



Feature

- Citizen COB adopted, delivering 140 to 160 lumen per watt, converting more power to light.
- Patented passive cooling solution to manage surface temperature rising of luminaire at 30°C, junction temperature of led chip controlled at 100°C.
- Optical glass led lens with a light transmission more than 99%, offering the least light output loss, special rectangle shape designed to have a symmetric beam patter.
- 50000 hours lifespan putting the luminaire replacement circle to 20 years.
- IP66 (Excluded E27 and E40) water and dust proof, and aluminium alloy fixture with corrosion resistant.
- Power factor at 0.9-0.99.
- Easiest installation and maintenance, each part is replaceable.
- 3 years warranty.
- CE, FCC, RoHS and TISI marked.

Specifications

General Informations		Operating Temp.	
Product Name	NEX Saturn LB-100	Operating Humi.	-40°C to 45°C
Rated Power	100W	Lifespan	10% to 90%
LED Chip	Citizen COB	Warranty	50000 Hrs.
LED Efficacy	≥140 lm/W		3 Years*
Luminous Efficiency	≥126 lm/W	Electrical Informations	
Luminous Flux	≥12600 Lumen	Input Voltage	AC170-250V
Color Temp.	Natural white (4500K±400) (2700K-6500K Optional)	Frequency	50/60Hz
CRI (Ra)	≥80	Output Current	0.46A
Beam Angle	45D,65D,85D,120D	Power Factor	≥0.99
Lens Material	Optical glass	Power Efficiency	≥90%
Lens Light Transmission	99%	Total Harmonic (THDi)	≤10%
IP Protection	IP54	Surge Protection	2kA
Replacement	250W HID	Certificates & Test reports	
Dimensions	Ø192x185 mm(E40)/ Ø192x150 mm(Hook)	Certificates	CE,RoHS,FCC,TISI
Lamp Base	Hook	Test Reports	LM80/TM21
Weight	2.52 Kg.		
Housing Material	Aluminum alloy		
Housing Color	Black color		

Remark: The information contained in this document is subject to change without notice.
* 18Hrs/Day



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