



## AND4040M-1W

### Custom 4" (100mm) White LED Backlight

The AND4040M-1W is an illuminator that is ideal for lighting non-emissive displays. High optical efficiencies significantly optimize LCD and small aperture signage display performance with reduced power consumption. The AND4040M-1W illuminators operate over a wide temperature range, are relatively immune to vibration and mechanical shock, making them ideal for today's portable products.

#### Features

- Compatible with ANDpSi04C380S
- Compact, rugged, lightweight
- Fast response < 100ns on/off address
- Long life
- Low voltage/power efficient operation
- 15,000:1 Dynamic full range dimming
- High optical efficiency
- Eliminates DC-AC inverter/pwper supply
- No warm-up and no over voltage start
- High reliability

#### Mechanical Characteristics

Item	Specification	Unit
Aperture Size ( $\pm .25$ )	81.25 x 61.25	mm
Aperture (Diagonal)	100	mm
Body Dimensions	84.75 x 72.25	mm
Height	5.00	mm
Weight	34.00	grams
Angular Radiation	$\pm 23^\circ$ C FWHM	—
Operating Temperature	$-40^\circ\text{C}$ to $+85^\circ\text{C}$	—

#### Electrical & Optical Characteristics (Ta = 25°C)

Item	Symbol
Luminance(fL) ( $\pm .10$ )	2000
Color ( $\pm 0.02$ )	x = .32 y=.32
Uniformity (Full Aperture)	1.4:1
Power (W)	5.5
Drive (VDC) ( $\pm 0.2$ )	7.1
Projected Life (Hrs)*	$\geq 10\text{K}$

Note: Steady State DC, Ta = 25°C, IF = 30mA

\*Additional derating required for elevated temperatures.

Maximum Operating Range Amb.Temp. vs % Forward Current





