3MM STANDARD DIFFUSED LED

Colour	Typical mCd	Code	1+	10+	100+	500+	1000+
Red	275	3501					
Green	35	3502					
Yellow	125	3503					
White	700	3564					
Blue	500	3565					

3MM STANDARD WATER CLEAR LED

Colour	Typical mCd	Code	1+	10+	100+	500+	1000+
Red	1000	3598					
Green	75	35101					
Yellow	1000	3599					
Blue	1750	35102					
White	2750	35103					
Amber	1750	35100					

5MM STANDARD DIFFUSED LED

Colour	Typical mCd	Code	1+	10+	100+	500+	1000+
Red	275	3504					
Green	35	3505					
Yellow	125	3506					
White	700	3542					
Blue	500	3543					
Orange	275	3567					

Components

ℹ Calculate the resistor value for your LED the easy way with our online calculator:

www.kitronik.co.uk/ledcalc

5MM STANDARD WATER CLEAR LED

Colour	Typical mCd	Code	1+	10+	100+	500+	1000+
Red	1150	35104					
Green	1000	35107					
Yellow	800	35105					
White	2250	35109					
Blue	1150	35108					
Amber	900	35106					

5V DIFFUSED LED - 10 PACK

5mm LEDs in red, green & yellow, designed for use with a 5V supply. Pack of 10.

Colour	Typical mCd	Code	1+
Red	80	3530	
Green	32	3531	
Yellow	32	3532	

FLASHING LED

5mm flashing LEDs in red, green, yellow, blue & white. The LEDs flash at around 2Hz when connected to a 5V supply.

Colour	Typical mCd	Code	1+	10+	100+	1000+
Red	3500	3538				
Green	4000	3539				
Yellow	3500	3540				
Blue	3500	3545				
White	8400	3592				

Components

Free technical support on all products.
Call or email us at:

support@kitronik.co.uk

> www.kitronik.co.uk   > sales@kitronik.co.uk

COLOUR CHANGING LED

This LED slowly cycles through various colours, making it ideal for mood lighting, toys or ornaments. This LED does not require a current limit resistor.

Operating voltage: 2.7V to 5V.   Current consumption (ave): 25mA .   Lens: Diffused.

Description	Typical mCd	Code	1+	10+	100+	500+
5mm high brightness	750	3527				
5mm standard brightness	540	3591				
10mm high brightness	750	3544				

∧ Usage example

5MM YELLOW CANDLE LED

This LED flickers to produce a look similar to that of a candle. This makes it ideal for mood lighting, toys or ornaments.

Operating voltage: 2.5V to 5V (this LED does not require a current limit resistor)

Description	Typical mCd	Code	1+	10+	100+	1000+
Candle LED	5800	3590				

5MM RGB LED

This 5mm RGB LED contains three LED elements (red, green and blue). Each element can be controlled independently.

Description	Typical mCd	Code	1+	10+	100+	500+
Common anode	2100	3551				
Common cathode	2100	3574				

5MM TRICOLOUR LED - 25 PACK

This 5mm LED is a red, green & orange LED in one package.

Description	Typical mCd	Code	1+
Tricolour LED - 25 pack	650	3511	

ⓘ For more information on LED forward voltages, viewing angles and brightness levels, see our online datasheet:

www.kitronik.co.uk/leddata

Components

> T: 0845 8380781   > F: 0845 8380782

5MM RED BIKE LIGHT LED - 50 PACK

Typical mCd	Code	1+
1000	3507	

5MM ULTRABRIGHT WATER CLEAR LED

Colour	Typical mCd	Code	1+	10+	100+	500+
White	5000	3524				
Blue	3500	3537				

3MM 25° DEG MEGABRIGHT WATER CLEAR LED - 10 PACK

Colour	Typical mCd	Code	1+
White	12500	3587-10	
Blue	7000	3588-10	
Red	12500	3589-10	

5MM MEGABRIGHT WATER CLEAR LED

Colour	Viewing angle	Typical mCd	Code	1+	10+	100+	500+
White	15°	17500	3549				
White	30°	17500	3550				
Red	15°	17500	3575				
Red	30°	9500	3579				
Yellow	15°	17500	3576				
Yellow	30°	9500	3580				
Green	15°	17500	3577				
Green	30°	9500	3581				
Blue	15°	8500	3578				
Sakuru*	15°	8400	35118				

*(Lilac)

Components

5MM WIDE ANGLE WHITE LED

A 5mm, wide angle, high brightness white LED. Viewing angle = 140°

Typical mCd	Code	1+	10+	100+	500+
3000	3546				

5MM UV LED

5mm UV (ultra violet) LED is ideal for many lighting applications and products such as money checkers.

Typical mCd	Code	1+	10+	100+	500+
95	3566				

4.8MM PINK LED

This bright pink LED has a wide viewing angle and a shorter body than most 5mm LEDs.

Typical mCd	Code	1+	10+	100+	500+
700	3568				

5MM INFRARED LED

5mm standard directivity high radiant power infrared LED. Water clear lens with superior weather resistance and UV resistant epoxy. Typical applications include IrDA, encoder, data comunication and IR camera. To be used with part code: **35111**.

Typical mCd	Code	1+	10+	100+
1100	35110			

INFRARED RECEIVER MODULE

Miniature size, built in exlcusive IC infrared receiver module. Wide half angle and long reception distance with good noise-proof capability. High immunity against ambient light. To be used with part code: **35110**.

Code	1+	10+	100+
35111			

10MM STANDARD DIFFUSED LED

Colour	Typical mCd	Code	1+	10+	100+	250+
Red	350	3508				
Green	350	3509				
Yellow	350	3510				

Components

10MM HIGH BRIGHTNESS DIFFUSED LED - 10 PACK

Colour	Typical mCd	Code	1+
Red	900	3583-10	
Green	1750	3584-10	
Yellow	900	3585-10	
White	1750	3586-10	

LED SPACER - 100 PACK

Description	Code	1+
5mm LED spacers - 100 pack	3525	
9.5mm LED spacers - 100 pack	3526	

PANEL MOUNT LED CLIP

Holder clips for panel mounting LEDs.

5mm LEd holder bezel: 8mm dia.   10mm LED holder bezel: 16mm dia.

Size	Pack Quantity	Code	1+
5mm	50	3541	
10mm	25	3582	

5MM CHROME BEZEL LED HOLDER

Chrome plated brass recessed holder for 5mm LEDs.

Panel cutout size: 8mm dia.   Complete with fixing hardware.

Description	Code	1+	10+
5mm chrome bezel LED holder	35112		

7 SEGMENT DISPLAY - 10 PACK

14.2mm high, green LED. Pack of 10.

Description	Typical mCd	Code	1+
Common anode	6	3512	
Common cathode	6	3513	

Components

> www.kitronik.co.uk   > sales@kitronik.co.uk

LED STAR

These power LED stars offer an extremely high light output in an energy efficient way.

Description	Typical mCd	Code	1+	10+	25+
1W warm white power LED star	45000	3547			
3W white power LED star	67000	3548			

5MM SUPER FLUX LED - 10 PACK

Colour	Typical mCd	Code	1+	10+	100+	500+
White	1800	3597				
Blue	1350	3596				
Yellow	1250	3594				
Green	1350	3595				
Red	1250	3593				

www.kitronik.co.uk/fluxled

CHOOSING A PSU FOR YOUR LED STRIPS

LED strips are very easy to use, but you need to make sure the power supply has sufficient capacity for the length of LED strips being used.

As all the colours of LED strips take about 400 mA per meter, the longer the length of strip the bigger the power supply has to be. To save you doing the maths below is a table showing the maximum length for each of the power supplies.
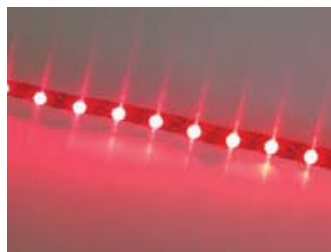
www.kitronik.co.uk/ledstrips

Max length	Power supply	Code	Page
12.5m	12V, 500mA, wall plug PSU	2260	91
5m (1 reel)	12V, 2A, wall plug PSU	2266	91

Components

> T: 0845 8380781   > F: 0845 8380782

FLEXIBLE LED STRIPS

These energy efficient flexible LED strips are extremely versatile. They can be used in a wide range of lighting applications and products. The strips are adhesive backed and run off a 12DC supply. The strips can be cut into sections.

15 way = 15 LEDs per 0.5m with 5cm cut points.
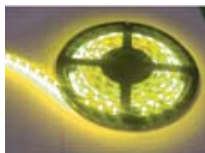30 way = 30 LEDs per 0.5m with 10cm cut points.

FLEXIBLE LED STRIP - 0.5M

Description	Code	1+	10+
Red flexible LED strip, 30 way - 0.5m	3352		
Green flexible LED strip, 30 way - 0.5m	3353		
Blue flexible LED strip, 30 way - 0.5m	3354		
Yellow flexible LED strip, 30 way - 0.5m	3355		
White flexible LED strip, 30 way - 0.5m	3356		

FLEXIBLE LED STRIP - 5M

Description	Code	1+
Red flexible LED strip, 30 way - 5m	3352-5M	
Green flexible LED strip, 30 way - 5m	3353-5M	
Blue flexible LED strip, 30 way - 5m	3354-5M	
Yellow flexible LED strip, 30 way - 5m	3355-5M	
White flexible LED strip, 30 way - 5m	3356-5M	

RGB FLEXIBLE LED STRIP - 0.5M

Description	Code	1+	10+
RGB flexible LED strip, 15 way - 0.5m	3357		
RGB flexible LED strip, 30 way - 0.5m	3363		

RGB FLEXIBLE LED STRIP - 5M

Description	Code	1+
RGB flexible LED strip, 15 way - 5m	3357-5M	
RGB flexible LED strip, 30 way - 5m	3363-5M	

Components