

## Suppliers name

Hagen Deutschland GmbH & Co.KG  
Lehmweg 99-105 D-25488 Holm

## Product

Itemnumber	Item description		
Light source type			
Lighting technology used			
Non-directional or directional		<b>NDLS</b>	<b>DLS</b>
Mains or non-mains		<b>NMLS</b>	<b>MLS</b>
Connected light source (CLS)		<b>Yes</b>	<b>N No</b>
Color-tuneable light source		<b>Yes</b>	<b>No</b>
Envelope		<b>no</b>	<b>second non-clear</b>
High luminance light source		<b>Yes</b>	<b>No</b>
Anti-glare shield		<b>Yes</b>	<b>No</b>
Dimmable		<b>Yes, only with specific dimmers</b>	<b>No</b>

## Product parameters

Energy consumption in on mode (kwh/1000h)				<b>(kwh/1000h)</b>
Energy efficiency class				<b>will be calculated automaticly!</b>
Useful luminous flux				<b>lm</b>
Correlated color temperature				<b>K</b>
On-mode power ( $P_{on}$ )				<b>W</b>
Standby power ( $P_{sb}$ )				<b>W</b>
Network standby power ( $P_{net}$ )				<b>W</b>
Color rendering index				<b>Ra</b>
Outer dimensions	<b>Height</b>	<b>Width</b>	<b>Depth</b>	<b>mm</b>
Spectral power distribution in the range 250nm to 800nm at full-load				<i>(Graph)</i>
Claim of equivalent power	<b>Yes -&gt; Value</b>	<b>W</b>	<b>No</b>	
Chromaticity coordinates (x and y)	<b>X=</b>	<b>Y=</b>		

Parameters for directional light sources	
Peak luminous	cd
Beam angle in degrees or the range of beam angles that can be set	
Parameters for LED and OLED light sources	
R9-color rendering index value	
Survivalfactor	h
Lumen maintenance factor	h
Parameters for LED and OLED mains light sources	
Displacement factor (cosφ 1)	
Color consistency in McAdam-Ellipses	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage	<b>Yes = replacement claim</b> <b>W</b> <b>No</b>
Flicker metric (Pst LM)	
Stroboscopic effect metric (SVM)	