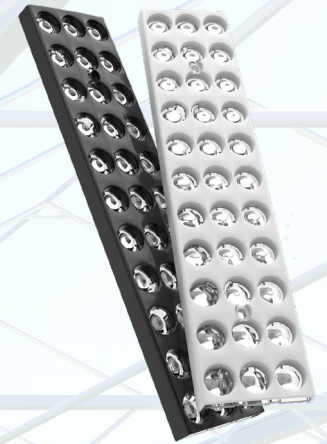




carclo
Optics



2022 - 2023
CATALOGUE



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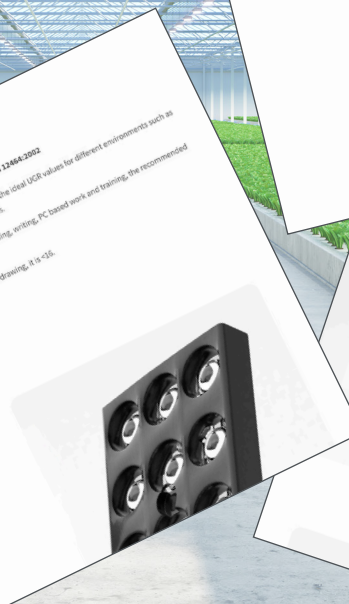
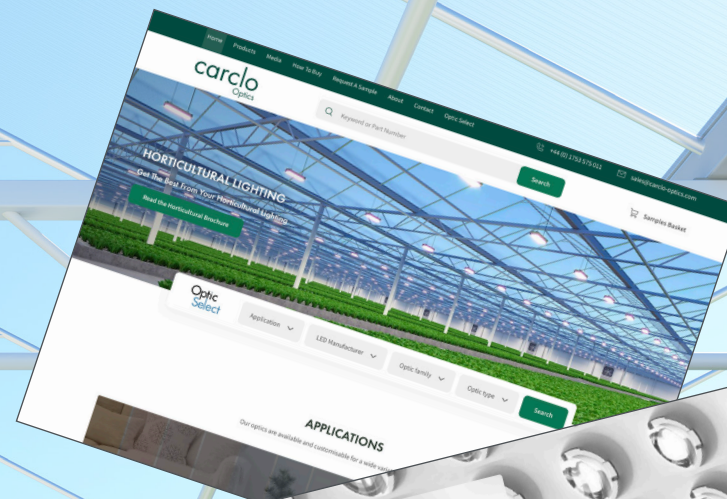
Carclo Optics offer a wide array of secondary lenses suitable for numerous applications within the lighting industry. From well established sectors, such as retail and office lighting, to emerging future giants such as horticultural and human centric, we cater for all projects whatever the requirements.

We present a selection of the available product ranges over the next few pages - organised for your convenience by application and product type.

For the entire range, please visit our online search engine Optic Select at www.carclo-optics.com where you can search by application, part number or optical specifications.

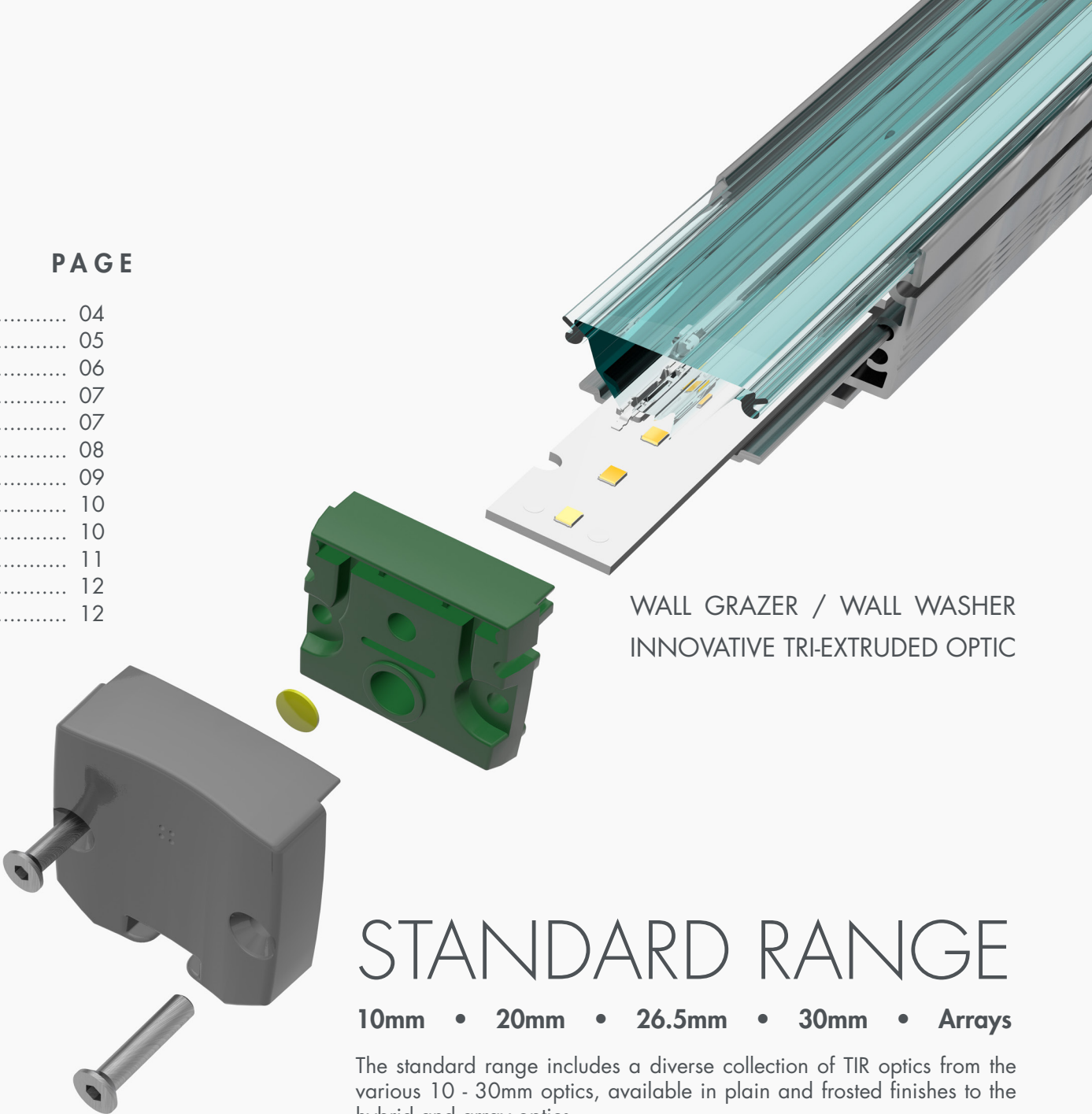
The website offers comprehensive results for all our optics tested with the leading LEDs, data sheets, case studies, detailed product information and more.

Whist there, sign up to our mailing list to stay informed about future product releases and lighting technology news.



Optic
Select

APPLICATIONS	PAGE
HUMAN CENTRIC	04
HORTICULTURAL	05
LANDSCAPE & GARDEN	06
NEW - WALL WASHING	07
NEW - WALL GRAZING	07
RETAIL	08
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UV-C	10
STREET	10
ARCHITECTURAL	11
WIDE AREA	12
INDUSTRIAL	12



STANDARD RANGE

10mm • 20mm • 26.5mm • 30mm • Arrays

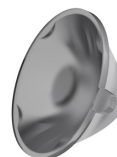
The standard range includes a diverse collection of TIR optics from the various 10 - 30mm optics, available in plain and frosted finishes to the hybrid and array optics.

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HUMAN CENTRIC LIGHTING



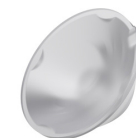
60147 BAFFLE - **NEW**



10138



10139



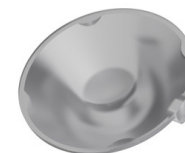
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10108



10124



10260



10757



10758



10759



Optic
Select

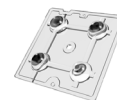
carclo
Optics

APPLICATIONS

HORTICULTURAL LIGHTING



12813



12814



12815



12816



12817



12818



12779



12781



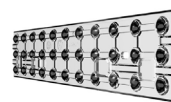
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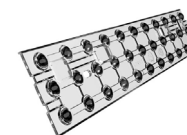
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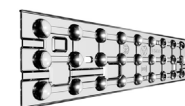
60160
NEW



12917



12924



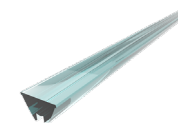
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10397



10398



12667

APPLICATIONS

LANDSCAPE & GARDEN



10772



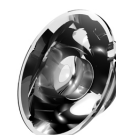
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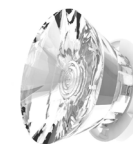
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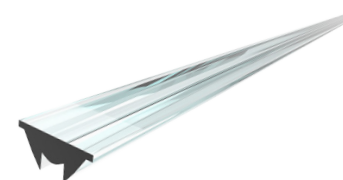
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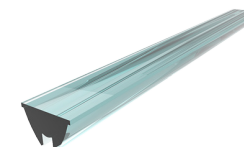
10755



60037



10397



12750



60148 - 20mm
WIDE - **NEW**



NEW
WALL GRAZER / WALL WASHER
60152 / 60153

© 2021 Light Visuals. Image courtesy of Neil Parslow.

WALL WASHING - 60153

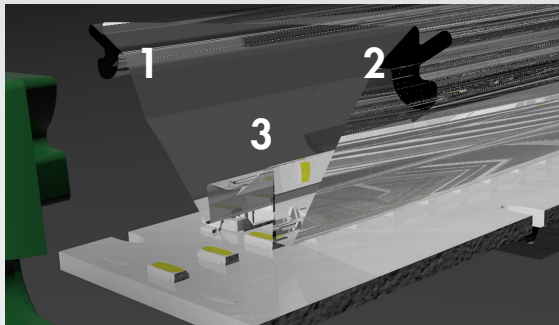
The term wall washing describes the lighting technique used to evenly illuminate a wall vertically and horizontally by mounting luminaires close to the wall.

When set up correctly, the lighting can provide spacial illusions making a room seem larger than it actually is by concealing the surface imperfections and minimising or removing shadows.

Asymmetric and symmetric collimated light beams are used to 'wash' over a selected portion of the wall, or illuminate a particular wall mounted object.

The Wall Washer from Carclo offers a 30 degree asymmetric beam angle and has been designed specifically for this purpose.

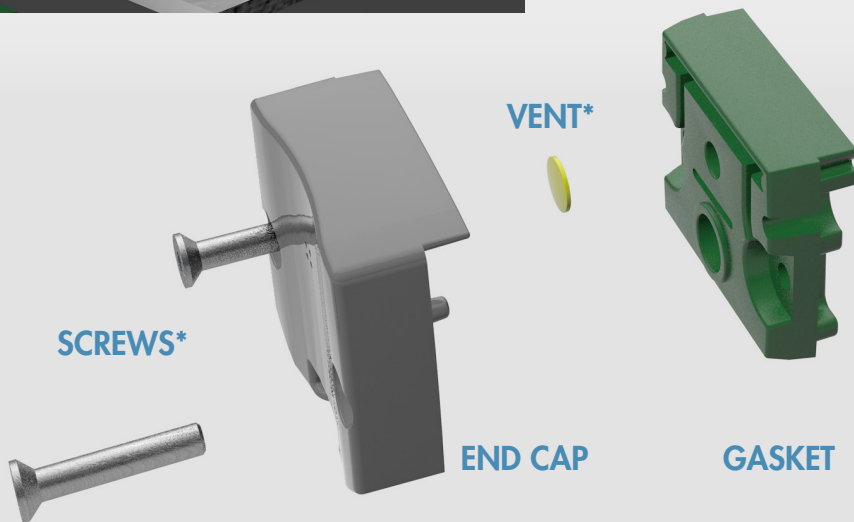
INNOVATIVE TRI-EXTRUSION TIR STRIP OPTIC



1. DIFFUSION LAYER

2. IP65 SEALING STRIPS

3. TIR STRIP OPTIC



www.carclo-optics.com

WALL GRAZING - 60152

Wall grazing is the term applied to the technique of enhancing the textures of the illuminated surface. When designed properly, the light 'skims' or 'grazes' the focus area revealing the subtle textures and bringing out the beauty of materials such as stone, wood, mosaic work, fabrics and etched glass etc.

The narrow beam angle (20 Degrees) offered by the innovative Carclo Wall Grazer is perfect for highlighting these attractive qualities.

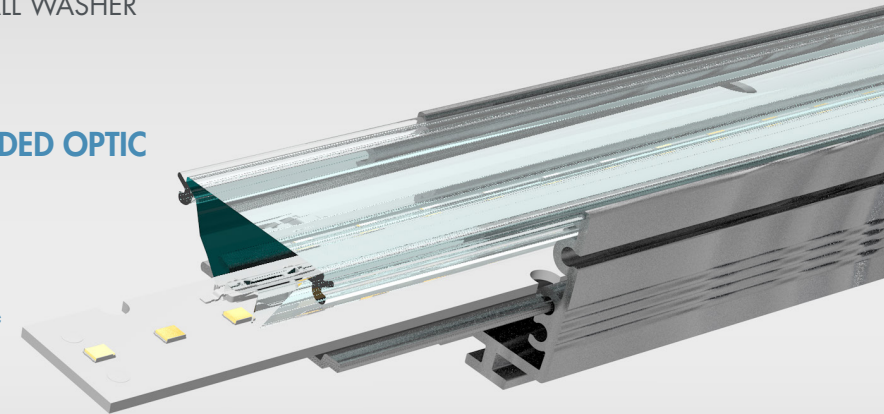
The new Wall Washer and Wall Grazer from Carclo Optics, have been created using an innovative Tri-Extrusion method in which 3 materials are simultaneously extruded resulting in a single optic.

60152 - WALL GRAZER

60153 - WALL WASHER

TRI-EXTRUDED OPTIC

LED STRIP*



PCB SHELF

ALUMINIUM HOUSING

The TIR strip optic, is made from clear, UV stabilised polycarbonate with a co-extruded diffusion layer giving a smooth light distribution free of artefacts with optimised CoA (colour over angle) control and transmission efficiency. There are 2 TPE flexible sealing strips flanking the optic and, as with the other two materials included in the extrusion, these are also UV resistant.

The aluminium outer housing is anodised to 25 microns and meets Standard ISO7599:2018.

SPECIFICATIONS:

IP RATING: IP65
Suitable for low pressure wash down

TIR Tri-Extruded Optics:

Wall Grazer - Symmetric
Wall Washer - Asymmetric
Clear, UV stabilised polycarbonate
0.5mm high transmission diffusion layer

Aluminium Housing

Meets Standard ISO7599:2018
(Architectural Anodising) AA25 Clear
25 micron minimum average thickness

APPLICATIONS

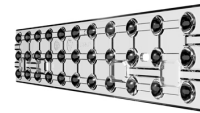
Architectural Lighting
Landscape Lighting
Garden Lighting

* Customer Supplied Parts

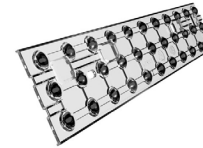
Carclo Optics Standard Range 2022-23

APPLICATIONS

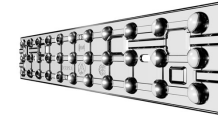
RETAIL LIGHTING



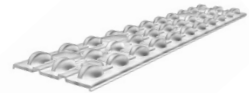
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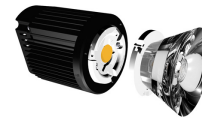
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12927



60093



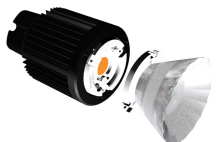
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60029



60030



60031



12527



10170



12568



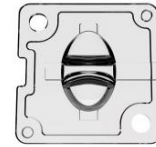
60147 Baffle - NEW



60148
WIDE - NEW
20mm

APPLICATIONS

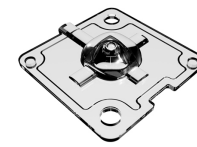
EMERGENCY LIGHTING



12763



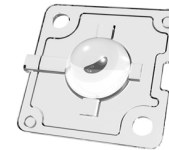
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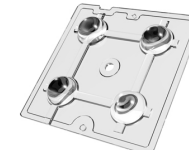
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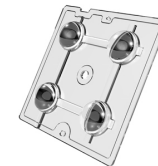
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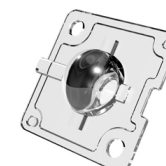
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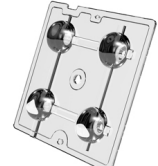
12815



12816



12817



12818

APPLICATIONS

UV-C LIGHTING



12530

PART NUMBERS: 12530
Dimensions: 17.0mm
Optic Type: Reflector
Beam Type: Medium Spot
Finish: Diffuse



12527

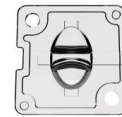
PART NUMBERS: 12527
Dimensions: 17.0mm
Optic Type: Reflector
Beam Type: Wide Spot
Finish: Diffuse

APPLICATIONS

STREET LIGHTING

MINI HUBBLES

The Mini Hubble range of Free Form Optics are available in single and array configurations. There is now a free form optic to suit your requirements, whatever they may be. The range conforms to numerous standards including US Type I - V and European ME.



12763



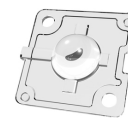
12765



12768



12769



12771



12774



12781



12782

APPLICATIONS

ARCHITECTURAL LIGHTING



10412



10507



10610



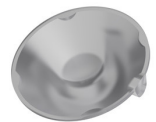
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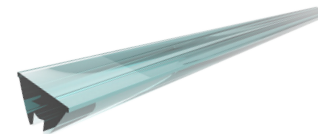
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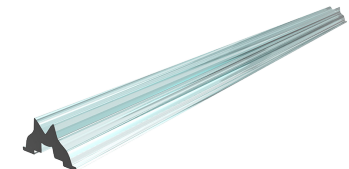
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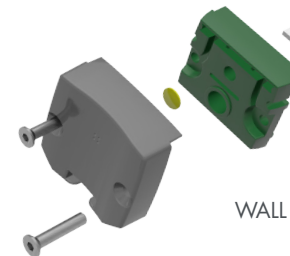
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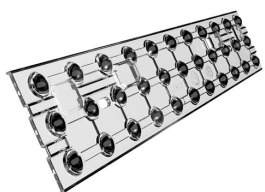
NEW

WALL GRAZER / WALL WASHER

60152 / 60153

APPLICATIONS

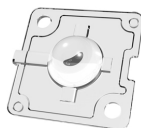
WIDE AREA LIGHTING



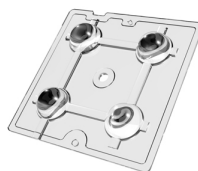
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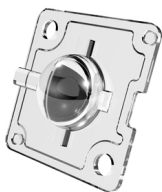
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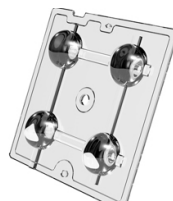
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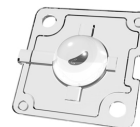
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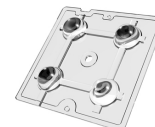
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APPLICATIONS

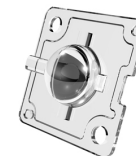
INDUSTRIAL



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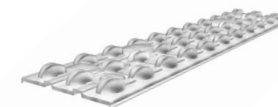
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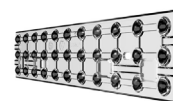
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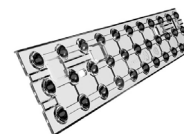
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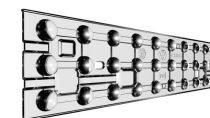
60160 - **NEW**
ULTRA WIDE



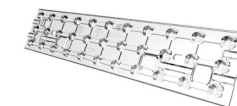
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12924



12927



12954

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