

Product specification

Model: NOVA100

File No:

Version: V1.0

Best for 6+cm Depth Light Box



NOVA100

1. Features

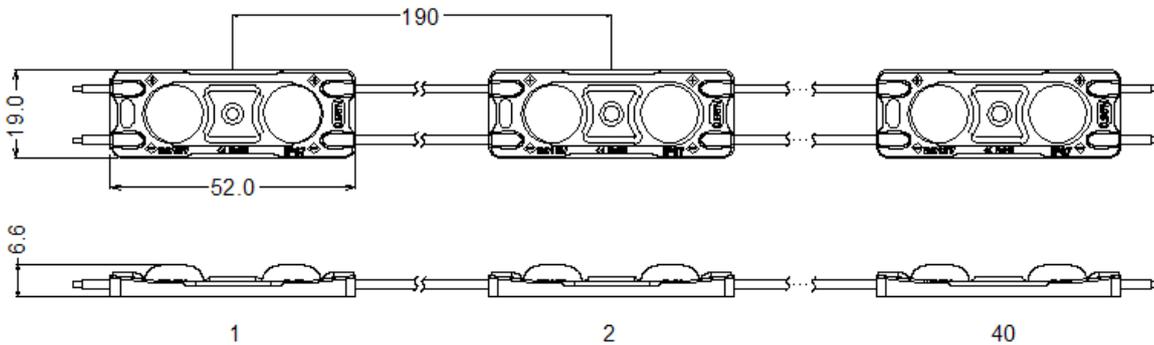
- ✧ Constant Current Technology, 40 pcs per series
- ✧ Injection molding process, water proof: IP 67
- ✧ High efficiency chip, high brightness and reliability
- ✧ Special design for protecting component
- ✧ Energy saving, environment friendly
- ✧ Long life span



2. Applications

- ✧ Signage lighting
- ✧ Light box lighting

3. Dimensions



Unit: mm

Note: the pitch based on 150mm wire

4. Environmental and Application Conditions

Ambient temperature range (TA on free air)	-25...+55°C
Storage temperature range	-40...+65°C
IP rating	IP67

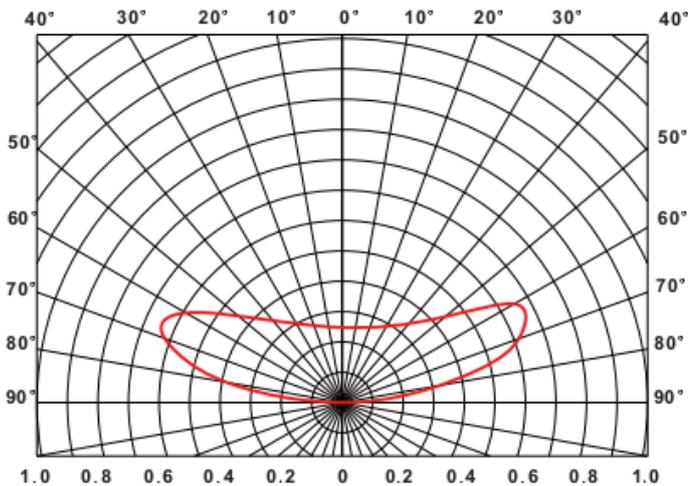
5. Electrical parameters

LED	9V 2835
Supply voltage range (rated)	12 VDC
Supply Current range (per module)	80 mA ±6% @ DC12V
Power range (per module, rated)	0.96 W ±10% @ DC12V

6. Optical parameters (module base)

Part No.	Color Range			Flux Range		Beam angle
	Min. CCT or wavelength	Typ. CCT or wavelength	Max. CCT or wavelength	Min. Lumen	Typ. Lumen	
UTM612B	2800 K	3000 K	3200 K	80	90	165°
UTN612B	4000 K	4250 K	4500 K	82	92	165°
UTW612B	6000 K	7000 K	8000 K	82	92	165°
UTC612B	10000 K	12000 K	14000 K	80	90	165°
UTB612B	460nm	465nm	470nm	12	15	165°
UTG612B	520nm	525nm	530nm	60	65	165°
UTR612A	620nm	625nm	630nm	25	30	165°

7. Light distribution graph



8. Attention

- Maximum number of modules of one chain is 40pcs from power supplier to single end.
- The given illuminance parameters ensure illuminance on the surface. Depending on the type of material used for channel letters or lighting boxed, the parameters can change. More brightness is obtained if distances between LED modules are reduced.
- The LED module itself and all its components may not be mechanical stressed.
- Please ensure that the power supply is adequate power to operate the total load. Only qualified personnel should be allowed to perform installations.
- The design of the housing should be according to the IP standards in the application.
- If surge protection structure not within power supplier, a lightning protector should be needed additionally.