



MBL-GCS53 LED specifications



Electrical Information									
Power Consumption	20W	30W	40W	60W	75W	100W	120W	150W	180W
Input Voltage	100-240 VAC/220-240 VAC , 50 / 60 Hz								
Power Factor	>0.94								
Insulation Type	Class I or Class II								
Driver Type	Constant Current (CC)								
Control	Dimmable, photocell, DALI, ZHAGA, microwave sensor, PIR sensor								
Note	NA								

Optic Information	
LED Type	LED 3030
Efficacy (4000K RA70)	160LM/W (16-in-1 PC lens+Glass cover)
	165LM/W (Integrated PC lens with no glass)
Correlated Color Temperature	4000K (3000K, 5000K optional)
Color Rendering Index	Ra70 (Ra80 optional)
Beam Angle	(16-in-1 PC lens+Glass cover) R01601,R01602,R01603,R01604,R01605,R01606,R01607,R01609,R01610,R01611,R01613 (Integrated PC lens with no glass) R09401,R09402,R09404,R19001,R19002,R19004,R31801,R31802,R31804
UGR level	N/A

Description

MBL-GCS53 LED street lamp has a smooth and slender design shape, which is more in line with the road design style, professional optic provides an excellent effect, managing glare while providing high levels of visibility.

Key Features

- Easy installation.
- High output lumen efficiency up to 165lm/W
- The housing is made of 100% aluminum alloy (ADC12)
- AKZO powder coating
- Easy maintenance.
- ±15° adjustable.

Dimensions and Mount

Product Dimension	580x236x128mm	681x236x128mm	750x280x128mm
Luminaire Net Weight	3.5±0.3kg	4.5±0.3kg	6±0.3kg
Export Carton Size	636x338x167mm	737x338x167mm	810x367x167mm
Gross Weight	5.3±0.3kg	6.4±0.3kg	7.9±0.3kg
Mounting Option	Post top mounting		
	Side entry mounting		
Material	Aluminum alloy		
	Tempered glass+polycarbonate optical lens / Integrated PC lens with no glass cover		
Finish	Akzo powder coating		
Fixture Color	Silvery grey(RAL9006)		
EPA	0.12m ²	0.15m ²	0.2m ²
IK Rating	IK09 (16-in-1 PC lens+Glass cover)		
	IK10 (Integrated PC lens with no glass)		
IP Rating	IP66		

Lifespan and Warranty

Operating Temperature	Class I : -30°C to + 50°C
	Class II : -30°C to + 40°C
Life Time of LED @Ta=25°C	40000hrs-L90
	82000hrs-L80
	131000hrs-L70
Warranty	5 years

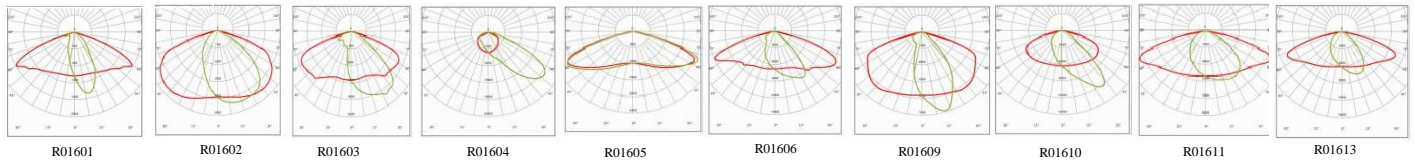
Applications

- Parking lots
- Traffic routes
- Residential areas
- Plazas

New Features

Photometry

16-in-1 PC lens+Glass cover

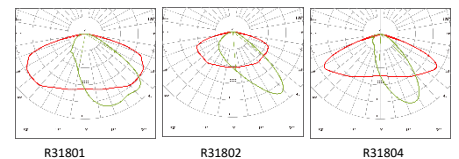
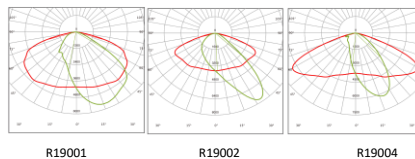
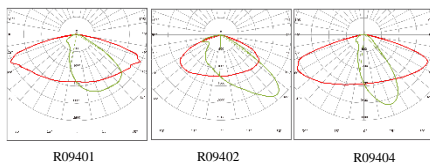


Integrated PC lens with no glass

For 20W 30W 40W only

For 60W 75W 100W only

For 120W 150W 180W only





Post top mount

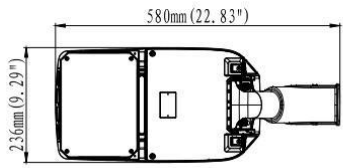


Side entry mount

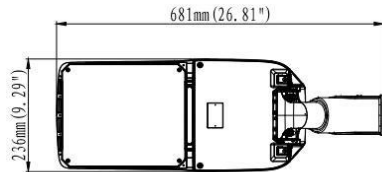
Dimensions

Unit:mm

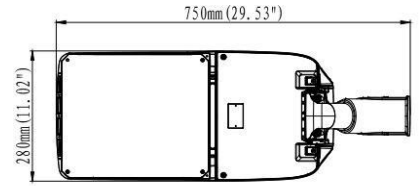
Side Entry



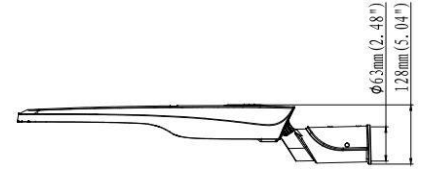
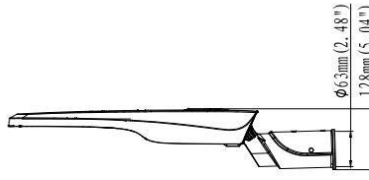
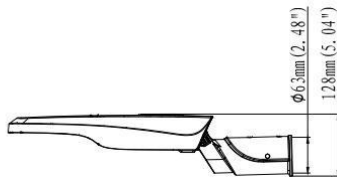
20W 30W 40W



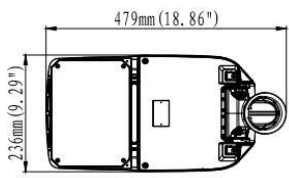
60W 75W 100W



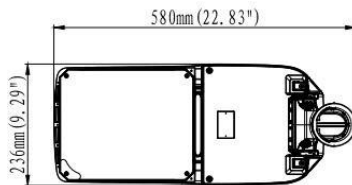
120W 150W 180W



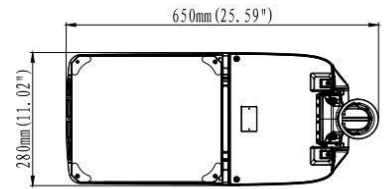
Post Top



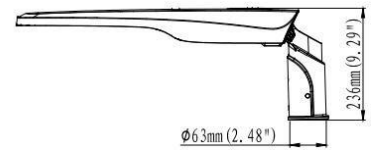
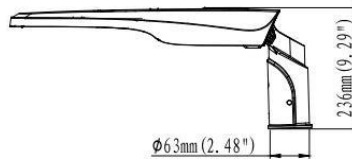
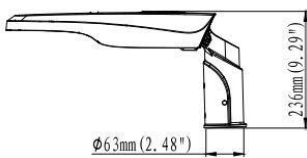
20W 30W 40W

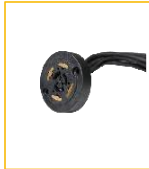


60W 75W 100W



120W 150W 180W





NEMA socket
ANSI C136.41-2013 Dimming Receptacles, 3pin/ 5pin /7pin are optional.
Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)



Photocell control
ANSI C136.10-1996 Twist Lock for On-Off function only
Code: PS-A00-01



Shorting cap
Cover NEMA socket when the photocell is not used.
Code: NS-A00-01



Plug and play motion sensor
12Vdc input, IP65 rating, max detect height is 15m.
Code: ANT-5-4T (Microwave Sensor)



ZHAGA receptacle
Compliant with Zhaga Book 18.
Code: ZG-A00-01



Pole mount spigot
ADC12 materials, ±15° tilt adjustable, for dia.34/42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
Code: SP-R03-04(for dia.76mm)



Wall mount adaptor
Q235+SPCC materials with hot dip galvanizing.
Code: SP-R03-05



T shape pole mount adaptor
Q235+SPCC materials with hot dip galvanizing, for 100x100mm square pole.
Code: SP-R03-07



T shape pole mount adaptor
Q235 materials with hot dip galvanizing, for dia.60/76mm pole
Code: SP-R03-06(for dia.60mm) Code: SP-R03-08(for dia.76mm) Code: SP-R03-08a(for dia.90mm)



L shape pole mount adaptor
Q235+SPCC materials with hot dip galvanizing, for 100x100mm square pole.
Code: SP-R03-10



L shape pole mount adaptor
Q235 materials with hot dip galvanizing, for dia.90mm pole
Code: SP-R03-09(for dia.90mm) Code: SP-R03-09a(for dia.76mm)



Corner mount adaptor
SPCC materials with hot dip galvanizing.Code: SP-R19-02



Quad adaptor
Q235 materials with hot dip galvanizing,90° 4 ways
Code: SP-R03-15(for dia.90mm)



Triple adaptor
Q235 materials, with hot dip galvanizing, 90° 3 ways
Code: SP-R03-14(for dia. 90mm)



Twin adaptor
Q235 materials with hot dip galvanizing,90° 2 ways
Code: SP-R03-13(for dia 90mm pole)



Post top mount adaptor
Q235 materials with hot dip galvanizing,76mm to 60mm Adaptor
Code: SP-R03-16(for dia 76mm pole)