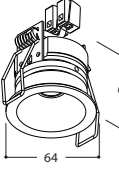


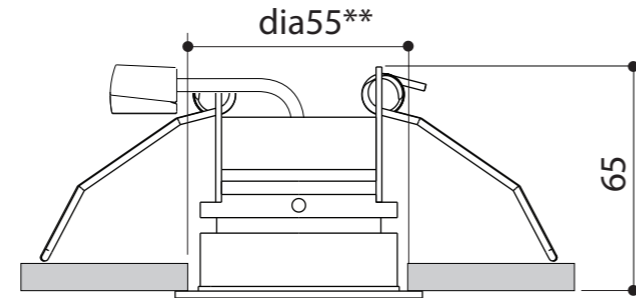
ref	name	HELAX SML	
178347	HELAX SML LUX M 2700K LEAF	TEXT WHITE	
178326	HELAX SML LUX M 2700K LEAF	TEXT BLACK	
178357	HELAX SML LUX M 3000K LEAF*	TEXT WHITE	
178336	HELAX SML LUX M 3000K LEAF*	TEXT BLACK	
178547	HELAX SML LUX M 2700K LEAF IP54	TEXT WHITE	
178526	HELAX SML LUX M 2700K LEAF IP54	TEXT BLACK	
178557	HELAX SML LUX M 3000K LEAF IP54*	TEXT WHITE	
178536	HELAX SML LUX M 3000K LEAF IP54*	TEXT BLACK	
178447	HELAX SML LUX M 2700K TORSION	TEXT WHITE	
178426	HELAX SML LUX M 2700K TORSION	TEXT BLACK	
178457	HELAX SML LUX M 3000K TORSION*	TEXT WHITE	
178436	HELAX SML LUX M 3000K TORSION*	TEXT BLACK	
178647	HELAX SML LUX M 2700K TORSION IP54	TEXT WHITE	
178626	HELAX SML LUX M 2700K TORSION IP54	TEXT BLACK	
178657	HELAX SML LUX M 3000K TORSION IP54*	TEXT WHITE	
178636	HELAX SML LUX M 3000K TORSION IP54*	TEXT BLACK	

safe distance to object	- 0,1m -
lamp / (lum.flux) / (colortemp)	Luxeon M 400lm / 418lm* 2700K / 3000K*
fitting	None
watt	3,82W
voltage or current	350mA DC (Vf = 10.95V)
symbol	
gear	Converter not incorporated
ip/class	IP20: only indoor / IP54: in & outdoor
application	Ceiling mounted
orientability	Not orientable
dimmbility	PWM dimmable
weight	0.2
beamangle	36°
CRI	80
SDCM	3



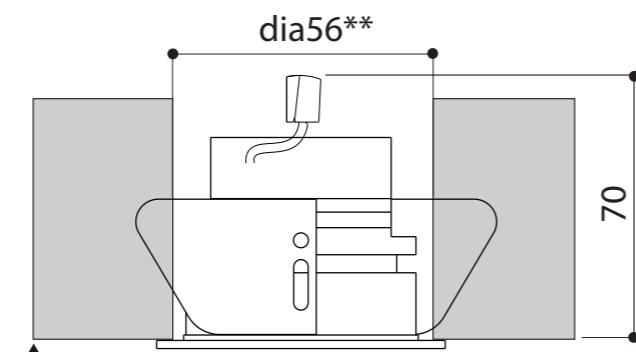
① MAKE HOLE :

Torsion (only for hollow ceilings) :

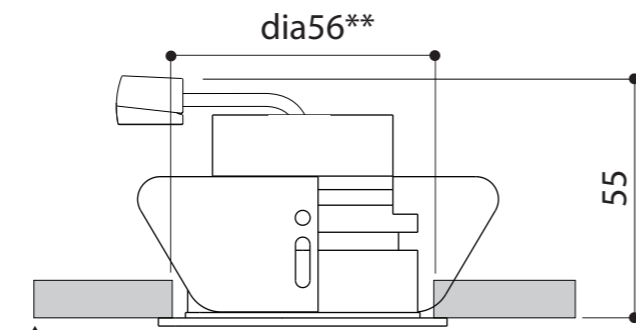


⚠ MIN. INSTALLATION DEPTH IN HOLLOW CEILINGS: 65mm
 MIN. CEILING THICKNESS: 1mm
 MAX. CEILING THICKNESS: 25mm

Leaf (for all ceiling types) :



⚠ MIN. INSTALLATION DEPTH IN SOLID CEILINGS & LEAF: 70mm



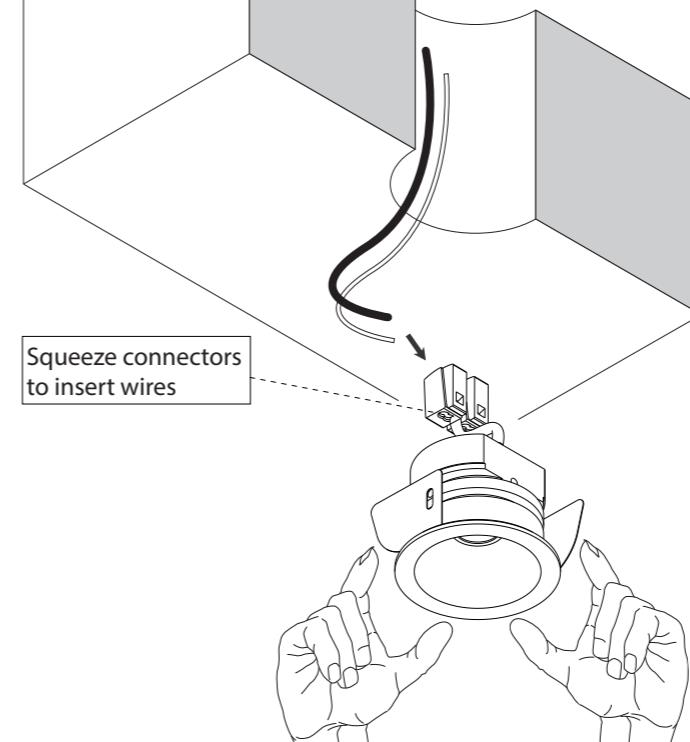
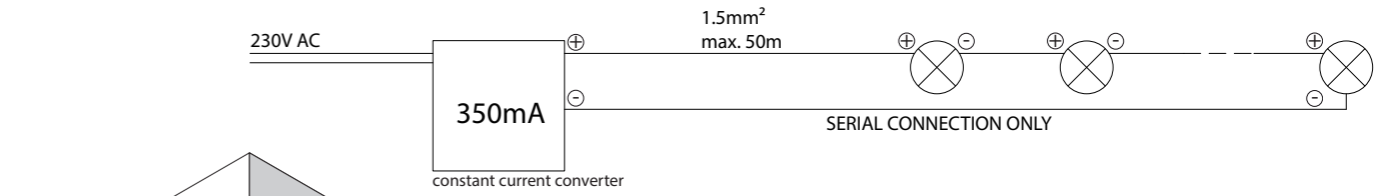
⚠ MIN. INSTALLATION DEPTH IN HOLLOW CEILINGS & LEAF: 55mm

**for metal, wood and plasterboard use standard drill size 55mm
 **for concrete use standard drill size 56mm

② a. IP20: MAKE CONNECTION WITH 2 TERMINAL BLOCKS

OR

② b. IP54: MAKE CONNECTION WITH 2 HEATSHRINKABLE CRIMP SEALED CONNECTORS

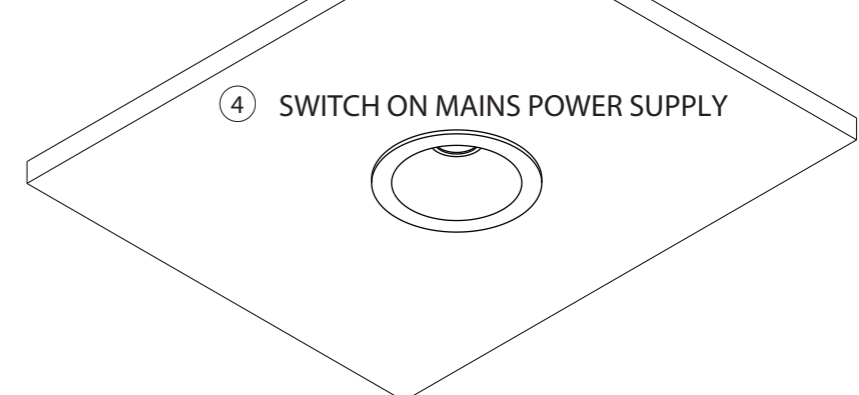


③ PUSH LUMINAIRE GENTLY INTO HOLE BY DEFORMING 2 LEAF SPRINGS INWARDS BY HAND

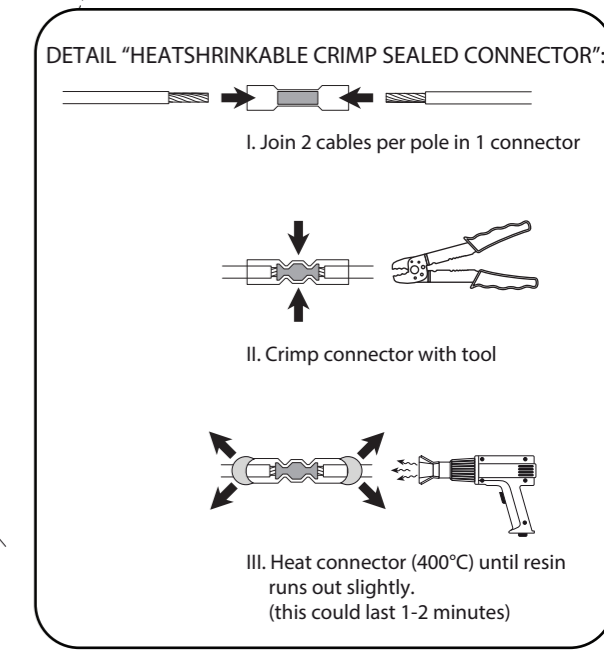
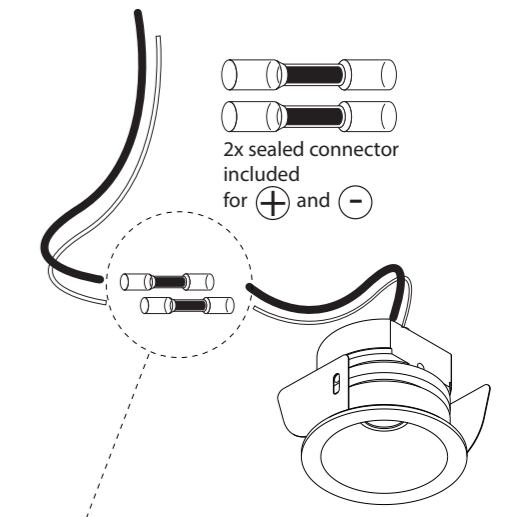
OR



③ PUSH LUMINAIRE GENTLY INTO HOLE BY DEFORMING 2 TORSION SPRINGS UPWARDS BY HAND



④ SWITCH ON MAINS POWER SUPPLY



INSTALLATIE- EN ONDERHOUDSRICHTLIJNEN m.b.t. FABRIEKSGARANTIE.
 1. DE VERBINDINGEN EN HET UITTESTEN VAN DEZE TOESTELLEN DIENEN ALTIJD TE GEBEUREN DOOR EEN ERKEND ELECTRO-INSTALLATEUR.
 2. DEZE VERLICHTINGSTOESTELLEN MOETEN GE-INSTALLEERD, VERBONDEN EN GETEST WORDEN VOLGENS DE NATIONAAL GELDENDE REGLEMENTEN OP DE ELECTRISCHE INSTALLATIES (BELGIE*, A.R.E.I., DUITSLAND: DIN VDE 0100 TEIL 559 A2, ...; DEZE OPSOMMING IS LOUWER INFORMATIEF).
 3. DE TECHNISCHE BIJSLUITER MOET GEZIEN WORDEN ALS ONDERDEEL VAN DE ALGEMENE VERKOOPVOORWAARDEN VAN TAL N.V.
 4. DE ELECTRO-INSTALLATEUR IS VERANTWOORDELIJK VOOR HET GEBRUIKEN VAN VOORSCHAKELAPPARATUUR DIE VOLDOET AAN DE GELDENDE CE EN EMC NORMEN.
 5. VERVANG DE LAMP (-EN) ALTIJD MET DE GROOTSTE ZORG, ZE IS (ZIJN) UITERST BREEKBAAR.
 6. OPGEPAST: PLAATS NOOIT DE LAMP MET BLOTE HANDEN, GEBRUIK ALTIJD EEN DOEK!

INSTRUCTIONS D'INSTALLATION ET D'ENTRETIEN A RESPECTER VIS-A-VIS DE LA GARANTIE.
 1. LE PLACEMENT, LE RACCORDEMENT ET L'ESSAI DE CET APPAREIL DOIVENT TOUJOURS ÊTRE EFFECTUES PAR UN INSTALLATEUR ELECTRICIEN AGREE.
 2. LES LUMINAIRES DOIVENT ÊTRE INSTALLEZ, BRANCHES ET TESTES SUIVANT LE REGLEMENT NATIONAL SUR LES INSTALLATIONS ELECTRIQUES EN VIGUEUR. (BELGIE*, A.R.E.I., ALLEMAGNE: DIN VDE 0100 TEIL 559 A2, ...; CETTE ENUMERATION EST INDICATIVE).
 3. CE MANUEL D'INSTALLATION TECHNIQUE REPRESENTE UNE PARTIE DES CONDITIONS GENERALES DE VENDE DE TAL N.V.
 4. L'ELECTRO-INSTALLATEUR EST RESPONSABLE POUR L'USAGE DE BALLASTS, TRANSFO'S,...CONFORMES AUX NORMES CE ET EMC EN VIGUEUR.
 5. REMPLACEZ TOUJOURS L'AMPOULE (LES AMPOULES) AVEC PRUDENCE; ELLE(-S) EST (SONT) TRES FRAGILE (-S).
 6. ATTENTION: NE JAMAIS REMPLACER L'AMPOULE AUX MAINS NUES, UTILISEZ TOUJOURS UN CHIFFON!

INSTALLATION AND MAINTENANCE INSTRUCTIONS IN VIEW OF THE MANUFACTURER'S GUARANTEE.
 1. THE CONNECTION AND TESTING OF THE DEVICES SHOULD ALWAYS BE PERFORMED BY A RECOGNIZED ELECTRICIAN.
 2. THESE LIGHTING DEVICES NEED TO BE INSTALLED, CONNECTED AND TESTED FOLLOWING THE OFFICIAL NATIONAL INSTRUCTION GUIDE FOR ELECTRICAL INSTALLATIONS (BELGIUM, A.R.E.I., GERMANY: DIN VDE 0100 TEIL 559 A2, ...; THIS ENUMERATION IS JUST AN INDICATION).
 3. THIS TECHNICAL ENCLOSURE NEEDS TO BE ADDED TO THE GENERAL SALES CONDITION OF THE TAL N.V.
 4. THE ELECTRO TECHNICIAN IS RESPONSABLE TO USE BALLASTS, TRANSFORMERS,...WHICH MEET THE VALID CE AND EMC RULES.
 5. ALWAYS REPLACE THE LAMP (-S) WITH UTMOST CAUTIONSNESS, THE LAMP (-S) IS (ARE) VERY FRAGILE.
 6. ATTENTION: NEVER REPLACE THE LAMP WITH BARE HANDS, ALWAYS USE A CLOTH!

MONTAGE- UN UNTERHALT INSTRUCTIONS ZU BEACHTEN MIT BEZUG AUF DER GARANTIE.
 1. DIE MONTAGE, DER ANSCHLUSS UND DAS AUSTESTEN DER LEUCHTEN SOLL IMMER VON EINEM ZUSTAENDIGEN ELECTRO-INSTALLATEUR AUSGEFUHRT WERDEN.
 2. DIESE LEUCHTEN MUSSEN INSTALLIERT, ANGESCHLOSSEN UND GETESTET WERDEN NACH DER ALLGEMEINEN NAZIONALEN REGLEMENTATION UBER DIE ELEKTRISCHE INSTALLATIONEN (BELGIEN, A.R.E.I., DEUTSCHLAND: DIN VDE 0100 TEIL 559 A2, ...; DIESE AUFSTELLUNG GESCHICHT DURCH EXEMPLATIVEN TITEL UND KANN NICHT ALS LIMITATIV ODER EXHAUTIV BETRACHTET WERDEN).
 3. DIESE TECHNISCHE GEBRAUCHSANWEISUNG GEHORT ZU DEN ALLGEMEINEN VERKAUFSBEDINGUNGEN VON TAL N.V.
 4. DER ELEKTRO-INSTALLATEUR IST VERANTWORTLICH FUR DAS VERWENDEN VON CE UND EMC GEPRUFTE VORSCHALTGERATE.
 5. DIE LAMPE(-N) SOLL(-EN) IMMER SERH VORSICHTIG ERSAETZT WERDEN.
 6. VORSICHT: MAN DARF NIE DIE LAMPE MIT DEN NACKTEN HAENDEN BERUEHREN, MAN SOL IMMER EINEN TUCH BENUTZEN!

⚠ ALWAYS DISCONNECT MAINS POWER SUPPLY FROM CONVERTER BEFORE SWITCHING "ON" LED LUMINAIRES TO PREVENT HOT PLUGGING ISSUES

⚠ FOR COMPATIBLE CONVERTERS SEE LEDCONVERTER MATRIX