



Generasi baru dari pencahayaan tabung hemat energi

MASTER LEDtube EM/Mains

Philips MASTER LEDtube mengintegrasikan sumber cahaya LED ke dalam form factor neon biasa. Desainnya yang unik menciptakan tampilan visual yang seragam secara sempurna yang tidak dapat dibandingkan dengan lampu neon biasa. Bagi mereka yang ingin memperoleh produk bermanfaat dengan anggaran terbatas dan upaya penggantian lampu yang rendah untuk efek cahaya dan masa pakai yang lebih baik.

Benefits

- Mengurangi biaya operasional karena konsumsi energi yang lebih rendah
- Biaya pemeliharaan yang lebih rendah karena masa pakai 2-3 kali lebih lama dibandingkan tabung neon biasa
- Cara tercepat dan termudah untuk meningkatkan luminer yang ada ke teknologi LED, 100% proses pemasangan yang aman

Features

- Konsumsi energi hanya 50% dibandingkan dengan tabung neon
- Masa pakai ekstra-panjang 40.000 jam
- Retrofit untuk lampu T8 yang ada pada pemasangan ballast EM
- Fitur keselamatan lengkap dan perangkat keselamatan EM Protector
- Tanpa merkuri

Application

- Area parkir/tempat parkir tertutup
- Gudang/ruang pendingin/tanda
- Area transportasi dan distribusi
- Makanan & Museum

MASTER LEDtube EM/Mains

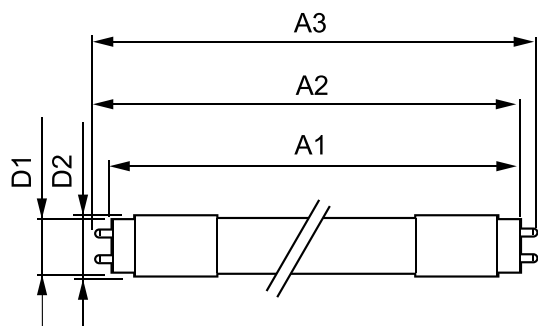
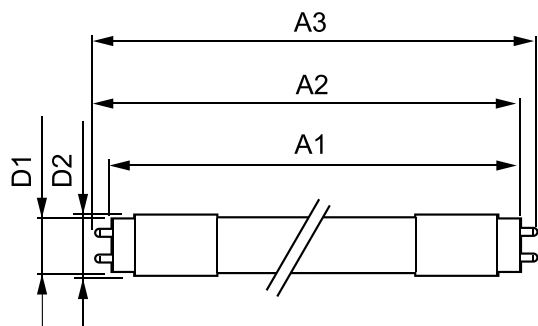
Warnings and Safety

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Versions



Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTER LEDtube 600mm HO 8W840 T8	25,78 mm	28 mm	588,5 mm	595,5 mm	602,5 mm
MASTER LEDtube 1200mm UO 16W 840 T8	25,78 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1200mm UO 15.5W 865 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1200mm UO 15.5W 840 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
Master LEDTube 1200 mm 18W 865 T8 I W	25,6 mm	27,8 mm	1198,1 mm	1205,2 mm	1212,3 mm
MASTER LEDtube 1200mm UO 15.5W 830 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube STD 1200mm 10.5W840 T8 I	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube STD 1200mm 10.5W865 T8 I	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
Master LEDTube 600 mm 10W 840 T8 I W	25,6 mm	27,8 mm	588,6 mm	595,7 mm	602,8 mm
MASTER LEDtube 1200mm UO 16W 830 T8	25,78 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
Master LEDTube 600 mm 10W 865 T8 I W	25,6 mm	27,8 mm	588,6 mm	595,7 mm	602,8 mm
Master LEDTube 1200 mm 18W 840 T8 I W	25,6 mm	27,8 mm	1198,1 mm	1205,2 mm	1212,3 mm

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm HO 18.2W 830 T8	25,8 mm	28 mm	1498,8 mm	1505,9 mm	1513 mm
MASTER LEDtube 1500mm HO 18.2W 840 T8	25,8 mm	28 mm	1498,8 mm	1505,9 mm	1513 mm
MASTER LEDtube 1500mm HO 18.2W 865 T8	25,8 mm	28 mm	1498,8 mm	1505,9 mm	1513 mm
MASTER LEDtube 1200mm HO 14W840 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1200mm HO 14W865 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1200mm HO 14W830 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm

MASTER LEDtube EM/Mains

Dimensional drawing



Product	D1	D2	C1
MASTER LEDtube Starter EMP	3 mm	21,5 mm	34,5 mm

Pengoperasian dan Kelistrikan	
Frekuensi Input	50 hingga 60 Hz

Pengoperasian dan Kelistrikan

Order Code	Full Product Name	Tegangan (Nom)	Daya (Terukur) (Nom)	Waktu Mulai (Nom)
929000299902	MASTER LEDtube Starter EMP	-	-	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	100-240 V	18 W	0,5 s
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	100-240 V	18 W	0,5 s
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	220-240 V	10.5 W	0,5 s
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	220-240 V	10.5 W	0,5 s
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	100-240 V	10 W	0,5 s
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	100-240 V	10 W	0,5 s
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	220-240 V	16 W	0,5 s
929001297902	MASTER LEDtube 1200mm UO 16W 840 T8	220-240 V	16 W	0,5 s
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	220-240 V	15.5 W	0,5 s
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	220-240 V	15.5 W	0,5 s

Order Code	Full Product Name	Tegangan (Nom)	Daya (Terukur) (Nom)	Waktu Mulai (Nom)
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	220-240 V	15.5 W	0,5 s
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	220-240 V	14 W	0,5 s
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	220-240 V	14 W	0,5 s
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	220-240 V	14 W	0,5 s
929001307102	MASTER LEDtube 600mm HO 8W840 T8	220-240 V	8 W	0,5 s
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	220-240 V	18.2 W	0,5 s
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	220-240 V	18.2 W	0,5 s
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	220-240 V	18.2 W	0,5 s

Informasi Umum

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Tutup-Dasar	Nominal Masa Pakai (Nom)	Siklus Sakelar
929000299902	MASTER LEDtube Starter EMP	-	-	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	G13	40000 h	50000X
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	G13	40000 h	50000X
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	G13	50000 h	200000X
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	G13	50000 h	200000X
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	G13	40000 h	50000X
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	G13	25000 h	50000X
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	G13	50000 h	200000X
929001297902	MASTER LEDtube 1200mm UO 16W 840 T8	G13	50000 h	200000X
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	G13	60000 h	200000X

Penyetujuan dan Aplikasi

Order Code	Full Product Name	Penggunaan Energi kWh/1000 h	Label Efisiensi Energi (EEL)
929000299902	MASTER LEDtube Starter EMP	-	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	18 kWh	A+
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	18 kWh	A+
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	11 kWh	A++
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	11 kWh	A++
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	10 kWh	A+
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	10 kWh	A+
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	16 kWh	A++
929001297902	MASTER LEDtube 1200mm UO 16W 840 T8	16 kWh	A++
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	16 kWh	A++

Kontrol dan Peredupan

Order Code	Full Product Name	Tutup-Dasar	Nominal Masa Pakai (Nom)	Siklus Sakelar
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	G13	60000 h	200000X
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	G13	60000 h	200000X
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	G13	50000 h	200000X
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	G13	50000 h	200000X
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	G13	50000 h	200000X
929001307102	MASTER LEDtube 600mm HO 8W840 T8	G13	60000 h	200000X
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	G13	60000 h	200000X
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	G13	60000 h	200000X
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	G13	60000 h	200000X

Order Code	Full Product Name	Penggunaan Energi kWh/1000 h	Label Efisiensi Energi (EEL)
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	16 kWh	A++
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	16 kWh	A++
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	14 kWh	A++
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	14 kWh	A++
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	14 kWh	A++
929001307102	MASTER LEDtube 600mm HO 8W840 T8	8 kWh	A++
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	19 kWh	A++
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	19 kWh	A++
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	19 kWh	A++

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Dapat diredupkan
929000299902	MASTER LEDtube Starter EMP	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	TIDAK
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	TIDAK
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	salah
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	salah
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	TIDAK
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	TIDAK
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	salah
929001297902	MASTER LEDtube 1200mm UO 16W 840 T8	salah
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	salah

Order Code	Full Product Name	Dapat diredupkan
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	salah
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	salah
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	salah
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	salah
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	salah
929001307102	MASTER LEDtube 600mm HO 8W840 T8	salah
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	salah
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	salah
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	salah

Teknis Lampu

Order Code	Full Product Name	Sudut Cahaya (Nom)	Kode Warna	Suhu Warna Terkorelasi (Nom)	Indeks	Limf Di Akhir Masa	
					Renderasi Warna (Nom)	Pakai Nominal (Nom)	Fluks Cahaya (Nom)
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	160 °	840	4000 K	82	70 %	2100 lm
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	160 °	865	6500 K	82	70 %	2100 lm
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	-	840	4000 K	83	70 %	1600 lm
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	-	865	6500 K	83	70 %	1600 lm
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	160 °	840	4000 K	82	70 %	1050 lm
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	160 °	865	6500 K	82	70 %	1050 lm
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	160 °	830	3000 K	83	70 %	2300 lm
929001297902	MASTER LEDtube 1200mm UO 16W 840 T8	160 °	840	4000 K	83	70 %	2500 lm
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	160 °	830	3000 K	83	70 %	2300 lm
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	-	830	3000 K	83	70 %	2000 lm
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	-	840	4000 K	83	70 %	2100 lm
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	-	865	6500 K	83	70 %	2100 lm
929001307102	MASTER LEDtube 600mm HO 8W840 T8	160 °	840	4000 K	83	70 %	1050 lm
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	160 °	830	3000 K	83	70 %	2900 lm
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	160 °	840	4000 K	83	70 %	3100 lm
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	160 °	865	6500 K	83	70 %	3100 lm

Mekanis dan Housing

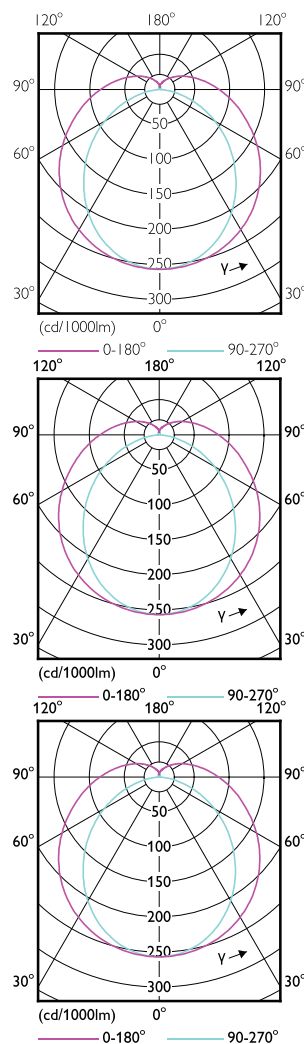
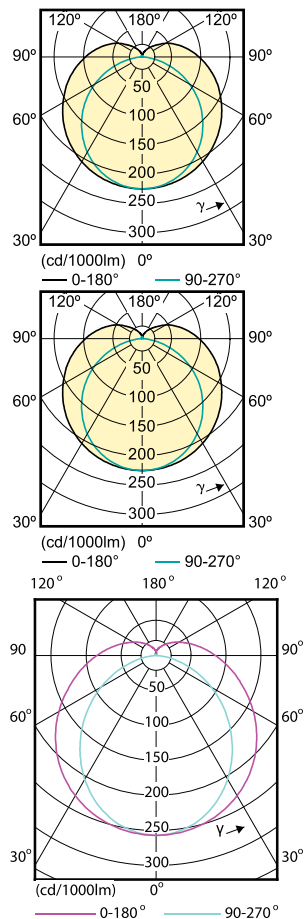
Order Code	Full Product Name	Lapisan Bohlam
929000299902	MASTER LEDtube Starter EMP	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	-
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	-
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	-
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	-
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	-
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	-
929001297902	MASTER LEDtube 1200mm UO 16W 840 T8	-
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	-

Order Code	Full Product Name	Lapisan Bohlam
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	-
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	-
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	-
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	-
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	-
929001307102	MASTER LEDtube 600mm HO 8W840 T8	Buram
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	-
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	-
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	-

Suhu

MASTER LEDtube EM/Mains

Order Code	Full Product Name	T-Ambien (Maks)	T-Ambien (Min)	T-Case Maksimum (Nom)	T-Penyimpanan (Maks)	T-Penyimpanan (Min)
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001297902	MASTER LEDtube 1200mm UO 16W 840 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001307102	MASTER LEDtube 600mm HO 8W840 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C



MASTER LEDtube EM/Mains

