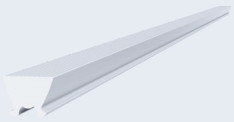
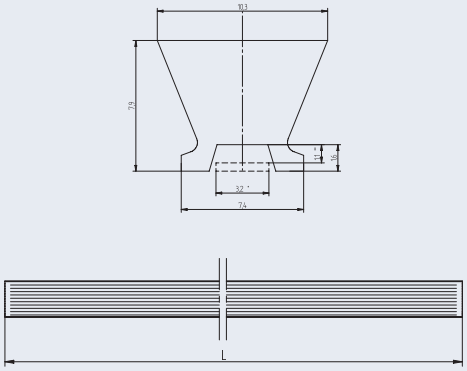
OptiLine Slim 20 - 24 mm

31.930 · 35.301 · Extrusion optics - Modular system for 20 - 24 mm wide LED modules

technology for light





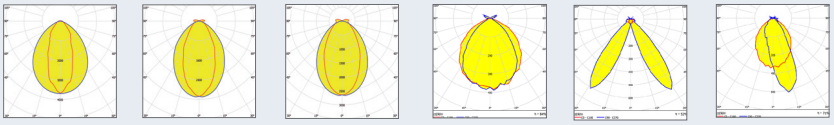
Linear extrusion optics

Material: PMMA, clear
Snap-in fixing into holder **31.930**.-34X
Optimised for LED type 2835, 3030 and 5630

- Extremely slim
- For application directly above the LED
- No additional profile for guidance required
- Standard length: 560 and 1.120 mm
- Height: 7.9 mm
- Width: 10.3 mm
- Optics provides room for thermal expansion of the LED module
- For use as primary optics in linear and area lighting applications
- Uniform light distribution

- Additional versions on request

System illustration



part no.	Length	Optical efficiency	Narrow beam (FWHM)	Medium wide (FWHM)	Medium wide (FWHM)	Wide (FWHM)	Double asymmetric	Single asymmetric
31.930.-443.85	560 mm	typical 94%	44°					
31.930.-440.85	1.120 mm	typical 94%	44°					
31.930.-444.85	560 mm	typical 93%		53°				
31.930.-441.85	1.120 mm	typical 93%		53°				
31.930.-444.89	560 mm	typical 92%			60°			
31.930.-441.89	1.120 mm	typical 92%			60°			
35.301.1011.85	560 mm					90°		
35.301.1012.85	1.120 mm					90°		
35.301.1013.85	560 mm						±30°	
35.301.1014.85	1.120 mm						±30°	
35.301.1015.85	560 mm							+15°
35.301.1016.85	1.120 mm							+15°

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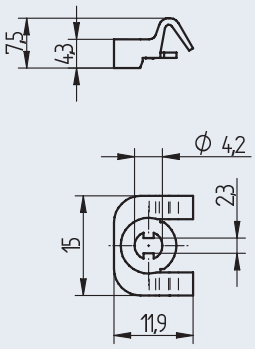


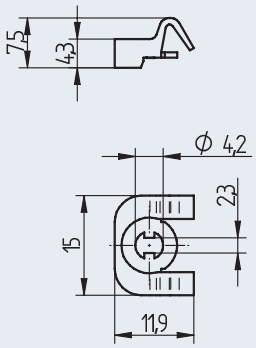
pkg.	wt.	part no.	
700	2 g	**31.930.**-342.50	white
700	2 g	**31.930.**-343.85	transparent

Holder for 20 mm wide LED modules and extrusion optics
Material: PC
Easy and quick assembly with standardised P2F (Push to Fix) **28.901**

- Easy, fast and secure optics mounting by clip in fixing from above
- Universal application - no defined hole spacing
- Integration of the optics without disturbing the light image
- Assembling of optic holder and optics in one step

Recommended number of optic holders: 7 pcs. at 560 mm length of the LED modules

Optimised for use of 1.120 mm LED modules



colour	pkg.	wt.	part no.	clamping range
white transparent	700 700	2 g 2g	**31.930.**U301.50 **31.930.**U306.85	0.3 - 0.8 mm
white transparent	700 700	2 g	**31.930.**U302.50 **31.930.**U307.85	0.8 - 1.2 mm
white transparent	700 700	2 g 2 g	**31.930.**U303.50 **31.930.**U308.85	1.6 mm

Holder with pre-assembled P2F (Push to Fix) 28.901 for 20 mm wide LED modules and extrusion optics

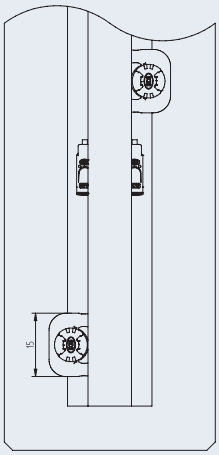
Material:
Holder: PC
P2F (Push to Fix): Metall: CrNi with silicone ring

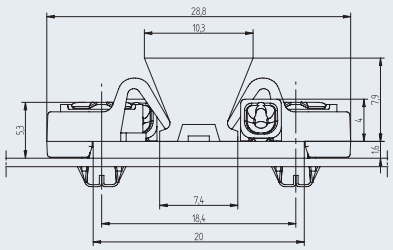
- Easy, fast and secure optics mounting by clip in fixing from above
- Universal application - no defined hole spacing
- Integration of the optics without disturbing the light image
- Assembling of optic holder and optics in one step

Recommended number of optic holders: 7 pcs. at 560 mm length of the LED modules

Optimised for use of 1.120 mm LED modules

Example of application with 20 mm LED module and P2F

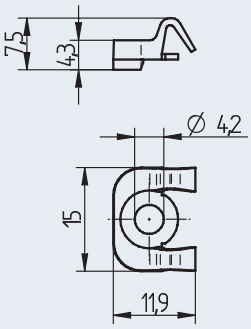




OptiLine Slim 20 - 24 mm

31.930 · Holder for extrusions optics - Modular system for 20 - 24 mm wide LED modules

technology for light



pkg.	wt.	part no.	
700	2 g	**31.930.**-344.50	white

Holder for extrusion optics and 20 mm wide LED modules

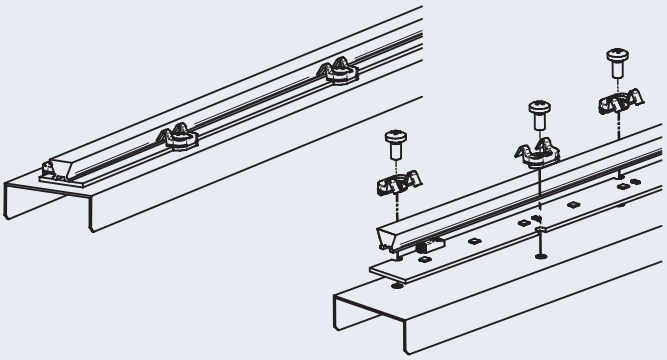
Material: PC
Easy and quick assembly with standardised screws M3

- Easy, fast and secure optics mounting by clip in fixing from above
- Universal application - no defined hole spacing
- Integration of the optics without disturbing the light image
- Assembling of optic holder and optics in one step

Recommended number of optic holders: 7 pcs. at 560 mm length of the LED modules

Optimised for use of 1.120 mm LED modules

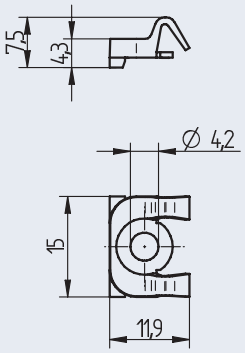
System illustration



OptiLine Slim 20 - 24 mm

31.930 · 28.901 · Holder and P2F for extrusions optics -
Modular system for 20 - 24 mm wide LED modules

technology for light



pkg.	wt.	part no	
700	2 g	**31.930.**-345.50	white

Holder for extrusion optics and 24 mm wide LED modules

Material: PC
Easy and quick assembly with P2F (Push to Fix) **28.901**
or standardised screws M3

- Easy, fast and secure optics mounting by clip in fixing from above
- Universal application - no defined hole spacing
- Integration of the optics without disturbing the light image
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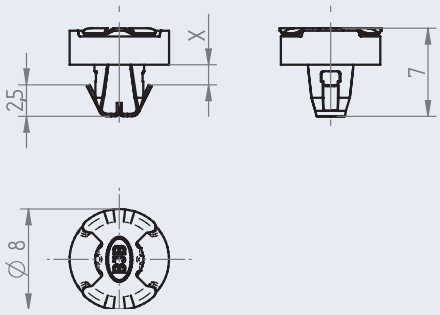
Recommended number of optic holders: 7 pcs. at 560 mm length of the LED modules

Optimised for use of 1.120 mm LED modules



Colour	pkg.	wt.	part no.	Overall thickness
grey	5000	2 g	**28.901**.U164.10	2.4 - 2.7 mm
white	5000	2 g	**28.901**.U165.10	2.7 - 3.2 mm
blue	5000	2 g	**28.901**.U166.10	3.2 - 3.6 mm

Push-to-Fix (P2F) -Fixing element

Push-in fixing for mounting LED modules and
BJB- Optic holder into a luminaire housing
Material: CrNi with silicone ring
Constant and reliable pressure by means of elastical silicone
Contact pressure: min. 10 N
Push-in fixing: for hole pattern in light fitting
ø 4.2 +/- 0.1 mm and ø 4.7 +/- 0.1 mm in PCBs

- Quick assembly process improves production efficiency and reduces production costs
- Eliminates potential damage from screw fixing due to low insertion force
- CrNi and silicone materials ensure long life reliability
- Reliable heat dissipation due to a constant pressure
- Suitable for Zhaga certified LED modules. BJB recommends to use modules with 4.7 mm fixing hole diameter
- Assembly without any additional tools possible
- Solutions for Automation upon request
- Removable from front

System illustration