



## More light for bigger signs

Philips Affinium LED string system (medium power),  
designed for channel letters one to four meters high

**PHILIPS**  
sense and simplicity

# More light for bigger signs

The Philips Affinium LED string system (medium power), is designed to give you 200-300% more light. That means you can protect your customers' brands with an easy-to-install LED string system, including both LED string and driver, ideal for bigger channel letters. Not only do you get 200-300% more light, but quality and uniformity are also ensured by the broad viewing angle. Plus, the flexible string wiring allows accurate positioning of the individual LEDs.

## Big benefits for signmakers

- 200-300% more light
- Quick and easy installation
- Outdoor proof
- Excellent light and colour uniformity
- Optimal for large channel letters one to four meters high, and other signage applications.

## Quick and easy installation

Philips Affinium LED string system (medium power) is an addition to the Philips LED string range and you can expect all the usual benefits. Our LED string is very flexible and can be cut at any position and attached to your backplate with a choice of mounting clips or tape. This enables fast layouts and installation, saving you time and money. The system operates at 24V making it safe to install.

## Outdoor proof

Both the overall LED string system and all individual components are fully outdoor proof and have an IP66 rating, ensuring high reliability. What's more, Philips LED string starts instantly, even at temperatures as low as -20°C.

## Quality and uniformity of light

To ensure a uniform light distribution, the LEDs have a broad angle of light output (angle of luminous flux is 110°). Furthermore, the wiring of the string is extremely flexible, allowing a uniform light distribution even in the most complex layouts.

All Philips LEDs are carefully selected from the same range, ensuring visual consistency between the different sections and strings. The cool white colour is also well maintained between different signs for consistent presentation of your customer's corporate identity.

## Guaranteed performance

When you install Philips Affinium LED string (medium power); you have piece of mind with our 3 year performance guarantee. This guarantee ensures high customer satisfaction together with low service call rates. For more information about our guarantee visit [www.philips.com/signage](http://www.philips.com/signage)

## Savings in energy consumption

Energy consumption is only around 3W per meter, compared with 20W per meter for a neon lamp. This reduction of energy consumption allows substantial savings to be made in operating costs. That's better for your customers and better for the environment.

## Lower maintenance costs

As well as immediate energy savings, the high reliability and long lifetime also offer savings in maintenance costs. Both the LED string (medium power) and drivers are maintenance-free for up to 50,000 hours, whereas conventional systems often need replacing after just 20,000 hours. The lumen maintenance of the system is 50% at 50,000 hours at an ambient temperature of 40°C.

## Why choose Philips Affinium LED string medium power?

- Improved quality on larger channel letters
- Savings in energy consumption
- Savings in maintenance costs
- Reliable, high-quality brand presentation, for your customers
- Three year guarantee on the complete system



## Specification

Philips Affinium LED string (medium power)	LED Power Driver	Wavelength nanometer nm	Color temp. Kelvin K	Power		Lumen per meter Lm/m	Beam angle °	Ambient temp. range °C	Spacing between devices cm min./max.
				mW	Lm				
LED string mp A594 I10 P10 (amber)	20W/60W/100W	594+/-5	-	288	8.5	85	110	-20 / 60	7/10
LED string mp B476 I10 P10 (blue)	20W/60W/100W	476+/-7	-	288	4.5	45	110	-20 / 60	7/10
LED string mp W3000 I10 P10 (warm white)	20W/60W/100W	-	3000+/-175	288	13	130	110	-20 / 60	7/10
LED string mp W6300 I10 P10 (cool white)	20W/60W/100W	-	6300+/-700	288	16	160	110	-20 / 60	7/10
LED string mp W8000 I10 P10 (bluish white)*	20W/60W/100W	-	8000+/-1000	288	16	160	110	-20 / 60	7/10

\*available per special order

## Quantities of LEDs per driver (for up to three branches\*\*)

Philips Affinium LED string (medium power)	Packaging Qty	LED Power Driver		
		20W	60W	100W
Philips Affinium LED string (medium power) all types	per driver <sup>1</sup>	48	152	252
	per branch <sup>2</sup>	48	152	152

### Note:

per driver<sup>1</sup> per driver the number of LEDs divided over the branches may not be exceeded and per branch<sup>2</sup> if more branches (up to 3) are used the number of LEDs per branch may not be exceeded  
 \*\* if you want to apply more than 3 branches, please contact your local Philips office.

## Ordering data

Philips Affinium LED string (medium power)	Packaging Qty	Dimensions (cm)			Weight (kg)	Ordering code EOC 8711559
		L	W	H		
LED string mp A594 I10 P10 (amber)	1x20 mtr	54	54	3.5	2	766102 00
LED string mp B476 I10 P10 (blue)	1x20 mtr	54	54	3.5	2	766089 00
LED string mp W3000 I10 P10 (warm white)	1x20 mtr	54	54	3.5	2	766041 00
LED string mp W6300 I10 P10 (cool white)	1x20 mtr	54	54	3.5	2	764481 00
LED string mp W8000 I10 P10 (bluish white)	1x20 mtr	54	54	3.5	2	764986 00

### Note:

The bluish white version of the Affinium LED string medium power can be made available to order. The leadtime, minimum order quantity and price are available from your local Philips office.

## Compliances and approvals

- Safety EN60598
- Quality standard ISO 9001-2000
- Ingress protection IP66 (EN60598, EN60529)
- Environmental standard ISO 14001
- Approval marks ENEC, CE, UL recognition, CSA

**For more information please visit:**

[www.philips.com/signage](http://www.philips.com/signage)

[www.asimpleswitch.com](http://www.asimpleswitch.com)



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