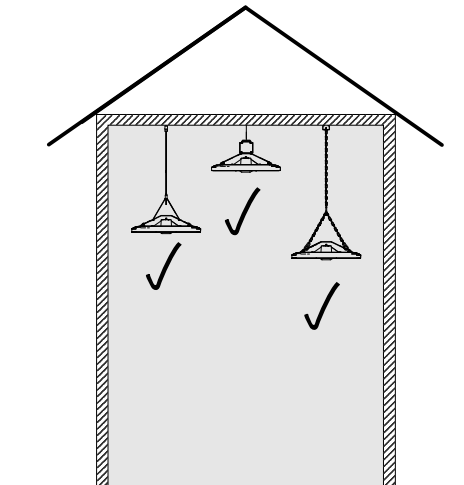


www.zumtobel.com/bmLINK



i **IP66** **IK08** **IK07** 

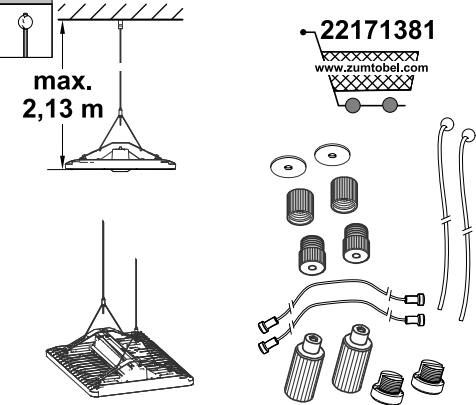
MOUNTING OPTIONS (overview)



i MOUNTING OPTIONS (ACCESSORIES)

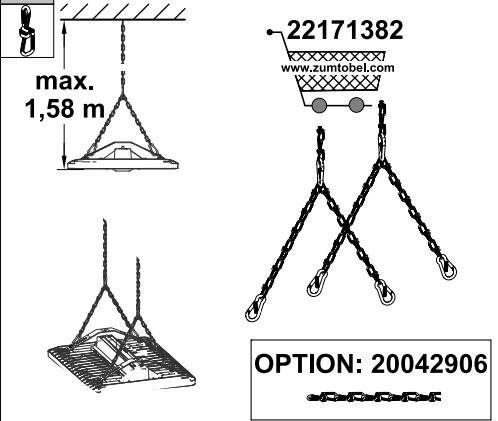
A CR2PL M/L + Cord

page 6



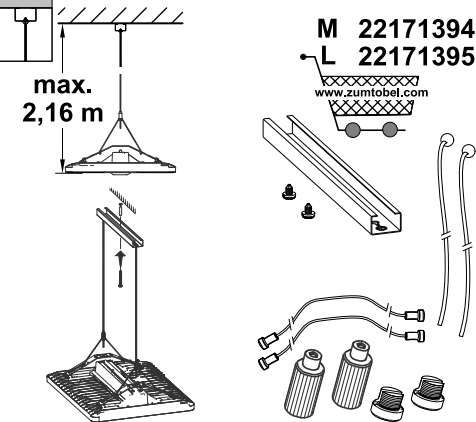
B CR2PL M/L + Chain

page 7



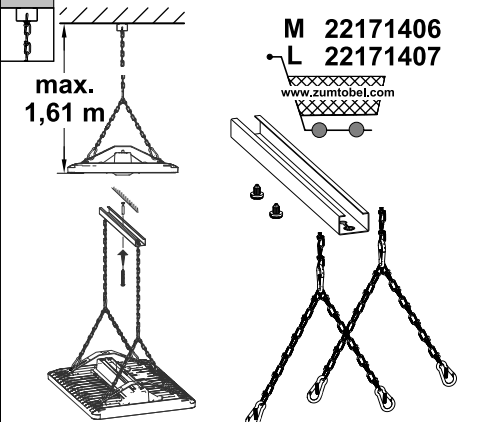
C CR2PL M/L + OnePoint Cord

page 8



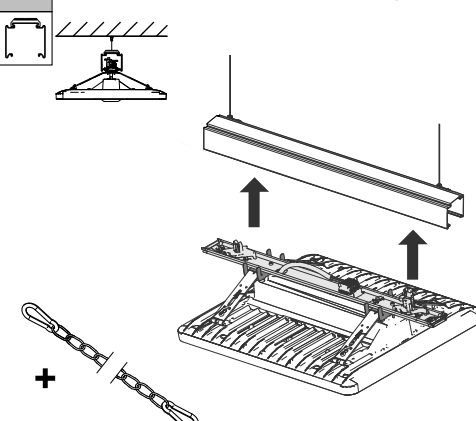
D CR2PL M/L + OnePoint Chain

page 8



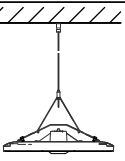


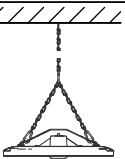

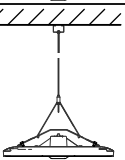


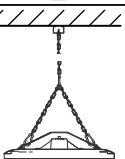


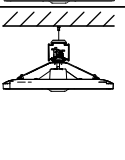





E CR2PL M/L TEC

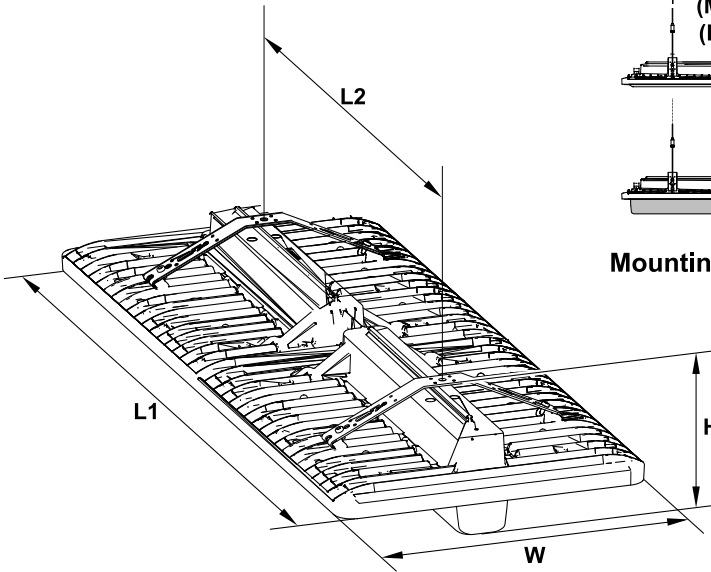
pages 12-13



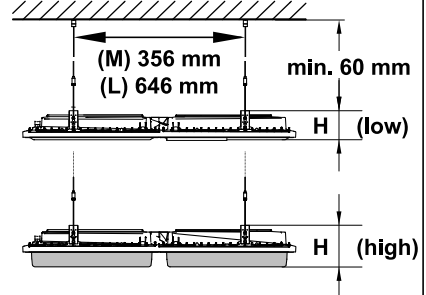
i MOUNTING OPTIONS

CR2PL M/L	PC	PM	CH	BM MWBM	E3, E3D E3D-UK	BWS 
A  	✓	✓	✓	✓	✓	
B  	✓	✓	✓	✓	✓	✓
C  	✓	✓	✓	✓	✓	
D  	✓	✓	✓	✓	✓	
E  	✓	✓	✓			

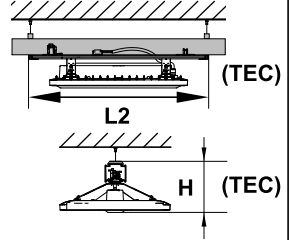
i DIMENSIONS



Mounting Options: A, B, C, D



Mounting Option: E



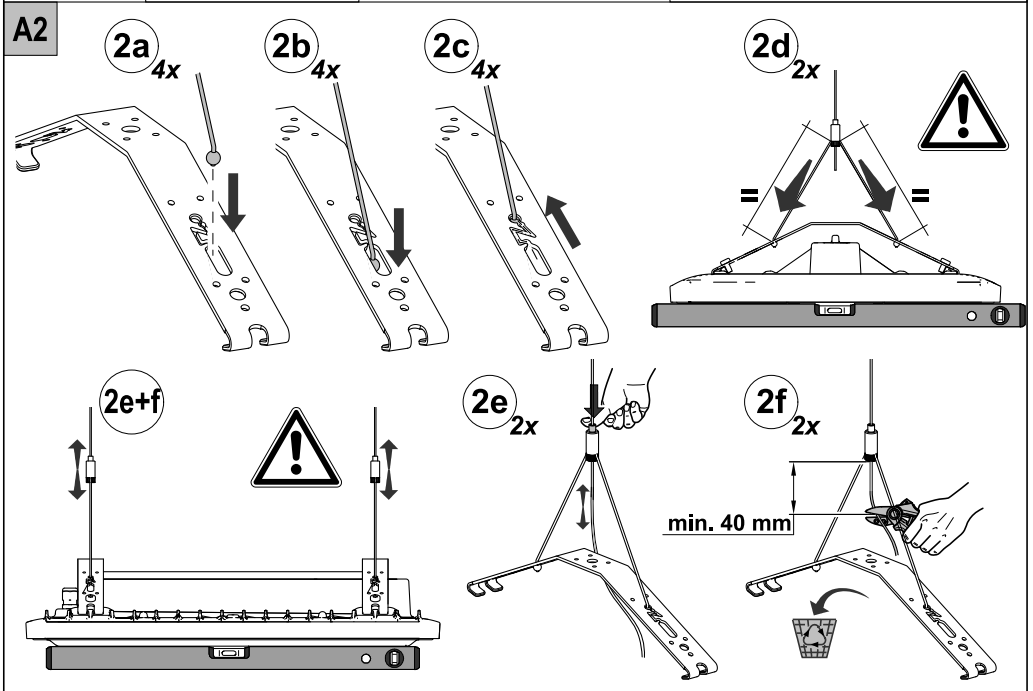
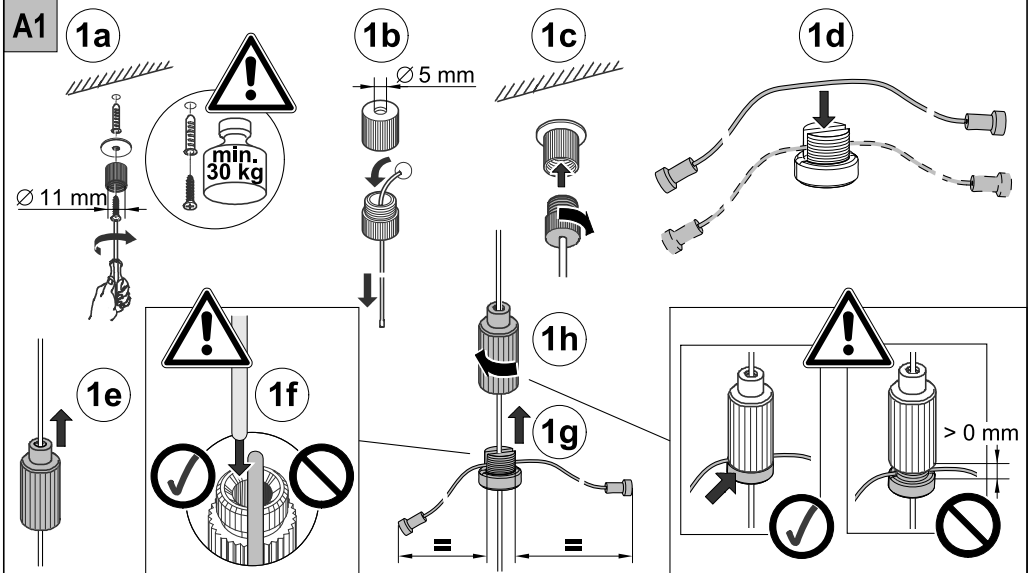
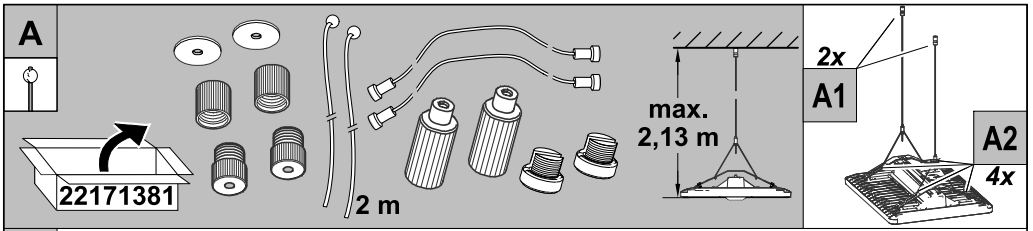
(low)

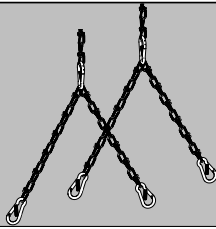
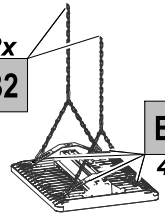
Basic Versions:	Length L1	Length L2	Width W	Height H	Weight kg
CRAFT II plus M	518 mm	356 mm	414 mm	109 mm	6 kg
CRAFT II plus L	1025 mm	646 mm	414 mm	109 mm	12 kg
CRAFT II plus M TEC	518 mm	673 mm	414 mm	169 mm	6,2 kg
CRAFT II plus L TEC	1025 mm	963 mm	414 mm	169 mm	12,5 kg



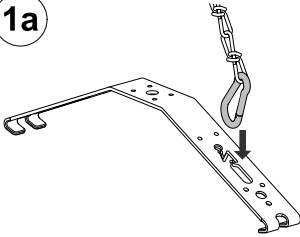
(high)

Special Versions: (sensors/bmLINK AND/OR emergency)	Length L1	Length L2	Width W	Height H	Weight kg
CRAFT II plus M MWS/MWCF/MWBM/E3/E3D/E3DUK	518 mm	356 mm	414 mm	156 mm	7 kg
CRAFT II plus L MWS/MWCF/MWBM/E3/E3D/E3DUK	1025 mm	646 mm	414 mm	156 mm	14 kg

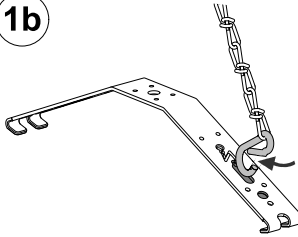


Bmax.
1,58 m2x
B2B1
4x**B1** 4x

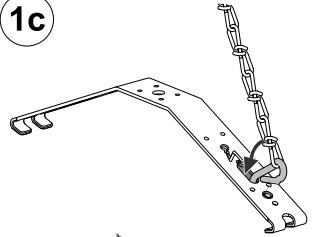
1a



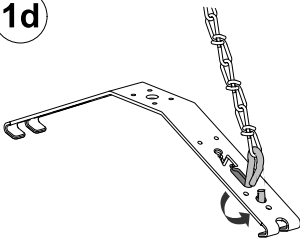
1b



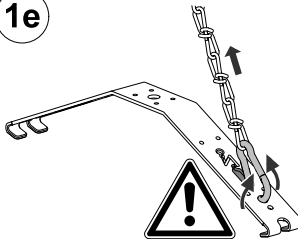
1c



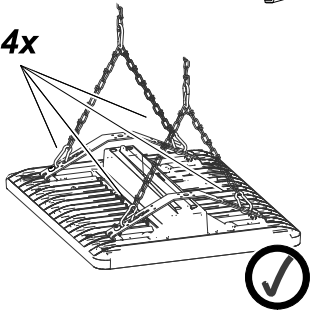
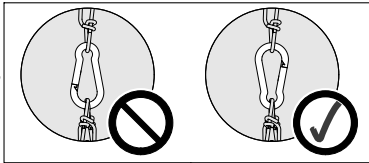
1d



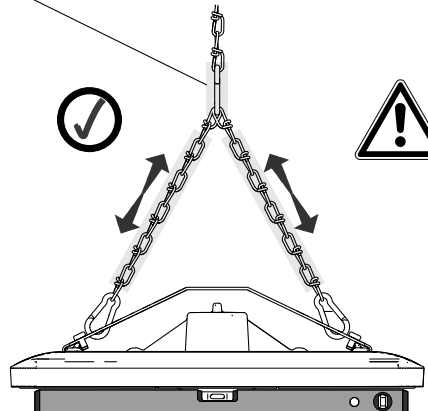
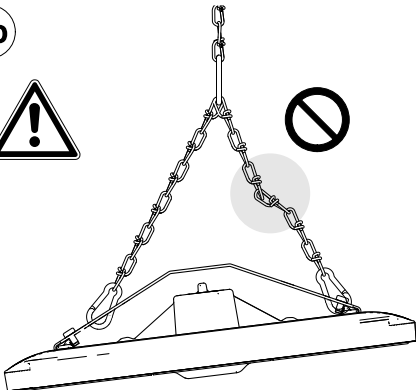
1e

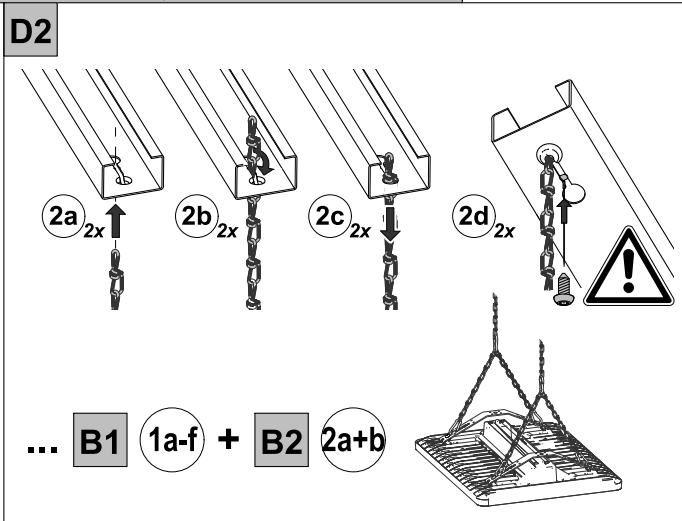
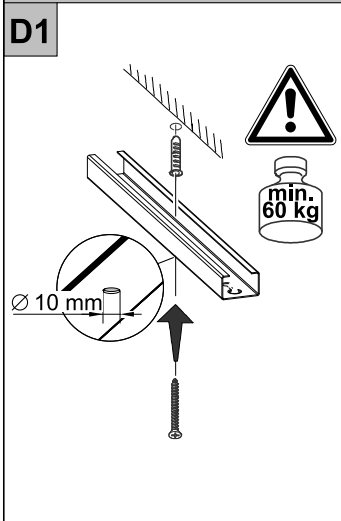
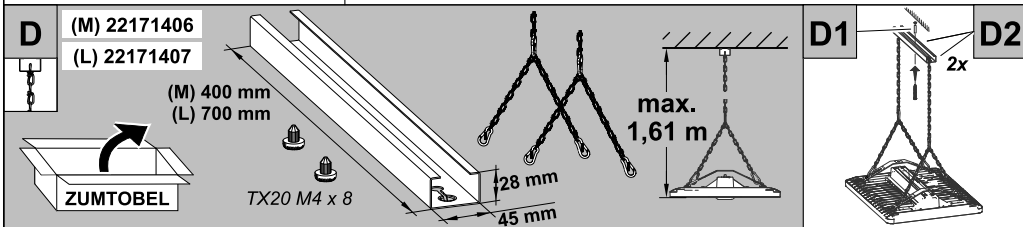
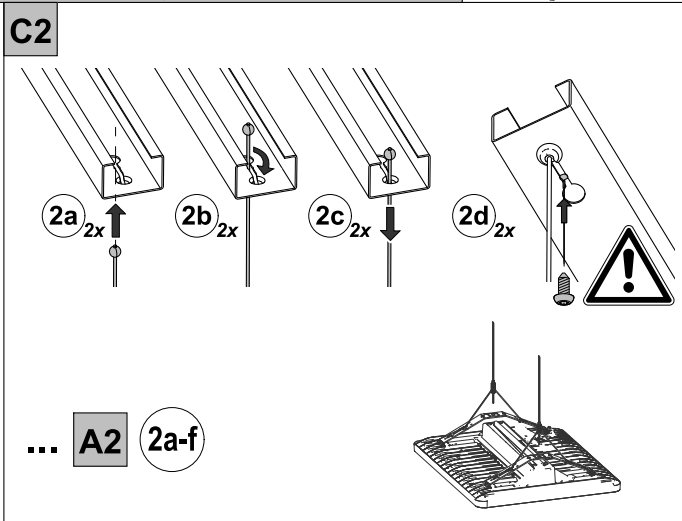
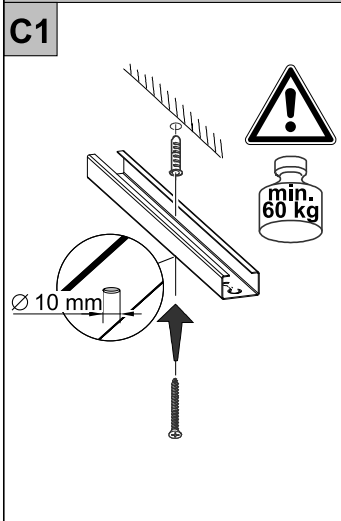
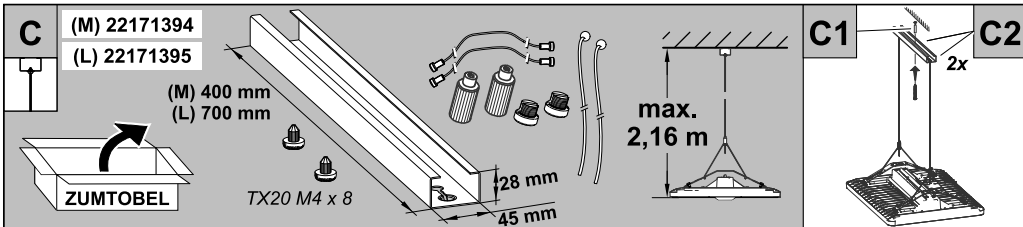


4x

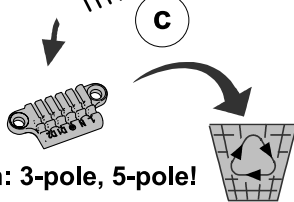
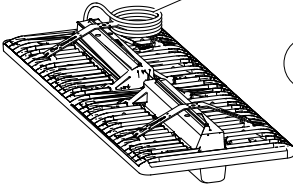
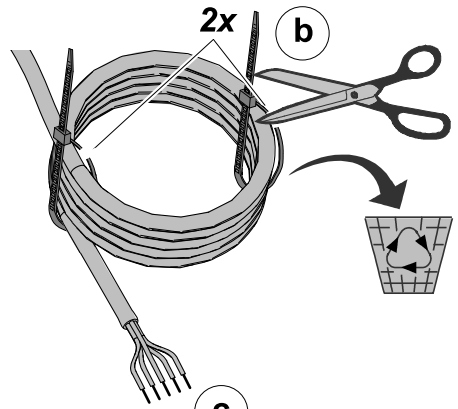
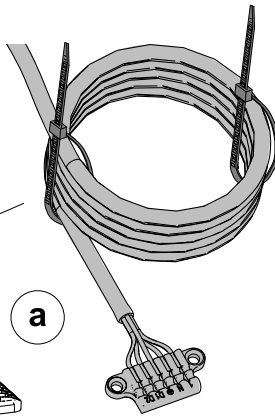
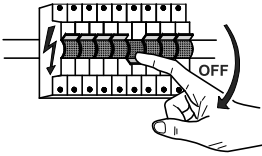
**B2** 2a

2b

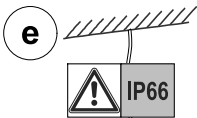
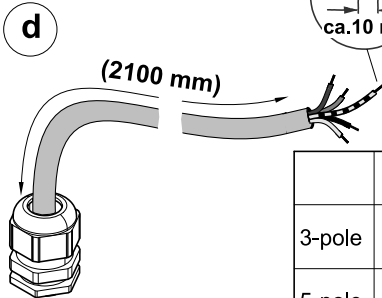




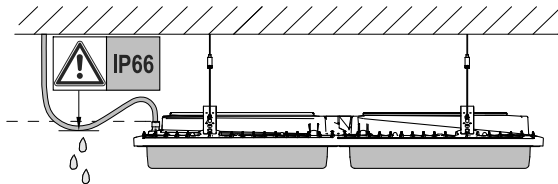
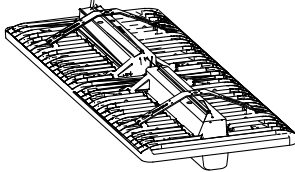
ABCD3



only with: 3-pole, 5-pole!



		Brown	Blue	Yellow-Green	Black	Grey	Red
3-pole	EVG BM BM E3D	L1/+ Phase 1	N Neutral	PE Earth			
5-pole	LDO LDO E3 LDO E3D	L1/+ Phase 1	N Neutral	PE Earth	D1 DALI	D2 DALI	
5-pole	MWS MWCF EVG E3 MWBM MWS E3	L1/+ Phase 1	N Neutral	PE Earth	L2/L'	CUT AWAY GREY 	
6-pole	EVG E3D EVG E3D-UK MWCF E3D	L1/+ Phase 1	N Neutral	PE Earth	DALI	DALI	L2/L'



!

DE

Anschlussklemme nicht beinhaltet, die Installation muss von einer qualifizierten Person erfolgen.

EN

Terminal Block not included, installation must be performed by a qualified person.

FR

Bornier non inclus, l'installation doit être réalisée par une personne qualifiée.

IT

Morsetti non inclusi, installazione deve essere realizzata da personale qualificato.

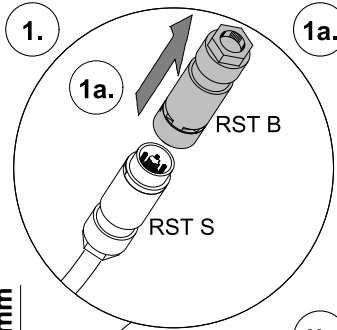
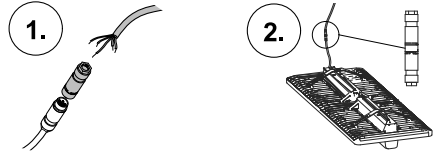
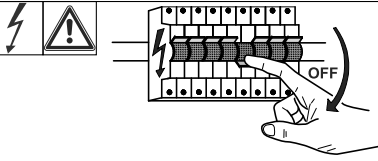
NL

De aansluitklem is niet inbegrepen, deze moet van een gekwalificeerd persoon worden geïnstalleerd.

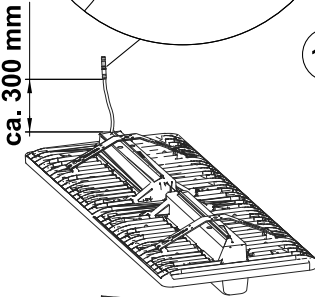
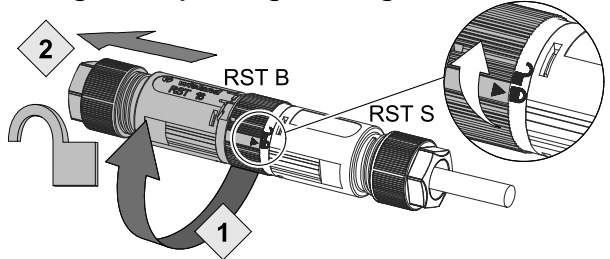
WIELAND RST16i3 connector
3 pole, female 46.031.4553.1



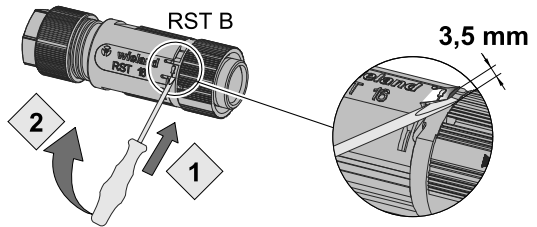
WIELAND RST16i5 connector
5 pole, female 46.051.4553.6



1a. Unlocking and separating / Entriegeln und Trennen



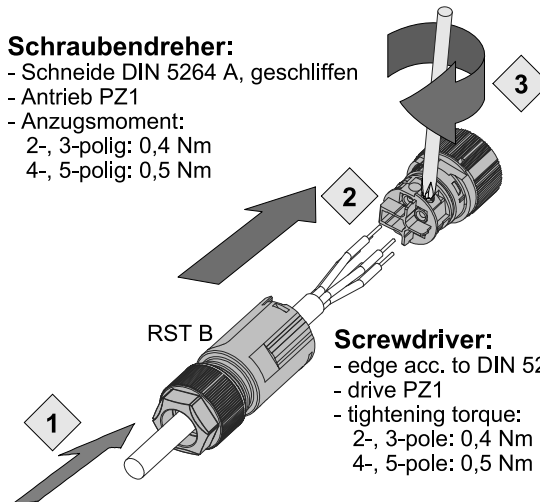
1b. Opening the connector / Öffnen des Steckverbinders



1c. Wire connection / Leitermontage

Schraubendreher:

- Schneide DIN 5264 A, geschliffen
- Antrieb PZ1
- Anzugsmoment:
2-, 3-polig: 0,4 Nm
4-, 5-polig: 0,5 Nm



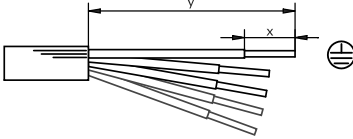
Screwdriver:

- edge acc. to DIN 5264 A, deburred
- drive PZ1
- tightening torque:
2-, 3-pole: 0,4 Nm
4-, 5-pole: 0,5 Nm

i Conductor information

Dismantling and insulation strip lengths (mm) / Abmantellängen und Absolierlängen (mm)

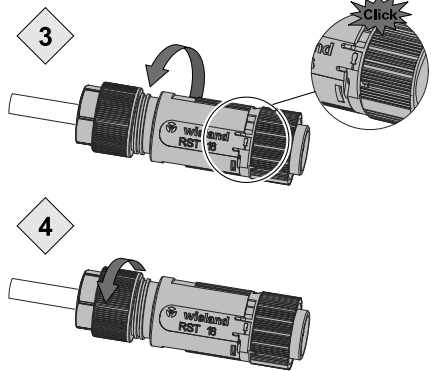
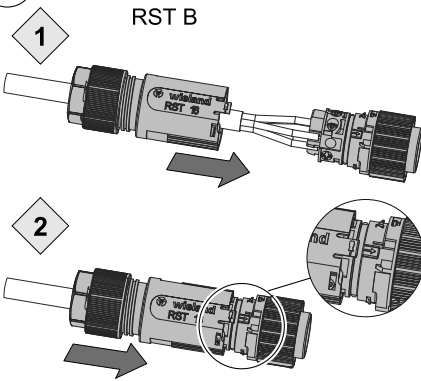
Leiter / Conductor	Einfach-Anschluss / Connector	
Abmantellänge y (mm) / Dismantling length y (mm)	PE	N, L, 1, 2, 3
Absolierlänge x (mm) / Insulation strip length x (mm)	30	25
	8	



Connectable conductor types / Anschließbare Leiterquerschnitte

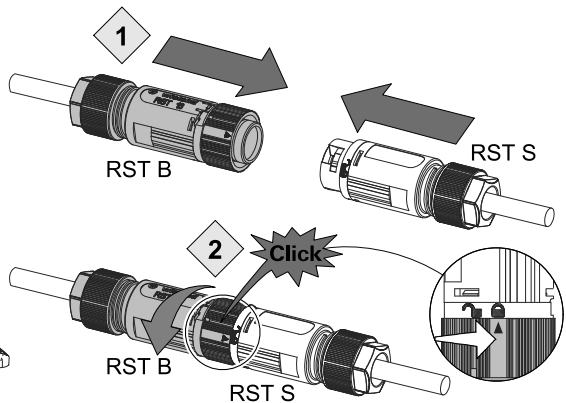
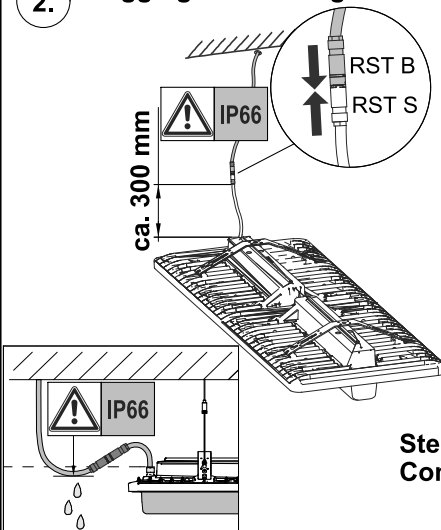
HINWEIS / NOTE		
* Die Schraubklemmenanschlüsse aller RST sind zum Anschluss von unvorherbereiteten Leitern nach EN 60999-1 geeignet.		
* RST terminals with screw clamping allow the connection of conductors without special preparation according to EN 60999-1.		
	feindrätig / fine stranded	eindrätig / solid
2-, 3-polig / 2-, 3-pole	0,25 - 1,5 mm ² (bis 1,0 mm ² mit Aderendhülsen verwendbar / up to 1,0 mm ² usable with ferrules)	0,20 - 1,5 mm ²
4-, 5-polig / 4-, 5-pole	0,25 - 2,5 mm ² (bis 1,5 mm ² mit Aderendhülsen verwendbar / up to 1,5 mm ² usable with ferrules)	0,20 - 2,5 mm ²

1d. Closing the connector / Verschließen des Steckverbinders



Verschraubung: Anzugsmoment typ. 1,5 - 2 Nm
Screw connection: Tightening torque typ. 1.5 - 2 Nm

2. Plugging and locking / Stecken und Verriegeln



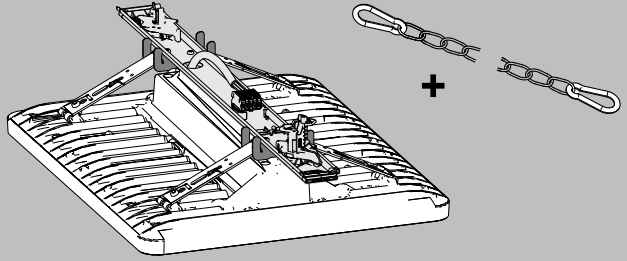
Steckverbinder verriegelt automatisch. Connector locks automatically.



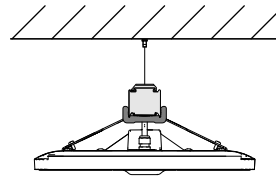
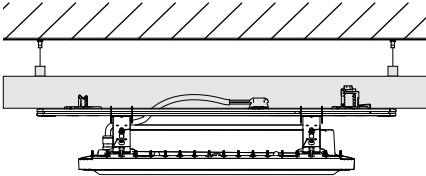
E CRAFT II plus TECTON



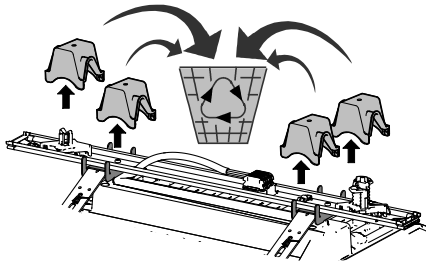
- CR2PL M-TEC
- CR2PL L-TEC



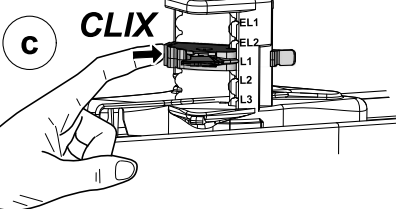
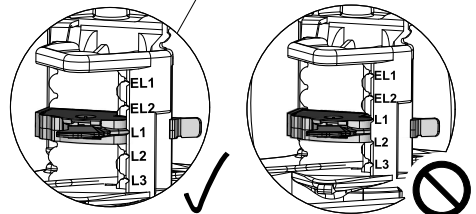
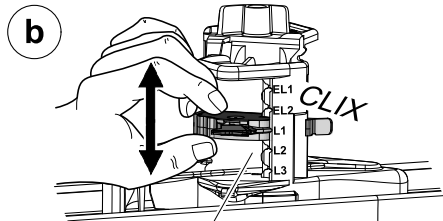
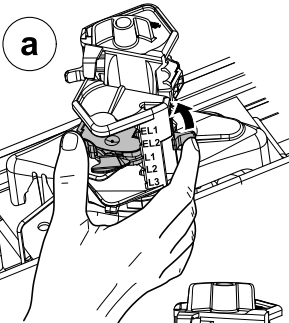
i



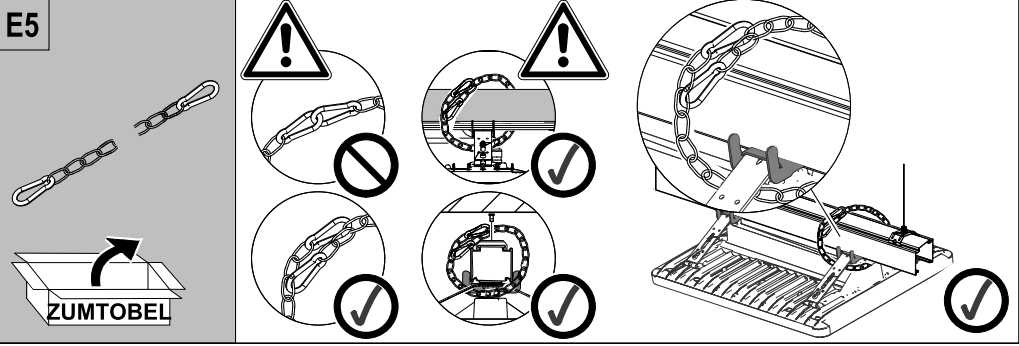
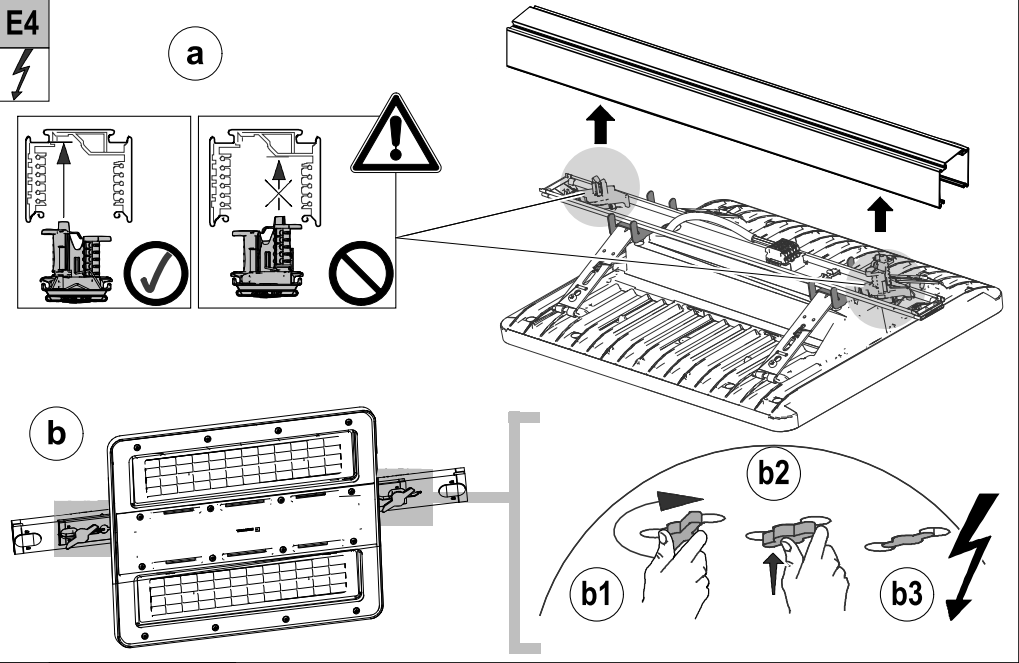
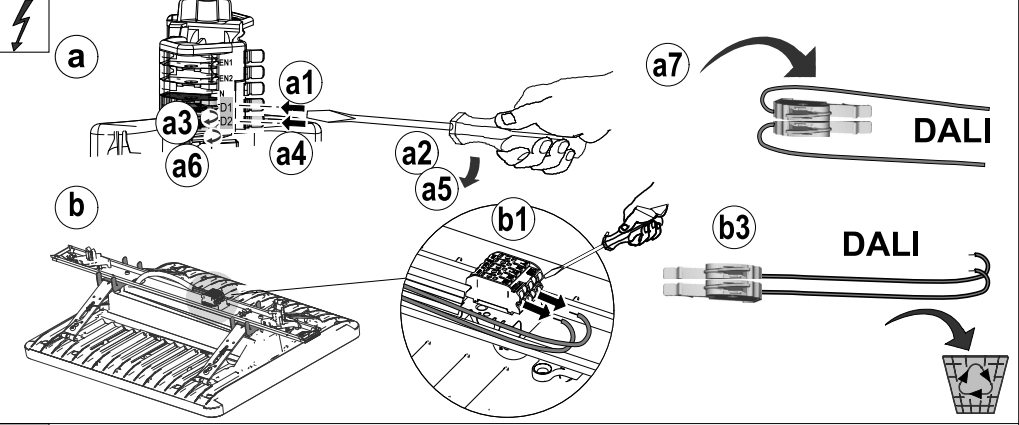
E1



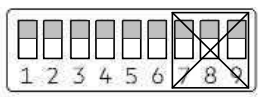
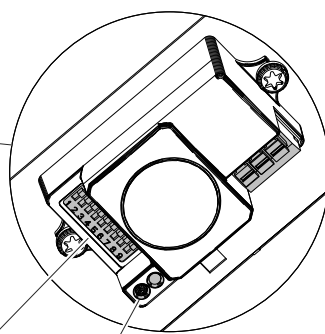
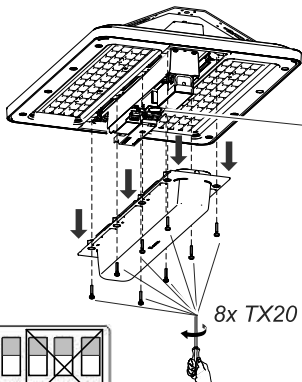
E2 CRAFT II plus TECTON M-TEC, L-TEC



E3 OPTION: CRAFT II plus TECTON (non-DALI)



i



Hold time

DIP-Switches

LED indication

NOT IN USE

Sensitivity



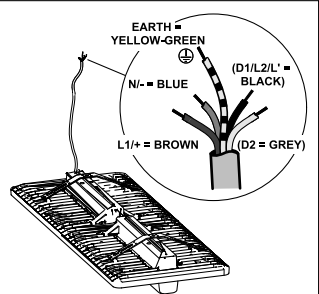
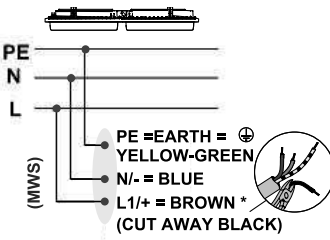
www.tridonic.com/28003498



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 Tridonic GmbH & Co KG, www.tridonic.com, info@tridonic.com, Tel. +43 5572 395-0

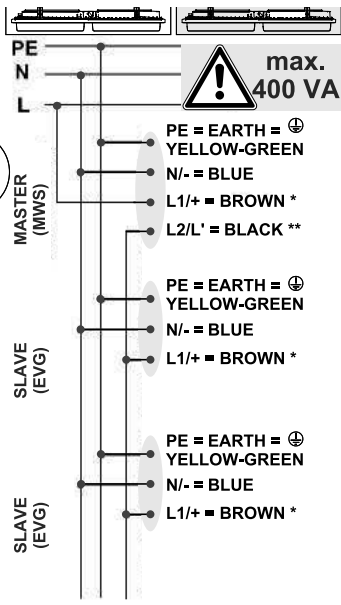
i Wiring Diagrams (MWS, MWCF)

**ON/OFF (MWS)
Stand-alone**

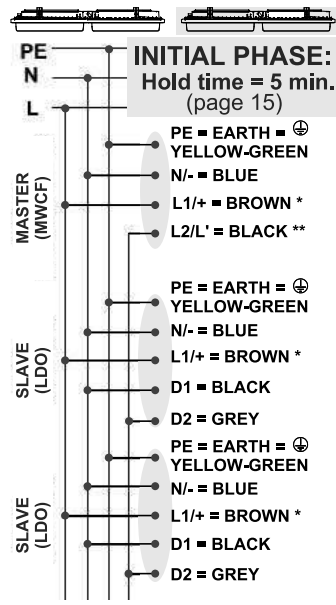


*L1 = L .. permanent line
 **L2 = L' .. switched line

**ON/OFF (MWS)
Master-Slave**



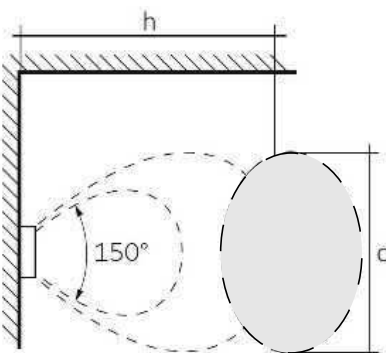
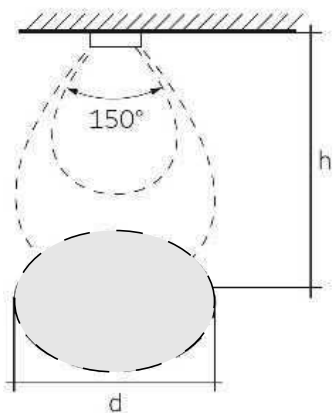
**Corridor Function (MWCF)
Master-Slave**



i Motion detection area

Ceiling mounted

Wall mounted



Sensitivity

h	100 %	75 %
	5 m	12 m
6 m	12 m	8 m
7 m	12 m	6 m
8 m	12 m	5 m
9 m	12 m	4 m
10 m	12 m	3 m
11 m	10 m	2 m
12 m	10 m	1 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/28003498



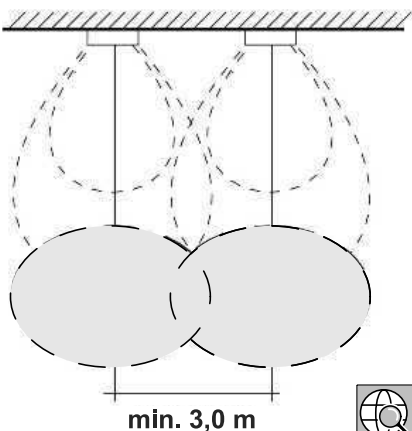
i

	1	2	3	Sensitivity		MWBM	MWCF
I	●	●	●	100 % (default)	●	✓	✓
II	○	●	●	75 %	■	✓	✓
III	○	●	○	50 %	□	✓	✓
IV	○	○	●	30 %	○	✓	✓
V	○	○	○	10 %	○	✓	✓
	4	5	6	Hold time			
I	●	●	●	5 s (default)	●	✓	✓
II	●	○	●	30 s	■	-	✓
III	●	○	○	1 min	□	-	✓
IV	○	●	●	5 min	○	-	✓
V	○	●	○	10 min	○	-	✓
VI	○	○	●	20 min	○	-	✓
VII	○	○	○	30 min	○	-	✓

(ABCD4)

OPTION SENSOR MWS + MWCF
(TRIDONIC smartSWITCH 28003498)

i Distance between luminaires



Trouble Shooting Guide

(Problem => possible Reasons => Actions)

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

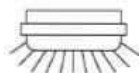
1. Detection area is too small => Check mounting instructions
2. Sensitivity is set too low => Extend sensitivity on sensor



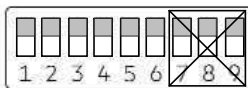
www.tridonic.com/28003498



i Corridor Function (MWCF, MWRF)

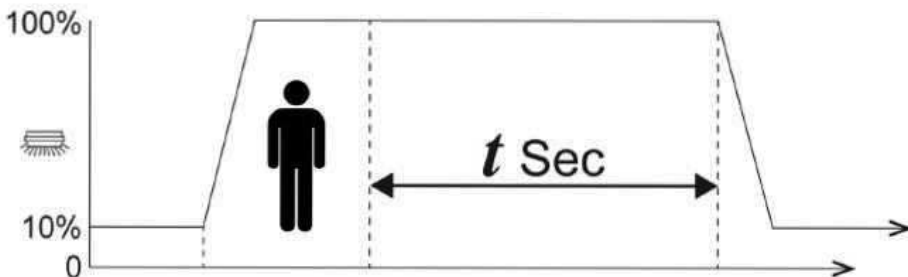


100% → 10%



Hold time

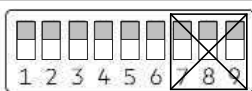
(page 15)



i BMS: bmLINK + MWCF Sensor DALI via Bluetooth® Mesh

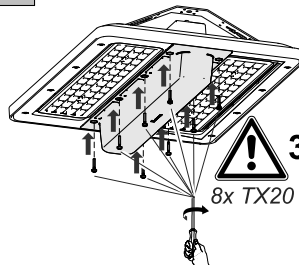


www.zumtobel.com/bmLINK



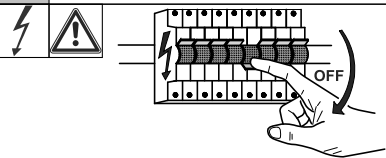
Hold time must be set to
minimum setting: I = 5 sec.

(page 15)

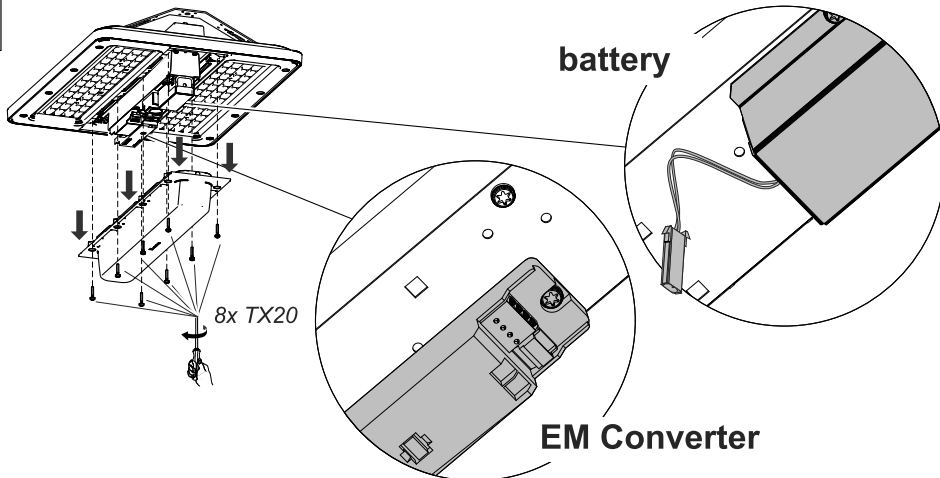


(ABCD5) **OPTION EMERGENCY: self-contained (battery)**

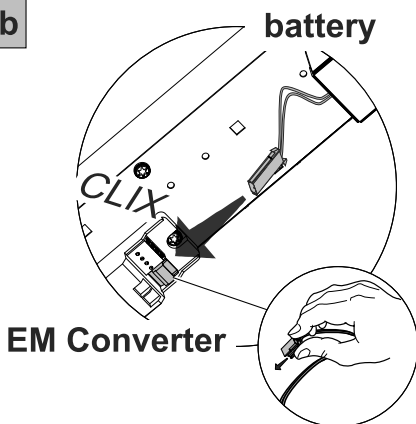
i **E3, E3D, E3DUK, MWS E3, MWCF E3D, BM E3D**



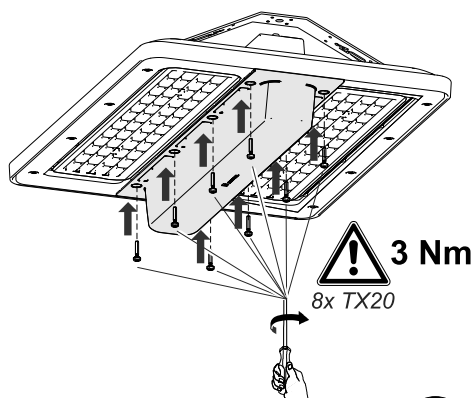
5a



5b

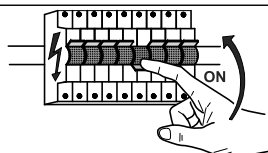
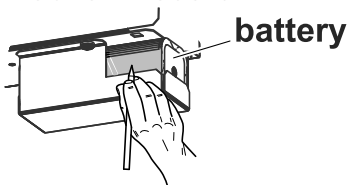


5d




5c

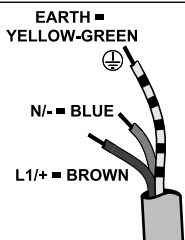
Commissioned Date:
Inbetriebnahmedatum:



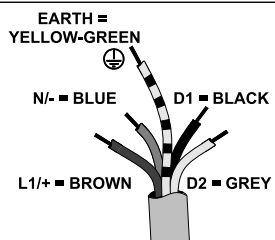
i

		Brown	Blue	Yellow-Green	Black	Grey	Red
3-pole	BM E3D	L1/+ Phase 1	N Neutral	PE Earth			
5-pole	LDO E3 LDO E3D	L1/+ Phase 1	N Neutral	PE Earth	D1 DALI	D2 DALI	
5-pole	EVG E3 MWS E3	L1/+ Phase 1	N Neutral	PE Earth	L2/L'		
6-pole	EVG E3D EVG E3D-UK MWCF E3D	L1/+ Phase 1	N Neutral	PE Earth	DALI	DALI	L2/L'

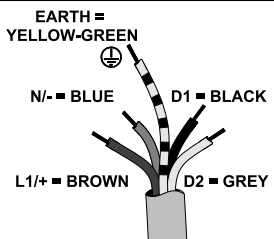
i **BM E3D**



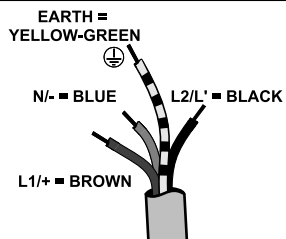
i **LDO E3**



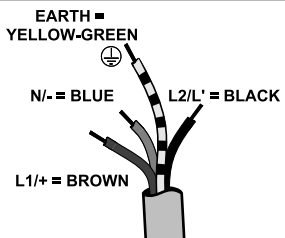
i **LDO E3D**



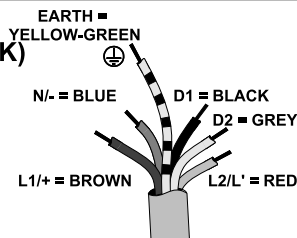
i **EVG E3**



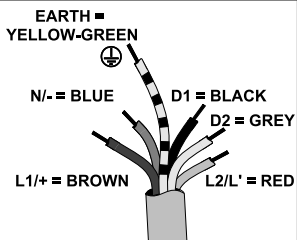
i **MWS E3**



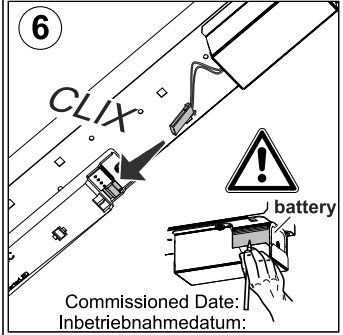
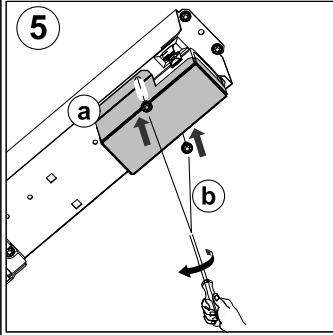
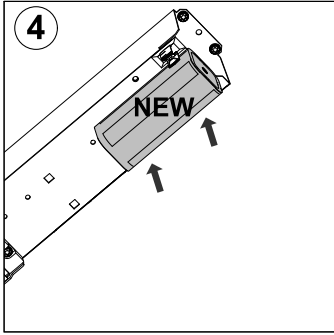
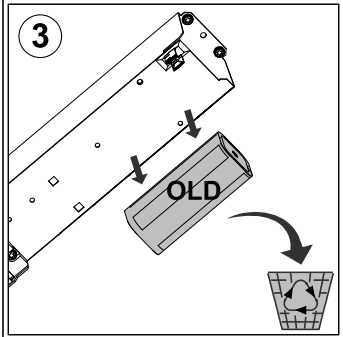
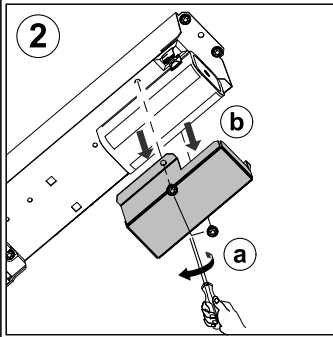
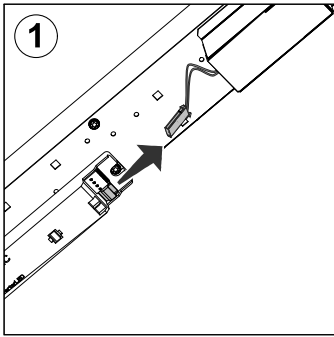
i **EVG E3D (EVG E3D-UK)**



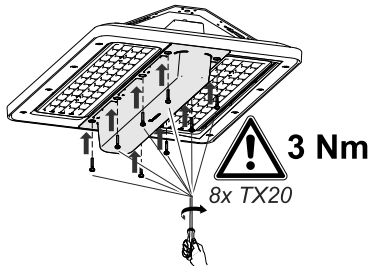
i **MWCF E3D**



i  **Change battery**



i



(ABCD6) OPTION EMERGENCY: centrally supplied

i

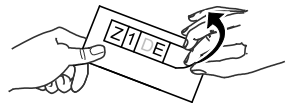
1



2 OPTION!



3



(acc. IEC/EN 60598-2-22)

DE Hinweise für die Montage und den Betrieb!

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, aus unsachgemäßem Betrieb oder unautorisierten Veränderungen an der Leuchte resultieren.



Die Lichtquelle dieser Leuchte ist nicht ersetzbar; wenn die Lichtquelle ihr Lebensdauerende erreicht hat, ist die gesamte Leuchte zu ersetzen. Bei beschädigtem Abschlussglas ist ebenfalls die gesamte Leuchte zu tauschen. **Vorsicht, Gefahr eines elektrischen Schlags.**

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

EN Instructions for installation and operation!

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.



The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced. If the cover glass is damaged also the whole luminaire needs to be replaced. **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.



La source lumineuse de ce luminaire n'est pas remplaçable; lorsque la source lumineuse atteint sa fin de sa vie, le luminaire entier doit être remplacé. Si la glace de fermeture est endommagée, le luminaire entier doit également être remplacé. **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. La sorgente luminosa di questo apparecchio



non è sostituibile; quando la sorgente luminosa raggiunge il termine di vita, l'intero apparecchio deve essere sostituito. Se il vetro è danneggiato, l'intero apparecchio deve essere sostituito.

Attenzione, rischio di shock elettrico! 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. De lichtbron van dit



armatuur is niet vervangbaar; indien de lichtbron aan het einde van zijn levensduur is, dient het gehele armatuur vervangen te worden. Indien het afdekglas beschadigd is, dient het gehele armatuur ook vervangen te worden. **WAARSCHUWING: Gevaar voor elektrische schokken.**

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