TAL Moortelmeers 23, 8740 PITTEM - BELGIUM
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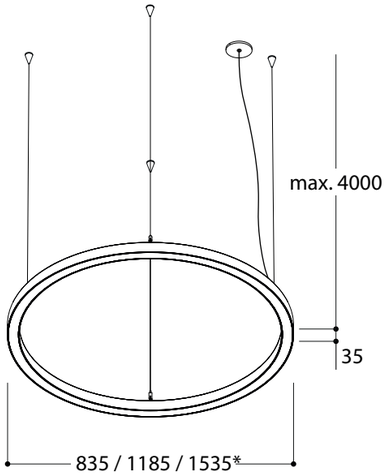
MADE IN BELGIUM 15/12/2023 - VERSION 9

CE

name RINGO SUSPENSION SET "CEILING"

REFERENCE

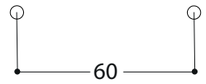
297921	TEXT. WHITE	2P (ledline)
297922	TEXT. BLACK	2P (ledline)
297925	ANODIC BROWN	2P (ledline)
297931	TEXT. WHITE	4P (ledline + spot)
297932	TEXT. BLACK	4P (ledline + spot)
297935	ANODIC BROWN	4P (ledline + spot)



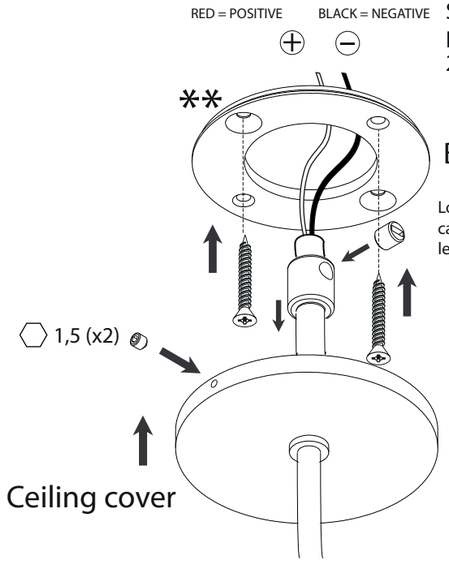
M10 BASE RECESSED LARGE

Without ceiling box:

① Drillpattern ceiling



② Mount base on ceiling
(use 2 big chamfered holes**)



SEE NEXT PAGE FOR
POWER SUPPLY
24V, 250mA or 350mA

Loosen/tighten
cable clamp before/after cable
length adjustment.

2pole connection:
red
black
don't use white wire

4pole connection:
circuit A:
red
black
circuit B:
orange
grey
don't use white wire

③ Adjust cable length &
make electrical connection
above ceiling

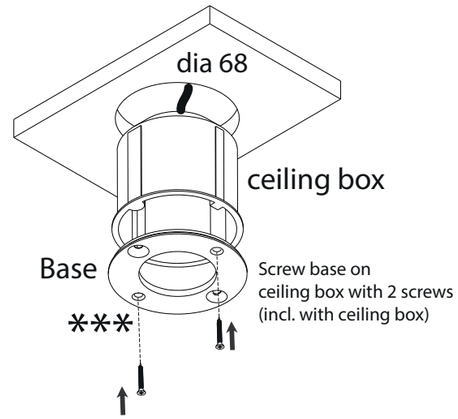
④ Fix ceiling cover to base

OR

With ceiling box:

① Make hole dia 68

② Mount base on ceiling box
(use 2 small chamfered holes***)

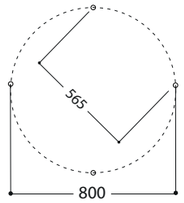


Screw base on
ceiling box with 2 screws
(incl. with ceiling box)

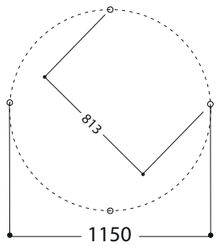
RINGO SUSPENSION CEILING

a. Drill pattern for suspension set ceiling model:

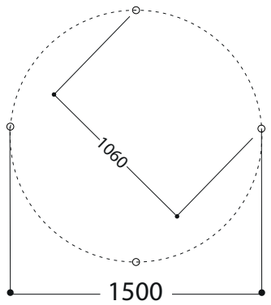
RINGO 835:



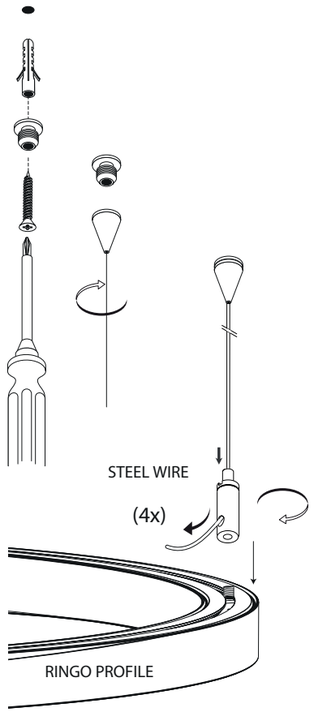
RINGO 1185:



RINGO 1535:



b. Fix suspension set

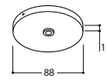


c. PREPARE SUSPENSION WIRES (4x @90°)

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

COMPATIBLE BASES

BASE ACCESSORY optional

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

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 GEINSTALLEERD, 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 LOUTER INFORMATIEF)
3. DE TECHNISCHE BIJSLUITER MOET GEZIEN WORDEN ALS ONDERDEEL VAN DE ALGEMENE VERKOOPSVOORWAARDEN 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 ETRE EFFECTUES PAR UN INSTALLATEUR ELECTRICIEN AGREE.
2. LES LUMINAIRES DOIVENT ETRE INSTALLEZ, BRANCHES ET TESTES SUIVANT LE REGLEMENT NATIONAL SUR LES INSTALLATIONS ELECTRIQUES EN VIGUEUR. (BELGIQUE, 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 VENTE 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 CAUTIOUSNESS, THE LAMP (-S) IS (ARE) VERY FRAGILE.
6. ATTENTION: NEVER REPLACE THE LAMP WITH BARE HANDS, ALWAYS USE A CLOTH !

MONTAGE- UN UNTERHALT INSTRUCTIONEN ZU BEACHTEN MIT BEZUG AUF DER GARANTIE.
1. DIE MONTAGE , DER ANSCHLUSS UND DAS AUSTESTEN DER LEUCHTEN SOLL IMMER VON EINEM ZUSTANDIGEN ELECTRO-INSTALLATEUR AUSGEFUHRT WERDEN.
2. DIESE LEUCHTEN MŸUSSEN 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 ERSATZT WERDEN.
6. VORSICHT: MAN DARF NIE DIE LAMPE MIT DEN NACKTEN HANDEN BERUHREN, MAN SOL IMMER EINEN TUCH BENUTZEN !

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

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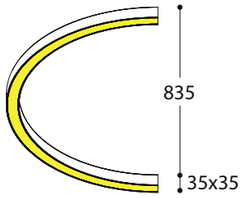
MADE IN BELGIUM 15/12/2023 - VERSION 9

CE

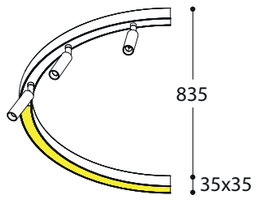
RINGO 835-1185-1535 POWER CONSUMPTION MATRIX

RINGO 835



TYPE A - 180° LEDLINE

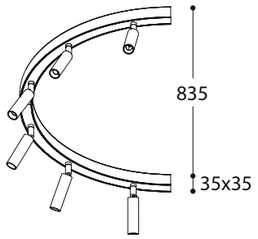
Ledline power consumption 1/2 circle:
- 2700K / 3000K / 4000K = **22,4W - 24V**



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**

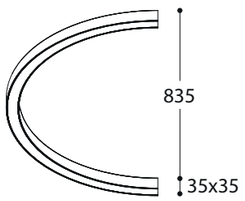


TYPE C - 180° 6x M10

6xM10 power consumption (2 pole - 1 converter):
- 250mA = **25,5W - 102Vf**
- 350mA = **22,92W - 65,7Vf**

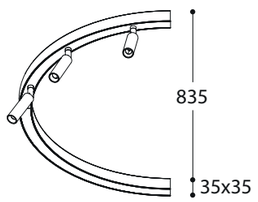
OR

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

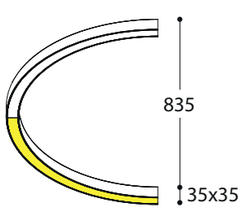
No power consumption



TYPE 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**

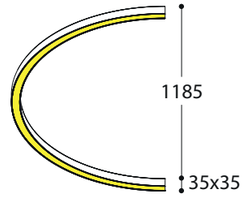


TYPE F - 90° LEDLINE + 90° EMPTY

90° empty = **NO POWER CONSUMPTION**

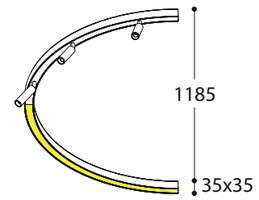
Ledline power consumption 1/4 circle:
- 2700K / 3000K / 4000K = **11,2W - 24V**

RINGO 1185



TYPE A - 180° LEDLINE

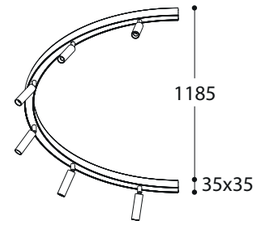
Ledline power consumption 1/2 circle:
- 2700K / 3000K / 4000K = **37,2W - 24V**



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**

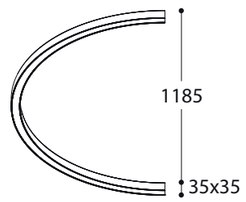


TYPE C - 180° 6x M10

6xM10 power consumption (2 pole - 1 converter):
- 250mA = **25,5W - 102Vf**
- 350mA = **22,92W - 65,7Vf**

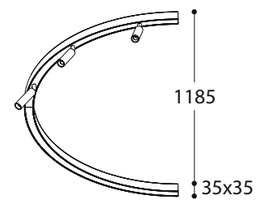
OR

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

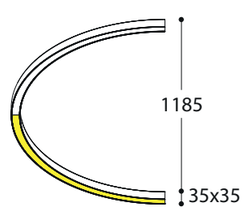
No power consumption



TYPE 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**

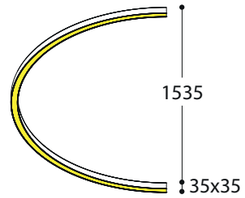


TYPE F - 90° LEDLINE + 90° EMPTY

90° empty = **NO POWER CONSUMPTION**

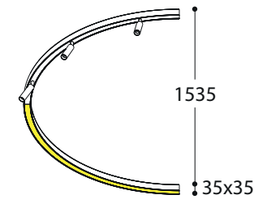
Ledline power consumption 1/4 circle:
- 2700K / 3000K / 4000K = **18,6W - 24V**

RINGO 1535



TYPE A - 180° LEDLINE

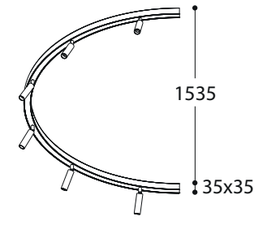
Ledline power consumption 1/2 circle:
- 2700K / 3000K / 4000K = **46,4W - 24V**



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 = **23,2W - 24V**

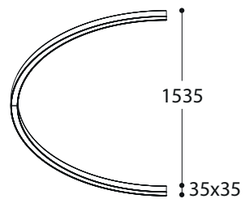


TYPE C - 180° 6x M10

6xM10 power consumption (2 pole - 1 converter):
- 250mA = **25,5W - 102Vf**
- 350mA = **22,92W - 65,7Vf**

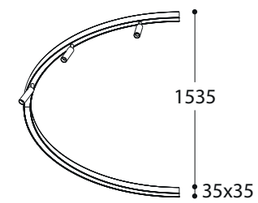
OR

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 D - 180° EMPTY

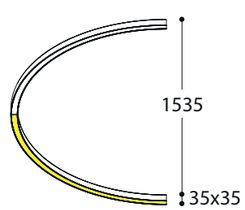
No power consumption



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 F - 90° LEDLINE + 90° EMPTY

90° empty = **NO POWER CONSUMPTION**

Ledline power consumption 1/4 circle:
- 2700K / 3000K / 4000K = **23,2W - 24V**

⚠ LEDLINE 24V: CALCULATE LEDCONVERTER WITH POWER CONSUMPTION CAPACITY ADDING 10% EXTRA POWER DEPENDING ON CONVERTER EFFICACY

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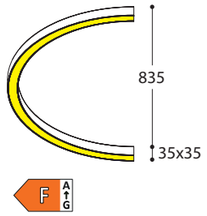
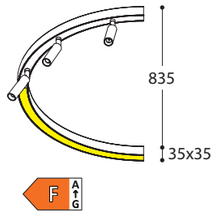
RINGO 835 TYPE A - F ARTICLE RANGE

297025	180° LEDLINE 2700K - ANODIC BROWN	TYPE A
297026	180° LEDLINE 2700K - TEXT. BLACK	TYPE A
297027	180° LEDLINE 2700K - TEXT. WHITE	TYPE A
297053	180° LEDLINE 2700K - BRUSHED ANODIC GOLD	TYPE A
297054	180° LEDLINE 2700K - BRUSHED ANODIC TITANIUM	TYPE A
297055	180° LEDLINE 2700K - BRUSHED ANODIC BRONZE	TYPE A
297035	180° LEDLINE 3000K - ANODIC BROWN	TYPE A
297036	180° LEDLINE 3000K - TEXT. BLACK	TYPE A
297037	180° LEDLINE 3000K - TEXT. WHITE	TYPE A
297063	180° LEDLINE 3000K - BRUSHED ANODIC GOLD	TYPE A
297064	180° LEDLINE 3000K - BRUSHED ANODIC TITANIUM	TYPE A
297065	180° LEDLINE 3000K - BRUSHED ANODIC BRONZE	TYPE A
297045	180° LEDLINE 4000K - ANODIC BROWN	TYPE A
297046	180° LEDLINE 4000K - TEXT. BLACK	TYPE A
297047	180° LEDLINE 4000K - TEXT. WHITE	TYPE A
297073	180° LEDLINE 4000K - BRUSHED ANODIC GOLD	TYPE A
297074	180° LEDLINE 4000K - BRUSHED ANODIC TITANIUM	TYPE A
297075	180° LEDLINE 4000K - BRUSHED ANODIC BRONZE	TYPE A



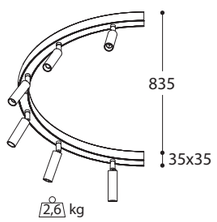
1,6 kg

297125	90° LEDLINE 2700K + 90° 3xM10 - ANODIC BROWN	TYPE B
297126	90° LEDLINE 2700K + 90° 3xM10 - TEXT. BLACK	TYPE B
297127	90° LEDLINE 2700K + 90° 3xM10 - TEXT. WHITE	TYPE B
297153	90° LEDLINE 2700K + 90° 3xM10 - BRUSHED ANODIC GOLD	TYPE B
297154	90° LEDLINE 2700K + 90° 3xM10 - BRUSHED ANODIC TITANIUM	TYPE B
297155	90° LEDLINE 2700K + 90° 3xM10 - BRUSHED ANODIC BRONZE	TYPE B
297135	90° LEDLINE 3000K + 90° 3xM10 - ANODIC BROWN	TYPE B
297136	90° LEDLINE 3000K + 90° 3xM10 - TEXT. BLACK	TYPE B
297137	90° LEDLINE 3000K + 90° 3xM10 - TEXT. WHITE	TYPE B
297163	90° LEDLINE 3000K + 90° 3xM10 - BRUSHED ANODIC GOLD	TYPE B
297164	90° LEDLINE 3000K + 90° 3xM10 - BRUSHED ANODIC TITANIUM	TYPE B
297165	90° LEDLINE 3000K + 90° 3xM10 - BRUSHED ANODIC BRONZE	TYPE B
297145	90° LEDLINE 4000K + 90° 3xM10 - ANODIC BROWN	TYPE B
297146	90° LEDLINE 4000K + 90° 3xM10 - TEXT. BLACK	TYPE B
297147	90° LEDLINE 4000K + 90° 3xM10 - TEXT. WHITE	TYPE B
297173	90° LEDLINE 4000K + 90° 3xM10 - BRUSHED ANODIC GOLD	TYPE B
297174	90° LEDLINE 4000K + 90° 3xM10 - BRUSHED ANODIC TITANIUM	TYPE B
297175	90° LEDLINE 4000K + 90° 3xM10 - BRUSHED ANODIC BRONZE	TYPE B



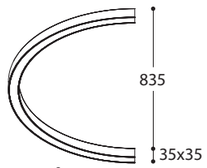
2,2 kg

297225	180° 6xM10 - ANODIC BROWN	TYPE C
297226	180° 6xM10 - TEXT. BLACK	TYPE C
297227	180° 6xM10 - TEXT. WHITE	TYPE C
297253	180° 6xM10 - BRUSHED ANODIC GOLD	TYPE C
297254	180° 6xM10 - BRUSHED ANODIC TITANIUM	TYPE C
297255	180° 6xM10 - BRUSHED ANODIC BRONZE	TYPE C



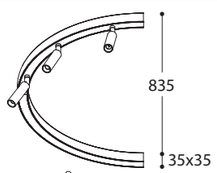
2,6 kg

297425	180° EMPTY - ANODIC BROWN	TYPE D
297426	180° EMPTY - TEXT. BLACK	TYPE D
297427	180° EMPTY - TEXT. WHITE	TYPE D
297453	180° EMPTY - BRUSHED ANODIC GOLD	TYPE D
297454	180° EMPTY - BRUSHED ANODIC TITANIUM	TYPE D
297455	180° EMPTY - BRUSHED ANODIC BRONZE	TYPE D



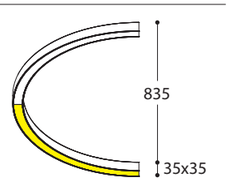
1,4 kg

297525	90° EMPTY + 90° 3xM10 - ANODIC BROWN	TYPE E
297526	90° EMPTY + 90° 3xM10 - TEXT. BLACK	TYPE E
297527	90° EMPTY + 90° 3xM10 - TEXT. WHITE	TYPE E
297553	90° EMPTY + 90° 3xM10 - BRUSHED ANODIC GOLD	TYPE E
297554	90° EMPTY + 90° 3xM10 - BRUSHED ANODIC TITANIUM	TYPE E
297555	90° EMPTY + 90° 3xM10 - BRUSHED ANODIC BRONZE	TYPE E



1,7 kg

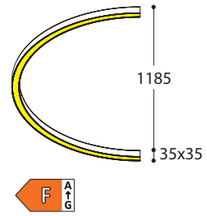
297615	90° LEDLINE 2700K + 90° EMPTY - ANODIC BROWN	TYPE F
297616	90° LEDLINE 2700K + 90° EMPTY - TEXT. BLACK	TYPE F
297617	90° LEDLINE 2700K + 90° EMPTY - TEXT. WHITE	TYPE F
297653	90° LEDLINE 2700K + 90° EMPTY - BRUSHED ANODIC GOLD	TYPE F
297654	90° LEDLINE 2700K + 90° EMPTY - BRUSHED ANODIC TITANIUM	TYPE F
297655	90° LEDLINE 2700K + 90° EMPTY - BRUSHED ANODIC BRONZE	TYPE F
297635	90° LEDLINE 3000K + 90° EMPTY - ANODIC BROWN	TYPE F
297636	90° LEDLINE 3000K + 90° EMPTY - TEXT. BLACK	TYPE F
297637	90° LEDLINE 3000K + 90° EMPTY - TEXT. WHITE	TYPE F
297663	90° LEDLINE 3000K + 90° EMPTY - BRUSHED ANODIC GOLD	TYPE F
297664	90° LEDLINE 3000K + 90° EMPTY - BRUSHED ANODIC TITANIUM	TYPE F
297665	90° LEDLINE 3000K + 90° EMPTY - BRUSHED ANODIC BRONZE	TYPE F
297645	90° LEDLINE 4000K + 90° EMPTY - ANODIC BROWN	TYPE F
297646	90° LEDLINE 4000K + 90° EMPTY - TEXT. BLACK	TYPE F
297647	90° LEDLINE 4000K + 90° EMPTY - TEXT. WHITE	TYPE F
297663	90° LEDLINE 4000K + 90° EMPTY - BRUSHED ANODIC GOLD	TYPE F
297664	90° LEDLINE 4000K + 90° EMPTY - BRUSHED ANODIC TITANIUM	TYPE F
297665	90° LEDLINE 4000K + 90° EMPTY - BRUSHED ANODIC BRONZE	TYPE F



1,9 kg

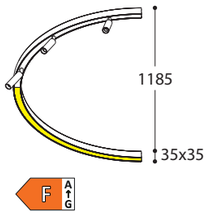
RINGO 1185 TYPE A - F ARTICLE RANGE

298025	180° LEDLINE 2700K - ANODIC BROWN	TYPE A
298026	180° LEDLINE 2700K - TEXT. BLACK	TYPE A
298027	180° LEDLINE 2700K - TEXT. WHITE	TYPE A
298035	180° LEDLINE 3000K - ANODIC BROWN	TYPE A
298036	180° LEDLINE 3000K - TEXT. BLACK	TYPE A
298037	180° LEDLINE 3000K - TEXT. WHITE	TYPE A
298045	180° LEDLINE 4000K - ANODIC BROWN	TYPE A
298046	180° LEDLINE 4000K - TEXT. BLACK	TYPE A
298047	180° LEDLINE 4000K - TEXT. WHITE	TYPE A



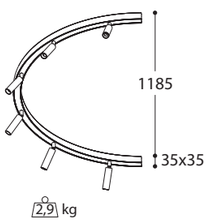
1,9 kg

298125	90° LEDLINE 2700K + 90° 3xM10 - ANODIC BROWN	TYPE B
298126	90° LEDLINE 2700K + 90° 3xM10 - TEXT. BLACK	TYPE B
298127	90° LEDLINE 2700K + 90° 3xM10 - TEXT. WHITE	TYPE B
298135	90° LEDLINE 3000K + 90° 3xM10 - ANODIC BROWN	TYPE B
298136	90° LEDLINE 3000K + 90° 3xM10 - TEXT. BLACK	TYPE B
298137	90° LEDLINE 3000K + 90° 3xM10 - TEXT. WHITE	TYPE B
298145	90° LEDLINE 4000K + 90° 3xM10 - ANODIC BROWN	TYPE B
298146	90° LEDLINE 4000K + 90° 3xM10 - TEXT. BLACK	TYPE B
298147	90° LEDLINE 4000K + 90° 3xM10 - TEXT. WHITE	TYPE B



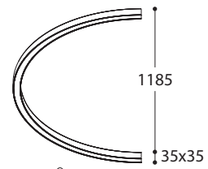
2,5 kg

298225	180° 6xM10 - ANODIC BROWN	TYPE C
298226	180° 6xM10 - TEXT. BLACK	TYPE C
298227	180° 6xM10 - TEXT. WHITE	TYPE C
298253	180° 6xM10 - BRUSHED ANODIC GOLD	TYPE C
298254	180° 6xM10 - BRUSHED ANODIC TITANIUM	TYPE C
298255	180° 6xM10 - BRUSHED ANODIC BRONZE	TYPE C



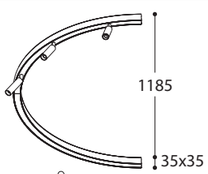
2,9 kg

298425	180° EMPTY - ANODIC BROWN	TYPE D
298426	180° EMPTY - TEXT. BLACK	TYPE D
298427	180° EMPTY - TEXT. WHITE	TYPE D



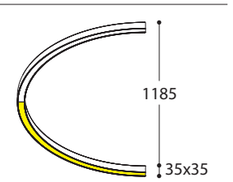
1,7 kg

298525	90° EMPTY + 90° 3xM10 - ANODIC BROWN	TYPE E
298526	90° EMPTY + 90° 3xM10 - TEXT. BLACK	TYPE E
298527	90° EMPTY + 90° 3xM10 - TEXT. WHITE	TYPE E



2 kg

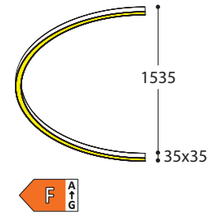
298615	90° LEDLINE 2700K + 90° EMPTY - ANODIC BROWN	TYPE F
298616	90° LEDLINE 2700K + 90° EMPTY - TEXT. BLACK	TYPE F
298617	90° LEDLINE 2700K + 90° EMPTY - TEXT. WHITE	TYPE F
298635	90° LEDLINE 3000K + 90° EMPTY - ANODIC BROWN	TYPE F
298636	90° LEDLINE 3000K + 90° EMPTY - TEXT. BLACK	TYPE F
298637	90° LEDLINE 3000K + 90° EMPTY - TEXT. WHITE	TYPE F
298645	90° LEDLINE 4000K + 90° EMPTY - ANODIC BROWN	TYPE F
298646	90° LEDLINE 4000K + 90° EMPTY - TEXT. BLACK	TYPE F
298647	90° LEDLINE 4000K + 90° EMPTY - TEXT. WHITE	TYPE F



2,2 kg

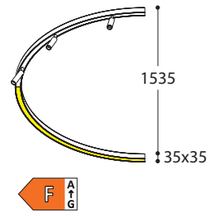
RINGO 1535 TYPE A - F ARTICLE RANGE

299025	180° LEDLINE 2700K - ANODIC BROWN	TYPE A
299026	180° LEDLINE 2700K - TEXT. BLACK	TYPE A
299027	180° LEDLINE 2700K - TEXT. WHITE	TYPE A
299035	180° LEDLINE 3000K - ANODIC BROWN	TYPE A
299036	180° LEDLINE 3000K - TEXT. BLACK	TYPE A
299037	180° LEDLINE 3000K - TEXT. WHITE	TYPE A
299045	180° LEDLINE 4000K - ANODIC BROWN	TYPE A
299046	180° LEDLINE 4000K - TEXT. BLACK	TYPE A
299047	180° LEDLINE 4000K - TEXT. WHITE	TYPE A



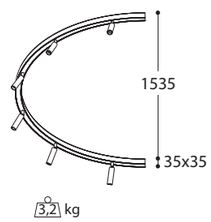
2,2 kg

299125	90° LEDLINE 2700K + 90° 3xM10 - ANODIC BROWN	TYPE B
299126	90° LEDLINE 2700K + 90° 3xM10 - TEXT. BLACK	TYPE B
299127	90° LEDLINE 2700K + 90° 3xM10 - TEXT. WHITE	TYPE B
299135	90° LEDLINE 3000K + 90° 3xM10 - ANODIC BROWN	TYPE B
299136	90° LEDLINE 3000K + 90° 3xM10 - TEXT. BLACK	TYPE B
299137	90° LEDLINE 3000K + 90° 3xM10 - TEXT. WHITE	TYPE B
299145	90° LEDLINE 4000K + 90° 3xM10 - ANODIC BROWN	TYPE B
299146	90° LEDLINE 4000K + 90° 3xM10 - TEXT. BLACK	TYPE B
299147	90° LEDLINE 4000K + 90° 3xM10 - TEXT. WHITE	TYPE B



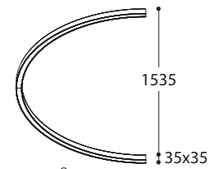
2,8 kg

299225	180° 6xM10 - ANODIC BROWN	TYPE C
299226	180° 6xM10 - TEXT. BLACK	TYPE C
299227	180° 6xM10 - TEXT. WHITE	TYPE C



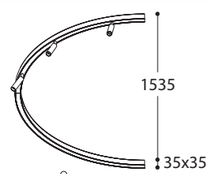
3,2 kg

299425	180° EMPTY - ANODIC BROWN	TYPE D
299426	180° EMPTY - TEXT. BLACK	TYPE D
299427	180° EMPTY - TEXT. WHITE	TYPE D



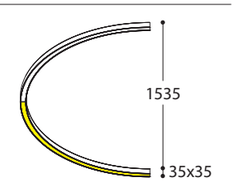
2 kg

299525	90° EMPTY + 90° 3xM10 - ANODIC BROWN	TYPE E
299526	90° EMPTY + 90° 3xM10 - TEXT. BLACK	TYPE E
299527	90° EMPTY + 90° 3xM10 - TEXT. WHITE	TYPE E



2,3 kg

299615	90° LEDLINE 2700K + 90° EMPTY - ANODIC BROWN	TYPE F
299616	90° LEDLINE 2700K + 90° EMPTY - TEXT. BLACK	TYPE F
299617	90° LEDLINE 2700K + 90° EMPTY - TEXT. WHITE	TYPE F
299635	90° LEDLINE 3000K + 90° EMPTY - ANODIC BROWN	TYPE F
299636	90° LEDLINE 3000K + 90° EMPTY - TEXT. BLACK	TYPE F
299637	90° LEDLINE 3000K + 90° EMPTY - TEXT. WHITE	TYPE F
299645	90° LEDLINE 4000K + 90° EMPTY - ANODIC BROWN	TYPE F
299646	90° LEDLINE 4000K + 90° EMPTY - TEXT. BLACK	TYPE F
299647	90° LEDLINE 4000K + 90° EMPTY - TEXT. WHITE	TYPE F



2,5 kg