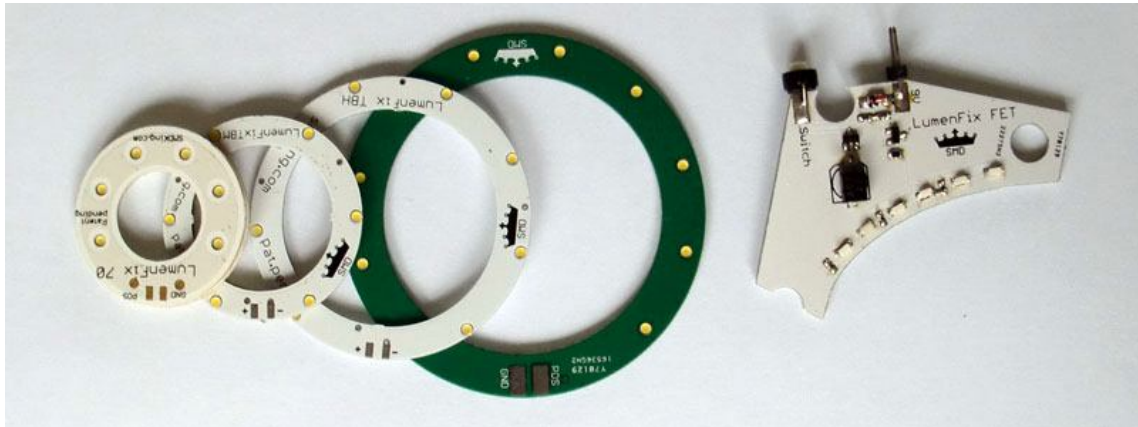


SMDKing

LumenFix modules



DEVICE : Ultra thin lightsource

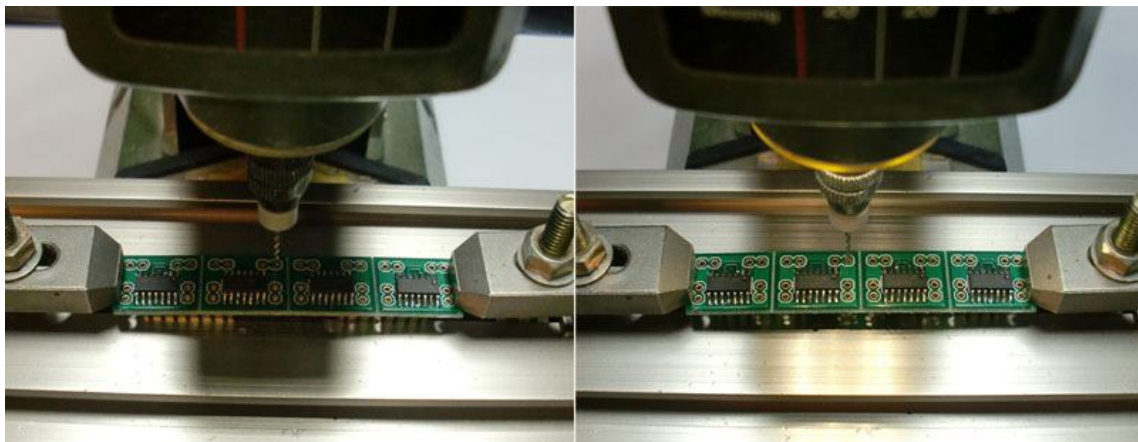
FEATURES : Omnidirectional light

APPLICATIONS : Lathe, drilling, milling- machines

INFO

LumenFix-modules are low power light-systems which enhance the view at a working-area of drill,- and milling-machines. The LumenFixes produce clear white omni-directional light. Because the lightsources are located circle-wise, there will be drastic less hinder of shadows. Next, each LumenFix-module is ultra flat and easy to mount. Changing tools will go exactly as before, without any additional hassle.

Below, digital photos were taken to show how a LumenFix can improve visibility. In both situations, the photo was taken at daylight, while a 40W TL-tube was used to add more light. When activating the LumenFix, the difference between both situations are enormous.



LumenFix OFF

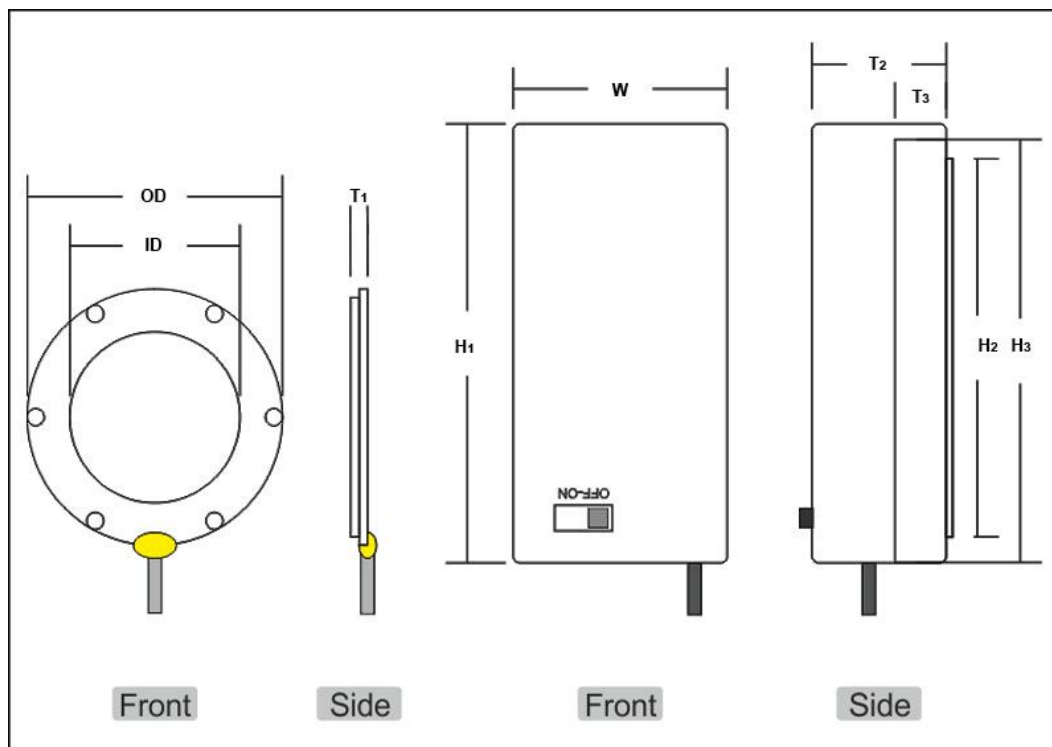
LumenFix ON

CHARACTERISTICS

• BASICS

Parameters				
Series	Voltage (DC)	Current	Color light	Amount of LEDs
LumenFix 70	9.0 V	50 mA	Bright white	6
LumenFix TBM	9.0 V	50 mA	Bright white	6
LumenFix TBH	9.0 V	60 mA	Bright white	8
LumenFix FF500	9.0 V	70 mA	Bright white	10
LumenFix T16S	3x AA	120 mA	Bright white	16
LumenFix T16M	3x AA	120 mA	Bright white	16
LumenFix T16L	3x AA	120 mA	Bright white	16
LumenFix CNC T8	3x AA	75 mA	Bright white	8

• DIMENSIONS



Model	OD	ID	T1	H ₁	W	T ₂	T ₃	H ₂	H ₃
LumenFix 70	32	16	2	69	33	21	8	67	60
LumenFix TBM	37	26	2	69	33	21	8	67	60
LumenFix TBH	50	38	2	69	33	21	8	67	60
LumenFix FF500	64	49	2	69	33	21	8	67	60
LumenFix T16S	63	49	2	69	49	19	5	67	69
LumenFix T16M	82	67	2	69	49	19	5	67	69
LumenFix T16L	100	86	2	69	49	19	5	67	69
LumenFix CNC-T8	86 (L)	19 (W)	2	69	49	19	5	67	69

Note : Dimensions are in mm (25.4 mm = 1.00 inch)

MOUNTING

• CLEAN SURFACE

All LumenFix series are easy to mount. Before even mounting the Lumenfix, it is important the surface of the machine is cleaned (free of fat, oil, lubricants, dust etc). If the surface is not clean, the powerbox and the ring should not be mounted. The area can be cleaned with Iso Propyl Alcohol (IPA).

• INSERT BATTERY/ BATTERIES

If the surface is clean, a 9V or 3 pcs AA (depends on model) should be inserted in the powerbox. Turn on the LumenFix check if all LEDs emit light. If it does, proceed with next step.

If not, you can request a replacement module and need to return ship the defective LumenFix.

• LOCATION OF POWERCABLE

The ring is connected to the powerbox by a powercable. It's important to realise where the powerbox will be mounted. Therefore, it's important to realise where the powercable should be located.

• LIGHT SOURCE

The adhesive part is protected by a paper. This paper should be removed.

-Ring : slide the ring over the drill-chuck to the base of the machine.

- Plate : Locate the plate close to the workarea.

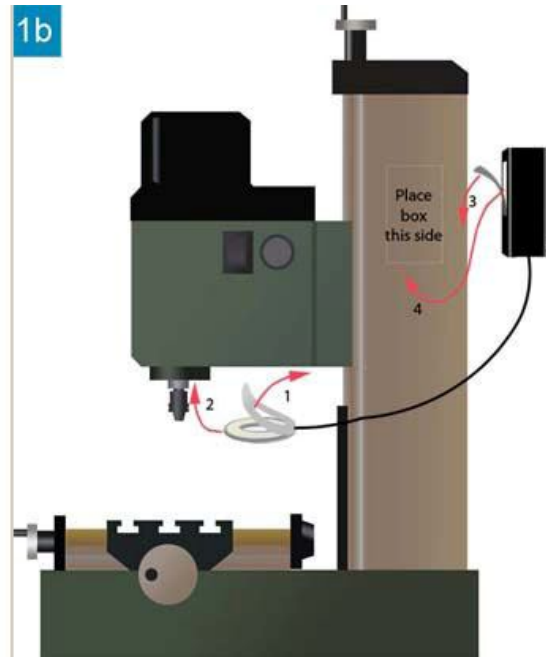
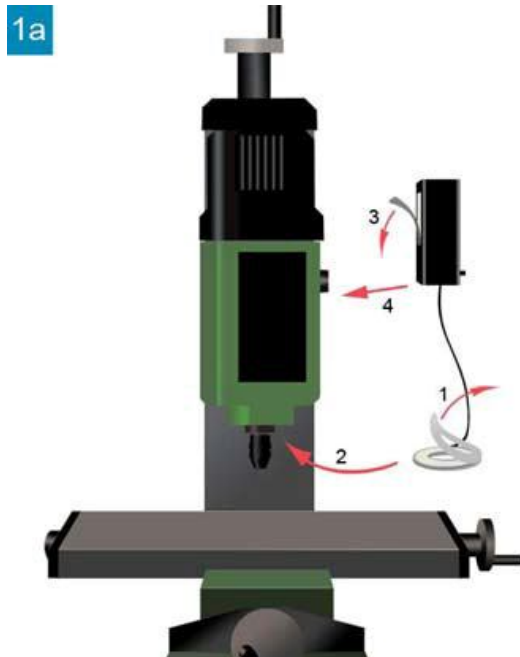
When touching the base, press the ring mild towards the base for 4 seconds.

• MOUNT POWER / CONTROLBOX

The powerbox should always be located at the side of the machine. By this, the cable won't hinder, when changing drills / mills and it's easy to turn the module ON/OFF.

At some machines the drill-chuck can be moved in the Z-axis (up and down). It is important the powerbox is located at the machine, while the powercord can still reach the ring easily (without being stretched), while the machine moves in the full range of the Z-axis.

The adhesive part of the powerbox contains a protective paper. This should be removed. When removed, the powerbox can be mounted to the machine. Press the module mild for about 4 seconds to the machine.



[This page is intentionally left blank]

Manufacturer : SMDKing
Datasheet : LumenFix modules
Version : 1.1
Date of release : 19th of february, 2018