

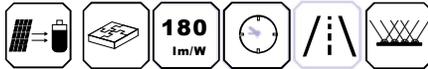
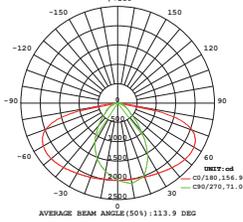
Technical parameters

NBS-FH-40



IAF CE FC RoHS IP65

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Model	NBS-FH-40	
Solar Module	Type	High-efficiency Monocrystalline Silicon
	Power	80W/DC18V
	Lifetime	20-25 years
	Adjustable Angle	360°on the horizontal direction; 270°on the vertical direction
Solar Charge Controller	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	345.6WH / DC12.8V, 27AH
	Lifetime	10-15 years
LED Light	Light Source Power	40W Bridgelux 5050 led chip (default) or Cree 3030 led chip
	Lamp Rated Total Luminous Flux	6400-7200lm
	Luminous Efficacy	180lm/w
	Viewing Angle	150 x 70 for road lighting (default) or 150 x 80 for area lighting
	CCT	3000-6500K (6000k default)
	CRI	≥75
	Light Control Voltage	DC5V
	Adjustable Angle	360°on the horizontal direction; 60°on the vertical direction
	Lifetime	≥50,000 hours
Detector (Motion Sensor)	Light Distribution	Batwing
	Sensor Type	Microwave Detection (By Radar)
	Detection distance	≤15m
	Delay Time	10 seconds (optional)

Charging Time	By Sunshine	5-7 hours
Lighting Time	Full Power	<12 hours
	Saving Mode	Continuously 4-5 rainy days, 12 hours per night
Working Modes	Light control	2hrs-100%, 2hrs-70%, 8hrs-20%
	Timing control	1hrs-50%, 4hrs-100%, 3hr-50%, 4hr-25%
	Supper Brightness	6hrs-100%, 6hrs-50%
	Microwave control	100% when detect any movement, 30% no movement
	Timing + Microwave control	2hrs-100%, 2hrs-70%, 2hr-50%; sensor start working, when detect movement 50% , 20% no movement.
Work Temperature	Charge Temperature	-25°C - +65°C
	Discharge Temperature Range	-20°C - 60°C
	Storage Temperature	-20°C - 45°C
Installation suggestion	Mounting Height Range	7-8m
	Installation Distance Range	19-23m
	Upper diameter	60-76mm
Main Materials of Light	All High quality Die-casting Aluminum	
Extended Application	Wind generator	
	GPRS Wireless remote management system (Remote control and monitoring)	
Product size	light body	728x392x290mm
	solar panel	765x665x30mm
Carton size	light body	760x420x340mm
	solar panel	780x750x100mm
Net weight	light body + solar panel	14KG + 7.35KG=21.35KG
Gross weight	light body + solar panel	16.1KG + 8.65KG=24.75KG

