

Manufactured by:

mahitri
technocrats

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Om Infra
solutions

SOLAR LED BLINKER

Light of the future



Benefits



Low power
consumption



Constant
light output



Low output
degradation



Light even
distribution



Auto dusk to
dawn switching



Water-proof
fitting



Backup upto
3 cloudy days

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SR NO	DISCRIPTION	Li-18W
1	Display color	Red / Amber
2	Working hour	KCBL 12-EA : 12 hour KCBL 24-EA : 24 hour
3	System voltage	12.0 VDC
4	Solar PV module	KCBL12-EA 15 watt KCBL24-EA : 20 watt
5	Battery	KCBL12-EA : In-built SMF 12v, 7ah Exide battery KCBL24-EA : In-built SMF 12v, 7ah Exide battery
6	Power consumption	4 watt max.
7	Aspect diameter	300mm
8	Dusk to Dawn operation	KCBL12-EA : Yes KCBL24-EA : No
9	LED viewing angle	23 degree (as per NHAI standard)
10	Lamp intensity(Centre Lux)	Greater than 330 cd (as per NHAI standard)
11	IP protection	IP54 (as per NHAI standard)
12	Visibility	Greater than 500 meters
13	LED wavelength	Amber 590±5 nm Red 625±5 nm
14	Autonomy	4 days
15	Charge controller methodology	Three stage battery charge monitoring algorithm
16	LED driver efficiency	Greater than 90 percent
17	LED driver methodology	Dual PWM dc-dc buck converter
18	Ideal current consumption	Less than 2 ma
19	Protection	Short circuit protectionn o Battery over charge protectionp o Battery Deep discharge protectiono o PV reverse voltage polarity protectionli o Battery reverse voltage polarity protection o Software watch-dog for LED over current
20	Pole specs	110 mm outer diameter 3 mm thickness MS powder coated yellow Cable, panel stand. blinker mounting accessories
21	Pole Height	13 feet
22	System Weight	23 kg approx.

Manufactured by:

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