



LEDs be independent!



Daylight quality LED+ light for all

Motor on = LED+ on. This trail-blazing innovation is both astonishing and ingenious. An in-built generator acts as the integrated energy source for the LEDs and operates on the same principle as a bicycle dynamo. So Alegra LED+ contra-angle handpieces provide natural daylight quality – regardless of whether the motor is fitted with light or not. And best of all: Alegra LED+ contra-angle handpieces are compatible with all standard electric and air motors on the market.

Easier working with LED+

A genuine innovation from W&H: LED+, which compared to conventional LEDs has a much higher colour rendering index.

The self-generated LED light is of daylight quality, renders colours naturally and is many times brighter than a conventional

halogen light. The generator is integrated into the Alegra contra-angle handpieces and is completely independent of any power source. Even on motors without an external light supply!



Guaranteed reliability

The new generation of Alegra contra-angle handpieces ensures that proven W&H quality made in Austria with state-of-the-art technology is accessible for all.

The wide range of Alegra products now offers exactly what you need. Nothing more. And definitely nothing less. Robust, durable and without the need to invest in any other technical equipment.

Clean solution

Alegra straight and contra-angle handpieces are fully thermosensitive and sterilizable. They have been designed to guarantee efficient hygienic preparation.

More colour. More contrast. With LED+

Visual clarity: The new LED+ instruments by W&H offer an incomparably high colour rendering index (CRI). The colours generated by the daylight beamed into the mouth are therefore perfectly rendered for improved visibility.

High colour rendering index (CRI)

Relaxed work thanks to daylight quality light, exceptional reproduction of natural colours and clear colour contrasts. The colour rendering index of artificial light sources is very important because a high CRI value significantly improves people's sense of wellbeing and ensures greater visibility. Perfect colour rendering has an index of 100. Conventional LEDs only have a CRI of between

60 and 80 and are ineffective in reproducing red tones – a significant disadvantage for many medical applications. However, Alegra contra-angle handpieces use a new technology. The result is a CRI of more than 90 which means clear colour contrasts and exceptional reproduction of natural red tones in the mouth.



LEDs compared: natural rendition of red shades with LED+



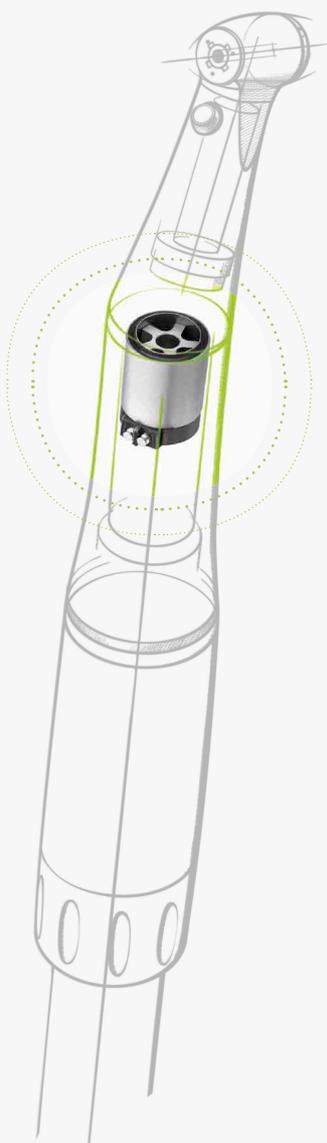
Types with LED+ Types without light	WE-99 LED G WE-99 A	WE-56 LED G WE-56 A	WE-66 LED G WE-66 A	HE-43 A
Illumination quality:	LED+	LED+	LED+	–
CRI:	> 90	> 90	> 90	–
Colour temperature [K]:	5,500	5,500	5,500	–
Luminous flux [lumen]:	5.0	5.0	5.0	–
Brightness [lux]:	25,000	25,000	25,000	–
Transmission/ transition ratio:	1 : 4.5	1 : 1	4 : 1	1 : 1
Head size (∅ mm):	10.1	10.1	10.1	–
Head height [mm] with 19 mm burs:	22.3	20.7	20.7	–
Rotary instruments	FG burs	contra-angle burs	contra-angle burs	handpiece and contra-angle burs
∅ / max. length [mm]:	1.6 / 25	2.35 / 34	2.35 / 34	2.35 / 50
Spray:	3-output	1-output	1-output	1-output
Guarantee:	12 months			

ISO connection for electric motors and air motors

LEDs do it

Pictures are for illustrative purposes only.
Additional equipment and accessories are not included with the item.

The best innovation can only offer you something to work and benefit from immediately. This is why W&H ensures that LED+ with daylight quality operates independently. With no effort whatsoever. No further investment.



Absolutely independent

The idea behind using a generator as a self-sufficient energy source was not new. But the idea of integrating a generator directly into the dental instrument and providing – daylight-bright LED light completely independently of – your existing unit is a real innovation. See for yourself



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