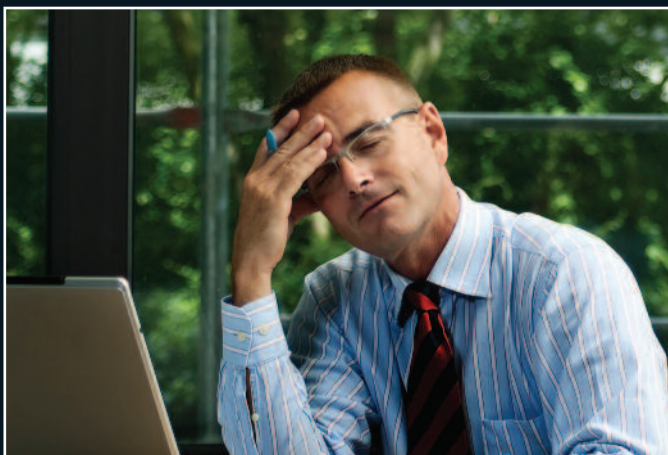
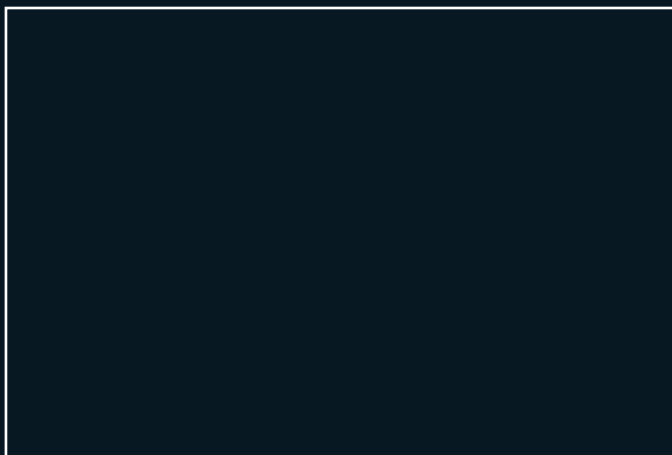
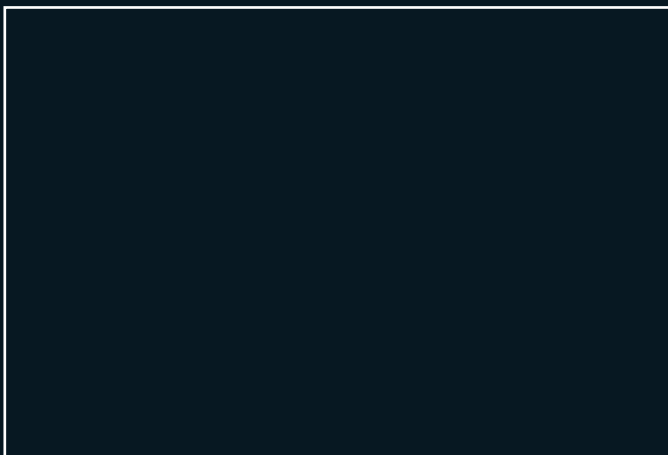
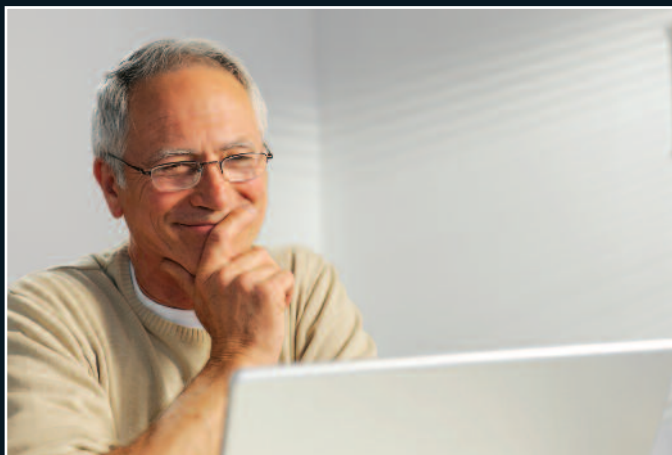
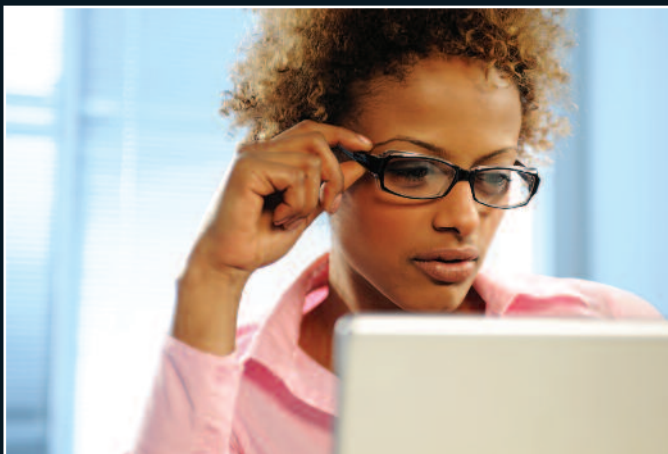


**Visionary lenses
for the computer
generation**



VARILUX[®]
Computer[™]

In Europe, over 60% of 40 to 60 year olds now use computers at work and at home



MARKET

EYE STRAIN

COMFORT

ERGONOMICS

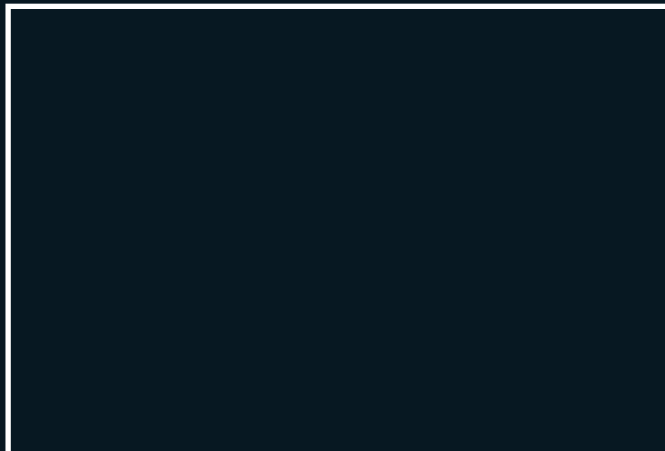
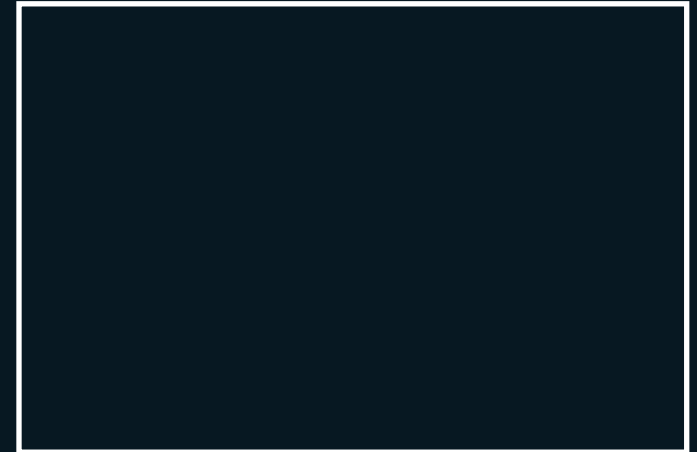
PROTECTION

TECHNICAL SPEC

Computers have become an indispensable tool with most people spending several hours a day in front of a screen.

The results are only to be expected: blurred vision, headaches, dry eyes and light sensitivity. Over 75% of computer users report these symptoms. At around the age of 40 they become aggravated by the normal decrease in visual acuity and accommodation capacity.

Varilux Computer is designed specifically for the computer vision of presbyopes.



A computer generated problem

On a computer screen, the edges and shapes of characters are not as well defined as they are on paper. Each line comprises a large number of points or pixels, of varying brightness and contrast. The eye has to reconstruct the outlines.

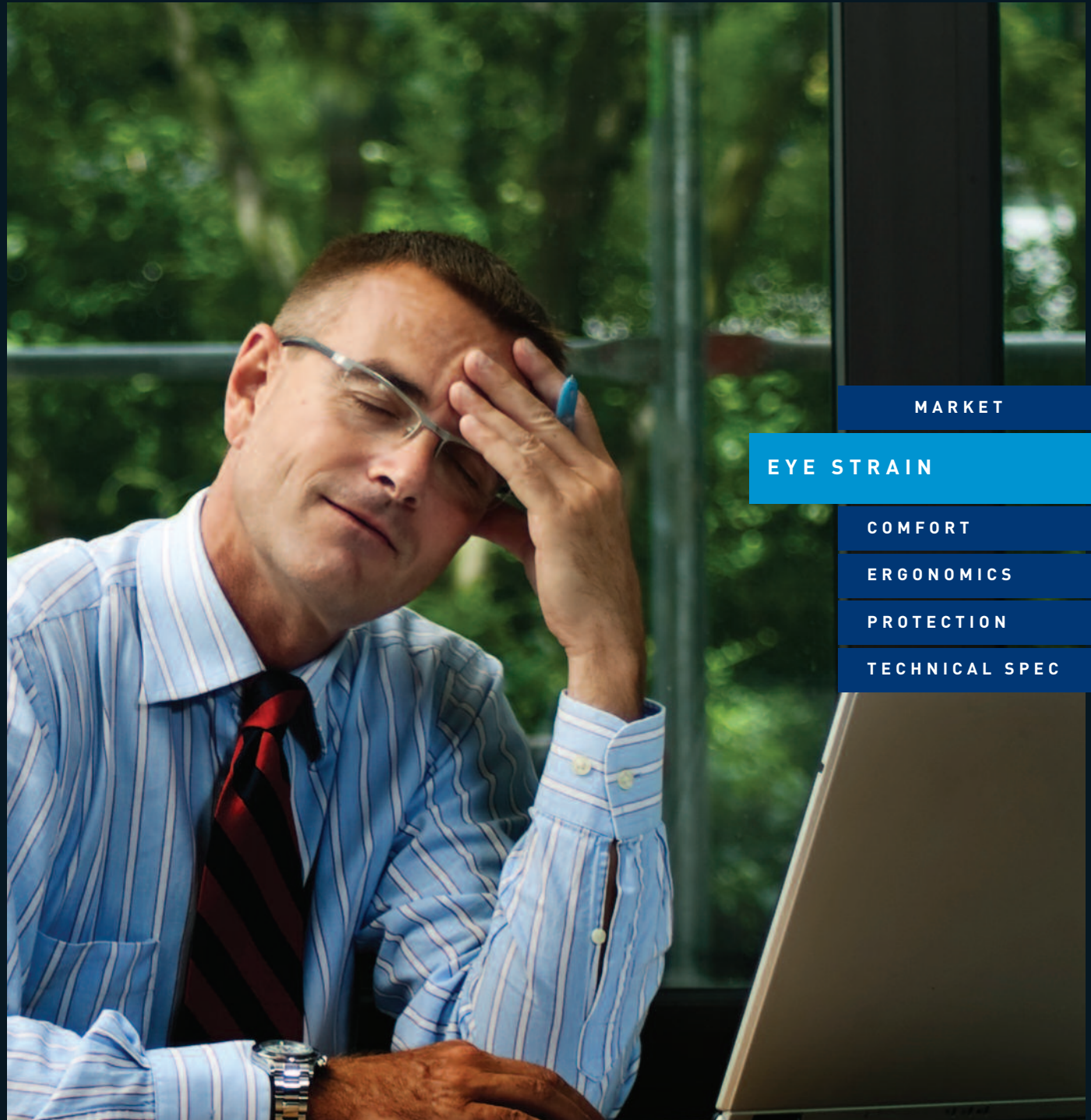
Maintaining focus requires constant effort as the natural point of accommodation is located beyond the screen. They blink less in an effort to decrease successive refocusing after each blink. The eyes become dry and irritated. There are repeated shifts from keyboard to monitor...as many as 3,600 eye movements an hour!

A B C

SCREEN - THE EYES MUST RECONSTRUCT OUTLINES

ABC

PAPER - THE EDGES ARE WELL DEFINED



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TECHNICAL SPEC

Varilux Computer™

It takes two

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TECHNICAL SPEC

Careful observation of computer users has identified two profiles which place different demands on the eyes. There are therefore two lenses in the range: Varilux Computer™ 2V and Varilux Computer™ 3V.

Both versions provide wearers with extra wide areas of clear vision for the screen and keyboard.



VARILUX COMPUTER™ 2V

This kind of user often works alone concentrating on the screen for long periods. The work may be painstaking involving tables and graphics that demand sharp vision.

There are often repeated eye movements from document to screen and there can be intense focusing on the screen itself. In this case visual and postural ergonomics are very important.

Varilux Computer™ 2V gives full coverage of both keyboard and screen. It allows for intense, prolonged viewing of the screen. A good solution for wearers who would not normally wear a distance correction.

VARILUX COMPUTER™ 3V

This type of user interacts frequently with their environment and other people, regularly shifting from computer vision to semi-distance vision. He or she may work in an open plan office, at a reception counter or in a conference room, attending meetings or making presentations. There are repeated shifts from screen to people around them.

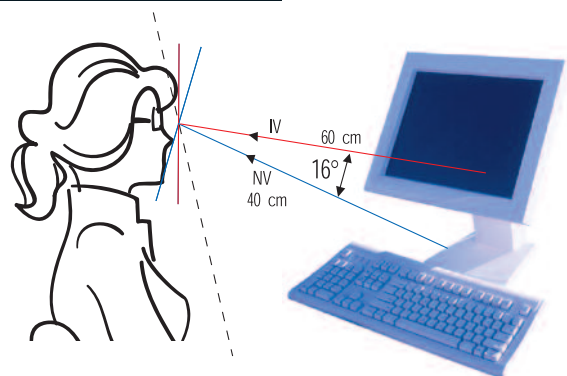
Varilux Computer™

A real innovation

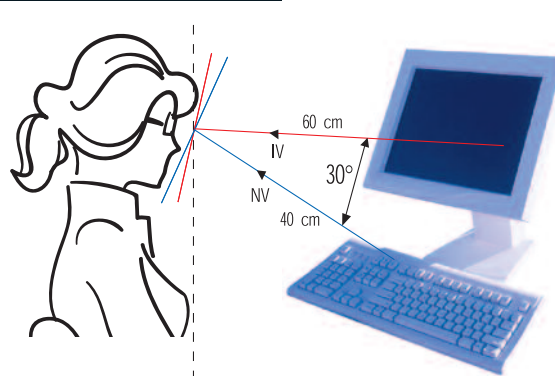
The Varilux Computer™ range was designed under real conditions, with close observations of computer use. The two designs offer unparalleled viewing performance.

Both allow for natural head posture with a 30 degree angle between the positions for viewing keyboard and screen.

Both lens designs optimise the areas of clear vision for the screen and keyboard, making them particularly easy to use.



STANDARD PROGRESSIVE: UNNATURAL HEAD POSITION



VARILUX COMPUTER™: ERGONOMIC POSTURE

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Varilux Computer™

A clear winner

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Offer your patients the best protection by recommending Crizal® Previncia on all Varilux Computer™ lenses.

Crizal® Previncia prevents premature eye aging by selectively filtering out harmful light while preserving your patients overall well being.

Crizal® Previncia provides optimal vision and durable transparency by offering the best protection against reflections, scratches, smudges, dust and water.

ORMA® 1.5	CRIZAL PREVENCIA	CRIZAL FORTE UV	CRIZAL ALIZÉ UV	CRIZAL EASY UV	SUPRA	ESSILOR TINTS
VARILUX COMPUTER™ 2V	●	●	●	●	●	GREY 0 (82% TRANSMISSION)
VARILUX COMPUTER™ 3V	●	●	●	●	●	GREY 0 (82% TRANSMISSION)
ORMIX® 1.6	CRIZAL PREVENCIA	CRIZAL FORTE UV	CRIZAL ALIZÉ UV	CRIZAL EASY UV	SUPRA	ESSILOR TINTS
VARILUX COMPUTER™ 3V	●	●	●	●	●	GREY 0 (82% TRANSMISSION)

Varilux Computer™

How to dispense



Once you have identified which design best suits your patient, please make sure you follow these dispensing requirements, whether the patient is best suited to Varilux Computer™ 2V or 3V.

Frame Suitability

Minimum Depth - The frame should have a minimum overall depth (B measurement) of 30mm.

Fitting - As with all Varilux® lenses for ideal performance the frame should be fitted on the patient with a:

- Vertex Distance: 12 - 14mm
- Pantoscopic angle: 7° - 15°

It is advisable to ensure that, in a distance viewing position the patient views on or above the frame HCL (i.e. the frame does not sit too high on the patient's face).

Centration

Varilux Computer™ 2V: Pupillary Distance (PD)

Take the patients monocular near PD.

Varilux Computer™ 3V: Pupillary Distance (PD)

Take the patients monocular distance PD.

Fitting Heights

Varilux Computer™ 2V: For ease of dispensing, Varilux Computer™ 2V has been developed to be fitted on the horizontal centre line (aka datum) of the frame; therefore no height measurement is required.

Varilux Computer™ 3V: Please provide fitting heights, (Fit on pupil centre).

Ordering

Varilux Computer™ 2V: Full near Prescription + Near Mono PD.

Varilux Computer™ 3V: Full distance Prescription + Reading Addition + Distance Mono PD + Heights.

Please note that lenses should be checked using the near prescription.

Glazing

Varilux Computer™ 2V: Horizontal - Align the mounting reference dot with the patient near mono PD.

Vertical - Align the mounting Reference line on HCL (in line with the micro engraving circles).

Power Checking - Check full near prescription at the @ checking circle.

Varilux Computer™ 3V: Glaze as a standard Varilux lens.

NB: ENSURE THE 3V DESIGN HAS THE LENS ID ENGRAVING POSITIONED NASALLY!

THE 2V DESIGN HAS THE ID ENGRAVING ON BOTH SIDES SO THIS IS NOT RELEVANT.

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Varilux Computer™

Dispensing information



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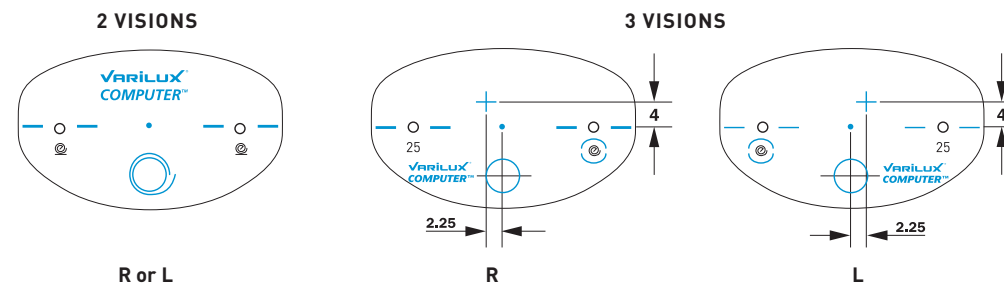
ERGONOMICS

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Dispensing consideration.

- 1 If the reading addition is less than 2.00D, Varilux Computer 2V will give exceptionally wide field of vision for a screen set up at approximately 60cm and provide full reading correction for the lower part of the lens.
- 2 If the patient addition power is 2.00D or greater, they would benefit from using Varilux Computer 3V which gives the widest field of vision at a working distance of 60cm for all additions power. Varilux Computer 3V has the added advantage of giving full distance correction at the top of the lens. The patient should be advised that Varilux Computer 3V lenses are not suitable for general usage and particularly driving due to the very narrow distance field of vision.
- 3 We strongly recommend that to maximise performance in an office environment Crizal® Previncia coating is applied to Varilux Computer™ lenses.
- 4 Varilux computer 3 Visions will always provide the full reading prescription, field of vision optimised for the computer screen and ensure the ideal ergonomic viewing posture.



Lens Power checking

Both lens versions should be checked using the near vision prescription.

Varilux Computer™

Product information

Range

Sph -10.00 to +6.00 cyl 6.00

Additions for Varilux Computer 3V: 1.00 to 2.50

Diameter

Varilux Computer™ 2V - 60, 65, 70, 75,

Varilux Computer™ 3V - 60/65, 65/70, 70/75, 75/80

Please check the availability chart in your product catalogue, noting that the range chart for Varilux Computer 2V refers to the near prescription and Varilux Computer 3V refers to the distance prescription.

Where to order Varilux Computer™

Varilux Computer™ can be ordered directly from Essilor, or through an Essilor Partner Laboratory.



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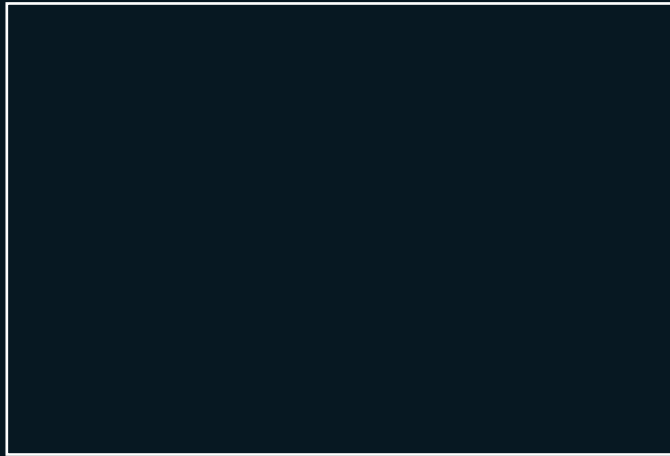
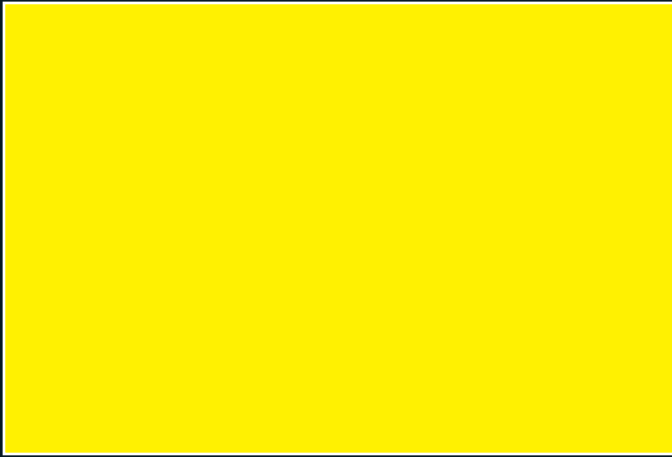
EYE STRAIN

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PART NUMBER: 57-02-050