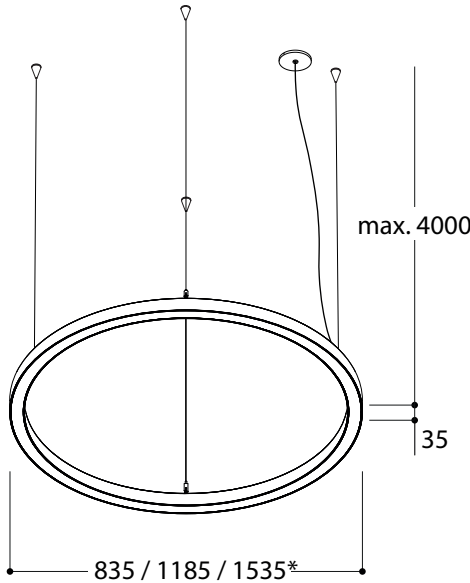


OR

RINGO SUSPENSION SET "CEILING"

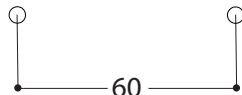
REFERENCE

297921	TEXT. WHITE	2P (ledline)
297922	TEXT. BLACK	2P (ledline)
297931	TEXT. WHITE	4P (ledline + spot)
297932	TEXT. BLACK	4P (ledline + spot)



M10 BASE RECESSED LARGE

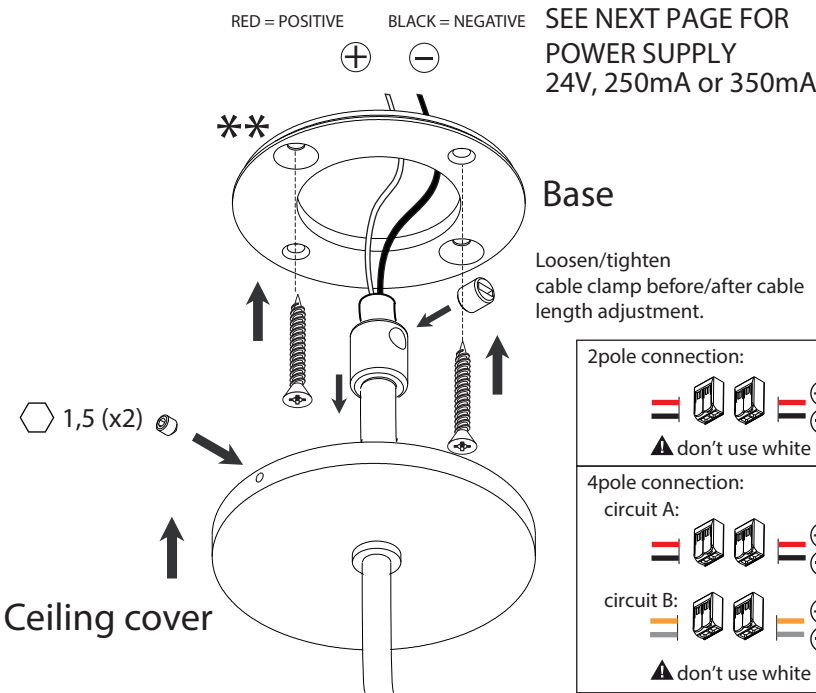
1 Drillpattern ceiling



3 Adjust cable length & make electrical connection above ceiling

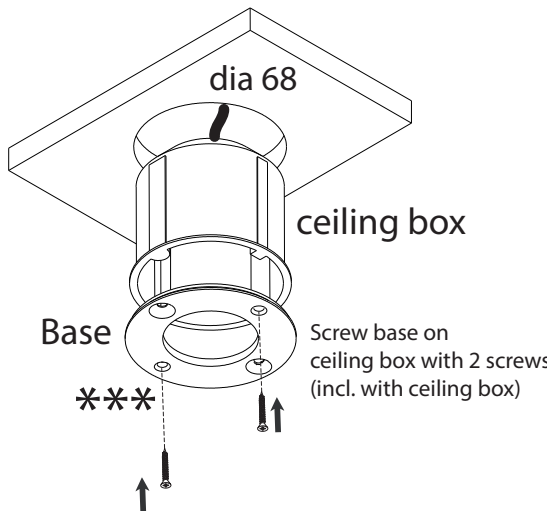
4 Fix ceiling cover to base

Without ceiling box: 2 Mount base on ceiling (use 2 big chamfered holes**)



With ceiling box:

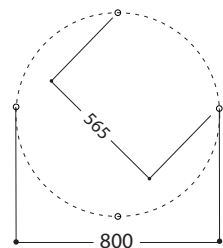
1 Make hole dia 68 2 Mount base on ceiling box (use 2 small chamfered holes***)



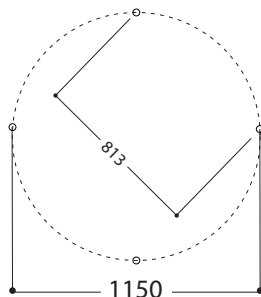
RINGO SUSPENSION CEILING

a. Drill pattern for suspension set ceiling model:

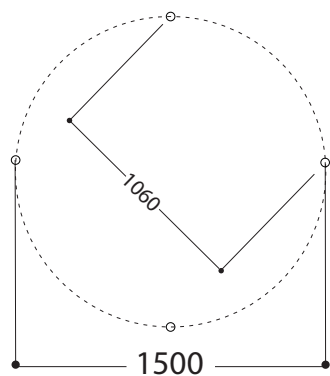
RINGO 835:



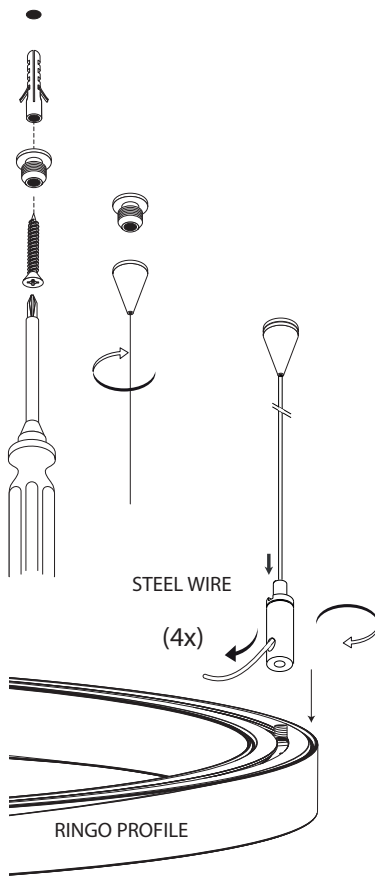
RINGO 1185:



RINGO 1535:



b. Fix suspension set



c. PREPARE SUSPENSION WIRES (4x @90°)

d. SCREW CHROME ROPEHOLDERS TO BRASS INSERTS (4x M5) ON TOP OF RINGO PROFILE

COMPATIBLE BASES

BASE ACCESSORY

B	C	D	E optional ⓘ
M10 BASE RECESSED SMALL WC	M10 BASE RECESSED LARGE WC	M10 BASE KOSMOS WC	M10 BASE SURFACE MOUNTED WC
408847 TEXT. WHITE 408826 TEXT. BLACK 408845 ANODIC BROWN	408947 TEXT. WHITE 408926 TEXT. BLACK 408945 ANODIC BROWN	408647 TEXT. WHITE 408626 TEXT. BLACK 408625 ANODIC BROWN	408547 TEXT. WHITE 408546 TEXT. BLACK 408545 ANODIC BROWN

B With M10 base 'recessed small' for electrical connection above ceiling see seperate manual
- drill 1x hole Ø20mm
- installation depth: 50mm

C With M10 base 'recessed large' for electrical connection above ceiling see above
- drill 1x hole Ø42mm
- installation depth: 50mm

D With M10 base 'kosmos' for hollow ceiling for electrical connection above ceiling see seperate manual
- drill 1x hole Ø55mm
- installation depth: 60mm

E With M10 base 'surface mounted' for electrical connection on (solid) ceiling see seperate manual



Always disconnect the mains of the converter before plugging or unplugging the LEDs !

INSTALLATIE- EN ONDERHOUDSRICHTLIJNEN m.b.t. FABRIEKSGARANTIE.

- DE VERBINDINGEN EN HET UITTESTEN VAN DEZE TOESTELLEN DIENEN ALTUJD TE GEBEUREN DOOR EEN ERKEND ELECTRO-INSTALLATEUR.
- DEZE VERLICHTINGSTOESTELLEN MOETEN GEïNSTALLEERD, 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)
- DE TECHNISCHE BIJSLUITER MOET GEZIEN WORDEN ALS ONDERDEEL VAN DE ALGEMENE VERKOOPVOORWAARDEN VAN TAL N.V.
- DE ELECTRO-INSTALLATEUR IS VERANTWOORDELIJK VOOR HET GEBUIKEN VAN VOORSCHAKELAPPARATUUR DIE VOLDOET AAN DE GELDENDE CE EN EMC NORMEN.
- VERVANG DE LAMP (-EN) ALTUJD MET DE GROOTSTE ZORG, ZE IS (ZIJN) UITERST BREEKBAAR.
- OPGEPAST: PLAATS NOOIT DE LAMP MET BLOTE HANDEN, GEBRUIK ALTUJD EEN DOEK !

INSTRUCTIONS D'INSTALLATION ET D'ENTRETIEN A RESPECTER VIS-A-VIS DE LA GARANTIE.

- LE PLACEMENT, LE RACCORDEMENT ET L'ESSAI DE CET APPAREIL DOIVENT TOUJOURS ETRE EFFECTUES PAR UN INSTALLATEUR ELECTRICIEN AGREE.
- LES LUMINAIRES DOIVENT ETRE 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)
- CE MANUEL D'INSTALLATION TECHNIQUE REPRESENTE UNE PARTIE DES CONDITIONS GENERALES DE VENTE DE TAL N.V.
- L'ELECTRO-INSTALLATEUR EST RESPONSABLE POUR L'USAGE DE BALLASTS, TRANSFO'S,...CONFORMES AUX NORMES CE ET EMC EN VIGUEUR.
- REMPLACEZ TOUJOURS L'AMPOULE (LES AMPOULES) AVEC PRUDENCE; ELLE(-S) EST (SONT) TRES FRAGILE (-S).
- ATTENTION: NE JAMAIS REMPLACER L'AMPOULE AUX MAINS NUES, UTILISEZ TOUJOURS UN CHIFFON !

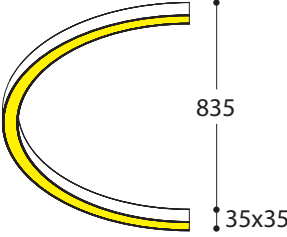
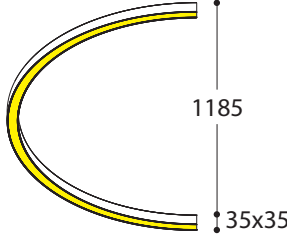
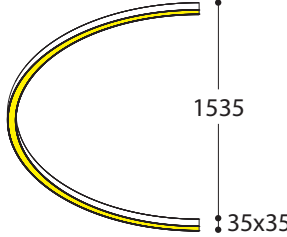
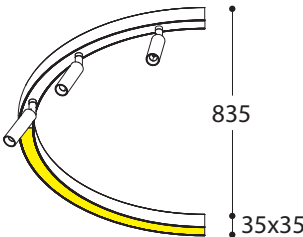
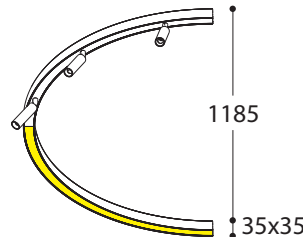
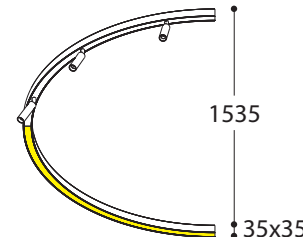
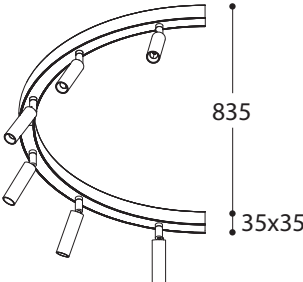
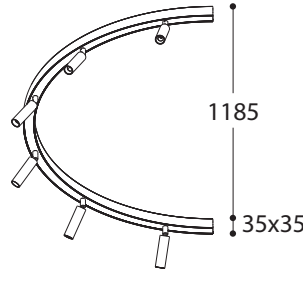
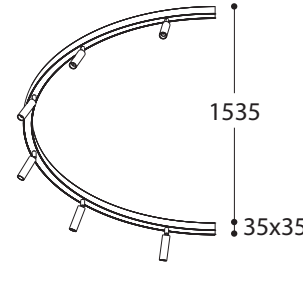
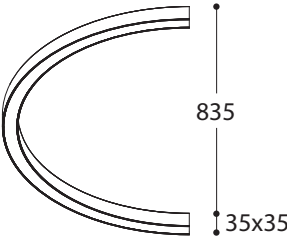
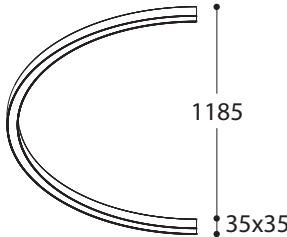
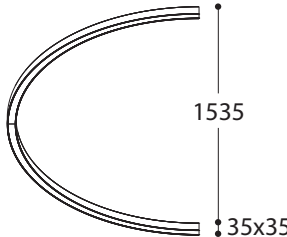
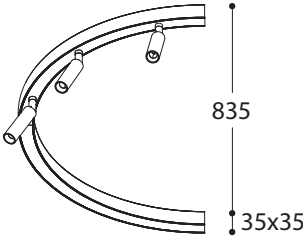
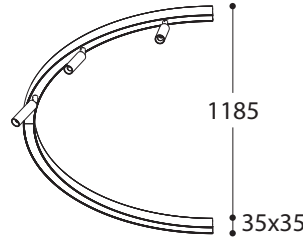
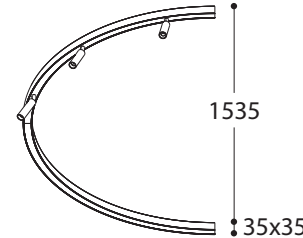
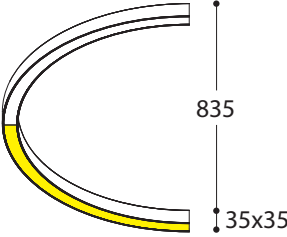
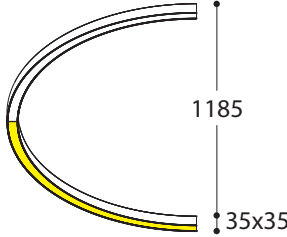
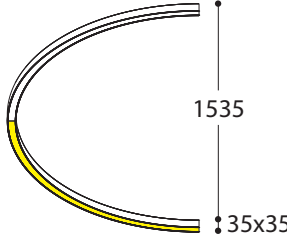
INSTALLATION AND MAINTENANCE INSTRUCTIONS IN VIEW OF THE MANUFACTURER'S GUARANTEE.

- THE CONNECTION AND TESTING OF THE DEVICES SHOULD ALWAYS BE PERFORMED BY A RECOGNIZED ELECTRICIAN.
- 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)
- THIS TECHNICAL ENCLOSURE NEEDS TO BE ADDED TO THE GENERAL SALES CONDITION OF THE TAL N.V.
- THE ELECTRO TECHNICIAN IS RESPONSABLE TO USE BALLASTS, TRANSFORMERS,...WHICH MEET THE VALID CE AND EMC RULES.
- ALWAYS REPLACE THE LAMP (-S) WITH UTMOST CAUTIOUSNESS, THE LAMP (-S) IS (ARE) VERY FRAGILE.
- ATTENTION: NEVER REPLACE THE LAMP WITH BARE HANDS, ALWAYS USE A CLOTH !

MONTAGE- UN UNTERHALT INSTRUCTIONEN ZU BEACHTEN MIT BEZUG AUF DER GARANTIE.

- DIE MONTAGE , DER ANSCHLUSS UND DAS AUSTESTEN DER LEUCHTEN SOLL IMMER VON EINEM ZUSTANDIGEN ELECTRO-INSTALLATEUR AUSGEFUHRT WERDEN.
- DIESE LEUCHTEN MÜSSEN INSTALLIERT, ANGESCHLOSSEN UND GETESTET WERDEN NACH DER ALLGEMEINEN NAZIONALEN REGLEMENTATION ÜBER 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).
- DIESE TECHNISCHE GEBRAUCHSANWEISUNG GEHÖRT ZU DEN ALLGEMEINEN VERKAUFSBEDINGUNGEN VON TAL N.V.
- DER ELEKTRO-INSTALLATEUR IST VERANTWORTLICH FÜR DAS VERWENDEN VON CE UND EMC GEPRÜFTE VORSCHALTGERÄTE.
- DIE LAMPE(-N) SOLL(-EN) IMMER SERH VORSICHTIG ERSETZT WERDEN.
- VORSICHT: MAN DARF NIE DIE LAMPE MIT DEN NACKTEN HANDEN BERÜHREN, MAN SOL IMMER EINEN TUCH BENUTZEN !

RINGO 835-1185-1535 POWER CONSUMPTION MATRIX

RINGO 835	RINGO 1185	RINGO 1535
 TYPE A - 180° LEDLINE Ledline power consumption 1/2 circle: - 2700K / 3000K / 4000K = 22,4W - 24V	 TYPE A - 180° LEDLINE Ledline power consumption 1/2 circle: - 2700K / 3000K / 4000K = 37,2W - 24V	 TYPE A - 180° LEDLINE Ledline power consumption 1/2 circle: - 2700K / 3000K / 4000K = 46,4W - 24V
 TYPE B - 90° LEDLINE + 90° 3x M10 3xM10 power consumption (2 pole): - 250mA = 12,75W - 51Vf - 350mA = 11,46W - 32,85Vf Ledline power consumption 1/4 circle: - 2700K / 3000K / 4000K = 11,2W - 24V	 TYPE B - 90° LEDLINE + 90° 3x M10 3xM10 power consumption (2 pole): - 250mA = 12,75W - 51Vf - 350mA = 11,46W - 32,85Vf Ledline power consumption 1/4 circle: - 2700K / 3000K / 4000K = 18,6W - 24V	 TYPE B - 90° LEDLINE + 90° 3x M10 3xM10 power consumption (2 pole): - 250mA = 12,75W - 51Vf - 350mA = 11,46W - 32,85Vf Ledline power consumption 1/4 circle: - 2700K / 3000K / 4000K = 23,2W - 24V
 TYPE C - 180° 6x M10 6xM10 power consumption (2 pole - 1 converter): - 250mA = 25,5W - 102Vf - 350mA = 22,92W - 65,7Vf OR 6xM10 power consumption (4 pole - 2 converters): - 250mA = 12,75W - 51Vf (per 3x M10 serial string) - 350mA = 11,46W - 32,85Vf (per 3x M10 serial string)	 TYPE C - 180° 6x M10 6xM10 power consumption (2 pole - 1 converter): - 250mA = 25,5W - 102Vf - 350mA = 22,92W - 65,7Vf OR 6xM10 power consumption (4 pole - 2 converters): - 250mA = 12,75W - 51Vf (per 3x M10 serial string) - 350mA = 11,46W - 32,85Vf (per 3x M10 serial string)	 TYPE C - 180° 6x M10 6xM10 power consumption (2 pole - 1 converter): - 250mA = 25,5W - 102Vf - 350mA = 22,92W - 65,7Vf OR 6xM10 power consumption (4 pole - 2 converters): - 250mA = 12,75W - 51Vf (per 3x M10 serial string) - 350mA = 11,46W - 32,85Vf (per 3x M10 serial string)
 TYPE D - 180° EMPTY No power consumption	 TYPE D - 180° EMPTY No power consumption	 TYPE D - 180° EMPTY No power consumption
 TYPE E - 90° EMPTY + 90° 3x M10 3xM10 power consumption (2 pole): - 250mA = 12,75W - 51Vf - 350mA = 11,46W - 32,85Vf 90° empty = NO POWER CONSUMPTION	 TYPE E - 90° EMPTY + 90° 3x M10 3xM10 power consumption (2 pole): - 250mA = 12,75W - 51Vf - 350mA = 11,46W - 32,85Vf 90° empty = NO POWER CONSUMPTION	 TYPE E - 90° EMPTY + 90° 3x M10 3xM10 power consumption (2 pole): - 250mA = 12,75W - 51Vf - 350mA = 11,46W - 32,85Vf 90° empty = NO POWER CONSUMPTION
 TYPE F - 90° LEDLINE + 90° EMPTY 90° empty = NO POWER CONSUMPTION Ledline power consumption 1/4 circle: - 2700K / 3000K / 4000K = 11,2W - 24V	 TYPE F - 90° LEDLINE + 90° EMPTY 90° empty = NO POWER CONSUMPTION Ledline power consumption 1/4 circle: - 2700K / 3000K / 4000K = 18,6W - 24V	 TYPE F - 90° LEDLINE + 90° EMPTY 90° empty = NO POWER CONSUMPTION Ledline power consumption 1/4 circle: - 2700K / 3000K / 4000K = 23,2W - 24V