

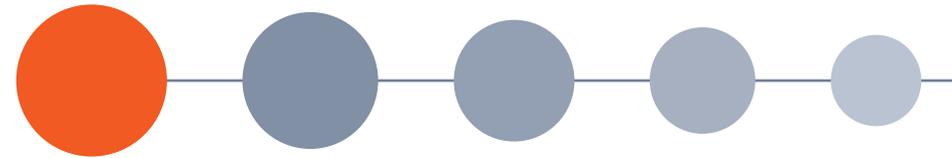


starlight
LED curing lamps

mectron



starlight



lightweight, powerful and versatile



starlight p^m



starlight p^s

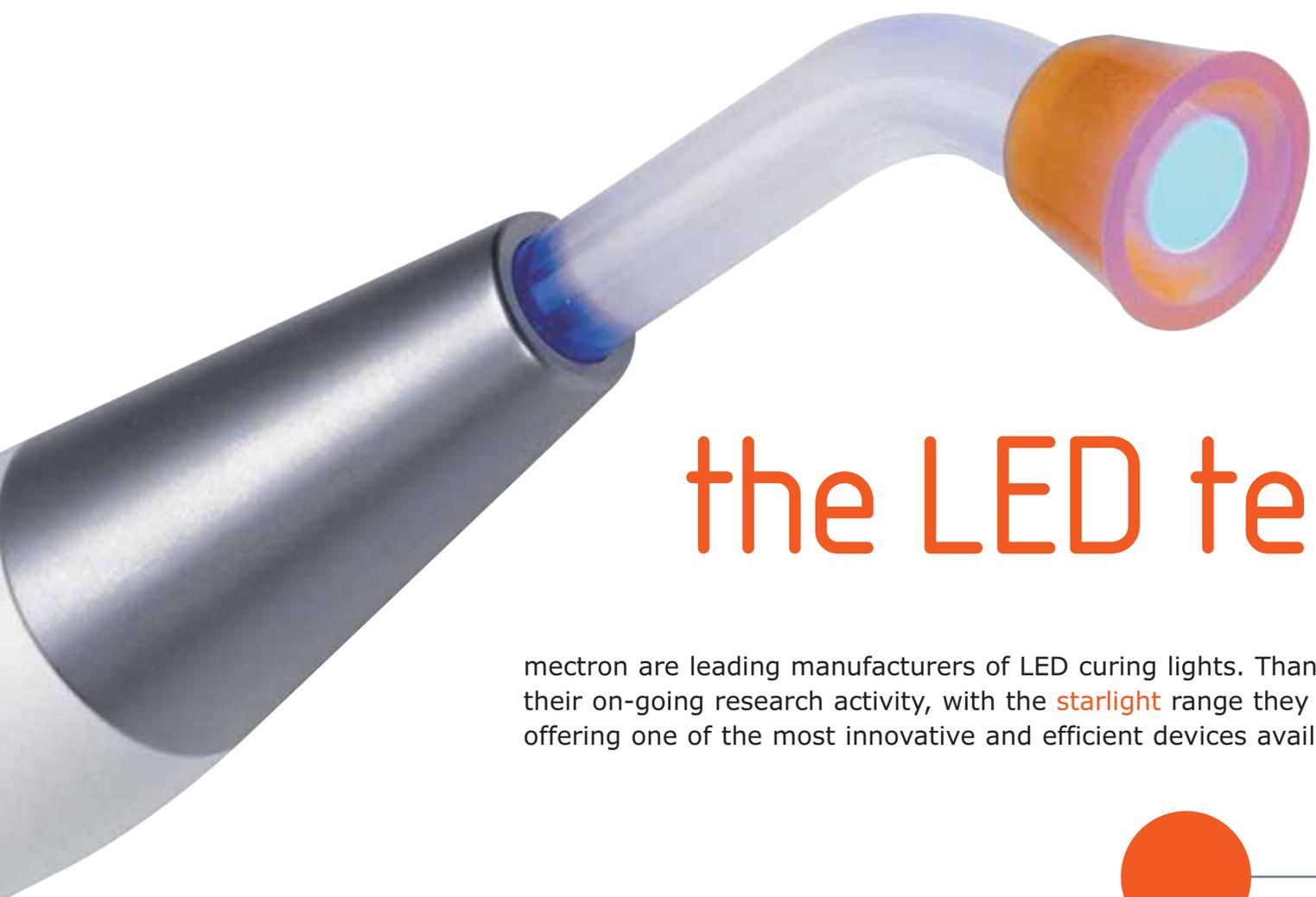


starlight p^e



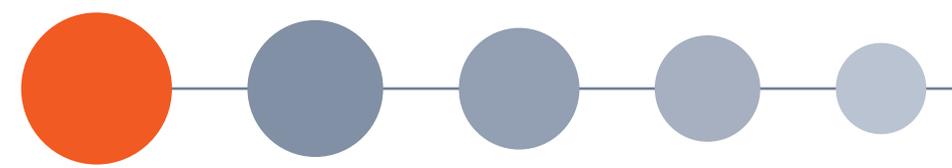
starlight s

Lightweight, practical and extremely easy to use the LED curing lights of the **starlight** range are extraordinarily ergonomic. The several variants enable a large number of possible combinations.



the LED technique

mectron are leading manufacturers of LED curing lights. Thanks to their on-going research activity, with the **starlight** range they are now offering one of the most innovative and efficient devices available.



the value of experience

5 Watt LED
 all **starlight** lamps function with selected high-efficiency 5 Watt LEDs

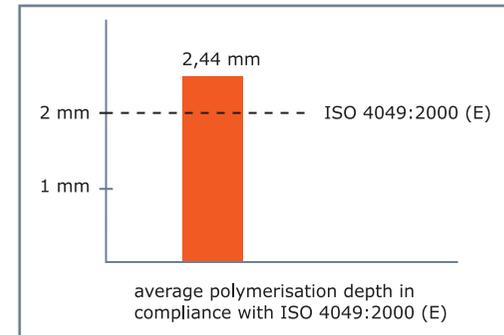
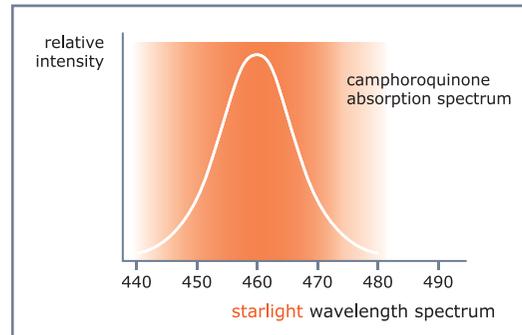


Sophisticated optical element
 it concentrates the light and sends it directly to the fibre optics



Optical fibres
 sterilisable, coherent, fibre optics conductor.
 Ø 8 mm, optional 4.5 mm

Light spectrum
starlight lamps are effective on camphoroquinone, used as photoinitiator in 98% of the materials on the market. They emit light on a wavelength comprised between 440 nm and 480 nm with a peak at 460 nm.



Output
 hardens a 2 mm layer with the utmost reliability in 10 sec

Hygiene
 the smooth, continuous and compact surface enables perfect disinfection

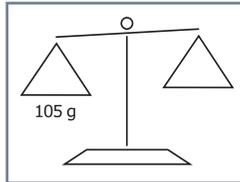


Optical protection
 sterilisable, simple to apply to the optical fibre

Low temperature
 it does not require a fan as it develops no heat – silent

Working life
 the average working life of the LED is 2.5 million 10-second cycles

Weight
only 105 g



Accumulator

lithium-ion
battery with no
memory effect

Charging time

only 90 minutes

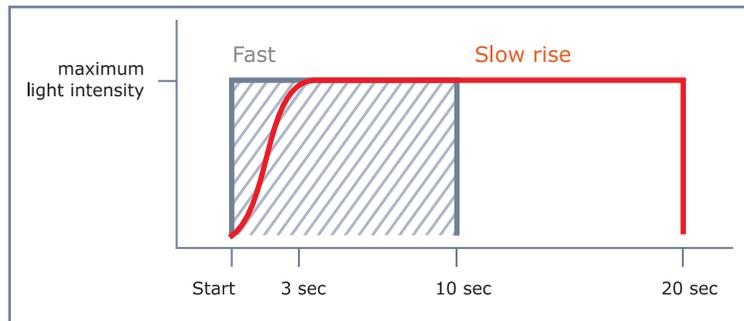
Capacity

sufficient for 320
10-second cycles



Charging station

- green control LEDs indicating mains supply and signalling consent for charging process and power output
- in case of problems a red LED will flash
- integrated radiometer which checks the power output
- result indicated by green or red LED



Processor control

constant light power
regardless of the charge level

Low battery warning

the double acoustic signal is
activated when the battery is
still sufficient for 6 cycles

Operating modes

„Fast“ mode: 10 seconds at maximum light intensity,
with acoustic signal at the beginning and at the end
of the cycle

„Slow rise“ mode: 20 seconds with a progressive
increase of the light intensity reaching the peak
within the first 3 seconds, one acoustic signal after
10 seconds and one at the end of the cycle

starlight pro

The **starlight pro** combines its features in an exemplary manner. Cordless, ultralight and easy to handle. The new **starlight pro** in bright colours add a new chapter in the successful story of light curing by mectron.

cordless



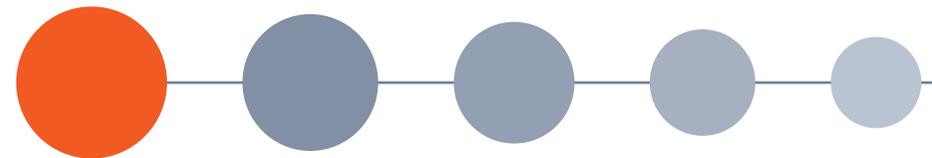
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The **starlight p** is the versatile one among the **starlight**. Just fit it to the cord of the piezo hand-piece of an ultrasound device and, using a foot-switch start, curing can already be activated.

starlight p

versatile



starlight p^m



starlight p^e



starlight p^s



Weight

a featherweight of only
75 g means no tiring

Operation

pressing the footswitch
triggers a 10-second cycle

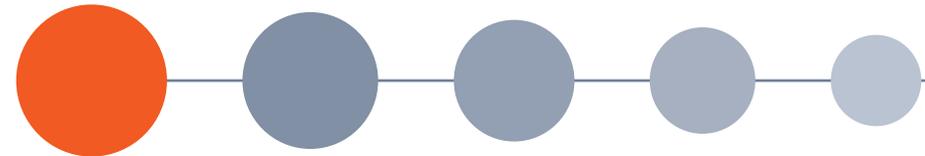
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starlight s



Built-in version

The **starlight s** can be easily built into a dental unit – the ergonomic handpiece can be positioned simply in the quiver (its holder). Like the **starlight pro**, the **starlight s** has two curing modes: „fast” (10 sec) and „slow rise” (20 seconds with slow progression in the first 3 seconds).



built-in version

technical specifications



	starlight pro	starlight p	starlight s
Size (width x Ø)	198 x 22,5 mm	148 x 22,5 mm	148 x 22,5 mm
Weight	105 g	75 g	75 g
Wavelength	440 - 480 nm	440 - 480 nm	440 - 480 nm
Light intensity			
- Ø 8 mm optical fibre	> 1.000 mW/cm ²	> 1.000 mW/cm ²	> 1.000 mW/cm ²
- Ø 4,5 mm optical fibre	> 1.400 mW/cm ²	> 1.400 mW/cm ²	> 1.400 mW/cm ²
Average working life of the LED (in 10-second cycles)	2.500.000 10-second cycles	2.500.000 10-second cycles	2.500.000 10-second cycles
Battery charging time	90 minutes		
Battery capacity	160 20-second cycles		
Warranty			
- (excluding the optical fibre)	3 years including the battery	3 years	3 years

starlight

LED curing lamps



mectron Suisse
Uniline Dental Service

Le Clos, 43
1346 Les Bloux
SUISSE
tel +41 21 8454682
fax +41 21 8454714

mectron.suisse@mectron.com

mectron France
Surgytech Sarl

3706 rue de Franche Comté
39220 Bois d'Amont
FRANCE
tel +33 3 84609853
fax +33 3 84609637

mectron.france@mectron.com

mectron España
Inco trading S.A.

Cº Hornigueras, 119
28031 Madrid
ESPAÑA
tel +34 91 3807490
fax +34 91 3036663
www.inco trading.net
inco trading@mectron.com

mectron Deutschland
Vertriebs GmbH

Wetherstr. 80/2001
51069 Köln
DEUTSCHLAND
tel +49 221 492015 0
fax +49 221 492015 29
www.mectron.de
info@mectron.de

mectron s.p.a.

Via Loreto, 15/A
16042 Garasco (Ge)
ITALIA
tel +39 0185 35361
fax +39 0185 351374
www.mectron.com
mectron@mectron.com

mectron Dental (India)
PVT LTD

"Devi Plaza", #3, 9th 'D' Cross
HBR Layout, Ring Road
Bangalore - 560043
Karnataka, INDIA
tel +91 80 41608672
fax +91 80 41608671
info@mectronindia.com

mectron Poland
FM Produkty Dia Stomatologii

ul. Wyzickiego 1/49a
31-261 Kraków
POLAND
tel +48 12 632 19 27
fax +48 12 632 89 9
www.fmdental.pl
biuro@fmdental.pl

mectron Russia
ANAS LTD

Zemlianoi Val 2/50 kv. 31
105 064 Moscow
RUSSIA
tel +7 495 626 5455
fax +7 495 917 9931
www.anas.ru
info@anas.ru