Product Specifications

| Specifications RX3LED | |
|---|---|
| Product Name | LED Streak Retinoscope RX3LED |
| Generic Name | Retinoscope |
| Streak Variations | Divergent streak, parallel streak, convergent streak |
| Streak Rotation | 360° continuous rotation |
| Batteries | C-size alkaline batteries (2 pcs.) |
| Dimensions (exckuding protrusions) and weight | 34 mm x 34 mm x 269 mm Approximately 340 g (including batteries) |
| Included accessories | Presbyopia lens (+2D), Head Attachment |
| Optional accessories | Presbyopialens(+1D,+3D) |
| | Fixation Card Set RX (Two cards and one card holder) |

| Specifications RX3SPLED | |
|---|---|
| Product Nam | LED Spot Retinoscope RX3SPLED |
| Generic Nam | Retinoscope |
| Batteries | C-size alkaline batteries (2 pcs.) |
| Dimensions (exckuding protrusions) and weight | 34 mm x 34 mm x 266 mm Approximately 300 g (including batteries) |
| Included accessory | Head Attachment |
| Optional accessory | Fixation Card Set RX (Two cards and one card holder) |
| | |

| Classification (Common to RX3LED and RX3SPLED) | | |
|---|---|--|
| Degree of protection against electric shock | Internally powered ME equipment | |
| Applied parts | No applied parts | |
| Degree of protection against harmful ingress of water or particulate matter | IPX0 | |
| Method of sterilization | Do not sterilize. | |
| Suitability for use in an oxygen rich environment | Do not use in oxygen rich environments. | |
| Mode of operation | Continuous operation | |

| Applied Standards (Common to | Standards (Common to RX3LED and RX3SPLED) | | |
|------------------------------|---|--|--|
| Electric safety | IEC 60601-1:2020 | | |
| Electromagnetic disturbances | IEC 60601-1-2:2020 | | |
| Usability engineering | IEC 62366-1:2020 | | |
| Biological evaluation | ISO 10993-1:2018 | | |
| Ophthalmic Instruments | ISO 15004-1:2020 | | |
| • | ISO 15004-2:2007 | | |
| Retinoscopes | ISO 12865:2006 | | |

| Environmental Conditi | ons (Common to RX3LEI | (Common to RX3LED and RX3SPLED) | | |
|-------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|--|
| | Use | Storage | Transport | |
| Temperature | +10 °C to +35 °C (50 °F to 90 °F) | -10 °C to +55 °C (14 °F to 131 °F) | -10 °C to +55 °C (14 °F to 131 °F) | |
| Relative Humidity (no condensation) | 30 % to 90 % | 10 % to 95 % | 10 % to 95 % | |
| Atmospheric Pressure | 800 hPa to 1060 hPa | 500 hPa to 1060 hPa | 500 hPa to 1060 hPa | |

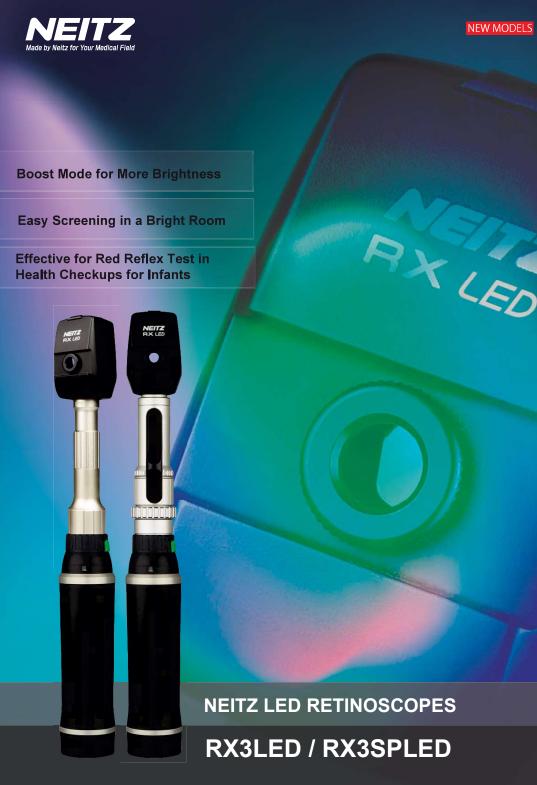


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The Features of LED Retinoscopes

Basic Functions



500x Brighter Illumination Field

The streak light model is about five times, the spot light model is eight times brighter than our halogen bulb models. Easily visible screening even in a bright room.



Smooth Light Control

Reduces the burden of the patient caused by photophobia Provides clear light and shadow



Boost Mode for More Brightness

vitchable between normal mode and much brighter boost mode.



Ra:90 High Color-rendering LED

Ra: More than 90. R9: More than 80

Color temperature: 2700K

No need of light bulb replacement. Maintenance-free.

LED lifetime 40,000 hours



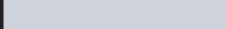
Pursuit of Visibility

The anti-reflection filter provides wide and clear field of view. This reduces the sense of fatigue due to a long-time use.



Pursuit of Usability

The streak can be easily set at the best position. The rotation and the width change of the streak are separately controlled. Rotating the streak does not affect the streak width. The lightweight retinoscope head rotates freely.



Endless Rotation of Streak

The streak rotates 360 degrees. You can rotate it from any position and is useful for measurement of the axis of myopia. Furthermore, the retinoscope is equipped with the Head Attachment Mount for eyeglasses wearers and the feature to attach a presbyopia lens easily.



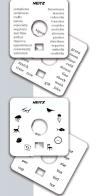
Sharp Streak Light

The precision cut slit realizes the sharp and clear streak light.



Fixation Card Set

The Fixation Card Set is available for use in dynamic retinoscopy. Consists of two fixation cards and a card holder. (Optional)



Two types of fixation card (Fixation Card Set RX)



(Fixation Card Set RX)

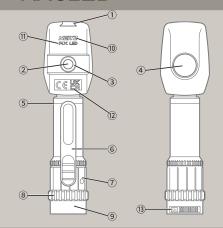


Card Holder RX-SP (Fixation Card Set RX) Optional



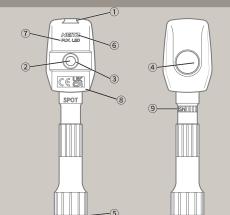
Delivered with Carrying case

RX3LED



- 1) Head Attachment Mount
- ② Viewing Window
- ③Viewing Window Rim
- (4) Illumination Opening
- (5) Reference Line
- Streak Adjustment Lever
- (7) Head Rotation Ring
- ® Streak Rotation Ring
- 9 Head Joint
- 10 Manufacturer's Logo 11 Model Logo
- © CE Mark, UKCA Mark
- 3 Serial Number

RX3SPLED



- 1) Head Attachment Mount
- ② Viewing Window
- ③ Viewing Window Rim
- (4) Illumination Opening
- (5) Head Joint
- (6) Manufacturer's Logo
- (7) Model Logo
- ® CE Mark, UKCA Mark
- (9) Serial Number

C-size Battery Handle (common to RX3LED and RX3SPLED)

