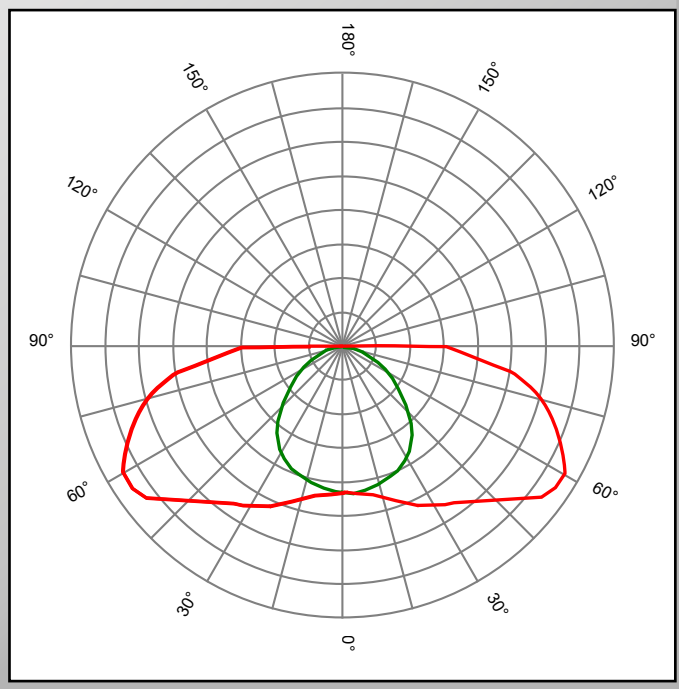
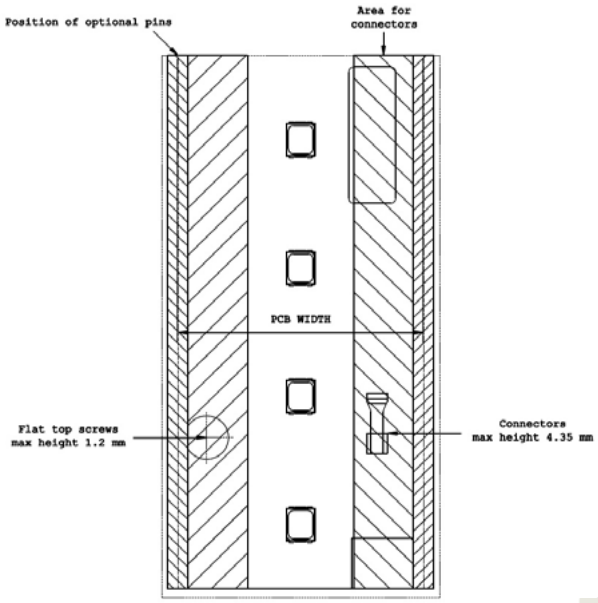
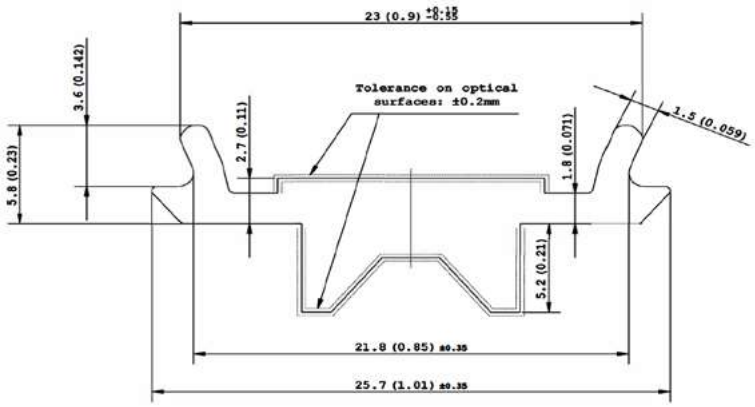
SAGIT/M1/BW/XXXX - Double Layer Batwing Beam



Dimensions	Type of fixing	Material	Beams	LED
Standard dimensions: from (1.220, 1.550, 3.050)mm x 25.70mm Free Pitch ***Length customizable**	Mechanical snap-in function	PMMA	• Full angle C0-C180 at 50% from maximum: ~ 150° • Full angle C0-C180 at 10% from maximum: ~ 180°	44 LEDs 560x24mm size, and ~ 2310 Lumen



The lens is supplied without the holder.

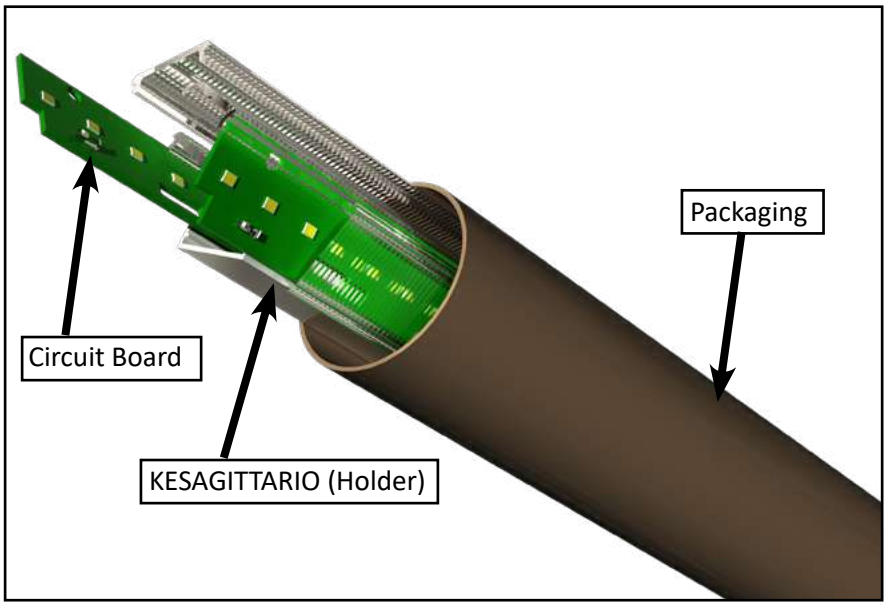


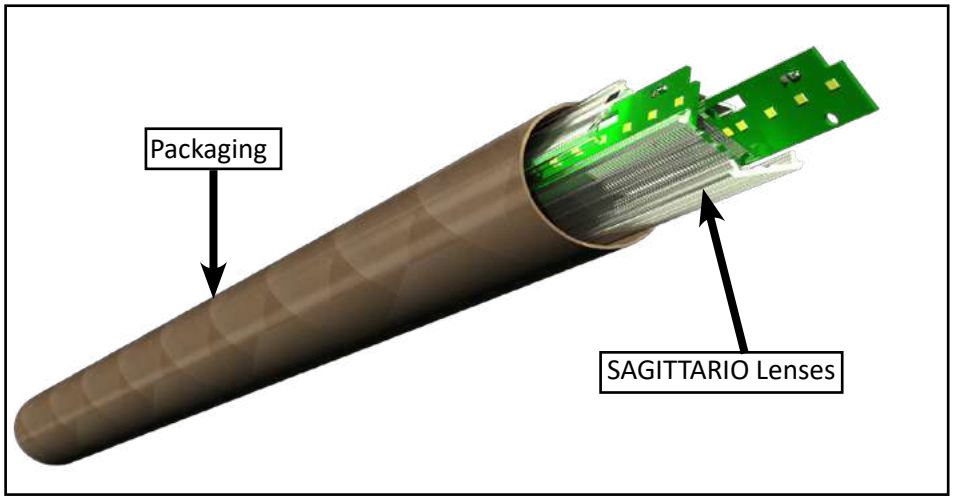
Technical Datasheet

Sample Kit - Full Kit

Sample Kit available with:

- SAGIT/M1/AX/0565 – Double asymmetric for long distances. 1 piece L= 565 mm
- SAGIT/M3/AX/0565 – Double asymmetric with high uniformity. 1 piece L= 565 mm
- SAGIT/SM/AX/0565 – Double asymmetric with soft beam. 1 piece L= 565 mm
- SAGIT/SL/AS/0565 – Single Asymmetric Wallwasher. 1 piece L= 565 mm
- SAGIT/SL/GW/0565 – Giga Wide Beam - FWHM 140° Up Light. 1 piece L= 565 mm
- SAGIT/DIF/0565 – FWHM 120° - High Efficiency Compact Diffusor. 1 piece L= 565 mm
- SAGIT/SL/MW/0565 – Mega Wide - FWHM 110°. 1 piece L= 565 mm
- SAGIT/M1/UW/0565 – Ultra Wide - FWHM 90° - 96% efficiency. 1 piece L= 565 mm
- SAGIT/SM/UW/0565 – Ultra Wide - FWHM 90° - High Uniformity. 1 piece L= 565 mm
- SAGIT/M1/W7/0565 – Wide - FWHM 70°. 1 piece L= 565 mm
- SAGIT/M3/EW/0565 – Extra Wide - FWHM 60° - Low Glare. 1 piece L= 565 mm
- SAGIT/M1/WI/0565 – Wide - FWHM 45°. 1 piece L= 565 mm
- KESAGITTARIO – Polycarbonate holder for trials. 1 piece L= 565 mm
- KFP58 – LED module with 44 pcs of SAMSUNG LM301B. 1 piece L= 560 mm
- KFP59 - LED module with 44 pcs of SAMSUNG LM281B+. 1 piece L= 560 mm

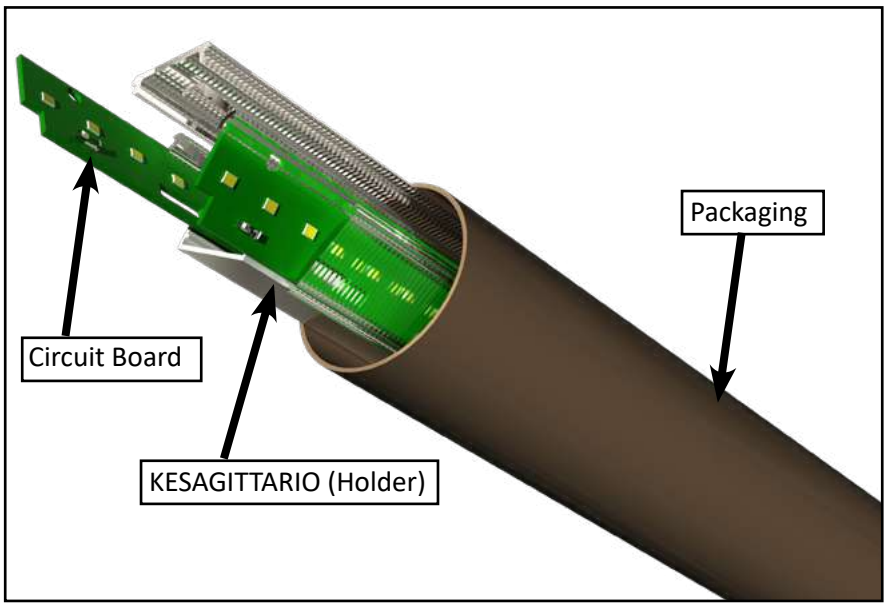


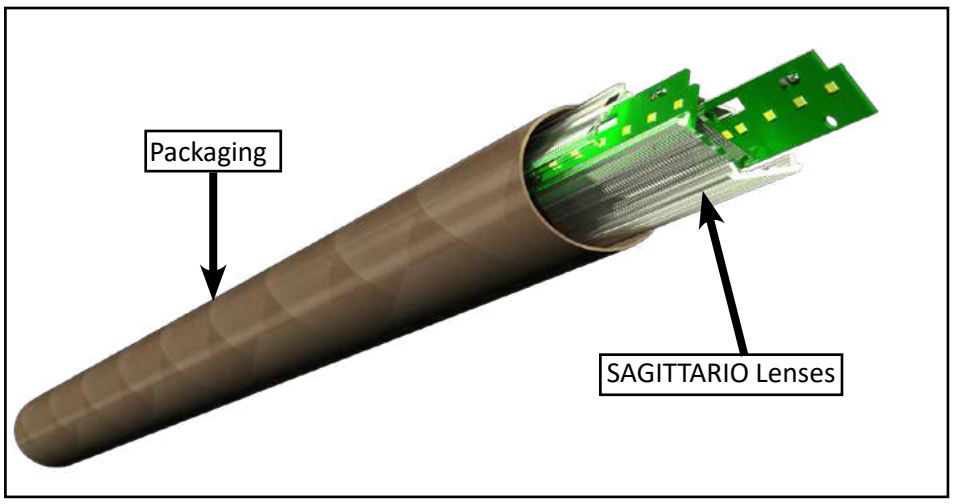


Sample Kit - Kit for Supermarket & Retail Applications

Sample Kit available with:

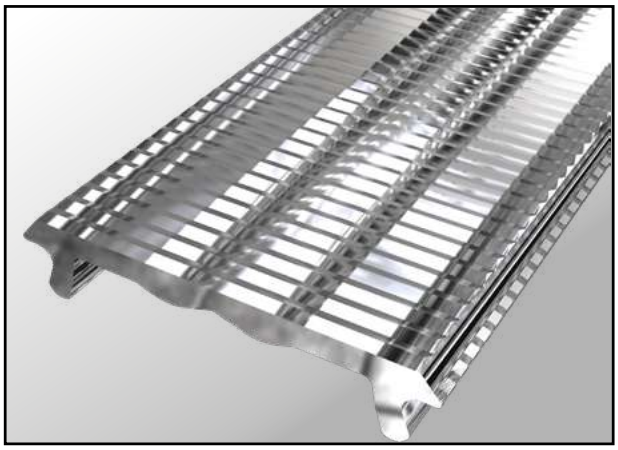
- SAGIT/M3/AX/0565 – Double asymmetric with high uniformity. 1 piece L= 565 mm
- SAGIT/SM/AX/0565 – Double asymmetric with soft beam. 1 piece L= 565 mm
- SAGIT/SL/AS/0565 – Single Asymmetric Wallwasher. 1 piece L= 565 mm
- SAGIT/SM/UW/0565 – Ultra Wide - FWHM 90° - High Uniformity. 1 piece L= 565 mm
- SAGIT/M3/EW/0565 – Extra Wide - FWHM 60° - Low Glare. 1 piece L= 565 mm
- SAGIT/M1/WI/0565 – Wide - FWHM 45°. 1 piece L= 565 mm
- KESAGITTARIO – Polycarbonate holder for trials. 1 piece L= 565 mm
- KFP58 – LED module with 44 pcs of SAMSUNG LM301B. 1 piece L= 560 mm
- KFP59 - LED module with 44 pcs of SAMSUNG LM281B+. 1 piece L= 560 mm

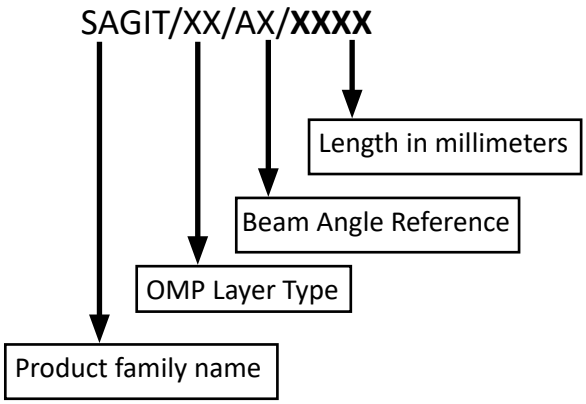


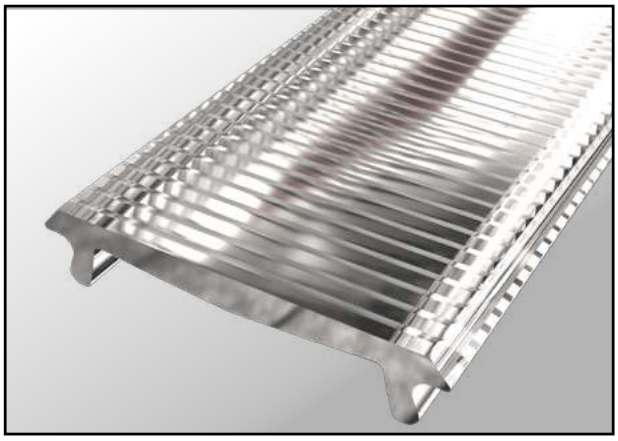


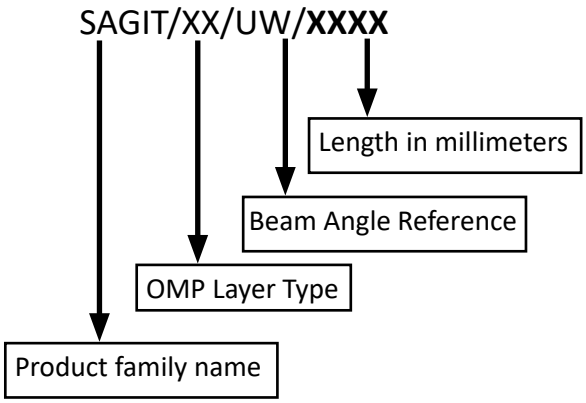
SAGITTARIO – Guidelines for product coding

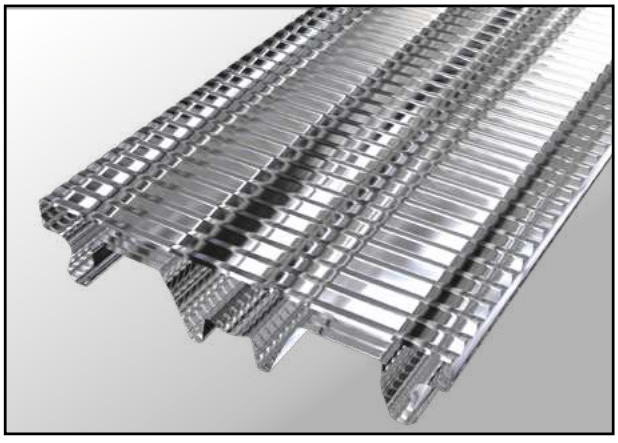
Product guidelines to choose the right lens for your application
(**Sagittario lenses lenghts are customizable**):

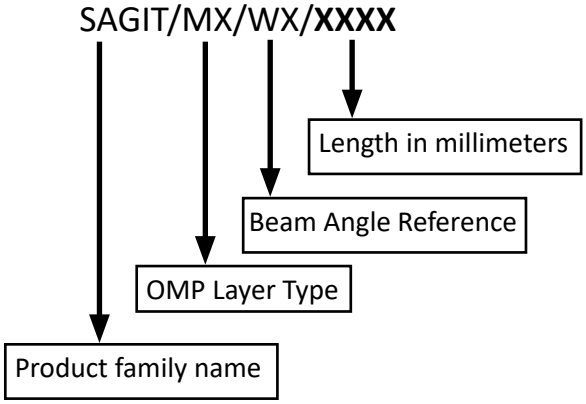


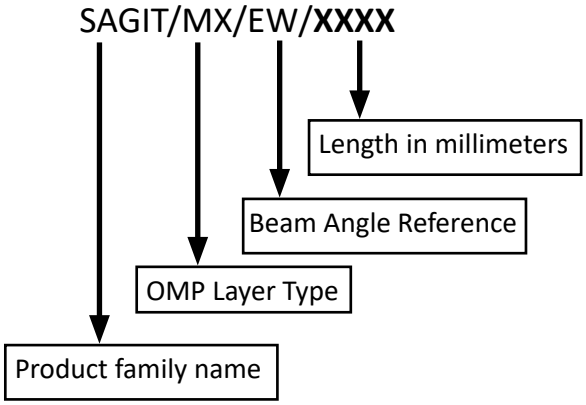




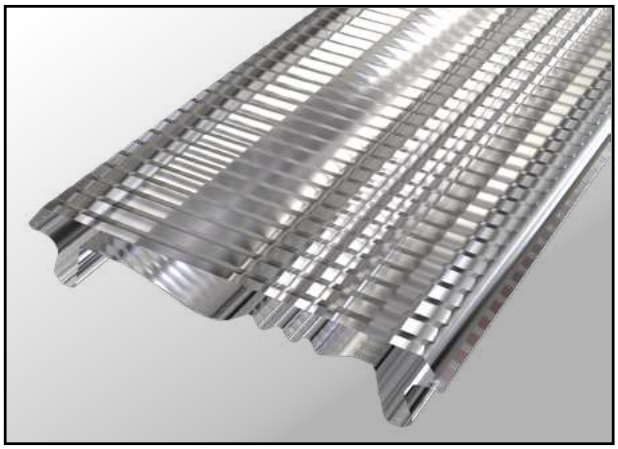






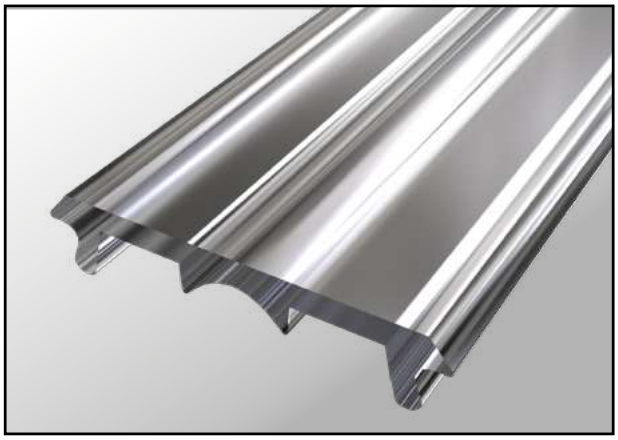


Product guidelines to choose the right lens for your application
(**Sagittario lenses lenghts are customizable**):



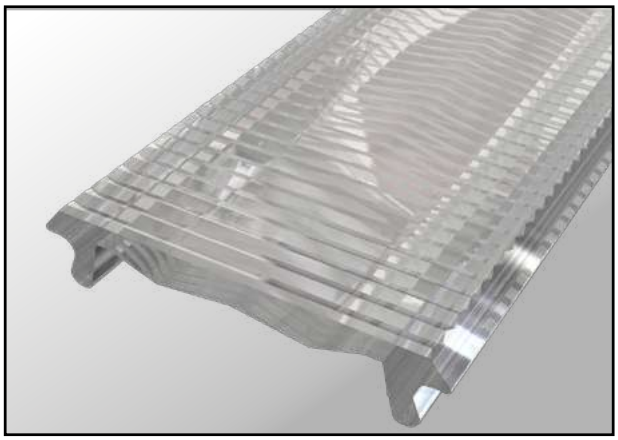
SAGIT/SL/AS/**XXXX**

- Length in millimeters
- Beam Angle Reference
- OMP Layer Type
- Product family name



SAGIT/SL/GW/**XXXX**

- Length in millimeters
- Beam Angle Reference
- OMP Layer Type
- Product family name



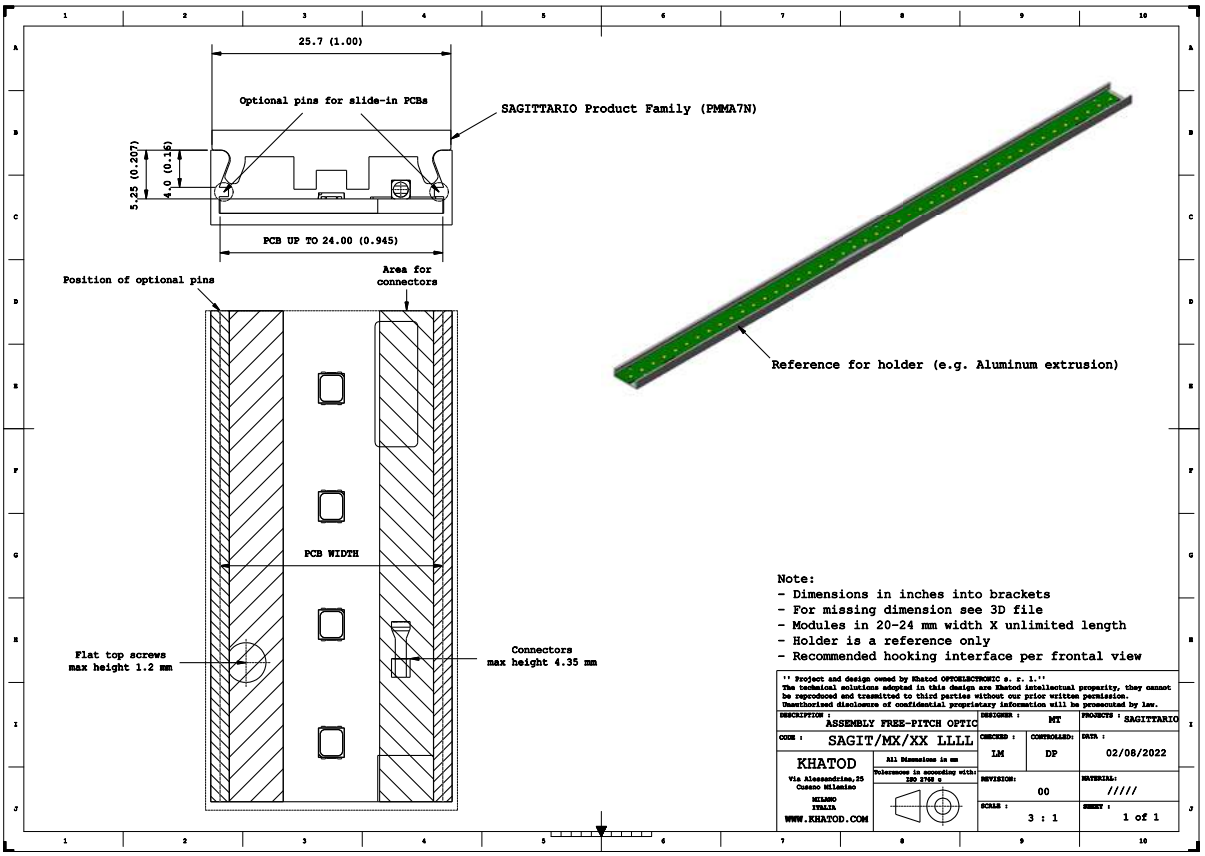
SAGIT/DIF/**XXXX**

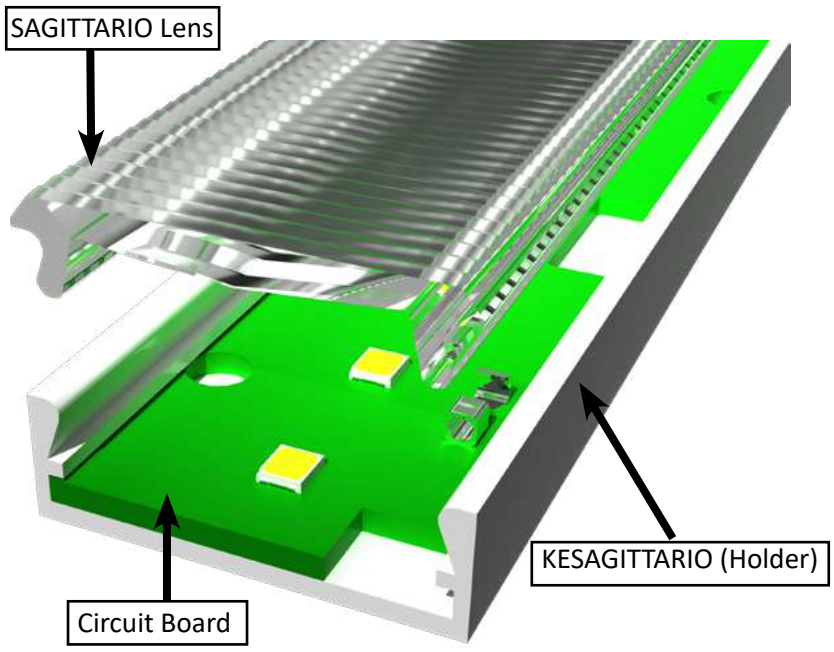
- Length in millimeters
- OMP Layer Type
- Product family name

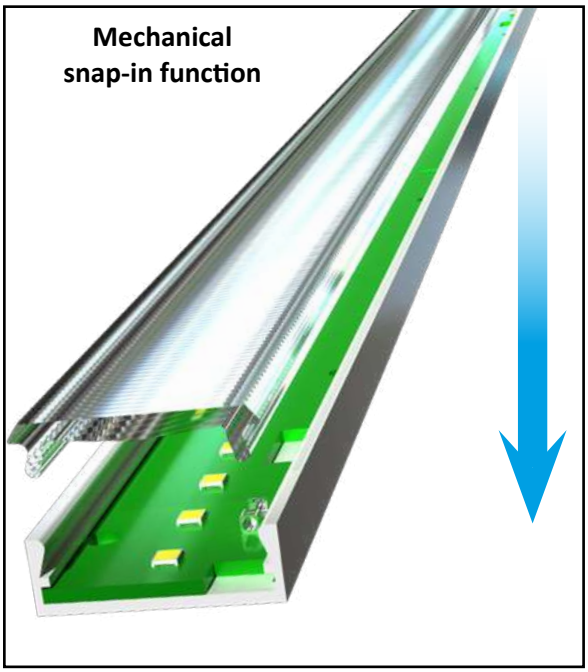
SAGIT/SL/MW/**XXXX**

- Length in millimeters
- Beam Angle Reference
- OMP Layer Type
- Product family name

Assembly Specifications







Packaging

Item	Quantity	Total Parts	Size (L*W*H)	G.W.
Plastic bag	20 pieces per plastic bag	20 pcs	-	0.371 Kg
Outer Box (version 1.220mm)	5 pocket plastic bags per Outer Box	100 pcs	130*18*9.5 cm	12.0 Kg
Outer Box (version 1.550mm)	5 pocket plastic bags per Outer Box	100 pcs	160*18*9.5 cm	15.0 Kg
Outer Box (version 3.050mm)	5 pocket plastic bags per Outer Box	100 pcs	310*18*9.5 cm	30.0 Kg

20 Lenses / Pocket plastic bag

5 pocket plastic bags per Outer Box

Materials

Material	Temperatures
PMMA	**-40° / + 90°C**
• Temperature resistance: long-term exposure	-40° / + 85°C
• Temperature resistance: short exposure	up to + 90°C

Tests

The present document is an internal document showing the tests carried out by Khatod in its laboratory.
The tests, photos and videos presented in this document are made available for demonstration purposes only. Khatod, with its laboratory, is not a certification body.
If customers need thermal and IK accredited certifications, they have to apply to the appointed Certification Bodies, under their sole care and responsibility.

Test	Link
Climatic Test	Click here
IK Test	Click here

Notes:

- The optical values shown are the result of optical simulations carried out with LIGHTOOLS, ASAP and ZEMAX software systems. The optical simulations are carried out on the basis of the typical values provided in the LED manufacturers' official datasheets. The photometric analysis has been carried out on physical samples. On request, by supplying your PCB, we can provide the measurement photometric file.

Use and Maintenance

1. DO NOT HANDLE OR INSTALL LENSES WITHOUT WEARING GLOVES, SKIN OILS MAY DAMAGE LENS OR LIGHT TRANSMISSION;
2. CLEAN LENSES WITH MILD SOAP AND WATER AND A SOFT CLOTH;
3. DO NOT USE ANY COMMERCIAL CLEANING SOLVENTS ON LENSES.

Disclaimer

Please note that flow lines and weld lines on the external surfaces of the lenses are acceptable if the optical performance of the lens is within the specifications.
Should you require further information, please contact Khatod for advice. All lens testing must be subject to identical conditions as Khatod test condition. Khatod Optoelectronic, Milan, Italy, manufactures lenses for LEDs. Any other use of the lens shall void our liability and warranty. The lenses are an inert component to be used in the manufacture of
various products. Our warranty and liability are limited only to the manufacture of the lens. You may not modify, copy, distribute reproduce, license or alter the lens and related materials of Khatod. Khatod does not warrant against damages or defects arising out of the use or misuse of the products; against defects or damage arising from improper installation, or against defects in the product or in its components. No warranty of any kind, expressed or implied, is made regarding the safety of the products. The entire risk as to the quality or performance of the product is with the buyer. In no event
shall Khatod be liable for any direct, indirect, punitive, incidental, special, consequential damages, or any damages whatsoever arising out of or connected with the use or misuse of the product. Khatod shall not have any obligation with respect to the product or any part thereof, whether based on contract, tort, strict liability or otherwise. Buyer assumes all risks and liability from use of the product. The laws of Milan, Italy govern this product warranty and liability and you hereby consent to the exclusive jurisdiction and venue of courts in Milan, Italy in all disputes arising out of or relating to the use of this product. Production, marketing, distribution, sale of these products as well as their possible modifications and variations are only exclusive right of Khatod Optoelectronic. No company can perform any of these actions without written permission released by Khatod Optoelectronic. The information contained in this document is proprietary of Khatod Optoelectronic and may change without notice.
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