

NAME	RINGO 835 SUSPENSION CI			
REFERENCE	297026	180° LEDLINE 2700K	TEXT. BLACK	TYPE A
	297027	180° LEDLINE 2700K	TEXT. WHITE	TYPE A
	297036	180° LEDLINE 3000K	TEXT. BLACK	TYPE A
	297037	180° LEDLINE 3000K	TEXT. WHITE	TYPE A
	297046	180° LEDLINE 4000K	TEXT. BLACK	TYPE A
	297047	180° LEDLINE 4000K	TEXT. WHITE	TYPE A
	297126	90° LEDLINE 2700K + 90° 3xM10	TEXT. BLACK	TYPE B
	297127	90° LEDLINE 2700K + 90° 3xM10	TEXT. WHITE	TYPE B
	297136	90° LEDLINE 3000K + 90° 3xM10	TEXT. BLACK	TYPE B
	297137	90° LEDLINE 3000K + 90° 3xM10	TEXT. WHITE	TYPE B
	297146	90° LEDLINE 4000K + 90° 3xM10	TEXT. BLACK	TYPE B
	297147	90° LEDLINE 4000K + 90° 3xM10	TEXT. WHITE	TYPE B
	297226	180° 6xM10	TEXT. BLACK	TYPE C
	297227	180° 6xM10	TEXT. WHITE	TYPE C
	297426	180° EMPTY	TEXT. BLACK	TYPE D
	297427	180° EMPTY	TEXT. WHITE	TYPE D
	297526	90° EMPTY + 90° 3xM10	TEXT. BLACK	TYPE E
	297527	90° EMPTY + 90° 3xM10	TEXT. WHITE	TYPE E
	297616	90° LEDLINE 2700K + 90° EMPTY	TEXT. BLACK	TYPE F
	297617	90° LEDLINE 2700K + 90° EMPTY	TEXT. WHITE	TYPE F
	297636	90° LEDLINE 3000K + 90° EMPTY	TEXT. BLACK	TYPE F
	297637	90° LEDLINE 3000K + 90° EMPTY	TEXT. WHITE	TYPE F
	297646	90° LEDLINE 4000K + 90° EMPTY	TEXT. BLACK	TYPE F
	297647	90° LEDLINE 4000K + 90° EMPTY	TEXT. WHITE	TYPE F
	297902	SUSP SET BASE 2P (ledline)	BLACK	
	297901	SUSP SET BASE 2P (ledline)	WHITE	
	297911	SUSP SET BASE 4P (ledline+spot)	BLACK	
	297912	SUSP SET BASE 4P (ledline+spot)	WHITE	

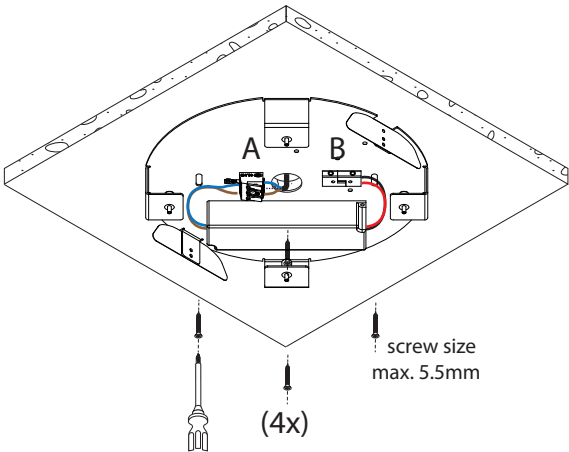
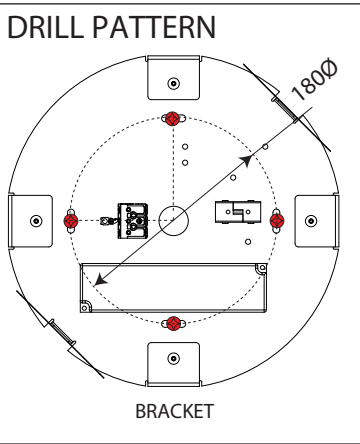
SPECIFICATIONS	Lamptype	ledline = curved led array, spot = Luxeon M or BR.LUX (LES 9)
	Symbol	
	CCT	2700K - 3000K - 4000K / spot (see manual)
	Luminous flux	ledline = 2600lm per 180° (A), per spot = see manual
	Power	ledline = 24W per 180° (A), per spot = see manual
	Voltage	230V 50-60Hz AC
	CRI	ledline = 80, spot = 90
	SDCM	3
	Beamangle	ledline = lambertian, spot = 36°
	Orientability	only for spot = 359° rotating & 90° tilting
	Gear	converter incorporated in base
	Dimmability	depending on base
	Safe distance to object	0,1m
	Class / IP	IP20
	Application	interior - ceiling suspended

TYPE A	TYPE B	TYPE C
835	835	835
35x35	35x35	35x35
TYPE D	TYPE E	TYPE F
835	835	835
35x35	35x35	35x35

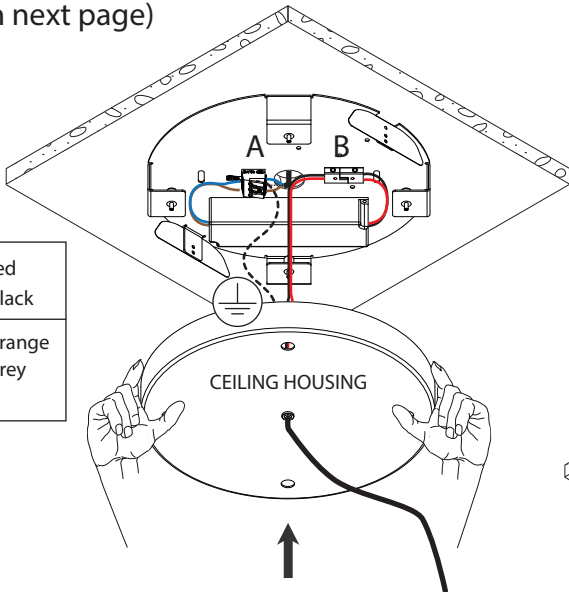
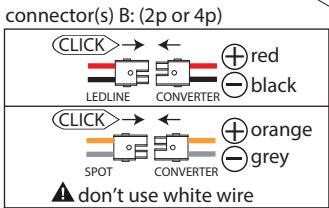
ACCESSORY			optional
NAME	ACCESSORY NAME		
REFERENCE	892630	EXTRA CIRCUIT /m COMMON NEUTRAL	
	892631	EXTRA CIRCUIT /m NO COMMON NEUTRAL	
	892632	EXTRA CIRCUIT /m FOR DIMMING SIGNAL	
	297706	FELT COVER ANTHRACITE	
	297707	FELT COVER MARBLE	

INSTALLATION

- ① .MOUNT BRACKET TO CEILING VIA DRILL PATTERN
.MAKE PRIMARY ELECTRICAL CONNECTION IN CONNECTOR A (3p or 5p for 1-10V dimm)
(see wiring schemes on next page & LEAVE UNSWITCHED)



- ⑤ .MAKE SECONDARY ELECTRICAL CONNECTION(S) IN CONNECTOR(S) B
.MAKE EARTHING CONNECTION FROM HOUSING IN CONNECTOR A
(see wiring schemes on next page)



- ⑥ PUSH CEILING HOUSING GENTLY ONTO THE CEILING BRACKET UNTIL IT SNAPS OVER THE 2 LEAF SPRINGS, APPLY LITTLE TWIST UNTIL CEILING HOUSING IS FITTED PROPERLY AGAINST CEILING



IMPOSSIBLE COMBINATIONS:

- TYPE C + C
- TYPE D + D
- TYPE C + E
- TYPE D + F



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

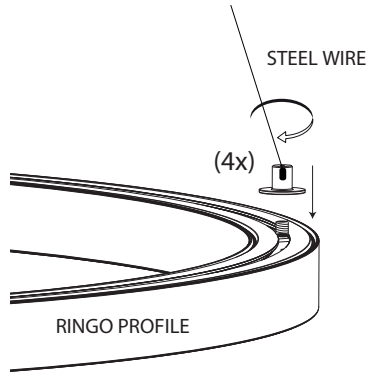
NL

Installatie- en onderhoudsrichtlijnen m.b.t. de fabrieksgarantie.
1. De plaatsing, de aansluiting en het uittesten van dit toestel dient steeds te gebeuren door een erkend elektro-installateur.
2. Dit toestel moet geïnstalleerd, verbonden en getest worden volgens de nationaal geldende reglementen op elektrische installaties.
3. De technische bijsluiter dient te worden beschouwd als een onderdeel van de algemene verkoopsvoorwaarden van TAL nv.
4. De elektro-installateur is verantwoordelijk voor het gebruik van compatibele voorschakelapparatuur die voldoen aan de geldende IEC normen.
5. Reinig het toestel enkel met een zachte en lichtvochtige doek zonder reinigingsmiddel.
6. Schakel altijd eerst de elektriciteit uit alvorens het toestel te plaatsen en te installeren.

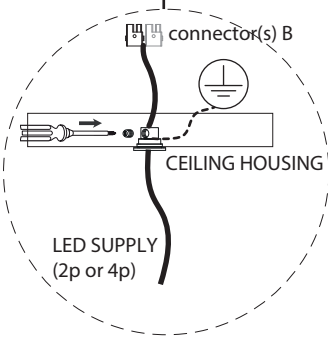
EN

Installation and maintenance instructions regarding the manufacturer's warranty.
1. Installation, connection and testing of this product must always be performed by a certified electrician.
2. This product must be installed, connected and tested in accordance with the applicable national regulations for electrical installations.
3. The technical manual must be regarded as part of the general sales conditions of TAL nv.
4. The electrical installer is responsible for the use of compatible control gear that meets the applicable IEC standards.
5. Only clean the device with a soft and slightly moist cloth without detergent.
6. Always switch off the electricity supply before installing and connecting the product.

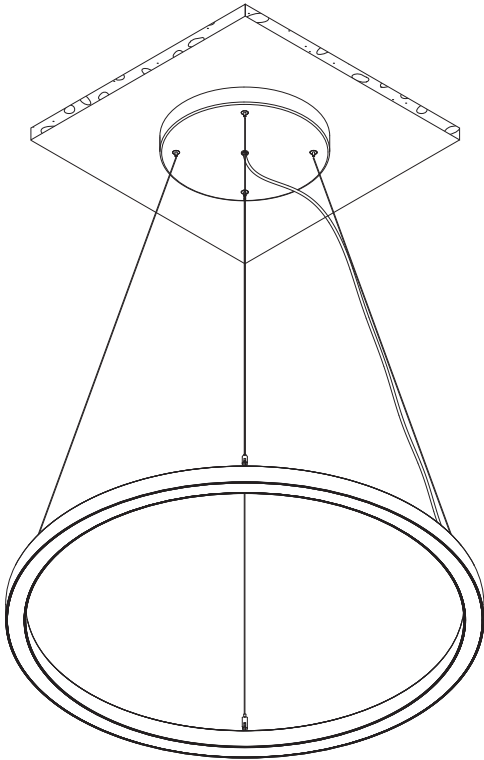
- ② PREPARE SUSPENSION WIRES (4x @90°)
AND SCREW KNURLED KNOBS TO BRASS INSERTS (M5)
ON TOP OF RINGO PROFILE



- ③ ADJUST LED SUPPLY CABLE LENGTH
AND FASTEN STRAIN RELIEF ON INSIDE OF CEILING HOUSING



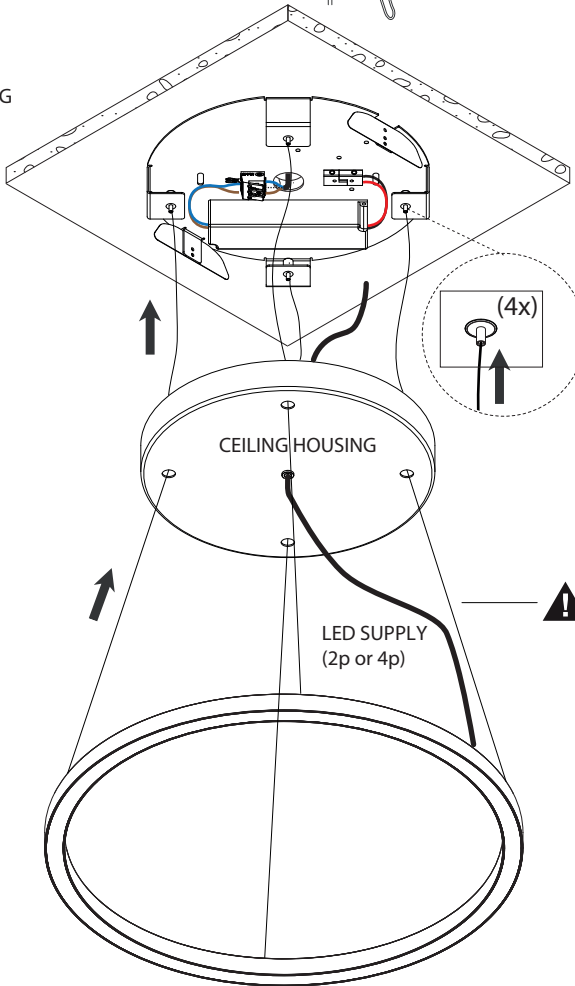
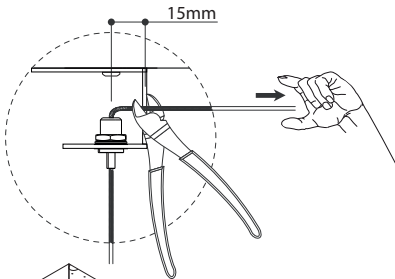
- ⑦ SWITCH ON MAINS POWER SUPPLY
(ORIENT SPOT LUMINAIRES)



- ④ .PUSH 4 STEEL WIRES THROUGH HOLES IN CEILING HOUSING
AND INTO WIRE CLAMPS ON BRACKET

.FINE ALIGN RINGO PROFILE HORIZONTALLY

.CUT STEEL WIRES ONCE SUSPENSION HEIGHT IS DETERMINED
(leave 15mm)



⚠ PENDING RANGE:
MIN: 850mm
MAX: 4000mm



SEE NEXT PAGE FOR BASE WIRING SCHEMES

DE

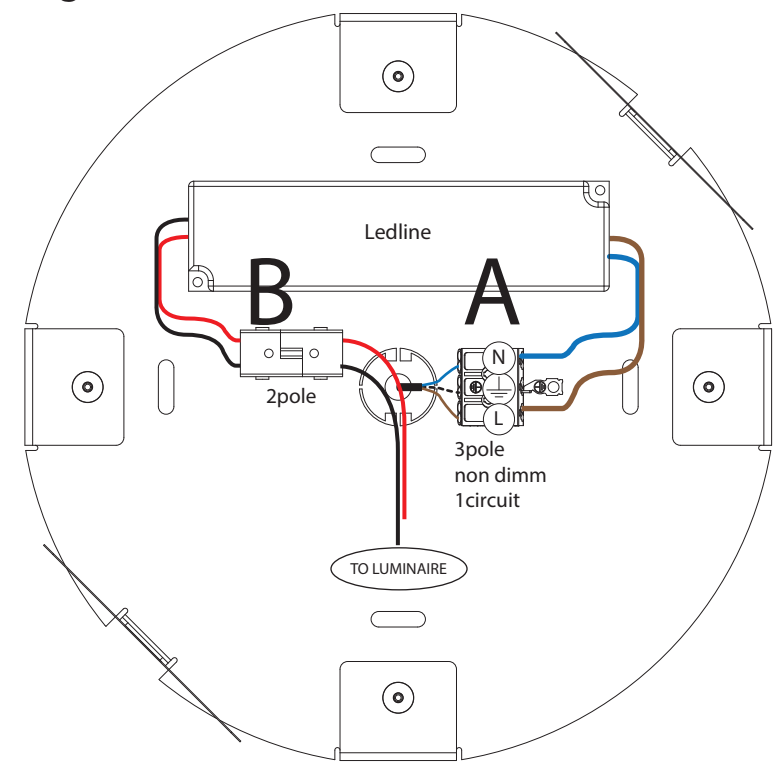
Installations- und Wartungsanweisungen bezüglich der Herstellergarantie.
1. Installation, Anschluß und Prüfung dieses Geräts soll nur von einem anerkannten Elektriker ausgeführt werden.
2. Dieses Gerät soll in Übereinstimmung mit den nationalen geltenden Vorschriften für Elektroinstallationen installiert, angeschlossen und geprüft werden.
3. Die technische Anleitung muß als Teil der allgemeinen Verkaufsbedingungen von TAL nv betrachtet werden.
4. Der Elektroinstallateur ist verantwortlich für die Verwendung von kompatibelen Betriebsgeräten, die den geltenden IEC-Normen entsprechen.
5. Reinigen Sie das Gerät nur mit einem weichen und leicht feuchten Tuch ohne Reinigungsmittel.
6. Schalten Sie den Strom immer aus, bevor Sie das Gerät installieren und anschließen.

FR

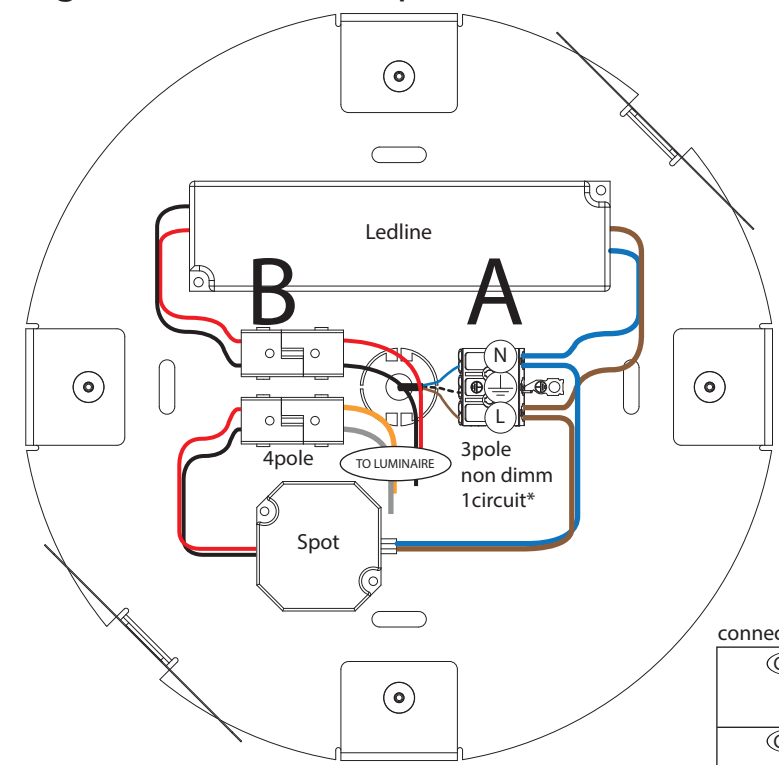
Instructions d'installation et d'entretien concernant la garantie du fabricant.
1. L'installation, la connexion et les essais de cet appareil doivent toujours être effectués par un électricien reconnu.
2. Cet appareil doit être installé, raccordé et testé conformément aux réglementations nationales pour les installations électriques.
3. La notice technique doit être considérée comme faisant partie des conditions générales de vente de TAL SA.
4. L'installateur électrique est responsable de l'utilisation d'un équipement de contrôle compatible qui satisfait aux normes CEI applicables.
5. Nettoyez l'appareil uniquement avec un chiffon doux et légèrement humide sans détergent.
6. Éteignez toujours l'électricité avant d'installer et de connecter l'appareil.

6 POSSIBLE WIRING SCHEMES FOR RINGO 835 BASES:

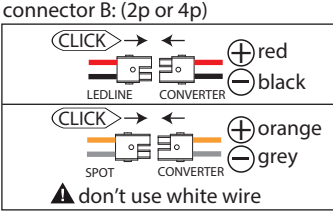
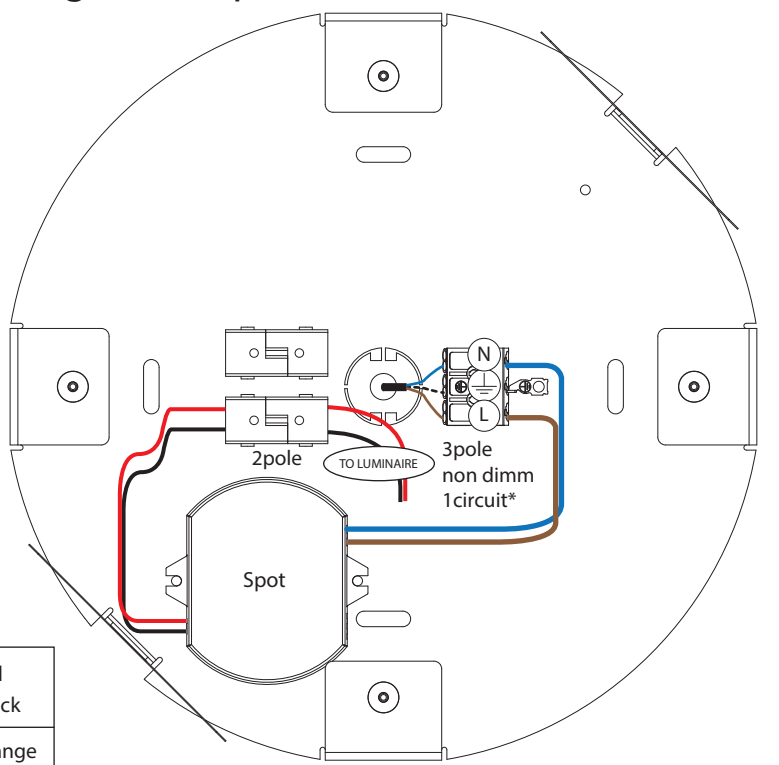
29730X
Ringo Base Ledline



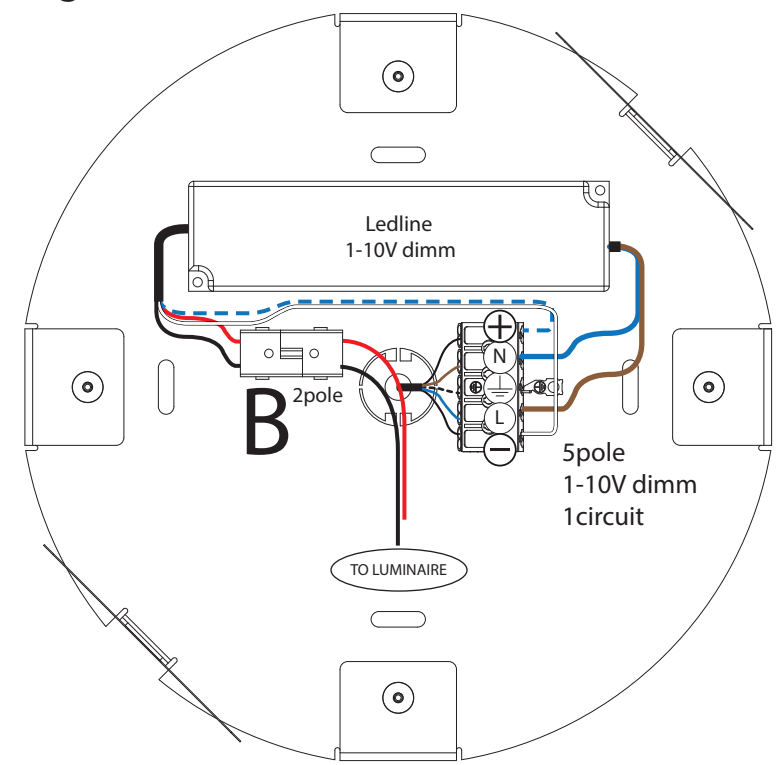
29731X / 29732X
Ringo Base Ledline + Spot



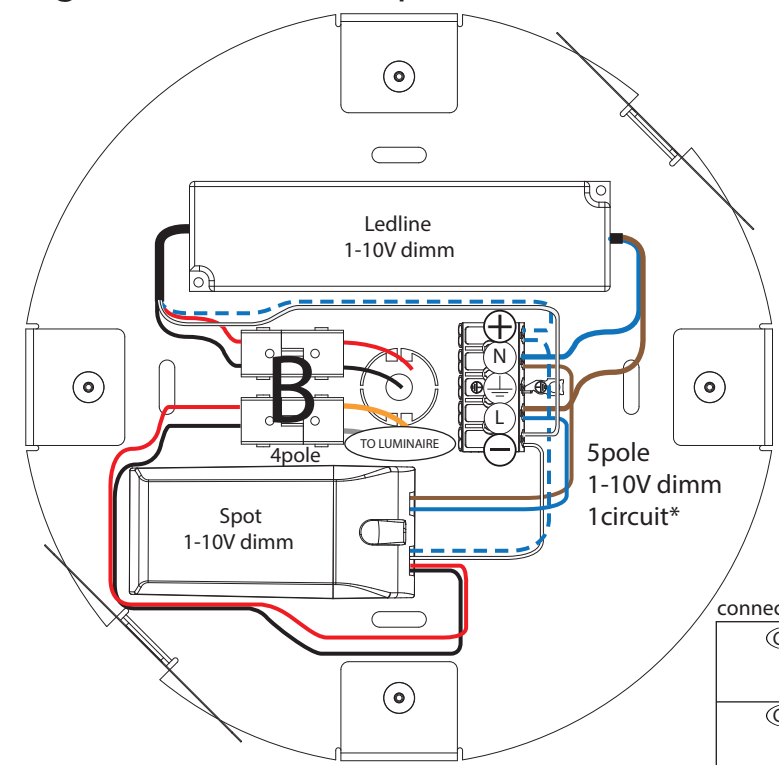
29736X
Ringo Base Spot



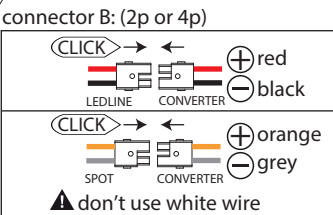
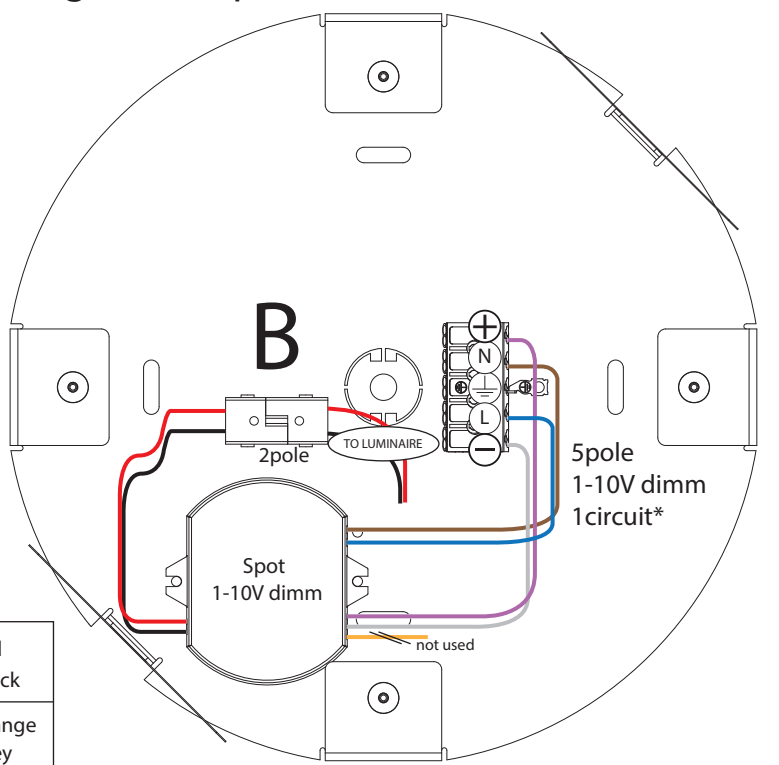
29733X
Ringo Base Ledline 1-10V DIMM



29734X / 29735X
Ringo Base Ledline + Spot 1-10V DIMM

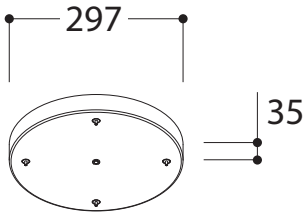
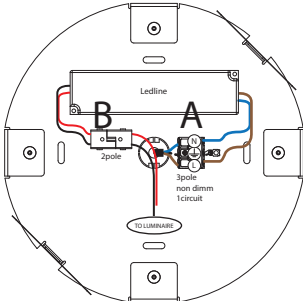
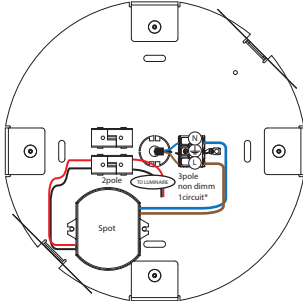
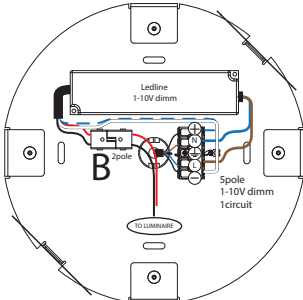
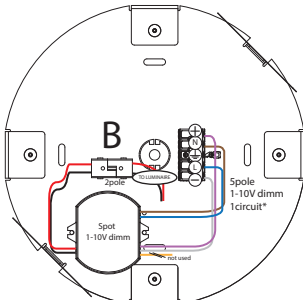
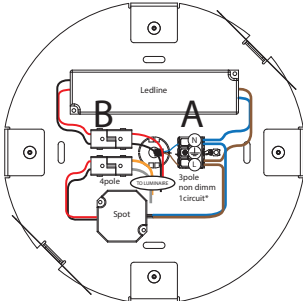
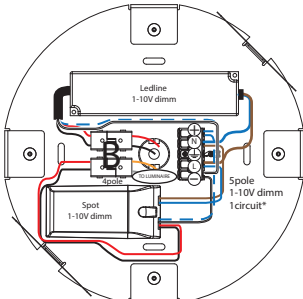


29737X
Ringo Base Spot 1-10V DIMM



⚠ *extra primary circuit is possible on request

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NAME	RINGO SUSPENSION CI BASE			ARTICLE RANGE						
REFERENCE 	297300	RINGO 835 SUSPENSION BASE CI 24W LEDLINE	TEXT. BLACK		297360	RINGO 835 SUSPENSION BASE CI 14W SPOT (250mA)	TEXT. BLACK			
	297301	RINGO 835 SUSPENSION BASE CI 24W LEDLINE	TEXT. WHITE		297361	RINGO 835 SUSPENSION BASE CI 14W SPOT (250mA)	TEXT. WHITE			
	297303	RINGO 835 SUSPENSION BASE CI 36W LEDLINE	TEXT. BLACK		297362	RINGO 835 SUSPENSION BASE CI 12W SPOT (350mA)	TEXT. BLACK			
	297304	RINGO 835 SUSPENSION BASE CI 36W LEDLINE	TEXT. WHITE		297363	RINGO 835 SUSPENSION BASE CI 12W SPOT (350mA)	TEXT. WHITE			
	297306	RINGO 835 SUSPENSION BASE CI 48W LEDLINE	TEXT. BLACK		297364	RINGO 835 SUSPENSION BASE CI 28W SPOT (250mA)	TEXT. BLACK			
	297307	RINGO 835 SUSPENSION BASE CI 48W LEDLINE	TEXT. WHITE		297365	RINGO 835 SUSPENSION BASE CI 28W SPOT (250mA)	TEXT. WHITE			
	297330	RINGO 835 SUSPENSION BASE CI 24W LEDLINE 1-10V DIMM	TEXT. BLACK		297366	RINGO 835 SUSPENSION BASE CI 24W SPOT (350mA)	TEXT. BLACK			
	297331	RINGO 835 SUSPENSION BASE CI 24W LEDLINE 1-10V DIMM	TEXT. WHITE		297367	RINGO 835 SUSPENSION BASE CI 24W SPOT (350mA)	TEXT. WHITE			
	297333	RINGO 835 SUSPENSION BASE CI 36W LEDLINE 1-10V DIMM	TEXT. BLACK		297368	RINGO 835 SUSPENSION BASE CI 24W SPOT (700mA)	TEXT. BLACK			
	297334	RINGO 835 SUSPENSION BASE CI 36W LEDLINE 1-10V DIMM	TEXT. WHITE		297369	RINGO 835 SUSPENSION BASE CI 24W SPOT (700mA)	TEXT. WHITE			
	297336	RINGO 835 SUSPENSION BASE CI 48W LEDLINE 1-10V DIMM	TEXT. BLACK		297370	RINGO 835 SUSPENSION BASE CI 14W SPOT (250mA) 1-10V DIMM	TEXT. BLACK			
	297337	RINGO 835 SUSPENSION BASE CI 48W LEDLINE 1-10V DIMM	TEXT. WHITE		297371	RINGO 835 SUSPENSION BASE CI 14W SPOT (250mA) 1-10V DIMM	TEXT. WHITE			
	297372	RINGO 835 SUSPENSION BASE CI 12W SPOT (350mA) 1-10V DIMM	TEXT. BLACK		297373	RINGO 835 SUSPENSION BASE CI 12W SPOT (350mA) 1-10V DIMM	TEXT. WHITE			
	297374	RINGO 835 SUSPENSION BASE CI 28W SPOT (250mA) 1-10V DIMM	TEXT. BLACK		297375	RINGO 835 SUSPENSION BASE CI 28W SPOT (250mA) 1-10V DIMM	TEXT. WHITE			
	297376	RINGO 835 SUSPENSION BASE CI 24W SPOT (350mA) 1-10V DIMM	TEXT. BLACK		297377	RINGO 835 SUSPENSION BASE CI 24W SPOT (350mA) 1-10V DIMM	TEXT. WHITE			
	297378	RINGO 835 SUSPENSION BASE CI 24W SPOT (700mA) 1-10V DIMM	TEXT. BLACK		297379	RINGO 835 SUSPENSION BASE CI 24W SPOT (700mA) 1-10V DIMM	TEXT. WHITE			
	297320	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 14W SPOT (250mA)	TEXT. BLACK							
	297321	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 14W SPOT (250mA)	TEXT. WHITE							
	297322	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 12W SPOT (350mA)	TEXT. BLACK							
	297323	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 12W SPOT (350mA)	TEXT. WHITE							
	297324	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 28W SPOT (250mA)	TEXT. BLACK							
	297325	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 28W SPOT (250mA)	TEXT. WHITE							
	297326	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 24W SPOT (350mA)	TEXT. BLACK							
	297327	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 24W SPOT (350mA)	TEXT. WHITE							
	297328	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 24W SPOT (700mA)	TEXT. BLACK							
	297329	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 24W SPOT (700mA)	TEXT. WHITE							
	297314	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 14W SPOT (250mA)	TEXT. BLACK							
	297315	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 14W SPOT (250mA)	TEXT. WHITE							
	297316	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 12W SPOT (350mA)	TEXT. BLACK							
	297317	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 12W SPOT (350mA)	TEXT. WHITE							
	297318	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 24W SPOT (700mA)	TEXT. BLACK							
	297319	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 24W SPOT (700mA)	TEXT. WHITE							
	297350	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 14W SPOT (250mA) 1-10V DIMM	TEXT. BLACK							
	297351	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 14W SPOT (250mA) 1-10V DIMM	TEXT. WHITE							
	297352	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 12W SPOT (350mA) 1-10V DIMM	TEXT. BLACK							
	297353	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 12W SPOT (350mA) 1-10V DIMM	TEXT. WHITE							
	297354	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 28W SPOT (250mA) 1-10V DIMM	TEXT. BLACK							
	297355	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 28W SPOT (250mA) 1-10V DIMM	TEXT. WHITE							
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	297358	RINGO 835 SUSPENSION BASE CI 24W LEDLINE + 24W SPOT (700mA) 1-10V DIMM	TEXT. BLACK							
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	297344	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 14W SPOT (250mA) 1-10V DIMM	TEXT. BLACK							
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297347	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 12W SPOT (350mA) 1-10V DIMM	TEXT. WHITE								
297348	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 24W SPOT (700mA) 1-10V DIMM	TEXT. BLACK								
297349	RINGO 835 SUSPENSION BASE CI 36W LEDLINE + 24W SPOT (700mA) 1-10V DIMM	TEXT. WHITE								