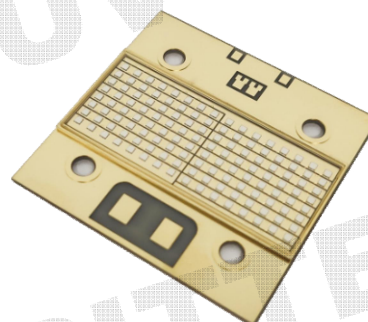


# COB 4040

## Introduction

COB 4040 series are a kind of high radiation power UVLED with 128 pcs 45 mil chips, using 0.5mm thick ALN substrate.

The peak wavelength ranges from 365nm to 410nm.



## Characteristics

### Absolute Maximum Ratings

Parameter	Rating
Maximum DC Forward Current	8A
LED Junction Temperature	130℃
Operating Temperature	-30℃~85℃
Storage Temperature	-40℃~100℃

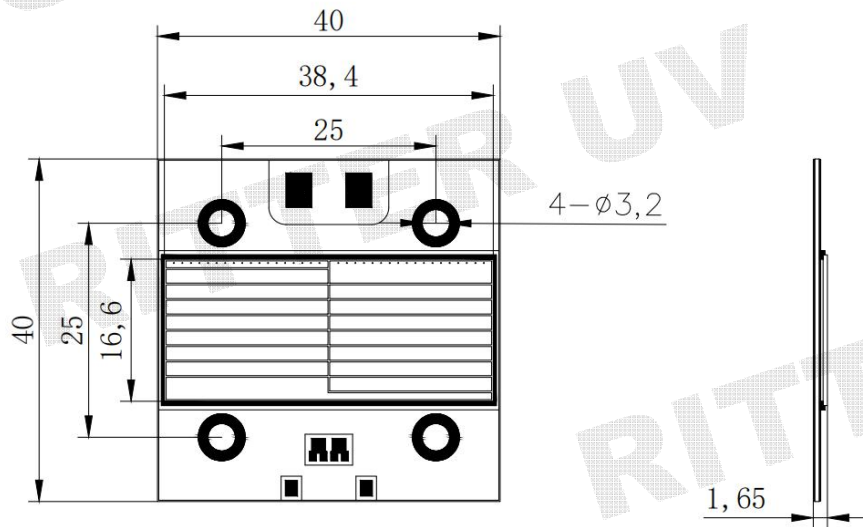
### General Characteristics

Parameter	Rating
Dimensions	40mm*40mm*1.65mm
Chip Connection Arrangement	16S8P
Emitting Area Size	16.6mm*38.4mm
Typical Peak Wavelength	365nm~410nm
Typical Input Current	5.6A
Typical Input Voltage	49V~60V
Typical Peak Irradiance (@5.6A)	25w/cm <sup>2</sup>
Connector type	direct wire bonding

Note :

Irradiance is measured at a distance of 1mm.

## Dimensions



**Top view**

**Side view**

### Notes :

1. Drawings are not to scale
2. All dimensions are in millimeter
3. Dimensions are  $\pm 0.10$ mm unless otherwise indicated

## Electrical Connector

