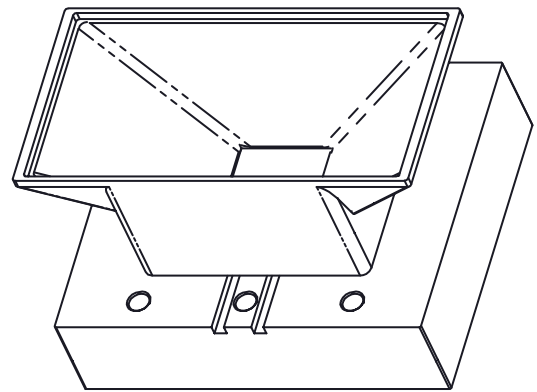


Solid-State Lighting Series

# 100W Street Lighting Module Datasheet

100W Street Lighting Module is designed using 100W ultra-high power EdiStar Emitter. It can provide up to 6,500lm in Cool White, and also be available in Neutral White and Warm White, with lumen output of 5,200 lm and 4,800lm respectively.

With its easy screw-in installation, 100W Street Lighting Module is an ideal choice for quick LED integration specifically for street lighting applications.



## Features :

- Easy installation
- Ultra-high brightness

## Typical Applications :

- Street Lighting
- Wall Wash Lighting
- Outdoor Lighting

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## Dimensions

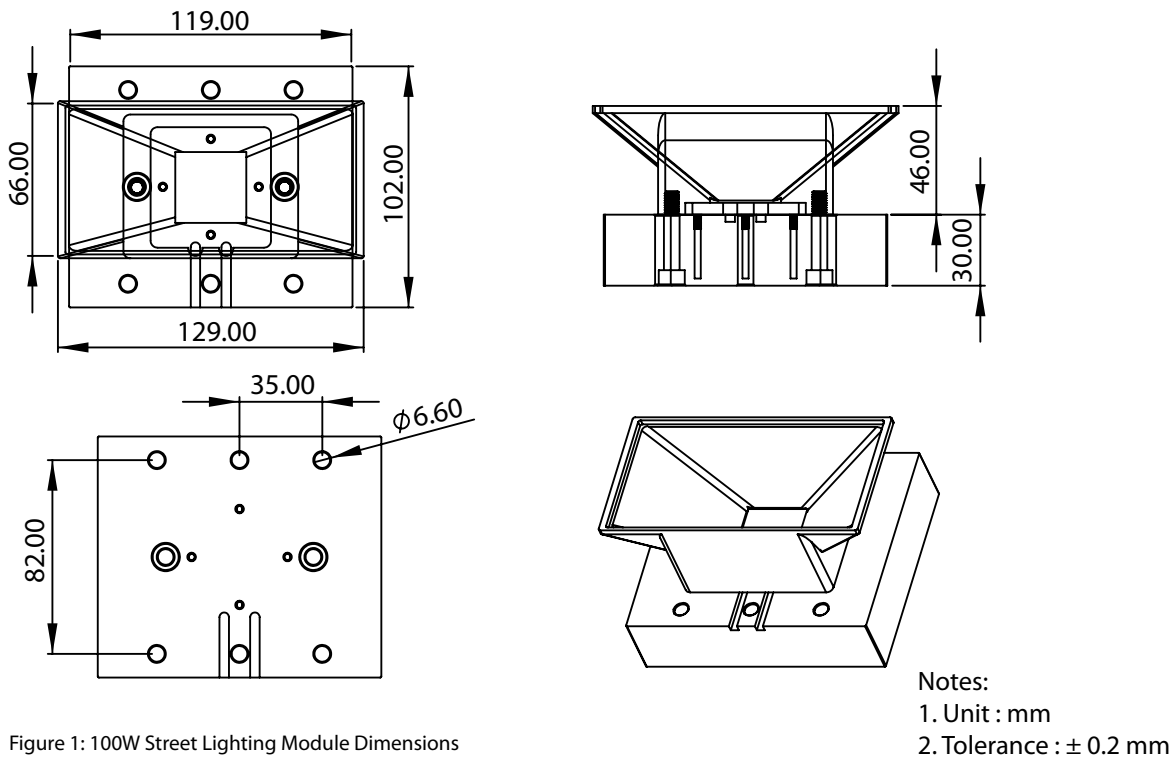


Figure 1: 100W Street Lighting Module Dimensions

## Absolute Maximum Ratings

Dimension :	129 (L) x102(W) x79(H) mm
Light Source :	100W EdiStar x 1pcs
Total Flux(Typ.) :	6,500 lm
Total Power :	100W
Weight :	1.3 kg

Table 1: 100W Street Lighting Module Absolute Maximum Ratings

## Luminous Flux Characteristics

The following table describes flux of EdiStar series emitters.

Parameter	Color	Flux(Typ.)	Units
ENEW-10-1010-EB	Cool White	6,500	lm
ENEH-10-1010-EE	Neutral White	5,200	lm
ENEX-10-1010-EE	Warm White	4,800	lm

Note :  
Flux is measured with an accuracy of  $\pm 10\%$ .

Table 2: Luminous flux characteristics at  $I_f = 3,000\text{mA}$  and  $T_j = 25^\circ\text{C}$  for 100W EdiStar series

## Forward Voltage Characteristics

The following table describes forward voltage of EdiStar series.

Parameter	Color	$V_F$			Units
		Min.	Typ.	Max.	
ENEW-10-1010-EB	Cool White	30	33	36	V
ENEH-10-1010-EE	Neutral White	30	33	36	V
ENEX-10-1010-EE	Warm White	30	33	36	V

Note :  
Forward Voltage is measured with an accuracy of  $\pm 0.1\text{V}$

Table 3: Forward voltage characteristics at  $I_f = 3,000\text{mA}$  and  $T_j = 25^\circ\text{C}$  for EdiStar series

## Specifications

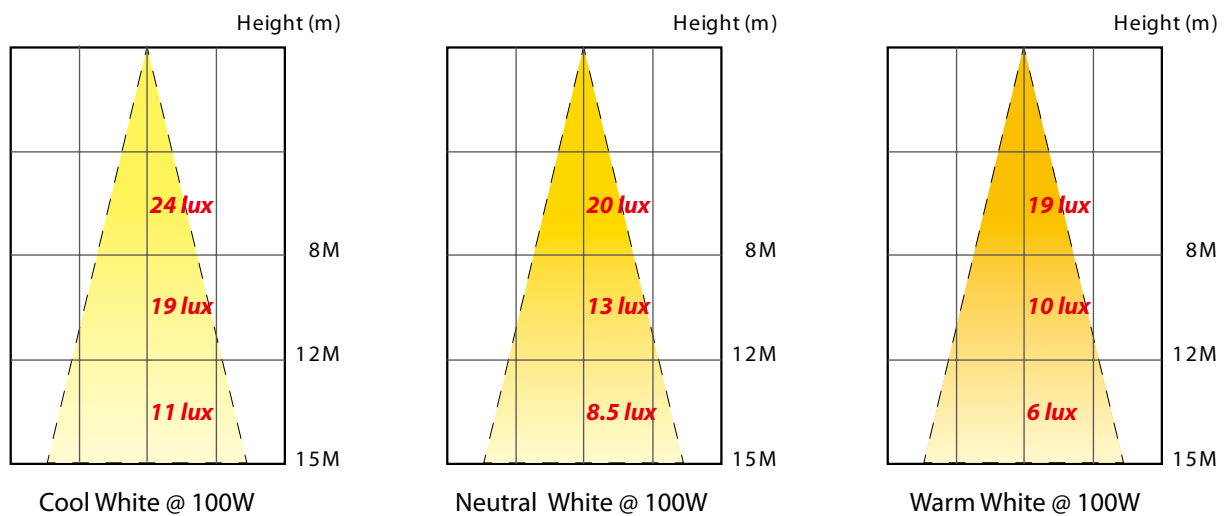
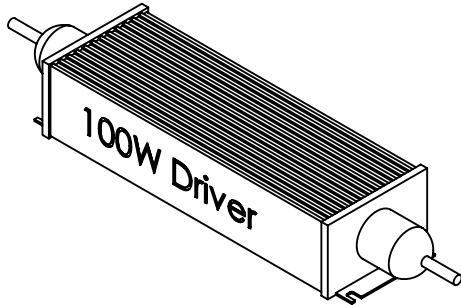


Figure 2: 100W Street Light Module specifications

## Recommended Drivers



DC Output Forward Voltage	Output Current
18~36V	3A(constant current)

Figure 3: 100W Street Light Module Power Specifications

## Application Notes

Designing with one of world's highest lumen output LED, 100W Street Lighting Module incorporates EdiStar emitter to provide exceptional lighting effect both in quantity and quality.

Please note that the 100W Street Lighting Module needs external heat dissipation design in order to keep it's performance and reliability.



Figure 4: 100W Street Lighting Module Application