



## NEO TOOLS 99-051 Motion Sensor Floodlight Instruction Manual

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### NEO TOOLS 99-051 Motion Sensor Floodlight



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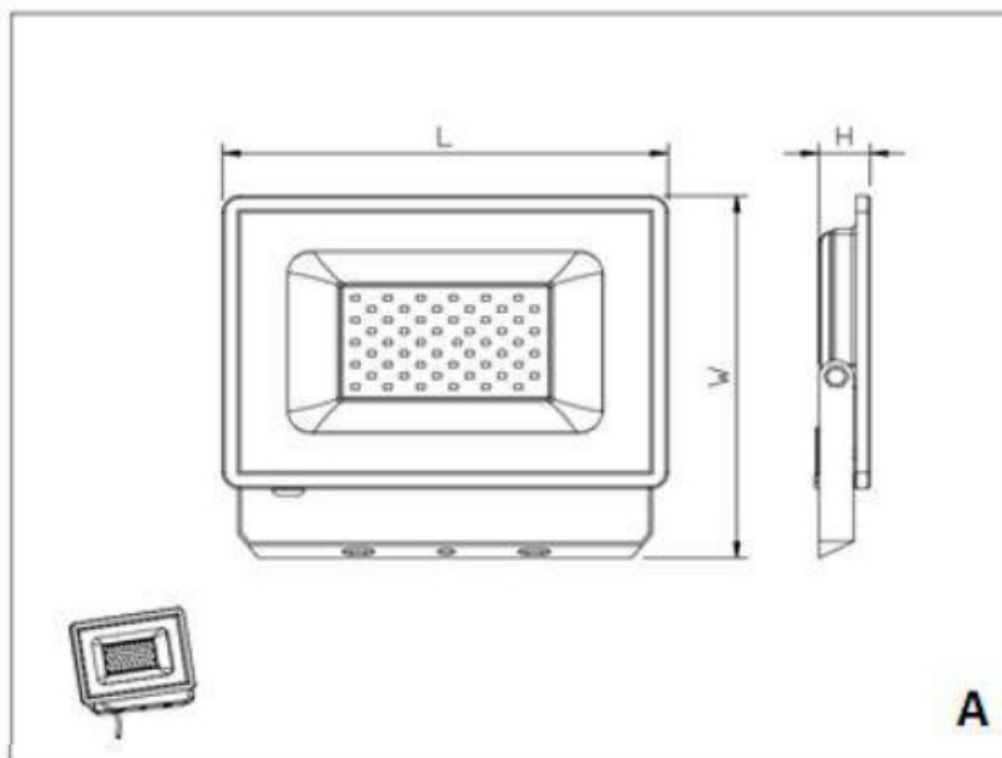
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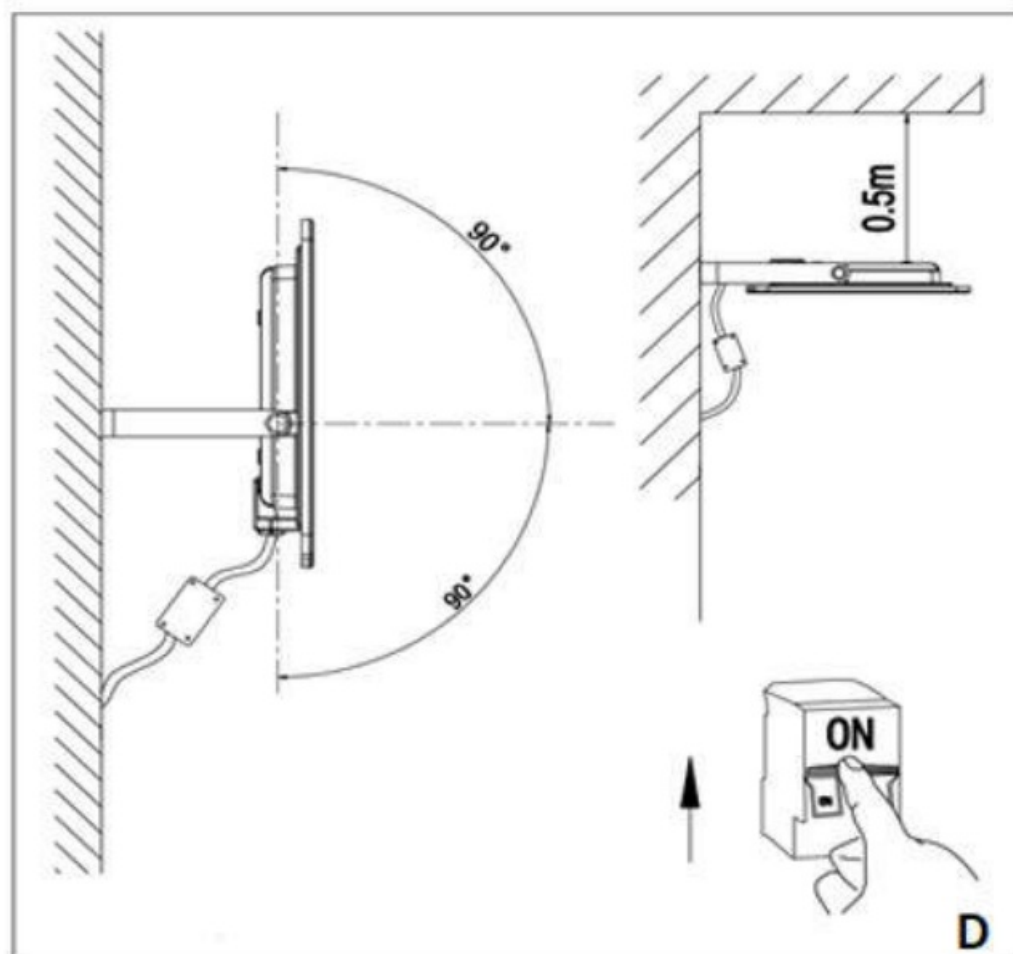
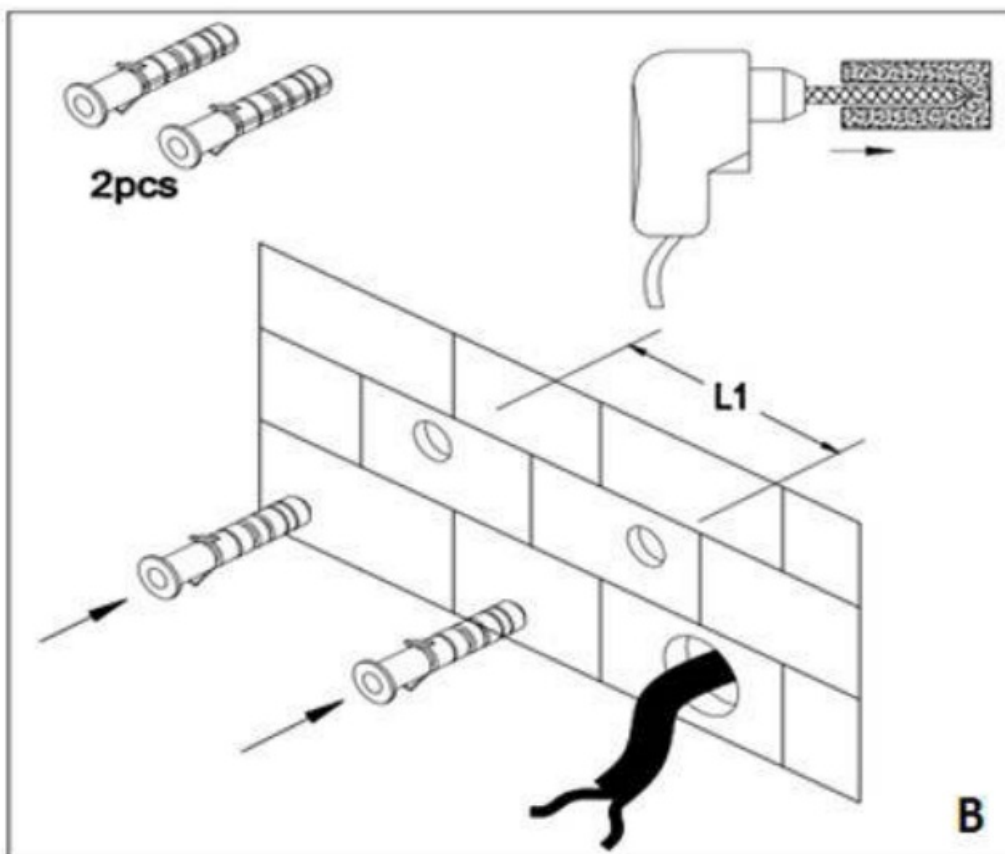
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## Figures





**CAUTION:** BEFORE USING THE POWER TOOL READ THIS MANUAL CAREFULLY AND KEEP IT FOR FUTURE REFERENCE.

## DETAILED SAFETY REGULATIONS

- Make sure the electricity is switched off before installation.
- Please read all the following instructions before installing the unit.
- If the safety shield is damaged, it must be immediately replaced with tempered glass.
- Do not use if cord is cut or damaged.
- Make sure the mains voltage in your location matches with the voltage of the device.
- Any replacement or repair should be carried out by qualified person.
- Use only when ambient temperature is between – 40°C and 50°C.
- The device heats during operation. Do not mount directly on flammable surfaces.
- The device should be placed at least 1 m from other objects.
- Do not open or dismantle the device by yourself.

## SYMBOLS EXPLANATION

1. Read the manual.
2. Product conforms to EU directives.
3. Product conforms to EAC requirements
4. Product conforms to Ukraine's quality control system requirements
5. Ingress protection class IP65
6. Replace broken glass immediately
7. Keep surfaces at least 1 m from the floodlight



1



2



3



4

IP65

5



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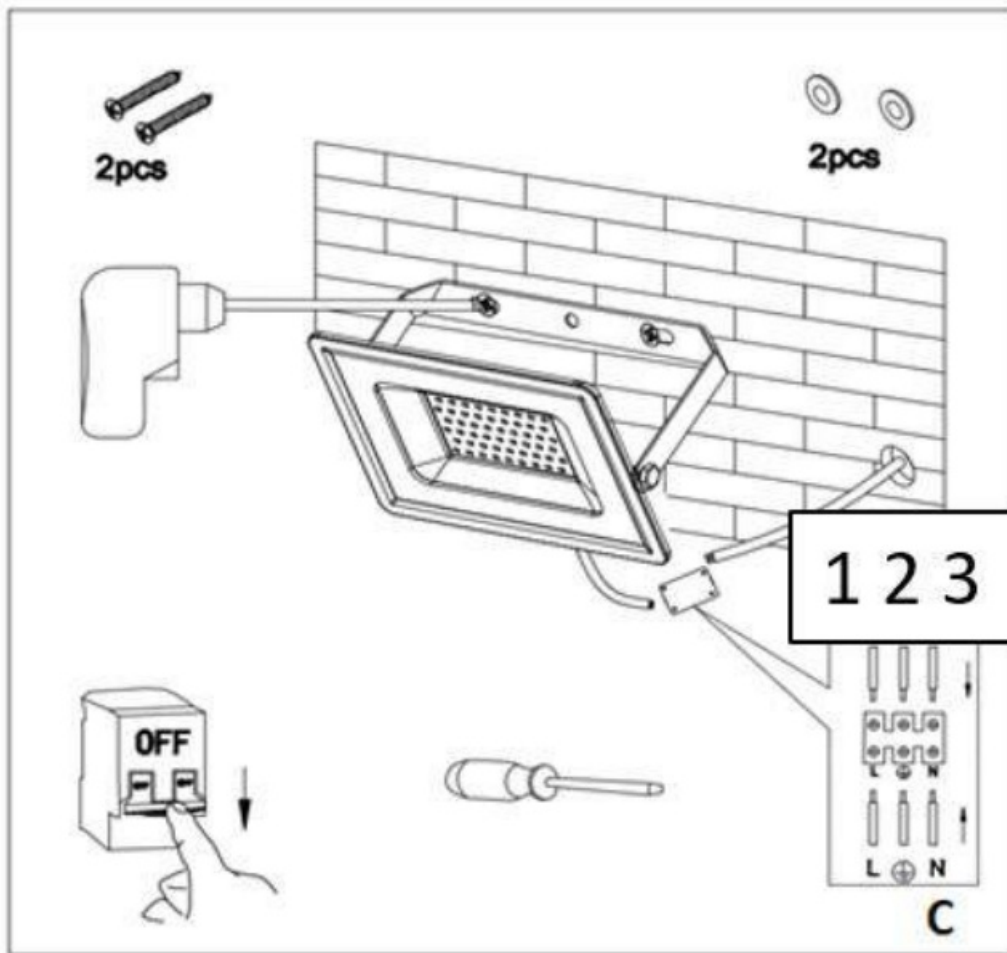


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## FIGURES EXPLANATION

**Figure C:**

1. Brown wire
2. Yellow / green wire
3. Blue wire



## INSTALLING THE FLOODLIGHT

**CAUTION!** The floodlight must be installed by qualified personnel and as shown with the diagram in **Figure C**.

Isolate the power mains before attempting to install the product. Make sure that the power cable to which the floodlight is to be wired is isolated from the mains.

Failure to comply may cause an electrocution hazard, resulting in severe injury or death!

Do not use the lamp fixture without its protective lens!

If the protective lens is damaged or broken, replace it immediately!

Do not aim the light beam towards flammable surfaces or surfaces less than 1 m below the protective lens.

Hazard of fire!

Do not attach the floodlight to a surface prone to vibrate.

## INSTALLATION PROCEDURE

- Drill the mounting holes in the wall according to the pattern and drive wall plugs into them.
- Connect the power cable (recommended type: H05RN-F3G 1.0 mm<sup>2</sup> ) through a junction box rated at least at IP65. Note the correct connection and securing of the assembly parts shown in **Figure 3**.
- Verify that the wiring connection is correct and turn on the power to make sure that the floodlight works. Adjust the beam angle to the conditions of use.

**CAUTION!** The floodlight becomes hot while turned on!

The floodlight has a cable which can be wired to a mains rated identically as shown in the table below and on the product's rating plate. Wire the floodlight so that the ingress protection (IP) rating of the wiring terminals is equal to or better than the IP rating of the floodlight as shown in the table below and on the product's rating plate.

**CAUTION! Do not attempt replace the original power cable wired to the floodlight. The power cable is wired in a way which ensures the correct IP rating. Unsealing the floodlight housing is a hazard of ingress of moisture, which may cause the floodlight and/or the mains to fail and is an electrocution hazard, which may result in injury or death. The manufacturer shall not be liable for any damage caused by unauthorized replacement of the power cable wired to the floodlight.**

## **TECHNICAL DATA**

SMD floodlight	
Parameter	Value
Product number	99-051
Rated voltage [V AC]	~230
Rated frequency [Hz]	50
Insulation class	I
IP rating	IP65
Rated power [W]	20
Operating temperature limits [°C]	-40 < T < 50
LED service life [h]	Up to 36000
Luminous flux [lm]	1600
Colour rendering index(CRI Ra)	≥ 80
Colour temperature [K]	6500
Beam angle [°]	120
Displacement factor	> 0,95
Time to preheat the lamp to 60% of full luminous flux [s]	< 0,5
On/off cycles	≥ 18000
Power cable type	H05RN-F3G1,0 mm2
Dimensions [mm]	15
Weight [g]	134x132x23
Part number	239

## ENVIRONMENT PROTECTION



Do not dispose of electrically powered products with household wastes, they should be utilized in proper plants. Obtain information on waste utilization from your seller or local authorities. Used up electric and electronic equipment contains substances active in natural environment. Unrecycled equipment constitutes a potential risk for environment and human health.

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## Declaration of Conformity

**Manufacturer:** Grupa Topex Sp. z o.o. Sp.k., Pograniczna 2/4 02-285 Warszawa

**Product:** Spotlight

**Model:** 99-051

**Trade name:** NEO TOOLS

**Serial number:** 00001 ÷ 99999

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The product described above complies with the following documents:

Low Voltage Directive 2014/35/EU

Electromagnetic Compatibility Directive 2014/30/EU

RoHS Directive 2011/65/EU as amended by Directive 2015/863/EU

Regulation (EU) 2019/2020 implementing Directive 2009/125/EC

Regulation (EU) 2019/2015

### And meets the requirements of the standards:

- 60598-2-5:2015;
- 60598-1:2015/A1:2018;
- 62031:2008+A1:2013+A2:2015; EN 62493:2015
- 55015:2013+A1:2015;
- 61547:2009;
- 61000-3-2:2014;
- 61000-3-3:2013;

This declaration relates only to the machinery as placed on the market and does not include components added by the end user or carried out by him/her subsequently

Name and address of the EU resident person authorised to prepare the technical dossier:

Signed on behalf of:

Grupa Topex Sp. z o.o. Sp.k.

2/4 Pograniczna Street

02-285 Warsaw



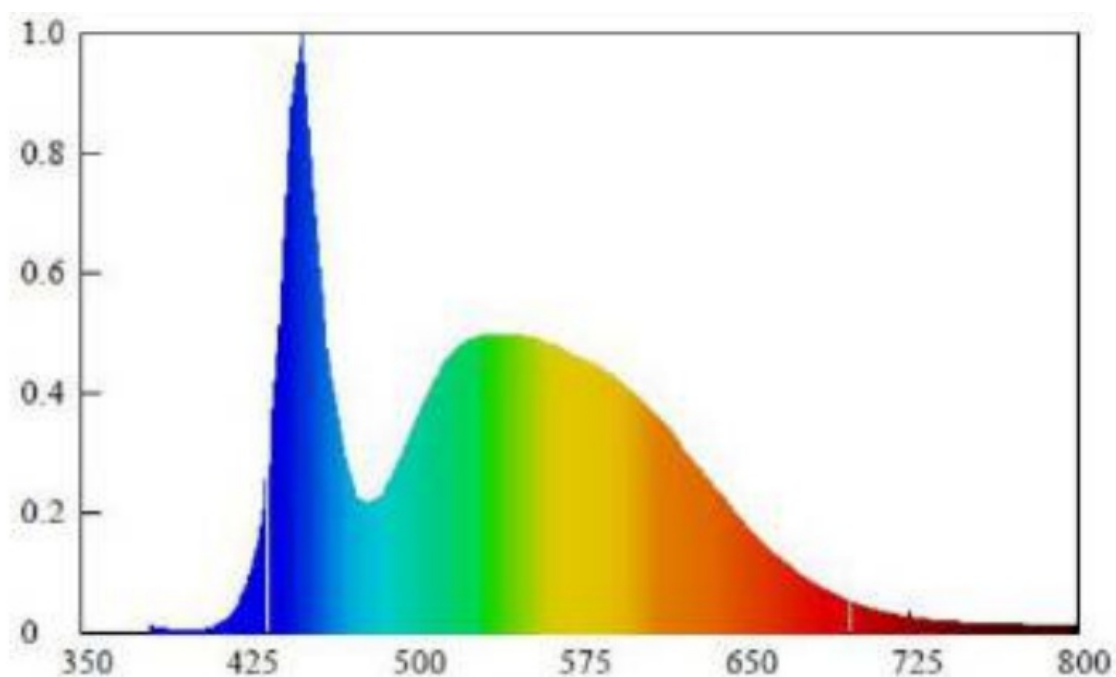
Paweł Kowalski

TOPEX GROUP Quality Officer  
Warsaw, 2022-02-01

Product information sheet			
Supplier's name or trade mark:	Grupa Topex Sp. z o.o. Sp.k.		
Supplier's address:	ul. Pograniczna 2/4, 02-285 Warsaw		
Model identifier:	99-051		
Type of light source:	LED		
Lighting technology used:	LED	Non directional or directional:	DLS
Mains or non-mains:	MLS	Connected light source (CLS):	NCLS
Colour- tunable light source:	No	Envelope:	No
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No
<b>Product parameters</b>			
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000h)	20	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°).	1600	Correlated colour temperature, rounded to the nearest 100K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set.	6500
On – mode power (Pon), expressed in W	20	Standby power (Psb), expressed in W and rounded to the second decimal	0

Networked standby power (P <sub>net</sub> ) for CLS, expressed in W and rounded to the second decimal		N/A	Colour rendering index, rounded to the nearest integer, or the range of CRI values that can be set	80
Outer dimensions without separate control gear, lighting control parts and non lighting control parts, if any (millimeter)	Height	See user manual	Spectral power distribution in the range 250 nm to 800 nm, at full- load	Shown below
	Width	See user manual		
	Depth	See user manual		
Claim of equivalent power		Yes	If yes, equivalent power (W)	200
			Chromaticity coordinates (x and y)	x=0,313, y=0,337
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)		800	Beam angle in degrees, or the range of beam angles that can be set	120
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value		>0	Survival factor	1
The lumen maintenance factor		0,97		
<b>Parameters for LED and OLED mains light sources:</b>				
Displacement factor (cos $\phi_1$ )		0,95	Colour consistency in MacAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		N/A	If yes then replacement claim (W)	N/A
Flicker metric (P <sub>st</sub> LM)		0,2	Stroboscopic effect metric (SVM)	N/A

## Spectral power distribution



# NEO TOOLS

## Documents / Resources

	<p><a href="#">NEO TOOLS 99-051 Motion Sensor Floodlight</a> [pdf] Instruction Manual 99-051 Motion Sensor Floodlight, 99-051, Motion Sensor Floodlight, Sensor Floodlight, Floodlight</p>
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## References

- [GTX Service Stacja Obsługi Narzędzi - Części zamienne, serwis, naprawa pogwarancyjna, wypożyczalnia elektronarzędzi](#)