



We see things  
from your  
perspective

Rüsch  
Single-Use Laryngoscope Portfolio

With its rich heritage of research and innovation, Teleflex is dedicated to advancing anaesthesia practice through the continuous improvement of airway management technology.

Working  
advance  
pra

125

year history of producing German-quality anaesthesia and respiratory medical devices

427 patents held for airway devices



Every 3 seconds an LMA Airway is used somewhere in the world\*

Teleflex products used during intubations each year\*\*

> 25m



> 12,000 clinicians trained in Teleflex procedural labs every year

visualisation

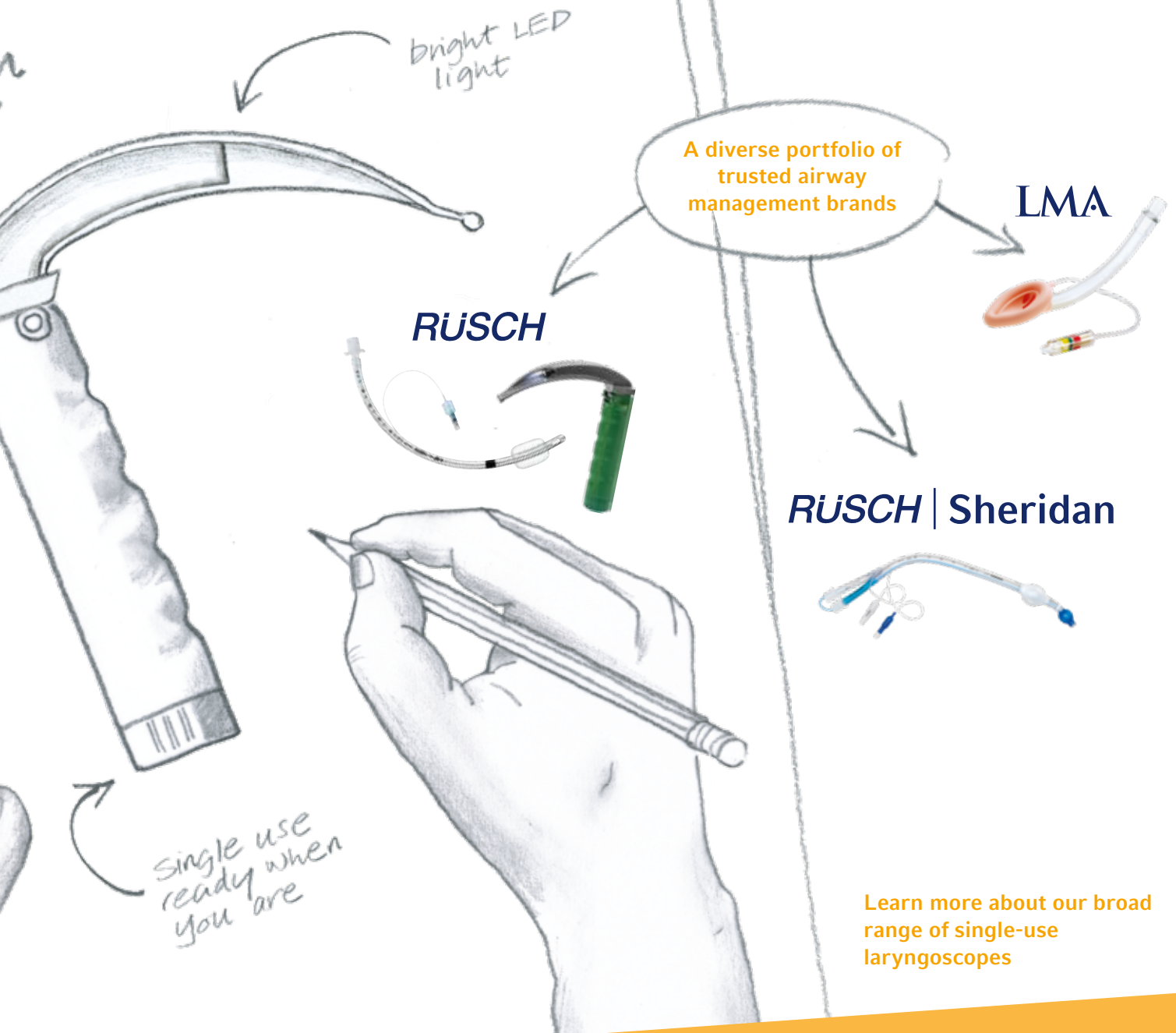
low profile



\* Data on file

\*\* Teleflex Global Anesthesia sales data, YOY, Dec. 2017

together to  
anaesthesia  
practice



Learn more about our broad range of single-use laryngoscopes



## Reliable visualisation is critical for successful intubation

Reliable visualisation of the vocal cords is a critical requirement for successful intubation. Laryngoscopes with poor light intensity have the potential to negatively impact vocal cord visualisation; therefore, the International Organisation for Standardisation (ISO) recommends a minimum light intensity of 500 lux for intubation (ISO 7376:2009).<sup>2</sup>

Research shows the light intensity from many reusable laryngoscope blades is substandard, and may be associated with more poor grade laryngeal views and more failed first intubation attempts compared with single-use blades.<sup>3,4</sup> Repeated reprocessing of reusable fibre-optic laryngoscope blades is a contributory factor to poor illumination, with research showing that light intensity can degrade by 34-50% over time.<sup>5,6</sup>

~ 1/3

of reusable laryngoscopes tested in clinical studies exhibited substandard illuminance<sup>7-9</sup>

34-50%

degradation in light intensity occurs over time due to repeated reprocessing of reusable fibre-optic laryngoscope blades<sup>5,6</sup>

2.5

A 2.5-fold greater mean light intensity can be achieved with LED light sources versus incandescent bulbs<sup>7</sup>

# Bright light when you need it most



## Not all light is equal

The Rüsç Single-Use Laryngoscope portfolio features the latest advances in laryngoscope blade illumination technology, designed to provide reliable visualisation when you need it most.



### Blue-white LED light source

Rüsç Conventional Single-Use Laryngoscope Blades and Rüsç Fibre-Optic Single-Use Handles incorporate a bright blue-white, integrated LED light source, which provides uniform light to minimise shadowing and aid tissue differentiation. Laryngoscopes with LED light sources frequently outperform laryngoscopes with incandescent bulbs, with up to a 2.5 times greater mean illuminance.<sup>7</sup>



### Light source integrated at the blade tip

The LED-in-blade design of Rüsç Conventional Single-Use Laryngoscope Blades is the latest innovation in laryngoscope blade illumination, providing blue-white, LED illumination that is close to source for a high-quality laryngeal view, but remains cool as compared to incandescent bulbs.



### Focused fibre-optic light transmission

Rüsç Fibre-Optic Single-Use Laryngoscope Blades deliver focused fibre-optic light transmission to minimise light scatter and aid visualisation.

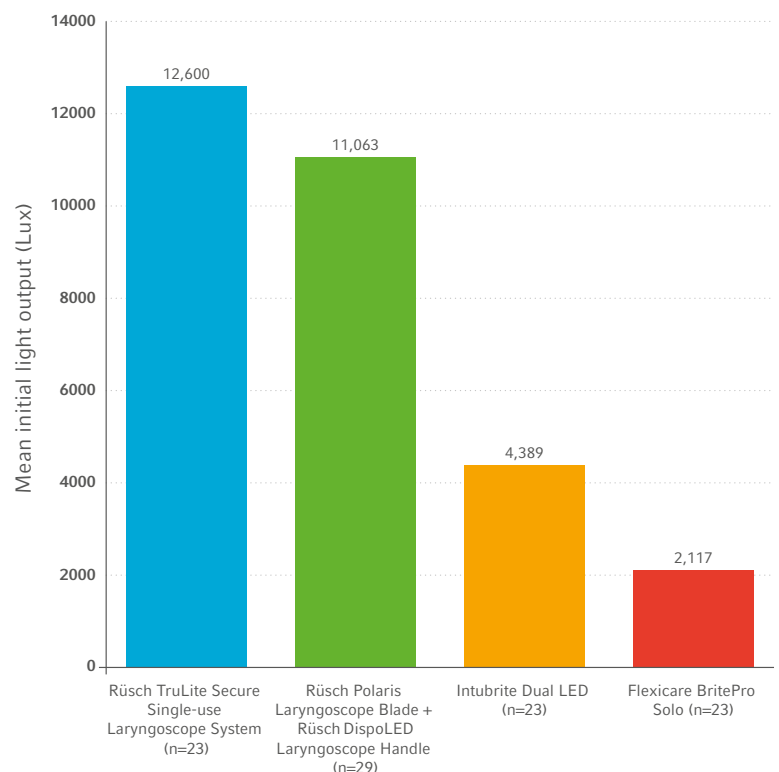
## Rüsç Single-Use Laryngoscopes: tried and trusted

Results of benchtop assessment of mean initial light output of leading manufacturers' single-use laryngoscope systems (Figure 1):<sup>10</sup>

- Rüsç TruLite Secure Laryngoscope Blade and Handle and Rüsç Polaris Single-Use Laryngoscope Blade + Rüsç DispoLED Laryngoscope Handle offer superior mean initial light output
- ~5-6 times brighter compared to the FlexiCare BritePro Solo
- ~8-9 times brighter compared to Dahlhausen Single-Use blade and handle

Illuminance was evaluated in Mac 3 blades and handles using a light-proof container, laryngoscope positioning system, and spectrometer.

**Figure 1. Mean Initial Light Output of Single-Use Laryngoscope Systems**



## A changing perspective on single use

Currently, the markets shift towards a greater use of disposable devices. Single-use laryngoscope blades present several advantages over reusable blades, namely;

- a reduced risk of cross-contamination<sup>4</sup>
- a reduction in reprocessing costs<sup>4</sup>
- evidence of improved performance<sup>4</sup>

The Rüsç Single-Use Laryngoscope portfolio has been designed with this in mind, and offers a broad range of standard and fibre- optic blades and handles to meet diverse clinician requirements.



**Reasons to Use  
Rüsç Single-Use  
Laryngoscopes**

# 3 Concerns over inadequate reprocessing

Sub-optimal cleaning, disinfection, sterilization, and handling of reusable laryngoscope blades are factors associated with a potential risk of cross-contamination. Studies of reusable blades and handles considered ready for patient use have shown that:

up to  
**86%**  
of handles are contaminated with blood or micro-organisms despite low-level disinfection<sup>13-15</sup>

up to  
**77%**  
of blades test positive for occult blood or residual proteins<sup>14,16</sup>

up to  
**93%**  
of blades exhibit microbial contamination<sup>17,18</sup>

## Joint Commission recommendation:<sup>19</sup>

“Equipment used for intubation, such as laryngoscope blades, should be properly cleaned using the process for disinfection and sterilisation of semi-critical items as designated by the Centers for Disease Control and Prevention (CDC) as “high-level” disinfection.”

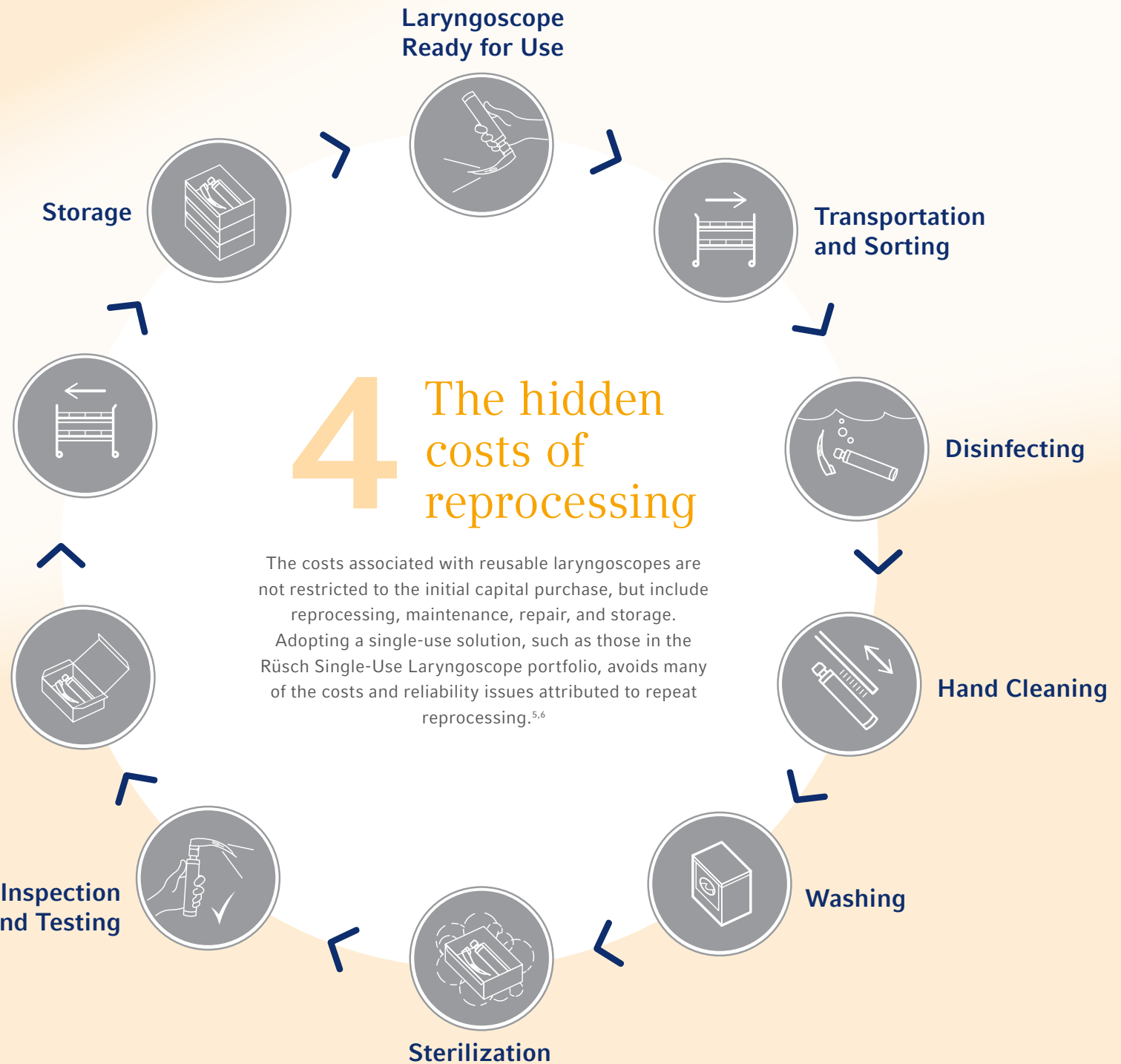
The Rüsç Polaris Laryngoscope Blade and Rüsç TruLite Secure Laryngoscope help reduce the potential for cross-contamination associated with reusable devices.



Transportation

Packaging

a

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## 1 The durability of reusable with the convenience of a single-use blade

Concerns exist regarding the performance, rigidity, and strength of some single-use laryngoscope blades compared with reusable blades.<sup>11,12</sup> With its durable, metal construction, the Rüsç Polaris Laryngoscope Blade addresses these concerns, offering users the feel of a reusable blade with the convenience of a single-use blade.

## 2 Ready when you are

In times of critical situations, it's essential to have the right equipment on hand. The Rüsç TruLite Secure Laryngoscope is a single-use solution with a combined blade and handle. This fully disposable innovative system features reinforced critical components designed to perform in the toughest OR and field conditions.

The color-coded, all-in-one blade and handle combination enables quick size selection; the package design allows light source testing prior to opening. As a one-piece system, the Rüsç TruLite Secure Laryngoscope can be rapidly deployed with the potential to reduce time to intubation during emergency situations.

**Additionally, our entire single-use portfolio offers:**



The latest advances in laryngoscope blade illumination for reliable light when you need it most



Intuitive packaging and color coding to facilitate correct size selection



A broad range of blade designs and sizes to address diverse patient anatomies

# Single-Use Fibre-Optic Systems

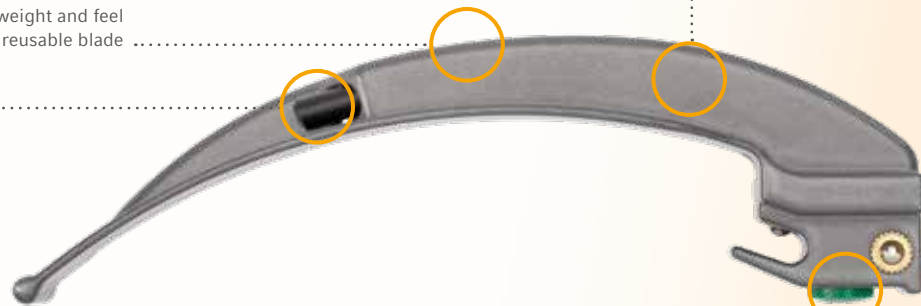
## Rüsch Polaris Single-Use Laryngoscope Blade

**Low-Profile Blade Design**  
 Reduced posterior flange height designed to improve visualisation and reduce the risk of dental trauma



**Matte Finish Blade**  
 Helps reduce light reflection

**Metal Blade Construction**  
 With the weight and feel of a reusable blade



**4.7 mm Enclosed Fibre-Optic Cable**  
 For greater light transmission

**Compatible with FO/Green System Handles**

### Rüsch Polaris Single-Use Laryngoscope Blades

REF.	DESCRIPTION	OVERALL LENGTH (MM)	DISTAL WIDTH (MM)	COLOR CODE	CASE QTY
<b>MACINTOSH BLADES</b>					
4150110	Mac 1	94.5	9.9	White	10
4150120	Mac 2	111.0	13.0	Blue	
4150130	Mac 3	133.0	14.0	Yellow	
4150140	Mac 4	149.0	13.0	Pink	
4150150	Mac 5	159.0	14.5	Dark Yellow	
<b>MILLER BLADES</b>					
4150002	Miller 00	66.5	12.8	Beige	10
4150001	Miller 0	78.0	12.8	Violet	
4150010	Miller 1	103.0	12.8	Orange	
4150020	Miller 2	154.0	13.5	Grey	
4150030	Miller 3	195.0	13.5	Green	
4150040	Miller 4	205.0	19.0	Lavender	



## Rüsch DispoLED Single-Use Laryngoscope Handle



**Stainless-Steel Pin**  
Built to withstand the forces of intubation

**Compatible with FO/ Green System Blades Conforming with ISO 7376**

**Textured Grip**  
Ergonomically designed finger grips for user comfort and ease of use

**Battery Compartment**  
Contains two alkaline AAA batteries. Safety features help prevent re-use

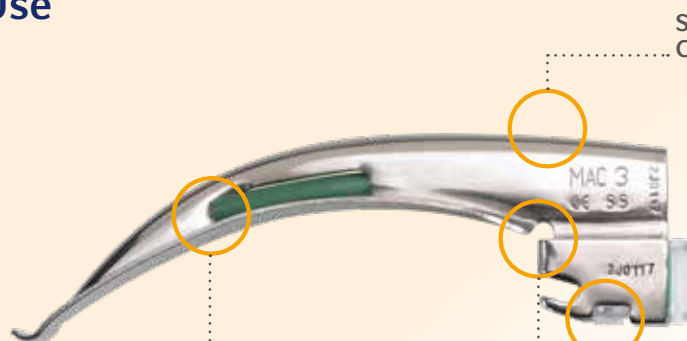
### Rüsch DispoLED Single-Use Laryngoscope Handle

REF.	DIAMETER (CM)	LENGTH (CM)	WEIGHT (G)	CASE QTY
77700	2.8	12	73	20

### Rüsch GreenLite Single-Use Laryngoscope Blades

REF.	DESCRIPTION	OVERALL LENGTH (MM)	DISTAL WIDTH (MM)	COLOR CODE	CASE QTY
<b>MACINTOSH BLADES</b>					
004551000	Mac 0	84	9.5	Peach	20
004551001	Mac 1	94	9.5	White	
004551002	Mac 2	103	11.5	Blue	
004551003	Mac 3	132	15	Yellow	
004551004	Mac 4	162	15	Pink	
<b>MILLER BLADES</b>					
004550010	Mill 00	68	12	Beige	20
004550000	Mill 0	78	11.5	Violet	
004550001	Mill 1	105	11.5	Orange	
004550002	Mill 2	158	14	Grey	
004550003	Mill 3	198	14	Green	
004550004	Mill 4	208	14	Lavender	

## Rüsch GreenLite Single-Use Laryngoscope Blade



**Focused Light Transmission**

**Solid, Metal Construction**

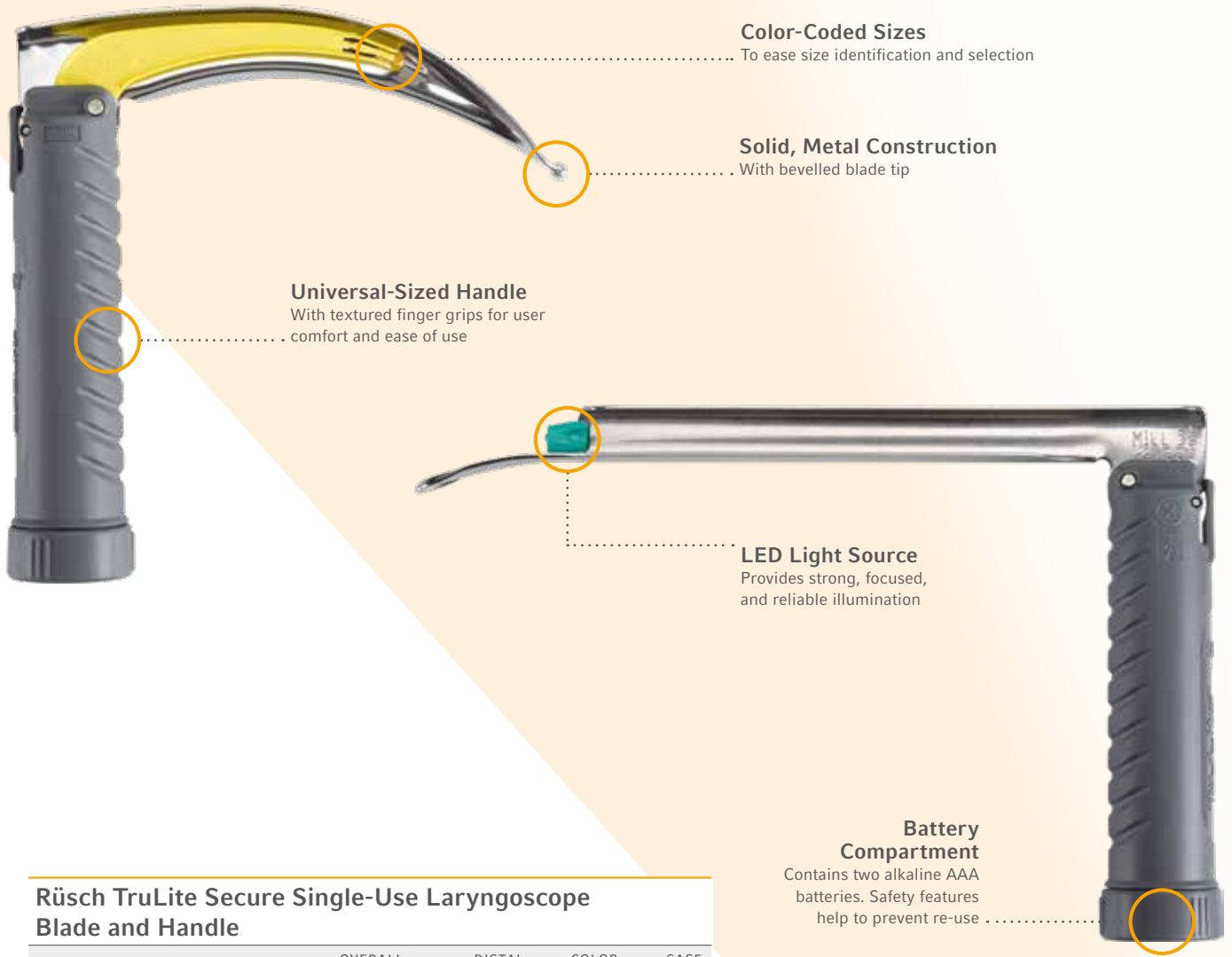
**Compatible with FO/ Green System Handles**

**"Click" Locking Mechanism**



# Single-Use Conventional Systems

## Rüsch TruLite Secure Single-Use Blade and Handle Laryngoscope



**Color-Coded Sizes**  
To ease size identification and selection

**Solid, Metal Construction**  
With bevelled blade tip

**Universal-Sized Handle**  
With textured finger grips for user comfort and ease of use

**LED Light Source**  
Provides strong, focused, and reliable illumination

**Battery Compartment**  
Contains two alkaline AAA batteries. Safety features help to prevent re-use

### Rüsch TruLite Secure Single-Use Laryngoscope Blade and Handle

REF.	DESCRIPTION	OVERALL LENGTH (MM)	DISTAL WIDTH (MM)	COLOR CODE	CASE QTY
<b>MACINTOSH BLADES</b>					
004671002	Mac 2	100	11.5	Turquoise	10
004671003	Mac 3	130	15	Yellow	
004671004	Mac 4	157	15	Pink	
<b>MILLER BLADES</b>					
004670010	Mill 00	64	11.5	Beige	10
004670000	Mill 0	75	11.5	Purple	
004670001	Mill 1	101	11.5	Orange	
004670002	Mill 2	155	14	Grey	
004670003	Mill 3	195	14	Green	
004670004	Mill 4	205	14	Lavender	

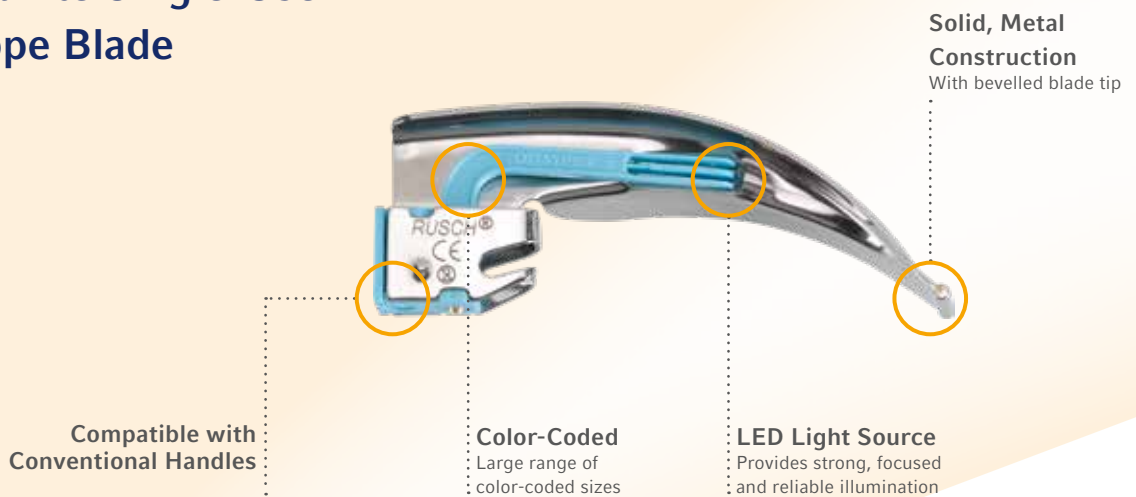
# Rüsch DispoGrip Single-Use Laryngoscope Handle



Rüsch DispoGrip Single-Use Laryngoscope Handle				
REF.	DIAMETER (CM)	LENGTH (CM)	WEIGHT (G)	CASE QTY
88800	2.8	12	72	20

Rüsch EquipLite Single-Use Laryngoscope Blade					
REF.	DESCRIPTION	OVERALL LENGTH (MM)	DISTAL WIDTH (MM)	COLOR CODE	CASE QTY
MACINTOSH BLADES					
004651000	Mac 0	83	9.5	Peach	20
004651001	Mac 1	93	9.5	White	
004651002	Mac 2	103	11.5	Turquoise	
004651003	Mac 3	134	15	Yellow	
004651004	Mac 4	160	15	Pink	
004651005	Mac 5	174	15	Dark Yellow	
MILLER BLADES					
004650010	Mill 00	66	11.5	Beige	20
004650000	Mill 0	78	11.5	Purple	
004650001	Mill 1	104	11.5	Orange	
004650002	Mill 2	158	13.5	Grey	
004650003	Mill 3	197	14	Green	
004650004	Mill 4	207	14	Lavender	

# Rüsch EquipLite Single-Use Laryngoscope Blade



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