


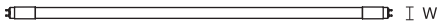
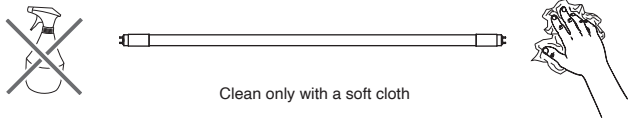
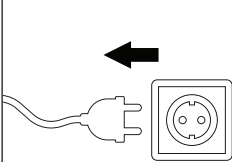


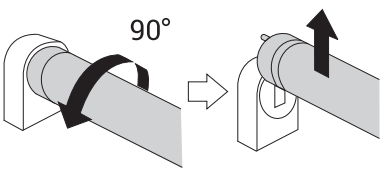
<p>Content:</p>  x1  x1	<p>Dimension: *Dimensions in mm</p>  L  I W
 <p>Clean only with a soft cloth</p>	

EAN	W	lm	K	CRI	Ta (°C)	V	Hz	Dim	kg	L(mm)	W(mm)
8719157042413	16	2160	3000	80	-20~+45	90-110 V ~	15K-80K	No	0.13	1163	18
8719157042420	16	2400	4000	80	-20~+45	90-110 V ~	15K-80K	No	0.13	1163	18
8719157042437	16	2400	6500	80	-20~+45	90-110 V ~	15K-80K	No	0.13	1163	18
8719157049108	19	2610	3000	80	-20~+45	105-125 V ~	15K-80K	No	0.165	1463	18
8719157049115	19	2900	4000	80	-20~+45	105-125 V ~	15K-80K	No	0.165	1463	18
8719157049122	19	2900	6500	80	-20~+45	105-125 V ~	15K-80K	No	0.165	1463	18
8719157042444	26	3510	3000	80	-20~+45	90-110 V ~	15K-80K	No	0.16	1463	18
8719157042451	26	3900	4000	80	-20~+45	90-110 V ~	15K-80K	No	0.16	1463	18
8719157042468	26	3900	6500	80	-20~+45	90-110 V ~	15K-80K	No	0.16	1463	18

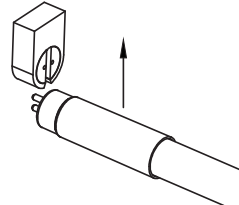
1 INSTALLATION:



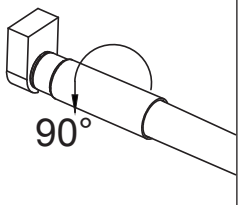
2 Existing Tube



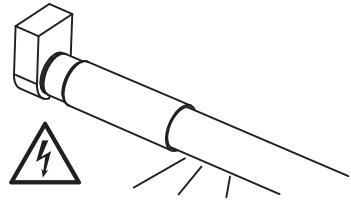
3



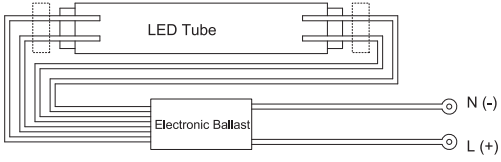
4



5



WIRING DIAGRAM:



Note:
 HF electronic ballast introduces switch mode power supply to transform the input voltage and changes the mains frequency to 20000 Hz or higher. This LED tube is designed to work on HF electronic ballasts. The performance of the LED tube may vary in different applications. Since the output parameters are different by different Electronic ballast, the power of tubes will be different when compatible with electronic ballast. Our compatibility list will be increased with further validation implemented. We can also do the validation test according to the designation by client. The compatibility performance of our LED tubes on HF ballasts with DC operation is not tested and therefore it will be further validated according to the designation by client.
 No modification of the luminaire which the LED lamp is to be used with are to be made.

EN The luminaire shall be installed and maintained by a qualified electrician, in accordance with the national regulations in each country. The luminaire contains no replaceable parts. In case of the luminaire is damaged, it shall be exclusively replaced by the manufacturer or authorized dealer. Keep the operating manual for later use. The manufacturer is not responsible for the incorrect use and assembly of this product.


NL De armatuur dient te worden geïnstalleerd en onderhouden door een erkend installateur, in overeenstemming met de nationale regelgeving in het betreffende land. De armatuur bevat geen vervangbare onderdelen. Indien de armatuur is beschadigd dient deze enkel te worden vervangen door de fabrikant of door een erkende dealer. Bewaar de handleiding voor later gebruik. De fabrikant is niet verantwoordelijk voor onjuist gebruik en/of installatie van dit product.

DE Die Leuchte muss von einem qualifizierten Elektriker gemäß den nationalen Vorschriften in jedem Land installiert und gewartet werden. Die Leuchte enthält keine austauschbaren Teile. Falls die Leuchte beschädigt ist, wird sie ausschließlich durch den Hersteller oder den autorisierten Händler ersetzt. Bewahren Sie die Bedienungsanleitung für spätere Verwendung auf. Der Hersteller ist nicht verantwortlich für die unsachgemäße Verwendung und Montage dieses Produktes.

FR Le luminaire doit être installé et entretenu par un électricien qualifié, conformément à la réglementation nationale de chaque pays. Le luminaire ne contient pas de pièces remplaçables. Dans le cas où le luminaire est endommagé, il doit être remplacé exclusivement par le fabricant ou le revendeur agréé. Conservez le mode d'emploi pour une utilisation ultérieure. Le fabricant n'est pas responsable de l'utilisation et du montage incorrects de ce produit.

IT L'apparecchio deve essere installato e mantenuto da un elettricista qualificato seguendo le normative nazionali di riferimento. L'apparecchio non contiene parti sostituibili. In caso di rottura sarà sostituito esclusivamente dal produttore o da un rivenditore autorizzato. Conservate il manuale di installazione per eventuali utilizzi successivi. Il produttore non è responsabile per l'utilizzo ed il montaggio non corretto di tale apparecchio.

ES La luminaria debe de ser instalada y mantenida por un electricista cualificado, siguiendo las regulaciones nacionales de cada país. La luminaria contiene partes no reemplazables. En el caso de que la luminaria sea dañada, deberá ser reemplazada exclusivamente por el fabricante o distribuidor autorizado. Guarde el manual para usos posteriores. El fabricante no es responsable por el uso e instalación incorrecta de este producto.

 This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environmental human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

This lamp may not be suitable for use in all applications where a traditional fluorescent lamp has been used. The temperature range of this lamp is more restricted. In cases of doubt regarding the suitability of the application the manufacturer of this lamp should be consulted. This lamp is designed for general lighting service (excluding explosive atmospheres).

EN

- Lamp suitable for high frequency operation.
- Lamp not suitable for emergency operation.
- Lamp to be used in dry conditions or in a luminaire that provides protection.
- Dimming not allowed.

DE

- Lampe geeignet für Hochfrequenzbetrieb.
- Lampe nicht zur Notbeleuchtung geeignet.
- Lampe muss unter trockenen Bedingungen oder in einer Leuchte verwendet werden die ausreichenden Schutz bietet.
- Nicht mit dimmern verwenden.

IT

- Lampada adatta al funzionamento ad alta frequenza.
- Lampada non adatta al funzionamento di emergenza.
- Lampada da utilizzare in condizioni asciutte o in un apparecchio che fornisce protezione.
- Regolazione del flusso non consentita.

SWEDISH

- Lampa lämplig för högfrekvent drift.
- Lampan är inte lämplig för nöddrift.
- Lampa för användning i torra förhållanden eller i en armatur som ger skydd.
- Dimning ej tillåten.

NL

- Lamp geschikt voor hoogfrequent gebruik.
- Lamp niet geschikt voor noodverlichting.
- Lamp dient gebruikt te worden in droge omstandigheden of in een armatuur die bescherming biedt.
- Niet gebruiken met dimmers.

FR

- Lampe adaptée au fonctionnement à haute fréquence.
- Lampe ne convenant pas à un fonctionnement de secours.
- Lampe à utiliser dans des conditions sèches ou dans un luminaire offrant une protection.
- Ne pas utiliser avec des variateurs.

ES

- Lámpara adecuada para funcionamiento en alta frecuencia.
- Lámpara no adecuada para el funcionamiento de emergencia.
- Lámpara para uso en condiciones secas o en una luminaria que brinde protección.
- No se permite regulación.

- No modifications of the luminaire which the LED lamp is to be used with are to be made.
- This lamp is designed for general lighting service (excluding for example explosive atmospheres).
- This lamp may not be suitable for use in all applications where a traditional fluorescent lamp has been used. The temperature range of this lamp is more restricted. In cases of doubt regarding the suitability of the application the manufacturer of this lamp should be consulted.

Compatible Electronic Ballast List-16W

Brand	Model No.	Lamps on ballast	AC (50/60Hz) on HF
			Ballast Compatible
PHILIPS	HF-R 114-35 TL-5 EII	1	Yes
PHILIPS	HF-R 214-35 TL5 E11	2	Yes
OSRAM	QTP5 1X14-35	1	Yes
OSRAM	QT-FIT5 1X14-35	1	Yes
OSRAM	QT-FIT5 2X14-35	2	Yes
OSRAM	QTP5 2*14-35	2	Yes
TRIDONIC	PC 1X14-35 T5 PRO Ip	1	Yes
TRIDONIC	PC 2x14-35 T5 PRO Ip	2	Yes

Compatible Electronic Ballast List-19W

Brand	Model No.	Lamps on ballast	AC (50/60Hz) on HF
			Ballast Compatible
PHILIPS	HF-R 114-35 TL-5 EII	1	Yes
PHILIPS	HF-R 214-35 TL5 E11	2	Yes
PHILIPS	HF-S 235 TL5 II	2	Yes
OSRAM	QT-FIT5 1X14-35	1	Yes
OSRAM	QT-FIT5 2X14-35	2	Yes
OSRAM	QTP5 2*14-35	2	Yes
TRIDONIC	PC 2x14-35 T5 PRO Ip	2	Yes

Compatible Electronic Ballast List-26W

Brand	Model No.	Lamps on ballast	AC (50/60Hz) on HF
			Ballast Compatible
PHILIPS	HF-S 149 TL5 II	1	Yes
PHILIPS	HF-S 249 TL5 II	2	Yes
OSRAM	QT-FIT5 1X49	1	Yes
OSRAM	QTP5 1X49	1	Yes
OSRAM	QTP5 2X49	2	Yes
OSRAM	QT-FIT5 2X49	2	Yes
TRIDONIC	PC 1X49 T5 TOP Ip	1	Yes
TRIDONIC	PC 1/49 T5 INDUSTRY	1	Yes
TRIDONIC	PC 2X49 T5 TOP Ip	2	Yes
TRIDONIC	PC 2X49 T5 PRO Ip	2	Yes
BAG	BCS49.1FX-11/220-240V	1	Yes
BAG	BCS49.2FX-11/220-240V	2	Yes
Helvar	EL1X49ngn5	1	Yes