



Project: Metro of Budapest, Hungary
Product: Mainlux 18W /22W /24W /30W LED tube light
Installation time: April/2013

LED tube light

Features

- ☆ system efficacy up to 115–120lm/W
- ☆ extended system service lifetime up to 40,000hrs (L80/B50) at ambient temperature 35°C
- ☆ outstanding colour rendering performance (Ra = 80 / 85/90 / 95), stable colour constancy
- ☆ daylight sensor (on / delayed off) can be separately activated or deactivated
- ☆ energy efficiency with electronic ballasts and compact fluorescent lamps
- ☆ according to IEC 60598, IEC 61000–3–2:2005 standard
- ☆ frosted / transparent / stripe cover available
- ☆ one-end / two-end powered optional, fixed/rotatable end cap available
- ☆ housing of finish color : aluminum grey RAL9007

Benefits

- ☆ for a variety of uses in dry and damp ancillary and special areas
- ☆ up to 65% energy consumption saved compared with fluorescent lamps
- ☆ lower maintenance cost, maintenance factor 0.8
- ☆ Uniform and diffused light, creating a pleasant atmosphere

Application



School



Library



Medical



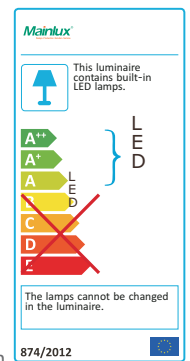
Hotel



Office



Conference room



Specification

Item number	Photo	Power (W)	Luminous flux (lm)	Efficacy (lm/W)	CRI (Ra)	CCT(K)	Beam angle (°)	Lifespan (L80/hrs)
MXTU-01-16W-2G11		16	1840	115	>80	4000	150	40000
MXTU-01-20W-2G11		20	2300	115	>80	4000	150	40000
MXTU-T8-600-10W-SENSOR		10	1200	120	>80	4000	150	40000
MXTU-T8-1200-18W-SENSOR		18	2160	120	>80	4000	150	40000
MXTU-T8-1500-24W-SENSOR		24	2880	120	>80	4000	150	40000
MXTU-T8-600-10W-MICRO		10	1200	120	>80	4000	150	40000
MXTU-T8-1200-18W-MICRO		18	2160	120	>80	4000	150	40000
MXTU-T8-1500-24W-MICRO		24	2880	120	>80	4000	150	40000
MXTU-T8-600-10W		10	1200	120	>80	4000	150	40000
MXTU-T8-600-12W		12	1416	118	>80	4000	150	40000
MXTU-T8-600-16W		16	1920	120	>80	4000	150	40000
MXTU-T8-1200-18W		18	2160	120	>80	4000	150	40000
MXTU-T8-1200-22W		22	2596	118	>80	4000	150	40000
MXTU-T8-1500-24W		24	2880	120	>80	4000	150	40000
MXTU-T8-1500-30W		30	3540	118	>80	4000	150	40000
MXTU-T8-600-8W		8	920	115	>80	4000	270	40000
MXTU-T8-1200-16W		16	1840	115	>80	4000	270	40000

MXTU-T5-300-4W-IND		4	460	115	>80	4000	150	40000
MXTU-T5-300-4W-EXD		4	460	115	>80	4000	150	40000
MXTU-T5-600-8W-IND		8	920	115	>80	4000	150	40000
MXTU-T5-600-8W-EXD		8	920	115	>80	4000	150	40000
MXTU-T5-900-12W-IND		12	1380	115	>80	4000	150	40000
MXTU-T5-900-12W-EXD		12	1380	115	>80	4000	150	40000
MXTU-T5-1200-16W-IND		16	1840	115	>80	4000	150	40000
MXTU-T5-1200-16W-EXD		16	1840	115	>80	4000	150	40000
MXTU-T5-1500-20W-IND		20	2300	115	>80	4000	150	40000

The data above based on tube frosted cover with light transmittance 91%,the lumen for transparent cover will be 5%–8% higher different Ra(80/85/90/95),CCT(2500–6500K) and lumen required need to contact sales representative separately
 emergency kit /dimming kit required, need to contact sales representative separately
 based on the same CRI, the lumen between 4000–6500K is the same, 2500–3500K will be around 5%–8% lumen lower
 Transparent/frosted tube cover need to be confirmed before an order
 the specified luminous flux value corresponds to the gross luminous flux of LED@ 25 °C, this is only a minimum flux and not a maximum.
 Mainlux may ship products in flux higher than above specified by the item number without advance notice
 with a tolerance of ±7% on flux and power, ±0.005 on chromaticity (CCx, CCy) and ±2 on CRI

Ip65 tube holder

Item name	Item number	photo	Data	Product weight/dimension	packing
IP65 T8 1X600mm LED tube holder	MXTU-600A		665*85*100mm,IP65, 4pcs 304 stainless steel clip(no rust within four years)	Net weight 0.80kg Product dimension L665xW85xH100mm	12pcs/ctn G.W 11.40kg ctn dimension L680xW280xH270mm
IP65 T8 2X600mm LED tube holder	MXTU-600B		665*128*100mm,IP65, 4pcs 304 stainless steel clip(no rust within four years)	Net weight 1.05kg Product dimension L665xW128xH100mm	10pcs/ctn G.W 13.00kg ctn dimension L680xW280x330mm
IP65 T8 1X1200mm LED tube holder	MXTU-1200A		1262*85*100mm,IP65, 8pcs 304 stainless steel clip(no rust within four years)	Net weight 1.40kg Product dimension L1262xW85xH100mm	8pcs/ctn G.W 13.50kg ctn dimension L1280xW275 xH200mm
IP65 T8 2X1200mm LED tube holder	MXTU-1200B		1262*128*100mm,IP65,8pcs 304 stainless steel clip(no rust within four years)	Net weight 1.92kg Product dimension L1262xW128xH100mm	6pcs/ctn G.W 14.20kg ctn dimension L1280xW275 xH200mm
IP65 T8 1X1500mm LED tube holder	MXTU-1500A		1566*85*100mm,IP65, 10pcs 304 stainless steel clip(no rust within four years)	Net weight 1.75kg Product dimension L1566xW85xH100mm	8pcs/ctn G.W 16.84kg ctn dimension:L1590xW190xH270mm
IP65 T8 2X1500mm LED tube holder	MXTU-1500B		1566*128*100mm,IP65,10pcs 304 stainless steel clip(no rust within four years)	Net weight 2.42kg Product dimension L1566xW128xH100mm	6pcs/ctn G.W 17.48kg ctn dimension:L1590xW190xH270mm

Technical datasheet	
LED	SMD2835 LED 30-32 lumen /0.2W LED LM80 passed Heat resistance under 5°C
Colour consistency (SDCM)	3
Beam angle (°)	150/270
UGR	< 15
Integrated driver (Yes /No)	Yes
Surge voltage resistance	4KV(10KV available)
Power factor	> 0.9
Dimmable	Yes (dali / 0-10V/ infra-red / microwave/ triac)
Sensor	sensor range to 8m; delay period settable steplessly up to 12min
Operation temperature	– 25 ~ +40 °C 10-90% RH
Application temperature	25°C 10-90% RH
Storage environment	– 30 ~ +50 °C
On / off cycles (times)	50,000

Approval	
Impact resistance rating (IK)	05
Protection rating (IP)	40
Glow wire test	650 °C
Insulation class	II
Certification	CE, RoHS

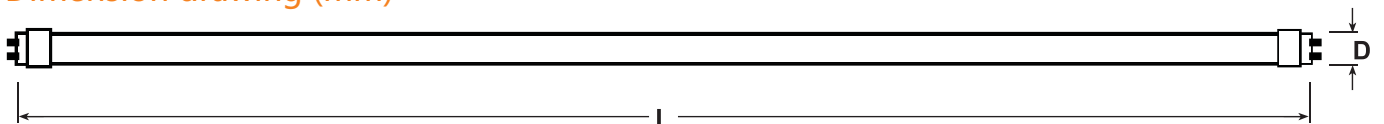
Mechanical properties	
Housing material	6063 new aluminium, thermal index 1.2 thickness 16mm cover with light transmittance 85%-97%, application temp. -60_+160°C, Yellow index 3%,UV protection
Optical material	PMMA
Colour of finish for housing	housing finish color (aluminum grey RAL9006) PC cover (traffic white RAL9016)
Cable	3x0.5mm VDE/UL certified rubber cooper wire

Electrical connection	
System nominal voltage (V)AC100-240 AC100-277 (American only)	
Frequency (Hz)	50/60
THD	<15%

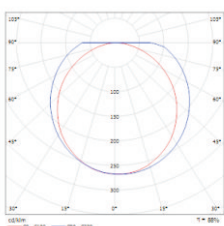
Product & packaging information

Item number	Item dimension (DxL) (mm)	Net weight (kg)	Packging information		
			pcs / carton	carton dimension (LxWxHmm)	gross weight (kg)
MXTU-01-16W-2G11	L434.5	0.20	20	660x220x230	4.70
MXTU-01-20W-2G11	L534.5	0.26	20	660x220x230	5.90
MXTU-T8-600-10W-SENSOR	φ 26x588	0.16	25	660x220x230	4.70
MXTU-T8-1200-18W-SENSOR	φ 26x1198	0.28	25	1260x220x230	8.30
MXTU-T8-1500-24W-SENSOR	φ 26x1498	0.34	25	1560x220x230	9.90
MXTU-T8-600-10W-MICRO	φ 26x588	0.16	25	660x220x230	4.70
MXTU-T8-1200-18W-MICRO	φ 26x1198	0.28	25	1260x220x230	8.30
MXTU-T8-1500-24W-MICRO	φ 26x1498	0.34	25	1560x220x230	9.90
MXTU-T8-600-10W	φ 26x588	0.14	25	660x220x230	4.20
MXTU-T8-600-12W	φ 26x588	0.14	25	660x220x230	4.20
MXTU-T8-600-16W	φ 26x898	0.19	25	960x220x230	5.95
MXTU-T8-1200-18W	φ 26x1198	0.26	25	1260x220x230	7.80
MXTU-T8-1200-22W	φ 26x1198	0.26	25	1260x220x230	7.80
MXTU-T8-1500-24W	φ 26x1498	0.32	25	1560x220x230	9.40
MXTU-T8-1500-30W	φ 26x1498	0.32	25	1560x220x230	9.40
MXTU-T8-600-8W	φ 26x588	0.11	25	660x220x230	3.45
MXTU-T8-1200-16W	φ 26x1198	0.20	25	1260x220x230	6.10
MXTU-T5-300-4W-IND	φ 16x309	0.07	50	660x220x230	4.20
MXTU-T5-300-4W-EXD	φ 16x288	0.12	100	660x220x230	13.20
MXTU-T5-600-8W-IND	φ 16x570	0.12	25	660x220x230	3.70
MXTU-T5-600-8W-EXD	φ 16x548	0.19	50	660x220x230	10.20
MXTU-T5-900-12W-IND	φ 16x870	0.17	25	60x220x230	5.45
MXTU-T5-900-12W-EXD	φ 16x848	0.20	50	60x220x230	11.20
MXTU-T5-1200-16W-IND	φ 16x1170	0.24	25	1260x220x230	7.30
MXTU-T5-1200-16W-EXD	φ 16x1148	0.35	50	1260x220x230	18.80
MXTU-T5-1500-20W-IND	φ 16x1470	0.30	25	1560x220x230	8.90

Dimension drawing (mm)



Photometric data



Installation & maintenance warning

- ☆ Please strictly according the usage manual to ensure the security of product performance.
- ☆ Please make sure power-off during the process of installation and maintenance !
- ☆ Do not change or modify any parts of product without contact engineer from manufacturer.
- ☆ Please connect the lamp to an effective grounding system to make sure the safety.
- ☆ In order to avoid any danger, the cable or suspension wire must be removed and installed by manufacturer, technical service center or qualified worker.
- ☆ Dispose the lamp specially when the product is not longer use.
- ☆ Please use soft cloth with soap or neutral detergent to clean lamp. Please do not use alcohol or paint thinner !
- ☆ We keep the right to inform you if any change of product.