

DOME PIXEL LED 26mm, 16mm

Datasheet and Wiring Guide

12V	# PIX26C	RGB-Digital
	# PIX26F	RGB-Digital
	# MD26-65K3	White 6500K
	# MD26-32K3	Warm White 3200K
	# MD16-65K1	White 6500K
	# MD16-32K1	Warm White 3200K

5V	# PIX16C	RGB-Digital
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Product Code	>
Image	>

5V # PIX16C
16mm RGB-Digital

12V # PIX26C
PIX26F
MD26-65K3
MD26-32K3
MD16-65K1
MD16-32K1

26mm RGB-Digital
26mm RGB-Digital
26mm Opal White 6500K
26mm Opal Warm White 3200K
16mm Opal White 6500K
16mm Opal Warm White 3200K



Clear Opal

Applications	>
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Retro Sign Letters, Architectural Visual Effect lighting etc

Features	>
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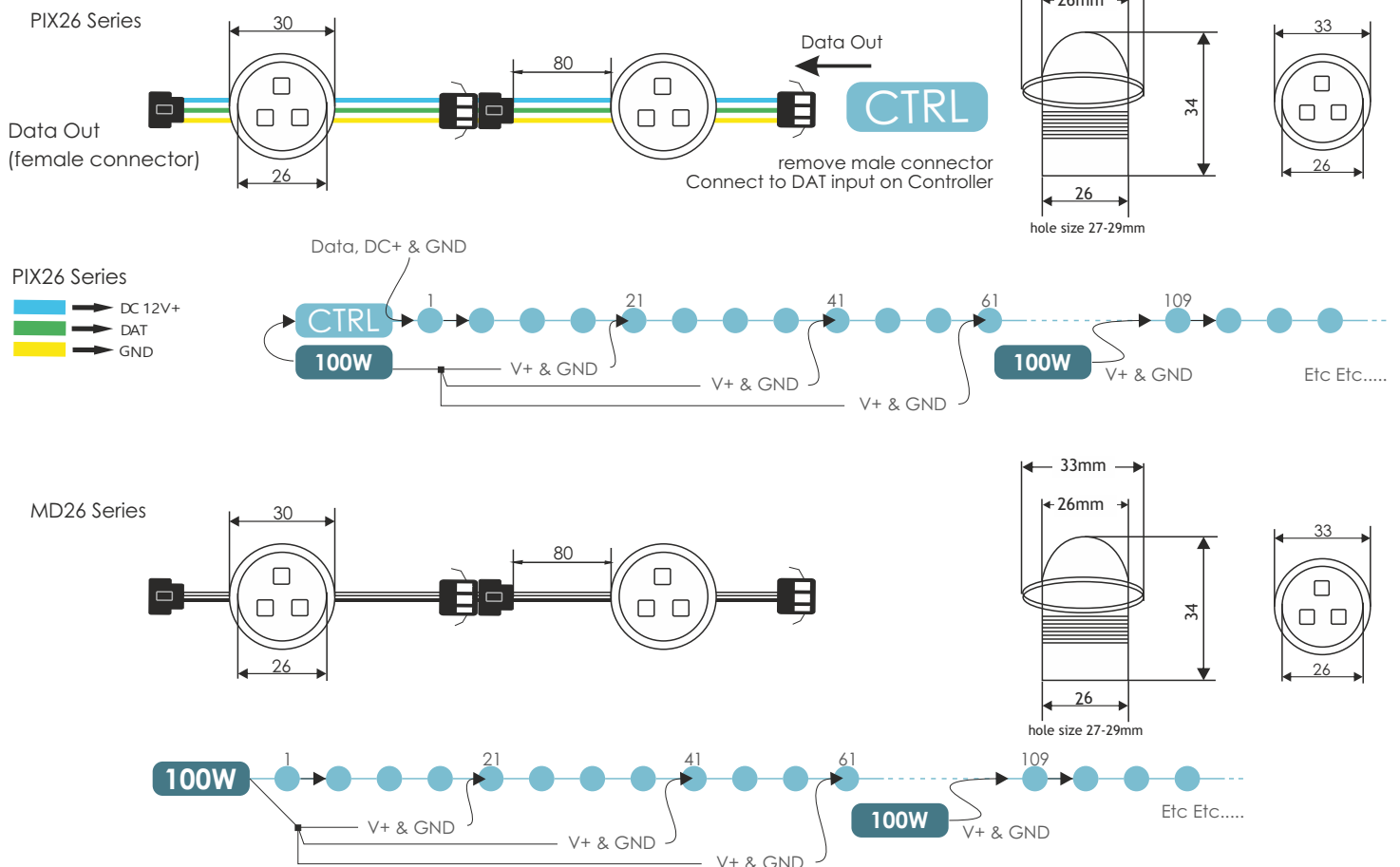
Dome Lens Cover
1 Pixel per String
LED type: RGB SMD 5050 LED
Viewing angle: 180 degrees
Push through surface mount
Waterproof LED enclosure
JST Connectors (non-waterproof)



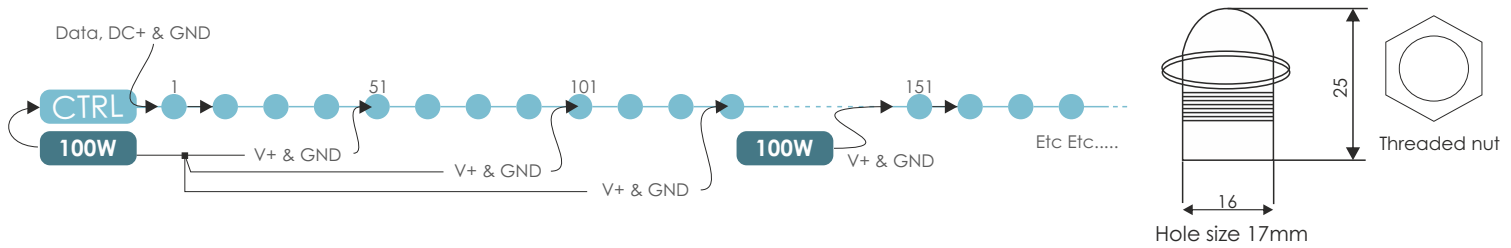
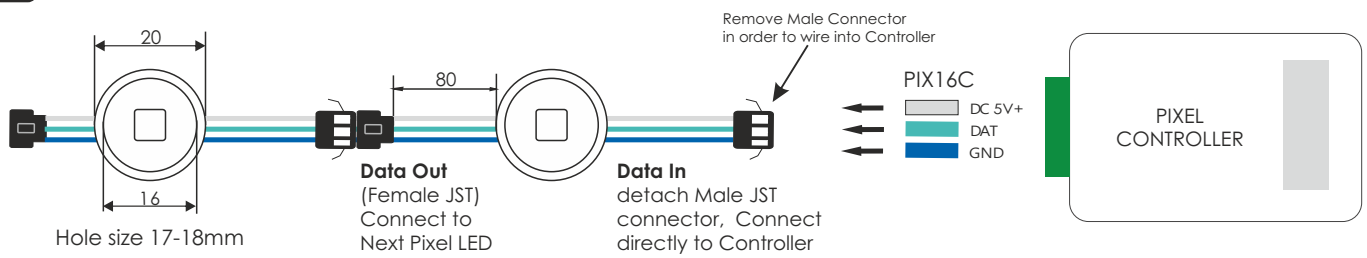
Wiring and Dimensions	>
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Max. 20 pixels in any single circuit

Example : 100W 12Vdc Driver at 78% efficiency can drive 108 Pixels @ 0.72W



5V PIX16C RGB-IC Digital



Specification Data >

	PIX26C/F	MD26 Series	PIX16C	MD16 Series
Input Voltage (VDC)	12V	12V	5V	12V
Power (W)	0.72W	0.72W	0.25W	0.30W
LED Chip Type / Colour Temp.	3 x 5050 RGB-IC	3 x 5050, 6500/3200K	1 x 5050 RGB-IC	1 x 5050, 6500/3200K
Digital Protocol	UCS1903 / Ws2811	-	WS2811	-
Overall Dimension	33W x 34H mm Body	33W x 34H mm Body	17W x 25H mm Body	17W x 25H mm Body
Dome Diameter	26mm	26mm	16mm	16mm
Protection	IP65 (Body only)	IP65 (Body only)	IP65 (Body only)	IP65 (Body only)
Maximum LED per Circuit	20 Pieces	20 Pieces	50 Pieces	50 Pieces
Warranty	2	2	2	2

Installation Notes/Troubleshooting RGB-IC:

26mm Dome LED:
12VDC, RATED 100W, 78% Efficient PSU = 108 Pieces

For lengthy wiring circuits, a suitably correct gauge of wire must be used to minimise the chance of voltage drop. Premature failure can will occur due to voltage drop, which would void warranty.

If using outdoors and to achieve waterproofing on connections, JST connectors can be removed and replaced with 3M IDC GEL connectors. **IMPORTANT** For RGB-IC Remember to label the Data In / Data out ends of the wires before detaching JST connectors.

MIS-WIRING ERROR (LEDS ARE BLUE) :
If after wiring and powering up you find LEDs are illuminating dim blue. This would indicate that your controller is using the wrong protocol or the Data flow is in wrong direction. **Solution:** Switch off power supply, reverse LED string connection to controller by swapping ends. ie. Connect the opposite end to controller. Switch on power supply. Select matching Protocol (follow instructions in controller user guide) then switch power on.

