ACI Macro Optoelectronic Co., Limited

Add: Hans Industrial Park, Chongqing Road, Fuyong, Bao'an District, Shenzhen City, Guangdong Provice, China Tel: +86-755-36936875, Fax: +86-755-23207323, Email: info@macroLEDlight.com

10W LED Flood Light

Model: <u>MFL-115-10W-B</u>

Main Technical Paramete	ers:	
Input Voltage	AC 85-265V	
Frequency Range	50-60Hz	
Total Harmonic Distortion	≤9%	1
Power Factor	>0.98	
Working Voltage	DC 30-36V	
LED Qty	1 PC	
LED Consumption	10W	
System Consumption	11.8W	
Lamp Efficiency	>91%	
	Warm white: 855LM	
LED Initial Flux	Pure White: 953LM	
	Cool White: 930LM	
	Height=1M: >70 LUX	
Average IIIluminance	Height=2M: >19.2 LUX	
-	Height=3M: >9.8 LUX	
	Height=1M: 3.3*3.3M	- 114.
Illuminance Area	Height=2M: 6.5*6.5M	
26	Height=3M: 9.8*9.8M	-
Illuminance Uniformity	>0.7	-
	Warm White: 2700-3900K	
Color Temperature	Pure White: 3900-6000K	
	Cool White: 6000-7000K	
	Warm White: >78Ra	
Color Index	Pure White& Cool white: >85Ra	
Light Distribution	Symmetrical/Rectangle	
Light Design	LED + lens second light distribution	
Junction Temperature	≤60°C	-/+180
Work Enviroment	-40°C-+55°C	-150
Storage Enviroment	$-25^{\circ}\text{C} -+65^{\circ}\text{C} (25^{\circ}\text{C} \text{ is the best})$	-120
Ingress Pretection	IP65	
Life-Span	>50000 hours	-90
The Color of the Lamp Shell	Grey, Black	HEAD
Certification	CE, RoHS	-50
		XX T
Net/Gross Weight	0.60KG / 0.62KG	VAT

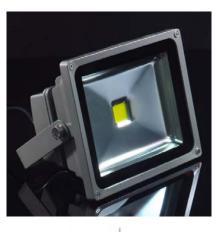
ACCI Macro Optoelectronic Co., Limited

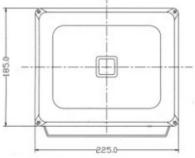
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30W LED Flood Light

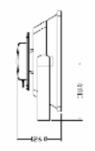
Model: <u>MFL-225-30W</u>-B

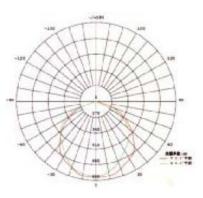
AC 85-265V Input Voltage Frequency Range 50-60Hz Total Harmonic Distortion <9% **Power Factor** >0.98 Working Voltage DC 30-36V 1 PC LED Qty LED Consumption 30W System Consumption 35W Lamp Efficiency >90% Warm white: 2559LM LED Initial Flux 2860LM Pure White: Cool White: 2790LM Height=6M:>15 LUX Height=8M: >9 LUX Average Illuminance Height=10M: >7 LUX Illuminance Area Height=6M: 18*10M rectangle 24*13M rectangle Height=8M: Height=10M: 32*17M rectangle Illuminance Uniformity >0.6 Warm White: 2700-3900K **Color** Temperature Pure White: 3900-6000K Cool White 6000-7000K Warm White: >78Ra Color Index Pure White& Cool white: >85Ra **Light Distribution** Symmetrical/Rectangle Light Design LED + lens second light distribution Junction Temperature ≤70°C Work Enviroment -40°C-+55°C $-25^{\circ}\text{C} - +65^{\circ}\text{C} (25^{\circ}\text{C} \text{ is the best})$ Storage Environment **Ingress Pretection** IP65 >50000 hours Life-Span The Color of the Lamp Shell Grey, Black Certification CE, RoHS Net / Gross Weight 2.4KG / 2.6KG 27.5*16.5*23.5CM Package Size











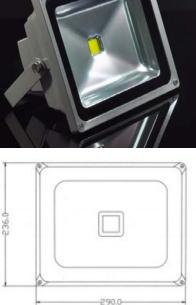
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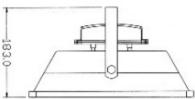
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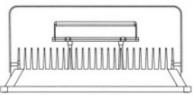
50W LED Flood Light

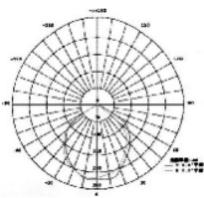
Model: MFL-290-50W-B

	51 5.	
Input Voltage	AC 85-265V	
Frequency Range	50-60Hz	
Total Harmonic Distortion	<u>≤9%</u>	
Power Factor	>0.98	
Working Voltage	DC 30-36V	at l
LED Qty	1 PC	
LED Consumption	50W	
System Consumption	56W	
Lamp Efficiency	>90%	
	Warm white: 4255LM	
LED Initial Flux	Pure White: 4750LM	
	Cool White: 4650LM	236.0
	Height=6M: >23LUX	
Average Illuminance	Height=8M: >13 LUX	
	Height=10M: >10 LUX	-
	Height=6M: 23*12M rectangle	
Illuminance Area	Height=8M: 31*17M rectangle	
C I	Height=10M: 36*19M rectangle	
Illuminance Uniformity	>0.6	-183.0
	Warm White: 2700-3900K	3.0
Color Temperature	Pure White: 3900-6000K	
1.	Cool White: 6000-7000K	
Color Index	Warm White: >78Ra	
	Pure White& Cool white: >85Ra	
Light Distribution	Symmetrical/Rectangle	Luum
Light Design	LED + lens second light distribution	Puuuuuu
Junction Temperature	≤70°C	4
Work Enviroment	-40°C-+55°C	
Storage Enviroment	-25°C + 65°C (25 $^{\circ}\text{C}$ is the best)	× C
Ingress Pretection	IP65	
Life-Span	>50000 hours	149
The Color of the Lamp Shell	Grey, Black	
Certifications	CE, RoHS	Ett
Net / Gross Weight	4.2KG / 4.5KG	- XX
Package Size(4 PCS)	65.5*35.0*28.0CM	*









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Main Technical Parameters:

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LED Flood Light

Model: <u>MFL-360-80W-B</u>

Main Technical Parame		
Input Voltage	AC 85-265V	3
Frequency Range	50-60Hz	i and i a
Total Harmonic Distortion	<u>≤9%</u>	
Power Factor	>0.98	
Working Voltage	DC 30-36V	
LED	1 PC	
LED Consumption	80W	
System Consumption	88W	
Lamp Efficiency	>90%	
	Warm white: 6820LM	
LED Initial Flux	Pure White: 7610LM	
	Cool White: 7440LM	
	Height=4M: >108LUX	
Average Illuminance	Height=6M: >48LUX	
	Height=8M: >27 LUX	
<u> </u>	Height=4M: 7*7M rectangle	
Illuminance Area	Height=6M: 11*11M rectangle	
	Height=8M: 14*14M rectangle	
Illuminance Uniformity	>0.6	
	Warm White: 2700-3900K	
Color Temperature	Pure White: 3900-6000K	
	Cool White: 6000-7000K	
Color Index	Warm White: >78Ra	
	Pure White& Cool white: >85Ra	
Light Distribution	Symmetrical/Rectangle	
Light Design	LED + lens second light distribution	10
Junction Temperature	≤70°C	-/#385
Work Enviroment	-40°C-+55℃	XII-IIX
Storage Enviroment	$-25^{\circ}\text{C} - +65^{\circ}\text{C} (25^{\circ}\text{C} \text{ is the best})$	an Although the Although
Ingress Pretection	IP65	
Life-Span	>50000 hours	
The Color of the Lamp Shell	Grey, Black	
Certification	CE, RoHS	
Net / Gross Weight	6.0KG / 6.5KG	
Package Size(2 PCS)	44.0*30.0*33.0CM	NINT'S

Macro Optoelectronic Co., Limited

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100W LED Flood Light / LED Tunnel Light

Model: <u>MFL-600-100W-B</u>

Input voltage		AC 85-265V		Picture
Frequency		50-60Hz		
Total harmonic di	stortion	≤9%		
Power factor		>0.98		
Voltage for the LI	ED	DC 30-36V		
LED Qty		2 PCS		
Total power of the	e LED	100W	2	
Total power for th	e light	112W	~	
LED light effect		90-100LM/W		
		Warm white	8505LM	Size and Parameters
Initial lumens		Pure white	9310LM	
		Cool white	9510LM	
Light effeciency		Above 90%		593.00
		Height:6M	36LUX	
Average illuminar	nce	Height:8M	22.5LUX	
		Height:10M	15LUX	
		Height:6M	11*11M	
	0	5	rectangle	
Light spot		Height:8M	15*15M	
	G		rectangle	
	0	Height:10M	18*18M	
	~		rectangle	4
Evenness degree	0	>0.6		in in
Related color	WW	2700K-3900I		"
temperature	PW	3900K-6000I		
	CW	6000K-7000I	K	
Color rendering	WW	Ra>78		and the second se
index	PW, CW	Ra>85		
Light distribution	curve	5	expression /	4115.00
		rectangle ligh	-	T. M
Light design			tor secondary	
light distribution		tion	i i i i i i i i i i i i i i i i i i i	
Warming node of the LED		≤70°C		
Operation temperature -		-30℃-+55℃		8 III A
Storage temperatu	ire	-25℃-+65℃		

Grade of prote	ection	IP65	Light Distribution Curve
Life-span of th	ne LED	>50000 hours	-/+180
Connecting	Brown	L live line	
wire for the	Blue	N neutral line	-120
driver	Yellow / Green	G earth line	
The color of the	ne lamp shell	Grey or Black	-90
Certifications		CE, RoHS	
Item NW. / GV	N.	12.6KG / 13.8KG	-60 2100 60 2100 2100 2100 2000 2000 2000 2000 200
Package size	(1 PC)	66*35.5*25.5CM	-30 3500 30 - 10.0°##

Using Directions :

Please handle with care when storing up or carrying because of the glass fittings. Strain stress should be avoided.

- 1. Fix the light on the pole or the mounting surface by screwing the holes(¢10mm) of the installing support.
- 2. After the LED flood light is fastened, the screws 1A and 1B can be loosen, then change the angle of the installing support so that the installation angle of the light can be adjusted.
- 3. Keep the LED flood light in the suitable operation and storage temperature.
- 4. The LED flood light must be fully closed when being fixed to avoid electricity interface between the wires.
- 5. The corresponding measures could be taken for waterproof and to avoid leak when the external power supply is used.
- 6. All correlative laws should be observed in use.

7. LED flood lights should be fixed by the professional electrician, with the three-core (0.75MM^2) mode of connection: red wire(live line), blue wire(neutral) and the earth wire.

Maintenance Instruction :

- 1. Please make sure the power has already been cut off before maintenance.
- 2. Clean the glass of the LED flood light regularly to keep the good transmission of the light.
- 3. Clean the cover of the LED flood light regularly to ensure good heat dissipation.
- 4. Water and caustic liquor should be avoided when cleaning. The dried rag will be the ideal option.
- 5. When changing the power supply, you could open the rear cover by screw and then get out the power supply. AC power is for the three-core wire: red wire correspond with "L", blue wire correspond with "N", yellow-green or yellow wire correspond with "G" of the power.

DC power: the red wire correspond with anode of the power, the white wire correspond with the cathode of the power. In addition, the anode and the cathode must not be connected inversely.

Guarantee and After-sale service :

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140W LED Flood Light / LED Tunnel Light

Model: MFL-600-140W-B

Input voltage AC 85-265V **Picture** 50-60Hz Frequency Total harmonic distortion <<u>9%</u> Power factor >0.98Voltage for the LED DC 30-36V 2 PCS LED Qty Total power of the LED 140W Total power for the light 156W LED light effect 90-100LM/W Warm white 11900LM **Size and Parameters** Initial lumens Pure white 13020LM Cool white 13300LM 593.00 Light effeciency Above 90% 569.00 55LUX Height:6M Average illuminance Height:8M 32LUX Height:10M 23LUX Height:6M 11*11M rectangle Light spot Height:8M 15*15M rectangle Height:10M 18*18M rectangle Evenness degree > 0.6Related color WW 2700K-3900K temperature PW 3900K-6000K CW 6000K-7000K Color rendering WW Ra > 78PW, CW index Ra>85 Symmetric expression Light distribution curve rectangle light spot Light design LED + reflector secondary light distribution Warming node of the LED ≤70°C -30°C-+55°C Operation temperature Storage temperature -25°C-+65

Grade of protect	tion	IP65	Light Distribution Curve
Life-span of the	LED	>50000 hours	-/+180
Connecting	Brown	L live line	AHHAA
wire for the	Blue	N neutral line	-120
driver	Yellow / Green	G earth line	
The color of the	lamp shell	Grey or Black	-80
Certifications		CE, RoHS	700
Item NW. / GW.		12.6KG / 13.8KG	-60 2200 60 53848 rol
Package size (1	PC)	66*35.5*25.5CM	-30 3300 30

Using Directions :

Please handle with care when storing up or carrying because of the glass fittings. Strain stress should be avoided.

- 1. Fix the light on the pole or the mounting surface by screwing the holes(¢10mm) of the installing support.
- 2. After the LED flood light is fastened, the screws 1A and 1B can be loosen, then change the angle of the installing support so that the installation angle of the light can be adjusted.
- 3. Keep the LED flood light in the suitable operation and storage temperature.
- 4. The LED flood light must be fully closed when being fixed to avoid electricity interface between the wires.
- 5. The corresponding measures could be taken for waterproof and to avoid leak when the external power supply is used.
- 6. All correlative laws should be observed in use.

7. LED flood lights should be fixed by the professional electrician, with the three-core (0.75MM^2) mode of connection: red wire(live line), blue wire(neutral) and the earth wire.

Maintenance Instruction :

- 1. Please make sure the power has already been cut off before maintenance.
- 2. Clean the glass of the LED flood light regularly to keep the good transmission of the light.
- 3. Clean the cover of the LED flood light regularly to ensure good heat dissipation.
- 4. Water and caustic liquor should be avoided when cleaning. The dried rag will be the ideal option.
- 5. When changing the power supply, you could open the rear cover by screw and then get out the power supply. AC power is for the three-core wire: red wire correspond with "L", blue wire correspond with "N", yellow-green or yellow wire correspond with "G" of the power.

DC power: the red wire correspond with anode of the power, the white wire correspond with the cathode of the power. In addition, the anode and the cathode must not be connected inversely.

Guarantee and After-sale service :

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160W LED Flood Light / LED Tunnel Light

Model: <u>MFL-600-160W-B</u>

Input voltage		AC 85-265V		Picture
Frequency		50-60Hz		
Total harmonic di	stortion	≤9%		
Power factor		>0.98		The second se
Voltage for the LH	ED	DC 30-36V		
LED Qty		2 PCS		
Total power of the	e LED	160W	0	
Total power for th	e light	176W	C	
LED light effect		90-100LM/W		
		Warm white	13610LM	Size and Parameters
Initial lumens		Pure white	14720LM	
		Cool white	15040LM	E00 40
Light effeciency		Above 90%	,	593.00
		Height:6M	62LUX	
Average illuminar	nce	Height:8M	36LUX	
		Height:10M	26LUX	
		Height:6M	11*11M	
			rectangle	4
Light spot		Height:8M	15*15M	
			rectangle	
		Height:10M	18*18M	and to lar
			rectangle	The of the second secon
Evenness degree	5	>0.6		A CONTRACTOR OF
Related color	WW	2700K-3900H		"
temperature	PW	3900K-6000H		
	CW	6000K-7000H	K	
Color rendering	WW	Ra>78		A A A A A A A A A A A A A A A A A A A
index	PW, CW	Ra>85		-
Light distribution	curve	Symmetric		1115.00
		rectangle ligh	-	The of
Light design			tor secondary	
	4 1 5 5	light distribut	10n	i i i i i i i i i i i i i i i i i i i
Warming node of the LED		≤70°C		
Operation tempera	ature	-30°C-+55°C		ŏ j
Storage temperatu	ire	-25℃-+65℃		

Grade of prot	ection	IP65	Light Distribution Curve
Life-span of t	he LED	>50000 hours	-150 -150
Connecting	Brown	L live line	XXXXXXX
wire for the	Blue	N neutral line	-120
driver	Yellow / Green	G earth line	
The color of t	he lamp shell	Grey or Black	-10 50
Certifications		CE, RoHS	
Item NW. / G	W.	12.6KG / 13.8KG	-60 2200 60 2000 2000 - ¥0.0*9% - ×0.0*9%
Package size	(1 PC)	66*35.5*25.5CM	-30 33600 30

Using Directions :

Please handle with care when storing up or carrying because of the glass fittings. Strain stress should be avoided.

- 1. Fix the light on the pole or the mounting surface by screwing the holes(¢10mm) of the installing support.
- 2. After the LED flood light is fastened, the screws 1A and 1B can be loosen, then change the angle of the installing support so that the installation angle of the light can be adjusted.
- 3. Keep the LED flood light in the suitable operation and storage temperature.
- 4. The LED flood light must be fully closed when being fixed to avoid electricity interface between the wires.
- 5. The corresponding measures could be taken for waterproof and to avoid leak when the external power supply is used.
- 6. All correlative laws should be observed in use.

7. LED flood lights should be fixed by the professional electrician, with the three-core (0.75MM^2) mode of connection: red wire(live line), blue wire(neutral) and the earth wire.

Maintenance Instruction :

- 1. Please make sure the power has already been cut off before maintenance.
- 2. Clean the glass of the LED flood light regularly to keep the good transmission of the light.
- 3. Clean the cover of the LED flood light regularly to ensure good heat dissipation.
- 4. Water and caustic liquor should be avoided when cleaning. The dried rag will be the ideal option.
- 5. When changing the power supply, you could open the rear cover by screw and then get out the power supply. AC power is for the three-core wire: red wire correspond with "L", blue wire correspond with "N", yellow-green or yellow wire correspond with "G" of the power.

DC power: the red wire correspond with anode of the power, the white wire correspond with the cathode of the power. In addition, the anode and the cathode must not be connected inversely.

Guarantee and After-sale service :

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200W LED Flood Light / LED Tunnel Light

Model: <u>MFL-920-200W-B</u>

Input voltage		AC 85-265V		Picture
Frequency		50-60Hz		
Total harmonic disto	ortion	≤9%		
Power factor		>0.98		
Voltage for the LED)	DC 30-36V		
LED Qty		4 PCS		
Total power of the L	ED	200W		
Total power for the	light	215W		
LED light effect		90-100LM/W		
		Warm white	18560LM	Size and Parameters
Initial lumens		Pure white	18920LM	
		Cool white	19110LM	
Light efficiency		Above	1	000.00
		Height:8M	207LUX	930.00
Average luminance	G	Height:10M	155LUX	
	6	Height:12M	106LUX	
		Height:8M	11*11M	
			rectangle	
Light spot	N ¹	Height:10M	14*14M	
	5		rectangle	-
		Height:12M	18*18M	
			rectangle	
Evenness degree		>0.6		07-18/
Related color	WW	2700K-3900K		
temperature	PW	3900K-6000K		2/8/
~	CW	6000K-7000K		
Color rendering	WW	Ra>78		
index	PW, CW	Ra>85		
Light distribution curve		Similar the batwing / rectangle light spot		
Light design		LED + reflector secondary		
		light distribution		
Warming node of the LED		≤75°C		
Operation temperatu	Operation temperature-30°C-+55°C			
Storage temperature	;	-25℃-+65℃		

Grade of protect	tion	IP65	Light Distribution Curve
Life-span of the	LED	>50000 hours	-130
Connecting	Brown	L live line	
wire for the	Blue	N neutral line	
driver	Yellow / Green	G earth line	
The color of the	lamp shell	Grey or Black	90 100 100
Certifications		CE, RoHS	
Item NW. / GW.		18.1KG / 21.8KG	-10 -10 -10 -10 -10 -10 -10 -10 -10 -10
Package size (1	PC)	101.5*25.5*33.5CM	240

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Using Directions :

Please handle with care when storing up or carrying because of the glass fittings. Strain stress should be avoided.

- 1. Fix the light on the pole or the mounting surface by screwing the holes(¢10mm) of the installing support.
- 2. After the LED flood light is fastened, the screws 1A and 1B can be loosen, then change the angle of the installing support so that the installation angle of the light can be adjusted.
- 3. Keep the LED flood light in the suitable operation and storage temperature.
- 4. The LED flood light must be fully closed when being fixed to avoid electricity interface between the wires.
- 5. The corresponding measures could be taken for waterproof and to avoid leak when the external power supply is used.
- 6. All correlative laws should be observed in use.

7. LED flood lights should be fixed by the professional electrician, with the three-core $(0.75MM^2)$ mode of connection: red wire(live line), blue wire(neutral) and the earth wire.

Maintenance Instruction :

- 1. Please make sure the power has already been cut off before maintenance.
- 2. Clean the glass of the LED flood light regularly to keep the good transmission of the light.
- 3. Clean the cover of the LED flood light regularly to ensure good heat dissipation.
- 4. Water and caustic liquor should be avoided when cleaning. The dried rag will be the ideal option.
- 5. When changing the power supply, you could open the rear cover by screw and then get out the power supply. AC power is for the three-core wire: red wire correspond with "L", blue wire correspond with "N", yellow-green or yellow wire correspond with "G" of the power.

DC power: the red wire correspond with anode of the power, the white wire correspond with the cathode of the power. In addition, the anode and the cathode must not be connected inversely.

Guarantee and After-sale service :