

# P023R6-660MA

## LOW VOLTAGE LED WAFER LIGHT



### 4" Constant Current LED Wafer Light

The P023R6-series of DC-powered LED fixtures gives home builders the ability to install a high-quality, full-featured LED lighting system using low-voltage DC power. The low profile of the P023R6 series creates a clean look to the finished ceiling and provides flicker-free and perfectly 0-100% dimmable fixed true white or color tunable lighting in new home construction.

For a recessed version with the same features and high-quality light output, please see the DL Series of recessed lights. The P023R11 is a 6" version of the P023R6 4" version. All of these LED fixtures are available as options that are suitable for installation in wet environments. This LED fixture and AL-CBOX4 mounting solution allow code-compliant LED installations in single family or MDU with low voltage wiring.

### Key Specifications

Electrical/Operational	
Wattage	6 W operating
Operating Voltage	7.5 to 9.0 V
Recommended Wiring	Series, 4 or 5 fixtures sharing one driver
Operating Current	0 to 660 mA
Operating Temperature	Ceiling mount, -20 to 50°C non-condensing
Photometrics/Optical	
Color Temperature	4 fixed options plus tunable white
CRI	90
Dimming Range	0 to 100%, flicker-free, no artifacts
Lumens	540

### Features

- Fixed true white or color-tunable
- 0-100% smooth dimming
- Zero flicker
- Cool operation with no hot spots
- Available in 4" trim size
- Suitable for wet environments

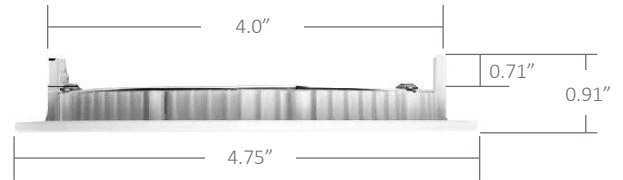
### Certifications

- ETL Listed - 5005242
- JA8/Title 24 compliant and tested
- IC rated for direct contact with insulation
- Closet rated under NEC codes

## Dimensions

The P023R6 is available in a 4-inch trim size.

Base width	4.0 in / 101.6 mm
Face width	4.75 in / 120.65 mm
Flange depth	0.71 in / 18 mm
Total depth	0.91 in / 23 mm



## Color Temperature Options

The P023R6 is available in four different color temperatures and a tunable white version. Connecting both inputs in parallel will generate the 3850K color, as indicated by the '#' in the chart below.

Any 660 mA current source can be used. Up to five fixtures can be wired in series to share one driver, which can be located up to 150 feet from the LEDs since constant current eliminates the concerns about voltage drop.

This fixture is also available as a wet-rated version that is suitable for wet environments, as indicated by the -W suffix.

Part Number	2700K <i>Soft White</i>	3000K <i>Bright White</i>	3500K <i>Neutral White</i>	3850K <i>Cool White</i>	4000K <i>Direct Sun</i>	5000K <i>Daylight</i>	
<i>Fixed Color Options</i>							
P023R6-660mA-3000K		+					
P023R6-660mA-3500K			+				
P023R6-660mA-27/50K	+			#		+	
<i>Tunable Color</i>							
P023R6-660mA-27/50K	+						+

## Recommended Drivers

Wall Switch Drivers	Fixed Color	Tunable White	Feature	DABus <sup>1</sup>
AL-WS-DR1	5		Value	
AL-WS-DR1-PIR	5		Motion	X
AL-WS-DR2	10	5	Smart	X
AL-WS-DR2C	10	5	Universal	
AL-WS-DR2W	10	5	WiFi	
AL-WS-BATH	5		Value	

NOTE:

1 - ATX LED Smart switches are compatible with the IEC62386 standard. For more information, please see <https://www.dali-alliance.org/dali/standards.html>.

## Part Numbering

P023R6	-	660mA	-	3000K
Product Number		Description		Variety