

FALCON

UP TO 199 lm/w
Brighter Streets, Smarter Savings



IP66



IK09/IK10



WARRANTY



Smooth Design
Dust Free



Heat Pipes



A cutting- edge LED lighting solution designed to deliver reliable performance with superior energy efficiency. Its sleek design and advanced technology ensure powerful illumination that lasts.

• APPLICATION



Car Parks



Perimeter Areas



Bridge



Garden



Urban



Recreational Areas

• CHARACTERISTICS & SPECIFICATIONS TABLE

Technical Parameters

Input Options :	100-240VAC / 277VAC 50 /60Hz
Power Factor:	>0.95
THD:	<15
Surge Protection Options (kV):	10KV (Standard) / 20KV (Available on Request)
Working Temp (ta):	-40°C to +55°C
Electric Class:	Class I 
Operating Humidity:	10-90% RH
Standard Deviation of Color Matching:	<5 SDCM
Color Temperature :	

Features

Housing:	Die-Cast Aluminum
Mounting:	Side Entry / Vertical Pole Mounted
Optics:	UV-Resistant Polycarbonate / PMMA
Beam Angle:	All Types Available
Body Finish:	Electrostatic Polyester Powder-Coated
Body Color:	Available Colors: Gray , Other Colors on Request
Lifetime:	L70B50 > 100,000h L80B20 > 50,000h
LED Type:	SMD3030 / SMD5050
Dimmable:	0-10V Dimming / 1-10V Dimming/ DALI
Switching Cycles:	>50,000 times
Flicker Free:	
Available on request:	ZHAGA socket, Photocell, Smart Controller

• PERFORMANCE

Model	CRI	Source
NLC-FC	Standard: >70 Optional: >80	 

Size	Small									
Version	Basic									
Wattage	20		30		40		50		60	80
Model	NLC-FC20W -BL-4K	NLC-FC20W -BH-4K	NLC-FC30W -BL-4K	NLC-FC30W -BH-4K	NLC-FC40W -BL-4K	NLC-FC40W -BH-4K	NLC-FC50W -BL-4K	NLC-FC50W -BH-4K	NLC-FC60W -BL-4K	NLC-FC80W -BL-4K
Efficiency Lumen	155lm/W 3100lm	175lm/W 3500lm	155lm/W 4650lm	175lm/W 5250lm	155lm/W 6200lm	170lm/W 6800lm	155lm/W 7750lm	165lm/W 8250lm	155lm/W 9300lm	155lm/W 12,400lm
Version	Plus									
Model	NLC-FC20W -PL-4K	NLC-FC20W -PH-4K	NLC-FC30W -PL-4K	NLC-FC30W -PH-4K	NLC-FC40W -PL-4K	NLC-FC40W -PH-4K	NLC-FC50W -PL-4K	NLC-FC50W -PH-4K	NLC-FC60W -PL-4K	NLC-FC80W -PL-4K
Efficiency Lumen	165lm/W 3300lm	180lm/W 3600lm	170lm/W 5100lm	175lm/W 5250lm	165lm/W 6600lm	175lm/W 7000lm	165lm/W 8250lm	175lm/W 8750lm	165lm/W 9900lm	165lm/W 13,200lm
Version	Beyond									
Model	NLC-FC20W -YL-4K	NLC-FC20W -YH-4K	NLC-FC30W -YL-4K	NLC-FC30W -YH-4K	NLC-FC40W -YL-4K	NLC-FC40W -YH-4K	NLC-FC50W -YL-4K	NLC-FC50W -YH-4K	NLC-FC60W -YL-4K	NLC-FC80W -YL-4K
Efficiency Lumen	177lm/W 3540lm	189lm/W 3780lm	185lm/W 5550lm	194lm/W 5820lm	190lm/W 7600lm	195lm/W 7800lm	189lm/W 9450lm	194lm/W 9700lm	190lm/W 11,400lm	186lm/W 14,880lm

Size	Medium						
Version	Basic						
Wattage	90		100		120	150	160
Model	NLC-FC90W -BL-4K	NLC-FC90W -BH-4K	NLC-FC100W -BL-4K	NLC-FC100W -BH-4K	NLC-FC120W -BL-4K	NLC-FC150W -BL-4K	NLC-FC160W -BL-4K
Efficiency Lumen	160lm/W 14,400lm	175lm/W 15,750lm	160lm/W 16,000lm	175lm/W 17,500lm	160lm/W 19,200lm	160lm/W 24,000lm	160lm/W 25,600lm
Version	Plus						
Model	NLC-FC90W -PL-4K	NLC-FC90W -PH-4K	NLC-FC100W -PL-4K	NLC-FC100W -PH-4K	NLC-FC120W -PL-4K	NLC-FC150W -PL-4K	NLC-FC160W -PL-4K
Efficiency Lumen	175lm/W 15,750lm	180lm/W 16,200lm	175lm/W 17,500lm	180lm/W 18,000lm	175lm/W 21,000lm	175lm/W 26,250lm	170lm/W 27,200lm
Version	Beyond						
Model	NLC-FC90W -YL-4K	NLC-FC90W -YH-4K	NLC-FC100W -YL-4K	NLC-FC100W -YH-4K	NLC-FC120W -YL-4K	NLC-FC150W -YL-4K	NLC-FC160W -YL-4K
Efficiency Lumen	192lm/W 17,280lm	199lm/W 17,910lm	195lm/W 19,500lm	199lm/W 19,900lm	195lm/W 23,400lm	192lm/W 28,800lm	192lm/W 30,720lm

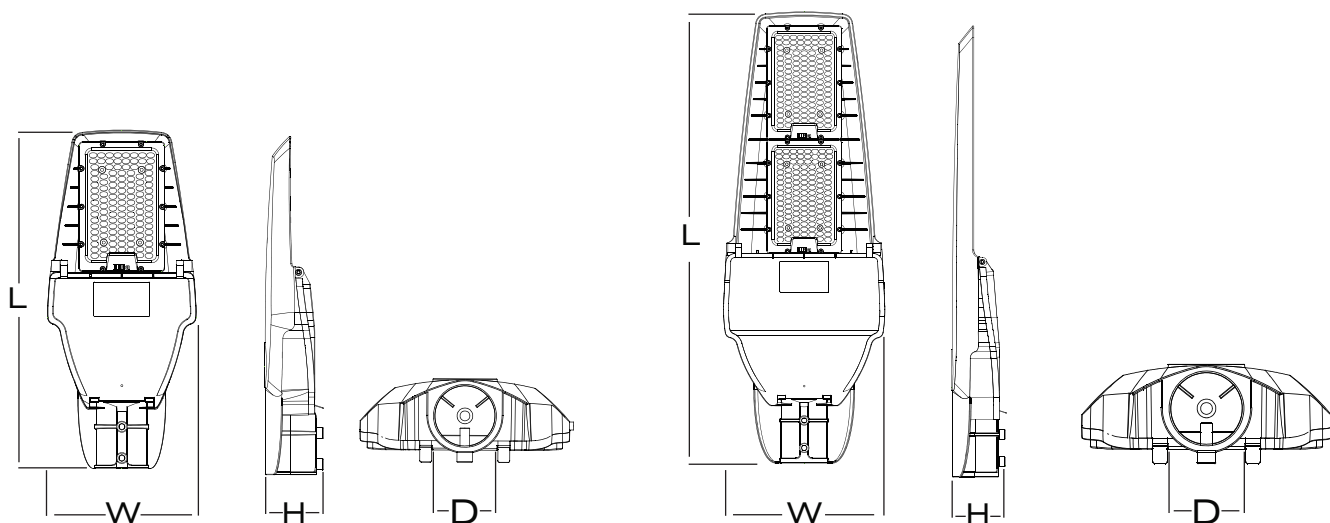
*Above values are calculated based on the product with CCT 3000K

*Values shown are subject to ±5% tolerance

• DRAWING

Small
L487 x W213 x H85 | D63mm

Medium
L740 x W265 x H88 | D63mm



• OPTIONAL ACCESSORIES



Photocell



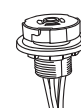
Shorting
Cap



NEMA Socket
(3 / 5 / 7pin)



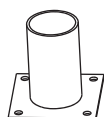
Smart
Controller



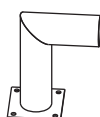
ZHAGA
Socket



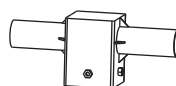
"60-40mm"



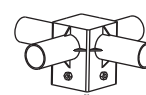
"T" Type



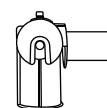
"L" Type



"2" in "1"

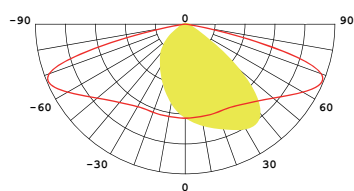


"4" in "1"

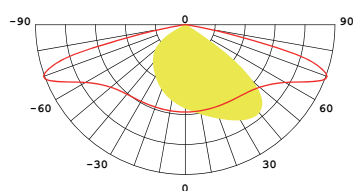


"60-60mm"
"60-80mm"

• LIGHT DISTRIBUTIONS CURVE



Type II
3030
Basic



Type II
5050
Plus

• CERTIFICATES



CB



RoHS

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