

ECCODiva 218

ECCO Electronics Private Limited

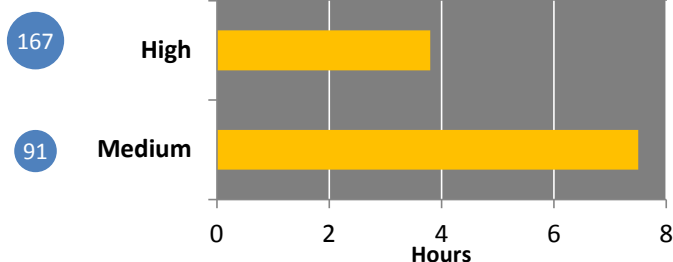
Results based on test procedures detailed in
IEC 62257-9-5, ed. 2.0

Verify Online: www.lightingglobal.org/products/ed-eccodiva218

Valid Until: May 2015

Lumens

Solar Run Time



Meets Lighting Global Minimum
Quality Standards



Mobile Charging

1

Light Point

Warranty Information

A 2-year warranty covering manufacturing defects.

Performance Details

Performance Measure	Brightness Setting***	
	High	Medium
Full battery run time* (hours)	5.4	11
Run time per day of solar charging* (hours)	3.8	7.5
Total light output (lumens)	167	91
Total area with illumination > 50 lux** (m ²)	1.1	--
Total lighting service (lumen-hours / solar-day)	630	680

* Run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

** Total area with illumination > 50 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

*** Additional brightness settings (not tested): Low, Dim

Lighting Details

Lamp type	LED
Description of light points	2 adjacent LEDs centered in light reflector
Colour characteristics	CRI 73 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	104% of the original output remains after 1000 hours run time

Special Features	
Mobile charging	4 adapter tips included to charge mobile phone from battery
5 in 1	Lamp can be reconfigured as a Torch, Study Lamp, Lantern, Wall Light and Ceiling Light
Home Lighting	Multiple lamps can be used as a home lighting system
Power Pack	Can be used as an auxillary power source of 5V/1.5 A
Charge control	Uses MPPT (Maximum Power Point Tracking)
Awards	India Design Mark, and CII Design Award

Durability	
Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and protection from occassional rain

Solar Details	
PV module type	Polycrystalline silicon
PV maximum power point	3 watts

Battery Details	
Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium-ion
Battery package type	18650 cylindrical cell
Battery capacity	1950 mAh
Battery nominal voltage	7.4 V
Appropriate battery protection circuit	Pass

Product Details	
Manufacturer name	ECCO Electronics Private Limited
Product name	ECCODiva 218
Product model / ID number	ECCODiva 218
Contact information	info@ecco.in
Website	www.ecco.in

SSS Information	
Specs sheet expiration date	May 2015
Minimum Quality Standards Framework Version	2012
Revision	2015.04