



FH LED STREET LIGHTS Series 5050

Series 5050 /4/5



7 YEAR
WARRANTY

SERIES-5050: LED efficiency: >190lm/W Luminaire: >165lm/W

SERIES-5050: LED efficiency: >185lm/W Luminaire: >160lm/W





Overview

The FH solar & Led Iberica-Series LED street lights are using LUMILEDS® LUXEON 5050 luminous source, providing excellent lumen output, long-lasting stability and splendid sight.

The FH Solar & Led Iberica-Series LED street lights have a high luminous efficiency and better service life. Provide 7 years warranty on luminaire.

● Silver Gray ● Black
Color Options

LED LUMINOUS SOURCE



Greater than 185lm/W high efficacy, illumination grade LED light source.



LED DRIVER (Two options)

+ NON-DIMMABLE



High-end Mean Well HLG Series LED driver, optimal stability, performance and lifespan.

LED MODULE

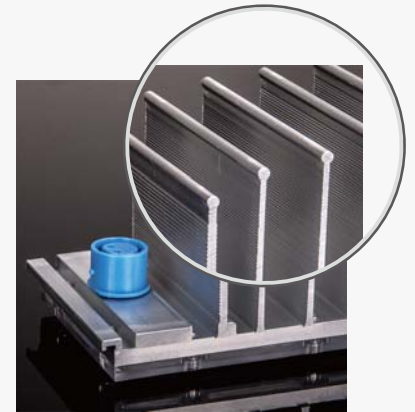
Exquisite design with powerful thermal dissipation and IP67 waterproof performance.



Overall stainless steel screws adopted.

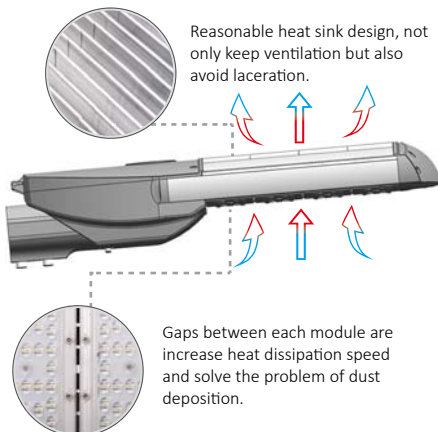


Black & Silver Color Modules.



Cylindrical edge design, avoid cut risk.

XTREME LUMINAIRE DESIGN



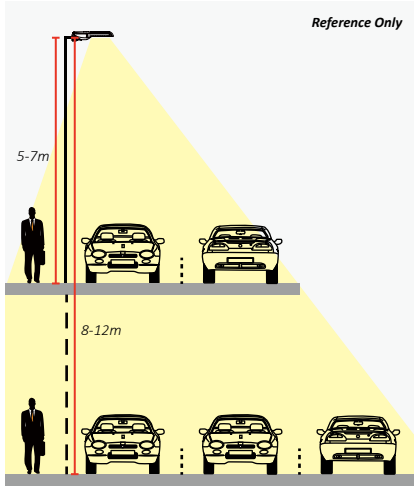
FLEXIBLE INSTALLATION



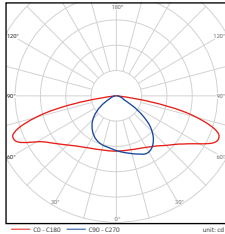
Innovative pole fitter design not only achieve the horizontal and vertical installation features, also has 0-15° adjustable function for each installation direction.



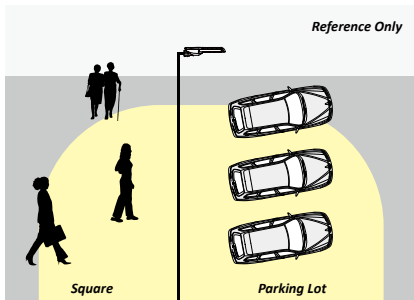
Application (Driverway width=3.5M):
Urban Main Roads | Highway | Parking Lot | Area



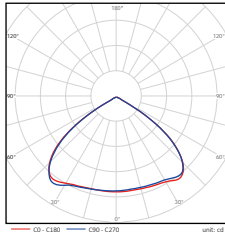
Reference Only



Lens code: TypeII,Medium



Reference Only



Lens code: TypeV,Short



Professional lens design, suitable for various applications.



Luminaire body is fixed by two M8x16 fortified stainless steel screws.



Rational clamshell design for wiring compartment, sturdy and durable.



Use stainless steel screws for whole luminaire, no corrosion worries.



Use German **WAGO** connectors for internal wiring, safe, convenient & fast.



Innovative pluggable connector, clean & efficient.



Neat inner cavity structure, ensure the thermal convection of LED driver.



Full aluminum made, sufficient heat dissipation area.

DETAILED FEATURES





- for Roads, Ecuador



- for Road, México



- for Parking Lots, United Kingdom



- for Outdoor Warehouses, Austria



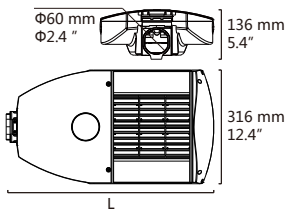
- for Parking Lots, United Kingdom





Product	FH-LD40-4	FH-LD80-4	FH-LD120-4	FH-LD160-4	FH-LD200-4
Nominal Wattage	40W	80W	120W	160W	200W
LED Working Current	48 mA	50 mA	50 mA	50 mA	50 mA
Number of Modules	1	2	3	4	5
Input Voltage	100-240V /277V AC 50 /60Hz				
Dimming	0-10V	0-5V, 0-10V, PWM, Timer			
LED Brand	Philips Lumileds 5050				
Driver Brand	Non-dimmable: MeanWell HLG Driver				
Max. Current @ 120V	0.41A	0.82A	1.23A	1.65A	2.06A
Max. Current @208V	0.24A	0.47A	0.71A	0.95A	1.19A
Max. Current @240V	0.21A	0.41A	0.62A	0.82A	1.03A
Max. Current @277V	0.18A	0.36A	0.53A	0.71A	0.89A
Operating Temperature	-40 °C to +50 °C				
Power Factor (PF)	>0.95				
THD	<20%				
Lumen Output (+/- 5%)	6400 lm	13200 lm	19800 lm	26400 lm	33000 lm
Luminaire efficacy (+/- 5%)	160 lm /w	165 lm /w	165 lm /w	165 lm /w	165 lm /w
Optic	TypeII, Medium; TypeV, Short				
CRI	>70				
CCT	4000K (Nature White), 5000K (Pure White), 5700K (Cool White)				
Rating	IP66, IK10, Surge Protection Device(6KV /10KV)				
Material	Housing: Die-cast aluminum; Heat sink: Stretched Aluminium Alloy; Lens: PC				
Installation	Horizontal and vertical installation for optional; Adjustable tilt angle: 0-10-15°				
Accessories (Optional)	Photocell; Adapter for 40 /42mm pole mounting (Normal mounting Ø 60 mm)				
Shell Color	Silver (RAL9022) or Black (RAL9005), other RAL colors available on request				
Lumen Maintenance	> 90,000 hours-L70 at 25 °C				
Certifications	CE, ROHS, CB, FCC, ENEC, LM80, ISO9001, ISO14001				
Packaging Type	1 unit /ctn.				

DIMENSION DATA

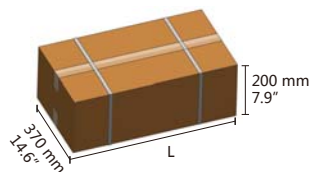


Number of Modules	1	2	3	4	5
"L" Length	431 mm 17.0"	504 mm 19.8"	577 mm 22.7"	650 mm 25.6"	723 mm 28.5"
Weight	5.3 kg 11.7 lbs.	6.1 kg 13.4 lbs.	7.3 kg 16.1 lbs.	8.2 kg 18.1 lbs.	9.0 kg 19.8 lbs.

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (54,000 Hours)	Theoretical L70 (Hours)
25 °C	80.56%	90,000
40 °C	79.08%	83,000
50 °C	78.12%	78,000

PACKAGING DATA



Number of Modules	1	2	3	4	5
"L" Length	480 mm 18.9"	555 mm 21.9"	630 mm 24.8"	705 mm 27.8"	780 mm 30.7"
Weight	6.3 kg 13.9 lbs.	7.3 kg 16.1 lbs.	8.6 kg 19.0 lbs.	9.6 kg 21.2 lbs.	10.6 kg 23.4 lbs.

DC INPUT VOLTAGE (OPTIONAL)

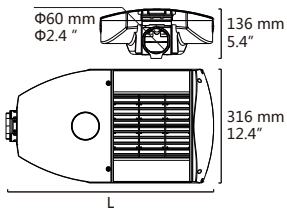
Model	Input Voltage	Max. Current
FH-LD40-4	12V/24V	4.12A @12V, 2.06A @24V
FH-LD80-4	24V	4.12A @24V





Product	FH-LD50-5	FH-LD100-5	FH-LD150-5	FH-LD200-5	FH-LD240-5
Nominal Wattage	50W	100W	150W	200W	240W
LED Working Current	46 mA	48 mA	48 mA	48 mA	48 mA
Number of Modules	1	2	3	4	5
Input Voltage	100-240V /277V AC 50 /60Hz				
Dimming	0-10V	0-5V, 0-10V, PWM, Timer			
LED Brand	Philips Lumileds 5050				
Driver Brand	Non-dimmable: MeanWell HLG Driver				
Max. Current @ 120V	0.51A	1.03A	1.54A	2.06A	2.57A
Max. Current @208V	0.30A	0.59A	0.89A	1.19A	1.48A
Max. Current @240V	0.26A	0.51A	0.77A	1.03A	1.29A
Max. Current @277V	0.22A	0.45A	0.67A	0.89A	1.11A
Operating Temperature	-40 °C to +50 °C				
Power Factor (PF)	>0.95				
THD	<20%				
Lumen Output (+/- 5%)	7750 lm	16000 lm	24000 lm	32000 lm	38400 lm
Luminaire efficacy (+/- 5%)	155 lm /w	160 lm /w	160lm /w	160 lm /w	160 lm /w
Optic	Typell, Medium; TypeV, Short				
CRI	>70				
CCT	4000K (Nature White), 5000K (Pure White), 5700K (Cool White)				
Rating	IP66, IK10, Surge Protection Device(6KV /10KV)				
Material	Housing: Die-cast aluminum; Heat sink: Stretched Aluminium Alloy; Lens: PC				
Installation	Horizontal and vertical installation for optional; Adjustable tilt angle: 0-10-15°				
Accessories (Optional)	Photocell; Adapter for 40 /42mm pole mounting (Normal mounting Ø 60 mm)				
Shell Color	Silver (RAL9022) or Black (RAL9005), other RAL colors available on request				
Lumen Maintenance	> 85,000 hours-L70 at 25 °C				
Certifications	CE, ROHS, CB, FCC, ENEC, LM80, ISO9001, ISO14001				
Packaging Type	1 unit /ctn.				

DIMENSION DATA

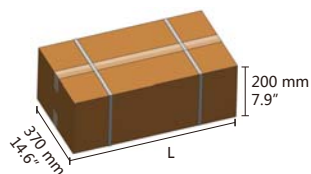


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LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (54,000 Hours)	Theoretical L70 (Hours)
25 °C	79.59%	85,000
40 °C	78.14%	79,000
50 °C	76.08%	71,000

PACKAGING DATA



Number of Modules	1	2	3	4	5
"L" Length	480 mm 18.9"	555 mm 21.9"	630 mm 24.8"	705 mm 27.8"	780 mm 30.7"
Weight	6.3 kg 13.9 lbs.	7.3 kg 16.1 lbs.	8.6 kg 19.0 lbs.	9.6 kg 21.2 lbs.	10.6 kg 23.4 lbs.

DC INPUT VOLTAGE (OPTIONAL)

Model	Input Voltage	Max. Current
FH-LD50-5	12V/24V	5.14A @12V, 2.57A @24V
FH-LD100-5	24V	5.14A @24V

