

## S020 Fluorescent tube luminaire



### DESCRIPTION:

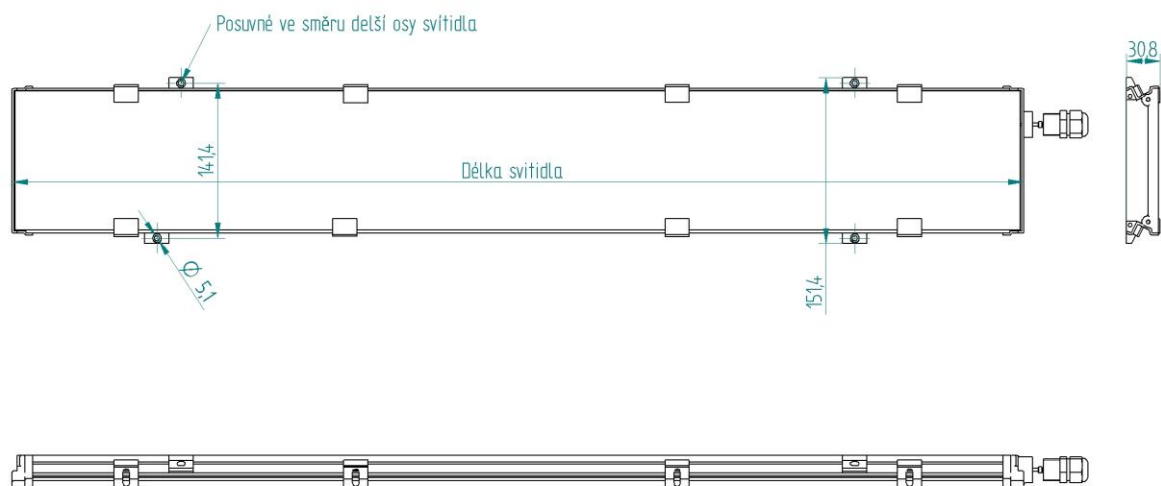
S020 fluorescent luminaires are especially suitable for even lighting of larger areas. The luminaires of the S020 series consist of an extruded aluminum profile with plastic fronts, in which two T5 fluorescent lamps, a polished aluminum reflector, and electronic ballast are placed.

The profile is sealed with a polyurethane seal that withstands all known lubricating and cutting fluids. The front of the luminaire is covered with 4 mm thick tempered glass with exceptional resistance to breakage. Both side faces of the luminaire are equipped with threads for the M20x1.5 gland, so it is possible to choose the mounting of the gland on the left (L), on the right (R), or for the through the supply (LR). The connection terminal is hidden under the gland.

Fluorescent tubes T5	Luminous flux	Consumption	Dimensions WxHxL
2 x 24 W	3800 lm	53 W	140x31x635 mm
2 x 39 W	7000 lm	87 W	140x31x935 mm
2 x 54 W	10 000 lm	120 W	140x31x1235 mm
2 x 80 W	14 000 lm	178 W	140x31x1535 mm

## TECHNICAL PARAMETERS:

- Supply voltage 230V AC +-20%
- Light source fluorescent tubes T5, standard OSRAM 840
- Fluorescent tube lifetime 20 000 h, Ballast lifetime 50 000 h
- Ingress protection IP67
- Ambient operating temperature -20 to +50°C



## ADVANTAGES:

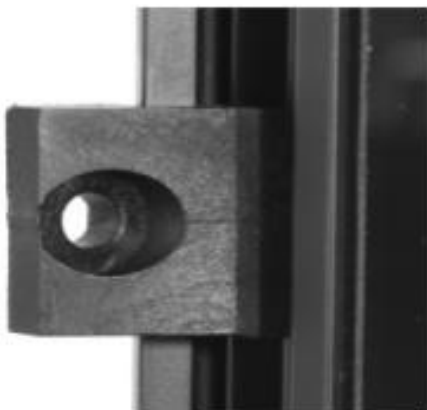
- The aluminum profile allows excellent heat dissipation, thus preventing a reduction in life and efficiency
- Low luminaire height of only 31 mm
- Connecting the luminaire to the power supply without disassembling the luminaire and breaking its tightness
- Flat glass has about 20 times higher resistance to breakage compared to the glass tube

## LUMINAIRE CONNECTION:

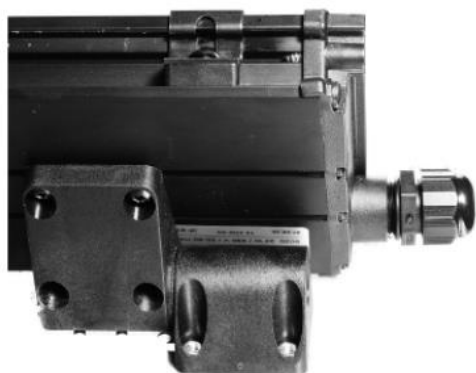


One face of the luminaire (or both faces in the case of the through power supply) is fitted with an M20x1.5 gland. The connection terminal is accessible after unscrewing the gland, sealed with an "O" ring. This makes connecting the luminaire to the power supply very quick and easy and does not require disassembly of the luminaire's sealing elements.

## LUMINAIRE INSTALLATION:



The luminaire is attached to the machine as standard with plastic clips inserted into the notch on the bottom of the luminaire. The clamps have a hole with a diameter of 5.1 mm and after mounting on the luminaire, the spacing of these holes is 142.5 mm. In the standard version, 4 pieces of these clips are included as part of the delivery.



On request, the luminaire can be equipped with two articulated joint fixtures with the possibility of rotation in the range of +10 -60 degrees.

## INSTALLATION RECOMMENDATIONS:

- 1) Mount the luminaire so that the cable gland is located at the lowest point.
- 2) The passage of the supply cable through the panel on which the luminaire is mounted should be lower than the gland of the luminaire.
- 3) If you use a cable with a metal braid, terminate the braid in front of the gland, apply a shrink tube over the end of the braid and insert only the center of the cable with the shrink tube into the gland. The metal braid would spill water into the luminaire despite the very well-tightened gland.



Gland position right (R)



Gland position left (L)

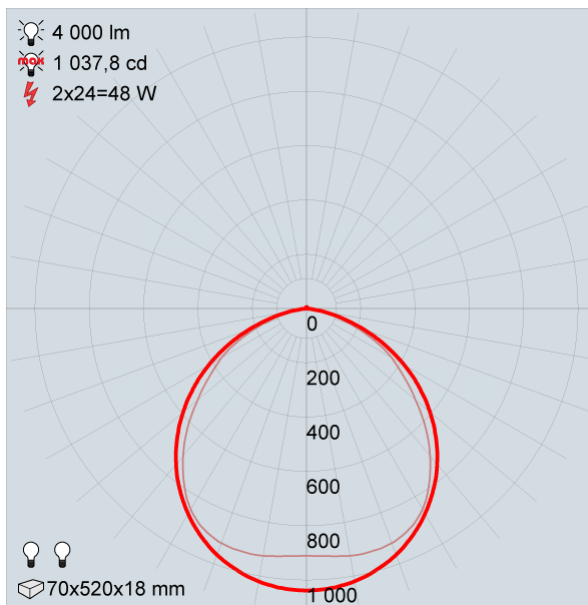


Gland position on both sides (RL) with continuous power supply

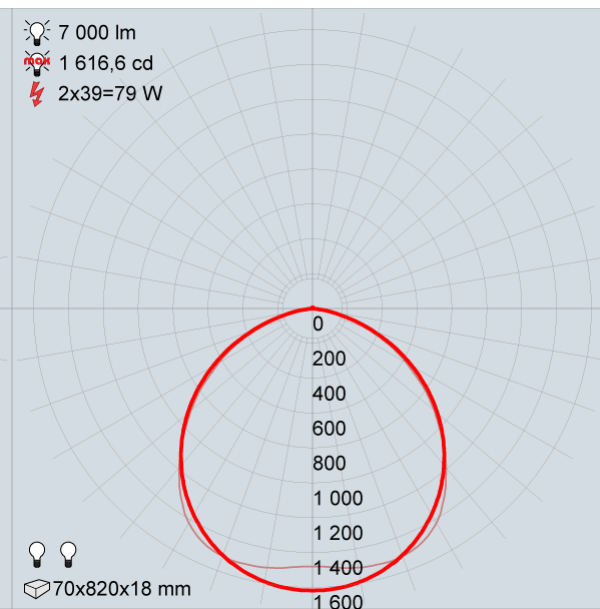
Order Code	Length	Tube	Luminous flux	Luminaire mounting	Outlet
S020 24WX2/230R*	635 mm	2x TL5 24 W	3 800 lm	Plastic clips	Cable gland right
S020 39WX2/230R*	935 mm	2x TL5 39 W	7 000 lm	Plastic clips	Cable gland right
S020 54WX2/230R*	1235 mm	2x TL5 54 W	10 000 lm	Plastic clips	Cable gland right
S020 80WX2/230R*	1535 mm	2x TL5 80 W	14 000 lm	Plastic clips	Cable gland right
S020 24WX2/230L	635 mm	2x TL5 24 W	3 800 lm	Plastic clips	Cable gland left
S020 39WX2/230L	935 mm	2x TL5 39 W	7 000 lm	Plastic clips	Cable gland left
S020 54WX2/230L	1235 mm	2x TL5 54 W	10 000 lm	Plastic clips	Cable gland left
S020 80WX2/230L	1535 mm	2x TL5 80 W	14 000 lm	Plastic clips	Cable gland left
S020 24WX2/230LR	635 mm	2x TL5 24 W	3 800 lm	Plastic clips	Cable gland left and right
S020 39WX2/230LR	935 mm	2x TL5 39 W	7 000 lm	Plastic clips	Cable gland left and right
S020 54WX2/230LR	1235 mm	2x TL5 54 W	10 000 lm	Plastic clips	Cable gland left and right
S020 80WX2/230LR	1535 mm	2x TL5 80 W	14 000 lm	Plastic clips	Cable gland left and right
S020 24WX2/230R/J	635 mm	2x TL5 24 W	3 800 lm	Plastic joint	Cable gland right
S020 39WX2/230R/J	935 mm	2x TL5 39 W	7 000 lm	Plastic joint	Cable gland right
S020 54WX2/230R/J	1235 mm	2x TL5 54 W	10 000 lm	Plastic joint	Cable gland right
S020 80WX2/230R/J	1535 mm	2x TL5 80 W	14 000 lm	Plastic joint	Cable gland right
S020 24WX2/230L/J	635 mm	2x TL5 24 W	3 800 lm	Plastic joint	Cable gland left
S020 39WX2/230L/J	935 mm	2x TL5 39 W	7 000 lm	Plastic joint	Cable gland left
S020 54WX2/230L/J	1235 mm	2x TL5 54 W	10 000 lm	Plastic joint	Cable gland left
S020 80WX2/230L/J	1535 mm	2x TL5 80 W	14 000 lm	Plastic joint	Cable gland left
S020 24WX2/230LR/J	635 mm	2x TL5 24 W	3 800 lm	Plastic joint	Cable gland left and right
S020 39WX2/230LR/J	935 mm	2x TL5 39 W	7 000 lm	Plastic joint	Cable gland left and right
S020 54WX2/230LR/J	1235 mm	2x TL5 54 W	10 000 lm	Plastic joint	Cable gland left and right
S020 80WX2/230LR/J	1535 mm	2x TL5 80 W	14 000 lm	Plastic joint	Cable gland left and right

## LUMINOSITY CURVES:

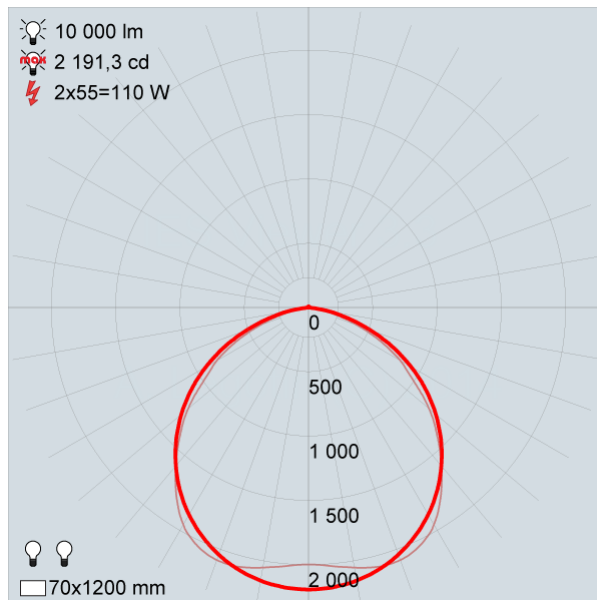
S020 2x24W



S024 2x39W



S020 2x54W



S020 2x80W

