

## LED flood light

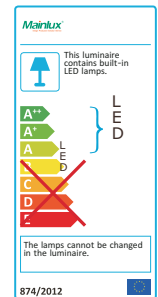
### Features

- ☆ system efficacy up to 115lm/W
- ☆ extended system service lifetime up to 50,000hrs (L80/B50)
- ☆ outstanding colour rendering performance (Ra 75 / 80 / 85 / 90) available
- ☆ glare protection, light control with lens
- ☆ instant full light on, and instant restart with 100% full luminous flux
- ☆ optional with 0–10V dimming, dali dimming and sensor dimming
- ☆ with integrated & programmable timer for luminous flux reduction
- ☆ settable luminous flux for max lux operation & min lux operation
- ☆ DIN13021 design standard
- ☆ housing of finish color: silver grey RAL7001 or light grey RAL7035 or jet black 9005

### Benefits

- ☆ designed for using in both food (IFS standard) and non-food area, meet variable demands for indoor & outdoor environment
- ☆ up to 80% energy consumption saved compared with metal halide light, with photocell or sensor for saving more energy
- ☆ lower operation & maintenance cost, maintenance factor 0.8
- ☆ dedicated optics design can help to reduce the fixture quantities, flexible and easy installation

### Application



### Specification

Item number	Photo	Power (W)	Luminous flux (lm)	Light source	Efficacy (lm/W)	CRI (Ra)	CCT (K)	Beam angle (°)	Driver	Lifespan (L80/hrs)
MXFL-09-100W		100	11500	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXFL-09-150W		150	17250	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXFL-09-200W		200	23000	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXFL-09-250W		250	28750	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXFL-09-300W		300	34500	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXFL-09-350W		350	40250	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXFL-09-400W		400	46000	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXTL-05-30W		30	3450	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXTL-05-40W		40	4600	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXTL-05-50W		50	5750	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXTL-05-80W		80	9200	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXTL-05-100W		100	11500	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXTL-05-150W		150	17250	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000

MXTL-05-200W		200	23000	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXTL-05-300W		300	34500	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000
MXTL-05-400W		400	46000	cree	115	>75	5000	45°/60°/90°/150X60°	meanwell	>50000

housing of finish color (silver grey RAL7001 or light grey RAL7035 or jet black RAL 9005 ) need to be confirmed before an order  
 beam angle (45°/60°/90°/150X60°) need to be confirmed before an order  
 different Ra(75/80/85/90),CCT(2500–6500K) and lumen required need to contact sales representative separately  
 based on the same CRI, the lumen between 4000–6500K is the same, the lumen from 2500–3500K will be 5%–8% lower  
 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

Technical datasheet	
LED	cree xte S2/S3 LED
Beam angle (°)	45° /60° /90° / 150x60°
Colour consistency (SDCM)	4
URG	<22
Integrated driver (Yes /No)	Yes
Surge protection	4KV(10KV available)
Power factor	>0.95
Dimmable	Yes ( Dali / 0-10V )
Operation temperature	− 30~ +50°C 10-90% RH
Application temperature	25°C 10-90% RH
Storage environment	− 35 ~ +55°C
On / off cycles (times)	50,000

Approval	
Impact resistance rating (IK)	08
Protection rating (IP)	65
Glow wire test	650°C
Insulation class	I
Certification	CE, RoHS compliant

Electrical connection		
System nominal voltage (V)	AC90-305	(127-431) (American only)
Frequency (Hz)	50/60	
THD	<15%	

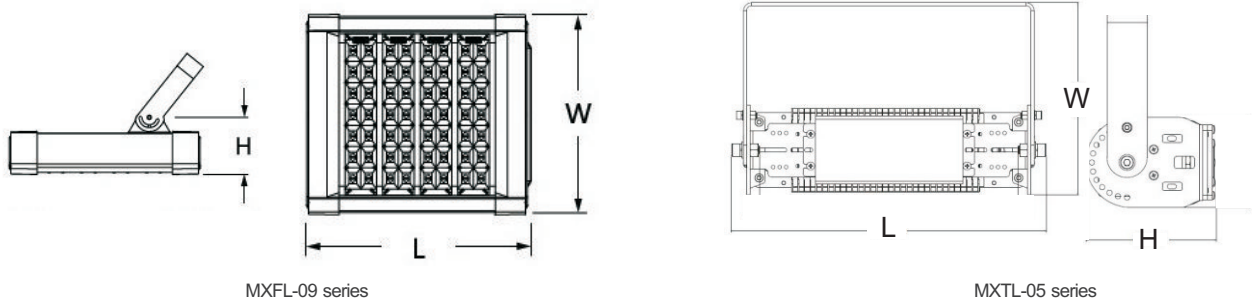
Mechanical properties	
Housing material	pure aluminum
Optical material	PMMA
Colour of finish for housing	silver grey RAL7001 light grey RAL7035 /jet black RAL 9005
Cable	3(5) x0.75mm

### Product & packaging information

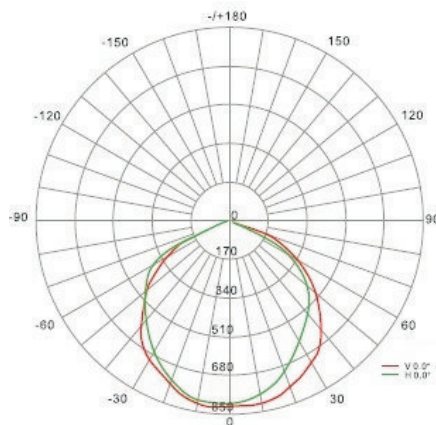
Item number	Item dimension (LxWxHmm)	Net weight (kg)	Packaging information		
			pcs / carton	carton dimension (LxWxHmm)	gross weight (kg)
MXFL-09-100W	320x350x95	6.70	1	345x375x160	7.80
MXFL-09-150W	402x350x95	7.95	1	425x375x160	9.25
MXFL-09-200W	484x350x95	10.05	1	515x375x160	11.55
MXFL-09-250W	566x350x95	11.50	1	595x375x160	13.20
MXFL-09-300W	648x350x95	12.97	1	675x375x160	14.97
MXFL-09-350W	730x350x95	14.50	1	755x375x160	16.50
MXFL-09-400W	812x350x95	16.90	2	835x375x160	18.50

MXTL-05-30W	315x193x130	2.30	2	320x210x215	4.90
MXTL-05-40W	315x193x130	2.50	2	320x210x215	5.20
MXTL-05-50W	315x193x130	2.60	1	320x210x215	5.50
MXTL-05-80W	315x238x130	3.95	1	340x250x160	4.50
MXTL-05-100W	315x238x130	4.10	1	340x250x160	5.00
MXTL-05-150W	315x283x130	5.00	1	340x300x160	5.60
MXTL-05-200W	315x373x130	6.10	1	380x340x160	6.70
MXTL-05-300W	599x283x130	8.50	1	630x320x160	9.60
MXTL-05-400W	599x360x130	10.60	1	635x430x180	12.10

### 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.