



# De nieuwe generatie energiebesparende buisverlichting

## MASTER LEDtube (EM/MAINS)

De Philips MASTER LEDtube integreert een LED-lichtbron in de vorm van een traditionele lineaire fluorescentielamp die geschikt is voor armaturen met electromagnetische voorschakelapparatuur. Zijn unieke ontwerp creëert een perfect uniforme visuele verschijning die niet onderscheiden kan worden van een traditionele fluorescentielamp. De MASTER LEDtube is de ideale oplossing voor klanten die hogere verlichtingseisen stellen en de waarde over de levensduur willen maximaliseren (en dus de langste levensduur nodig hebben). De lampen bieden uitgebreide energiebesparingen en verlagen de totale eigendomskosten. De effectieve lichtopbrengst is afhankelijk van het gehele lichtstelsel; o.a. het gebruikte armatuur.

### Voordelen

- Lagere bedrijfskosten dankzij lager energieverbruik
- Lagere onderhoudskosten dankzij de 2-3 maal langere levensduur dan normale fluorescentiebuislampen
- De snelste en gemakkelijkste manier om een bestaande armatuur op te waarderen naar LED-technologie; 100% veilig installatieproces

## MASTER LEDtube (EM/MAINS)

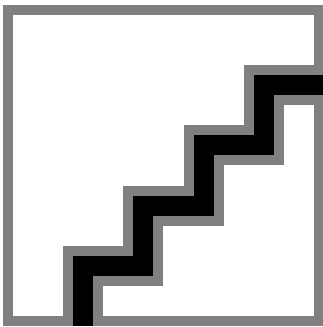
### Kenmerken

- Halvering van energieverbruik vergeleken met fluorescentiebuislampen (effectieve lichtopbrengst kan wel verschillen)
- Extra lange levensduur van 50.000 uur
- Een zeer hoge efficacy tot 148 Lm/W (bij 1500mm UO LEDtubes)
- Renovatievanger voor bestaande T8-lampen in installaties met elektromagnetische VSA's
- Een bundelbreedte van 160°
- Roterende eindkappen die een optimale retrofit installatie garanderen
- Volledige veiligheidseigenschappen en veiligheidsapparaat voor elektromagnetische bescherming
- Geen kwik

### Toepassing

- Parkeerterreinen en -garages
- Magazijnen / koelhuizen / lichtreclame
- Transport- en distributierreinen

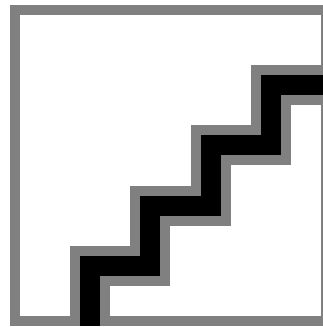
### Versions



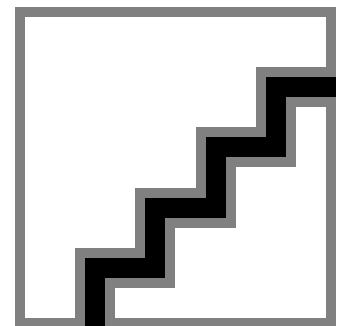
G13



G13



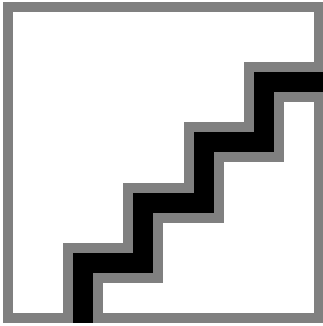
G13



G13

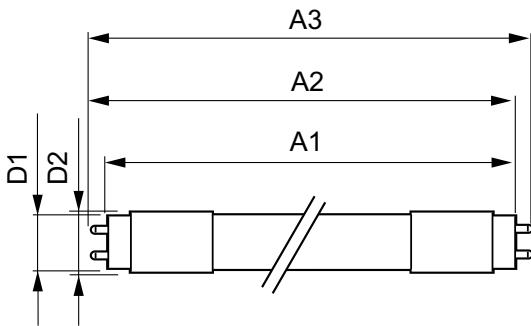
# MASTER LEDtube (EM/MAINS)

## Versions



G13

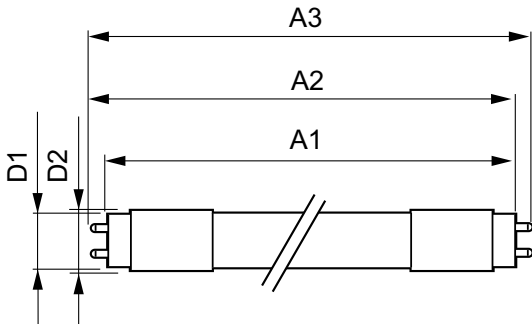
## Maatschets



Product	D1	D2	A1	A2	A3
MASTER LEDtube 900mm 8.5W833 T8 FOOD	25,7 mm	28 mm	893,3 mm	900,4 mm	907,5 mm
MASTER LEDtube 1200mm 12W833 T8 FOOD	25,7 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1500mm 20W833 T8 FOOD	25,7 mm	28 mm	1500 mm	1507,1 mm	1514,2 mm
MASTER LEDtube 1500mm UE 21.5W 840 T8	25,8 mm	28 mm	1498,8 mm	1505,9 mm	1513 mm
MASTER LEDtube 1200mm UE 14.5W 865 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1500mm UE 21.5W 865 T8	25,8 mm	28 mm	1498,8 mm	1505,9 mm	1513 mm
MASTER LEDtube 1200mm UE 14.5W 840 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
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	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1200mm HO 12.5W 830 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1200mm HO 12.5W 840 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm
MASTER LEDtube 1200mm HO 12.5W 865 T8	25,8 mm	28 mm	1198,2 mm	1205,3 mm	1212,4 mm

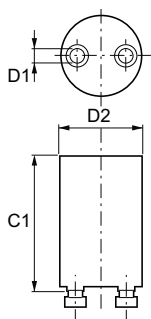
# MASTER LEDtube (EM/MAINS)

## Maatschets



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 900mm HO 12W 840 T8	25,78 mm	28 mm	893,3 mm	900,4 mm	907,5 mm
MASTER LEDtube 1500mm UO 23W 840 T8	25,8 mm	28 mm	1498,7 mm	1505,8 mm	1512,9 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 1500mm UO 23W 830 T8	25,8 mm	28 mm	1498,7 mm	1505,8 mm	1512,9 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 1500mm UO 23W 865 T8	25,8 mm	28 mm	1498,7 mm	1505,8 mm	1512,9 mm
MASTER LEDtube Sensor 1500mm HO 24W865 T8	25,8 mm	28 mm	1500 mm	1507,1 mm	1514,2 mm
MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	25,8 mm	28 mm	1199,4 mm	1206,5 mm	1213,6 mm
MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	25,8 mm	28 mm	1199,4 mm	1206,5 mm	1213,6 mm
MASTER LEDtube Sensor 1500mm HO 24W840 T8	25,8 mm	28 mm	1500 mm	1507,1 mm	1514,2 mm
MASTER LEDtube 900mm HO 12W 865 T8	25,78 mm	28 mm	893,3 mm	900,4 mm	907,5 mm
MASTER LEDtube 600mm HO 8W830 T8	25,78 mm	28 mm	588,5 mm	595,5 mm	602,5 mm
MASTER LEDtube 600mm HO 8W865 T8	25,78 mm	28 mm	588,5 mm	595,5 mm	602,5 mm
MASTER LEDtube 1500mm UO 24W 830 T8	25,78 mm	28 mm	1498,7 mm	1505,8 mm	1512,9 mm

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



# MASTER LEDtube (EM/MAINS)

## Goedkeuring en Toepassing

Order Code	Full Product Name	Energieverbruik kWh/ 1000 uur	Energy Efficiency Label (EEL)
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	24 kWh	A++
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	16 kWh	A++
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	16 kWh	A++
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	16 kWh	A++
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	23 kWh	A++
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	23 kWh	A++
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	23 kWh	A++
68708600	MASTER LEDtube 900mm HO 12W 840 T8	12 kWh	A++
68710900	MASTER LEDtube 900mm HO 12W 865 T8	12 kWh	A++
69747400	MASTER LEDtube 600mm HO 8W830 T8	8 kWh	A++
69749800	MASTER LEDtube 600mm HO 8W840 T8	8 kWh	A++
69751100	MASTER LEDtube 600mm HO 8W865 T8	8 kWh	A++
76393300	MASTER LEDtube 1200mm 12W833 T8 FOOD	12 kWh	A+
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	15 kWh	A++
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	15 kWh	A++

Order Code	Full Product Name	Energieverbruik kWh/ 1000 uur	Energy Efficiency Label (EEL)
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	22 kWh	A++
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	22 kWh	A++
81965400	MASTER LEDtube Starter EMP GenII OP	-	-
76391900	MASTER LEDtube 900mm 8.5W833 T8 FOOD	9 kWh	A+
76395700	MASTER LEDtube 1500mm 20W833 T8 FOOD	20 kWh	A+
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	17 kWh	A++
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	17 kWh	A++
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	24 kWh	A++
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	24 kWh	A++
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	13 kWh	A++
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	13 kWh	A++
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	13 kWh	A++
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	19 kWh	A++
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	19 kWh	A++
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	19 kWh	A++

## Regelsystemen en Dimmers

Order Code	Full Product Name	Dimbaar
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	Nee
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	Nee
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	Nee
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	Nee
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	Nee
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	Nee
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	Nee
68708600	MASTER LEDtube 900mm HO 12W 840 T8	Nee
68710900	MASTER LEDtube 900mm HO 12W 865 T8	Nee
69747400	MASTER LEDtube 600mm HO 8W830 T8	Nee
69749800	MASTER LEDtube 600mm HO 8W840 T8	Nee
69751100	MASTER LEDtube 600mm HO 8W865 T8	Nee
76393300	MASTER LEDtube 1200mm 12W833 T8 FOOD	Nee

Order Code	Full Product Name	Dimbaar
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	Nee
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	Nee
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	Nee
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	Nee
81965400	MASTER LEDtube Starter EMP GenII OP	-
76391900	MASTER LEDtube 900mm 8.5W833 T8 FOOD	Nee
76395700	MASTER LEDtube 1500mm 20W833 T8 FOOD	Nee
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	Ja
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	Ja
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	Ja
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	Ja
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	Nee
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	Nee

## MASTER LEDtube (EM/MAINS)

Order Code	Full Product Name	Dimbaar
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	Nee
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	Nee

Order Code	Full Product Name	Dimbaar
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	Nee
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	Nee

### Bedrijfs- en Elektrische gegevens

Order Code	Full Product Name	Ingangsfrequentie (nom.)	Spanning (nom.)	Power (Rated) (Nom)	Opstarttijd (nom.)
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	50 tot 60 Hz	220-240 V	24 W	0,5 s
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	50 tot 60 Hz	220-240 V	15.5 W	0,5 s
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	50 tot 60 Hz	220-240 V	15.5 W	0,5 s
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	50 tot 60 Hz	220-240 V	15.5 W	0,5 s
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	50 tot 60 Hz	220-240 V	23 W	0,5 s
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	50 tot 60 Hz	220-240 V	23 W	0,5 s
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	50 tot 60 Hz	220-240 V	23 W	0,5 s
68708600	MASTER LEDtube 900mm HO 12W 840 T8	50 tot 60 Hz	220-240 V	12 W	0,5 s
68710900	MASTER LEDtube 900mm HO 12W 865 T8	50 tot 60 Hz	220-240 V	12 W	0,5 s
69747400	MASTER LEDtube 600mm HO 8W830 T8	50 tot 60 Hz	220-240 V	8 W	0,5 s
69749800	MASTER LEDtube 600mm HO 8W840 T8	50 tot 60 Hz	220-240 V	8 W	0,5 s

Order Code	Full Product Name	Ingangsfrequentie (nom.)	Spanning (nom.)	Power (Rated) (Nom)	Opstarttijd (nom.)
69751100	MASTER LEDtube 600mm HO 8W865 T8	50 tot 60 Hz	220-240 V	8 W	0,5 s
76393300	MASTER LEDtube 1200mm 12W833 T8 FOOD	50 tot 60 Hz	220-240 V	12 W	0,5 s
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	50 tot 60 Hz	220-240 V	14.5 W	0,5 s
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	50 tot 60 Hz	220-240 V	14.5 W	0,5 s
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	50 tot 60 Hz	220-240 V	21.5 W	0,5 s
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	50 tot 60 Hz	220-240 V	21.5 W	0,5 s
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-
76391900	MASTER LEDtube 900mm 8.5W833 T8 FOOD	50 tot 60 Hz	220-240 V	8.5 W	0,5 s
76395700	MASTER LEDtube 1500mm 20W833 T8 FOOD	50 tot 60 Hz	220-240 V	20 W	0,5 s
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	50 tot 60 Hz	220-240 V	16.5 W	0,5 s
80604300	MASTER LEDtube Sensor	50 tot 60 Hz	220-240 V	16.5 W	0,5 s

## MASTER LEDtube (EM/MAINS)

Order Code	Full Product Name	Spanning (nom.)	Power (Rated) (Nom)	Opstarttijd (nom.)
	1200mm HO 16.5W865 T8			
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	50 tot 60 Hz	220-240 V 24 W	0,5 s
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	50 tot 60 Hz	220-240 V 24 W	0,5 s
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	50 tot 60 Hz	220-240 V 12.5 W	0,5 s
59237000	MASTER LEDtube	50 tot 60 Hz	220-240 V 12.5 W	0,5 s

Order Code	Full Product Name	Spanning (nom.)	Power (Rated) (Nom)	Opstarttijd (nom.)
	1200mm HO 12.5W 840 T8			
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	50 tot 60 Hz	220-240 V 12.5 W	0,5 s
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	50 tot 60 Hz	220-240 V 18.2 W	0,5 s
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	50 tot 60 Hz	220-240 V 18.2 W	0,5 s
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	50 tot 60 Hz	220-240 V 18.2 W	0,5 s

### Algemene informatie

Order Code	Full Product Name	Lampvoet	Nominal Lifetime (Nom)	Gespecificeerde levensduur (uur)	Schakelcyclus
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	G13	50000 h	50000 h	200.000X
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	G13	60000 h	60000 h	200.000X
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	G13	60000 h	60000 h	200.000X
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	G13	60000 h	60000 h	200.000X
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	G13	60000 h	60000 h	200.000X
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	G13	60000 h	60000 h	200.000X
64731500	MASTER LEDtube	G13	60000 h	60000 h	200.000X

Order Code	Full Product Name	Lampvoet	Nominal Lifetime (Nom)	Gespecificeerde levensduur (uur)	Schakelcyclus
	1500mm UO 23W 865 T8				
68708600	MASTER LEDtube 900mm HO 12W 840 T8	G13	50000 h	50000 h	200.000X
68710900	MASTER LEDtube 900mm HO 12W 865 T8	G13	50000 h	50000 h	200.000X
69747400	MASTER LEDtube 600mm HO 8W830 T8	G13	50000 h	50000 h	200.000X
69749800	MASTER LEDtube 600mm HO 8W840 T8	G13	50000 h	50000 h	200.000X
69751100	MASTER LEDtube 600mm HO 8W865 T8	G13	50000 h	50000 h	200.000X
76393300	MASTER LEDtube 1200mm	G13	50000 h	50000 h	50.000X

## MASTER LEDtube (EM/MAINS)

Order Code	Full Product Name	Lampvoet	Nominal		
			Lifetime (Nom)	Gespecificeerde levensduur (uur)	Schakelcyclus
	12W833 T8 FOOD				
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	G13	70000 h	70000 h	200.000X
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	G13	70000 h	70000 h	200.000X
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	G13	70000 h	70000 h	200.000X
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	G13	70000 h	70000 h	200.000X
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-
76391900	MASTER LEDtube 900mm 8.5W833 T8 FOOD	G13	50000 h	50000 h	50.000X
76395700	MASTER LEDtube 1500mm 20W833 T8 FOOD	G13	50000 h	50000 h	50.000X
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	G13	50000 h	50000 h	200.000X
80604300	MASTER LEDtube Sensor	G13	50000 h	50000 h	200.000X

Order Code	Full Product Name	Lampvoet	Nominal		
			Lifetime (Nom)	Gespecificeerde levensduur (uur)	Schakelcyclus
	1200mm HO 16.5W865 T8				
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	G13	50000 h	50000 h	200.000X
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	G13	50000 h	50000 h	200.000X
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	G13	60000 h	60000 h	200.000X
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	G13	60000 h	60000 h	200.000X
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	G13	60000 h	60000 h	200.000X
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	G13	60000 h	60000 h	200.000X
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	G13	60000 h	60000 h	200.000X
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	G13	60000 h	60000 h	200.000X

### Eisen aan armatuurontwerp (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		Color Rendering Index (Nom)	Llmf bij einde nominale levensduur (nom.)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
			Kleurcode	Temperature (Nom)				
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	160 °	830	3000 K	83	70 %	3400 lm	3400 lm
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	160 °	830	3000 K	83	70 %	2300 lm	2300 lm
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm



## MASTER LEDtube (EM/MAINS)

Order Code	Full Product Name	Beam Angle	Kleurcode	Correlated Color	Color	Llmf bij einde	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
		(Nom)		Temperature (Nom)	Rendering Index (Nom)	nominale levensduur (nom.)		
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	160 °	830	3000 K	83	70 %	3400 lm	3400 lm
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
68708600	MASTER LEDtube 900mm HO 12W 840 T8	160 °	840	4000 K	83	70 %	1575 lm	1575 lm
68710900	MASTER LEDtube 900mm HO 12W 865 T8	160 °	865	6500 K	83	70 %	1575 lm	1575 lm
69747400	MASTER LEDtube 600mm HO 8W830 T8	160 °	830	3000 K	83	70 %	1000 lm	1000 lm
69749800	MASTER LEDtube 600mm HO 8W840 T8	160 °	840	4000 K	83	70 %	1050 lm	1050 lm
69751100	MASTER LEDtube 600mm HO 8W865 T8	160 °	865	6500 K	83	70 %	1050 lm	1050 lm
76393300	MASTER LEDtube 1200mm 12W833 T8 FOOD	-	833	3300 K	83	70 %	1000 lm	1000 lm
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-	-	-
76391900	MASTER LEDtube 900mm 8.5W833 T8 FOOD	-	833	3300 K	83	70 %	750 lm	750 lm
76395700	MASTER LEDtube 1500mm 20W833 T8 FOOD	-	833	3300 K	83	70 %	1680 lm	1680 lm
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	240 °	840	4000 K	83	70 %	2100 lm	2100 lm
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	240 °	865	6500 K	83	70 %	2100 lm	2100 lm
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	240 °	840	4000 K	83	70 %	3100 lm	3100 lm
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	240 °	865	6500 K	83	70 %	3100 lm	3100 lm
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	160 °	830	3000 K	83	70 %	2000 lm	2000 lm
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	160 °	840	4000 K	83	70 %	2100 lm	2100 lm
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	160 °	865	6500 K	83	70 %	2100 lm	2100 lm
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	160 °	830	3000 K	83	70 %	2900 lm	2900 lm

## MASTER LEDtube (EM/MAINS)

Order Code	Full Product Name	Beam Angle	Correlated Color		Color	Llmf bij einde		Luminous Flux (Rated) (Nom)
		(Nom)	Kleurcode	Temperature (Nom)	Rendering Index (Nom)	nominale levensduur (nom.)	Luminous Flux (Nom)	
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	160 °	840	4000 K	83	70 %	3100 lm	3100 lm
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	160 °	865	6500 K	83	70 %	3100 lm	3100 lm

### Eisen aan armatuurontwerp (2/2)

Order Code	Full Product Name	Gespecificeerde bundelbreedte	Order Code	Full Product Name	Gespecificeerde bundelbreedte
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	160 °	81965400	MASTER LEDtube Starter EMP GenII OP	-
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	160 °	76391900	MASTER LEDtube 900mm 8.5W833 T8 FOOD	-
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	160 °	76395700	MASTER LEDtube 1500mm 20W833 T8 FOOD	-
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	160 °	80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	240 °
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	160 °	80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	240 °
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	160 °	80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	240 °
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	160 °	80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	240 °
68708600	MASTER LEDtube 900mm HO 12W 840 T8	160 °	59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	160 °
68710900	MASTER LEDtube 900mm HO 12W 865 T8	160 °	59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	160 °
69747400	MASTER LEDtube 600mm HO 8W830 T8	160 °	59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	160 °
69749800	MASTER LEDtube 600mm HO 8W840 T8	160 °	59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	160 °
69751100	MASTER LEDtube 600mm HO 8W865 T8	160 °	59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	160 °
76393300	MASTER LEDtube 1200mm 12W833 T8 FOOD	-	59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	160 °
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	160 °			
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	160 °			
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	160 °			
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	160 °			

### Temperatuur

Order Code	Full Product Name	T-omgeving (max.)	T-omgeving (min.)	T-Case Maximum (Nom)	T-opslag (max.)	T-opslag (min.)
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
68708600	MASTER LEDtube 900mm HO 12W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
68710900	MASTER LEDtube 900mm HO 12W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
69747400	MASTER LEDtube 600mm HO 8W830 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
69749800	MASTER LEDtube 600mm HO 8W840 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
69751100	MASTER LEDtube 600mm HO 8W865 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
76393300	MASTER LEDtube 1200mm 12W833 T8 FOOD	45 °C	-20 °C	45 °C	65 °C	-40 °C
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-
76391900	MASTER LEDtube 900mm 8.5W833 T8 FOOD	45 °C	-20 °C	45 °C	65 °C	-40 °C

# MASTER LEDtube (EM/MAINS)

Order Code	Full Product Name	T-omgeving (max.)	T-omgeving (min.)	T-Case Maximum (Nom)	T-opslag (max.)	T-opslag (min.)
76395700	MASTER LEDtube 1500mm 20W833 T8 FOOD	45 °C	-20 °C	50 °C	65 °C	-40 °C
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C

