

# Korona | LED highbay



## Data sheets



**CONPOWER**  
Energie bewusst machen


## Korona | LED highbay

The Korona luminaire is the perfect product for illuminating logistics and industrial areas. The elongated design and asymmetric beam angle effectively reduce stray light on walls and shelves. The entire luminous flux of the luminaire is directed by the modern lens technology exactly where the light is needed. The effective and targeted control of the light therefore allows work to be carried out with a lower power input, which results in low energy bills. High-rack areas with a width of approx. 1.50 m to 4.00 m can be illuminated with maximum efficiency. While a conventional hall spotlight with a round symmetrical beam requires a higher number of luminaires, a greater uniformity can be achieved, even with a lower number of Korona luminaires due to its asymmetrical beam options.


The Korona series is an excellent choice for both indoor- and outdoor-lighting due to its high-quality processing, protection class IP65, impact resistance IK08 and power ratings from 30 to 180 watts. Using the DALI or 1-10 V options in combination with a control system, lighting can be tailored to provide effective lighting for variable workplace situations, CLO (constant light output) or motion detection.

There is also a wide range of mounting options. The luminaire can be mounted as a pendant, ceiling or wall luminaire. The combination of NICHIA LED and MEANWELL driver stands for maximum reliability and durability.


### ■ Korona LED highbay

	<p>Power input: 30 Watt</p> <p>Luminous flux: up to 3,855 lm</p> <p>L x B x H: 280 mm x 137 mm x 102 mm</p>
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Page 3

	<p>Power input: 60 Watt</p> <p>Luminous flux: up to 7,746 lm</p> <p>L x B x H: 486 mm x 137 mm x 102 mm</p>
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Page 4

	<p>Power input: 90 Watt</p> <p>Luminous flux: up to 12,042 lm</p> <p>L x B x H: 718 mm x 137 mm x 102 mm</p>
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Page 5

	<p>Power input: 120 Watt</p> <p>Luminous flux: up to 15,864 lm</p> <p>L x B x H: 948 mm x 137 mm x 102 mm</p>
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Page 6







	<p>Power input: 150 Watt</p> <p>Luminous flux: up to 19,830 lm</p> <p>L x B x H: 1,178 mm x 137 mm x 102 mm</p>
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Page 7

	<p>Power input: 180 Watt</p> <p>Luminous flux: up to 23,940 lm</p> <p>L x B x H: 718 mm x 275 mm x 102 mm</p>
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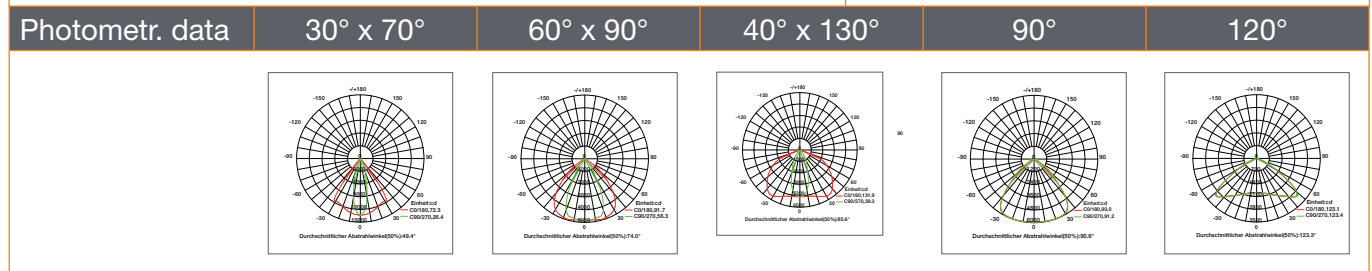
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■ Korona | LED highbay - 30 Watt

Product data		Product image	
Power input:	30 Watt	   	
Driver:	 MEANWELL		
LED:			
Dimming:	1-10 Volt		
Quantity of LEDs:	28		
Voltage:	AC		
Voltage range:	200-240 V		
Cos φ:	0.93		
Operational frequency:	47-63 Hz		
Color temperature:	5,000 K		Green (520-540 nm)
Luminous flux:	3,855 lm		3,396 lm
Luminous efficiency:	129 lm/W		110 lm/W
Beam angle:	30°x70° / 60°x90° / 40°x130° / 90° / 120°		
CRI:	73 R <sub>a</sub>		
Ambient temperature:	-30 °C bis +50 °C		
Degree of protection:	IP65		
Impact resistance:	IK08		
Average lifespan:	50.000 h   L <sub>80</sub> / B <sub>10</sub>		
Start:	<0.1 Sekunden		
Length x width x height:	280 mm x 137 mm x 102 mm		
Weight:	2.5 kg		
Packing unit:	1 piece		
Warranty:	5 years		
Housing: Impact, vibration and corrosion resistant aluminum housing, thermally optimized. Flat and compact design. Stainless steel fittings.			







**Product description**

- Precise illumination of corridors and storage areas
- Easy maintenance due to modular design
- Mounting as pendant, ceiling and wall luminaire
- Free of mercury
- Robust and durable construction for industrial use
- High performance optics
- Nichia diodes tested according to LM80



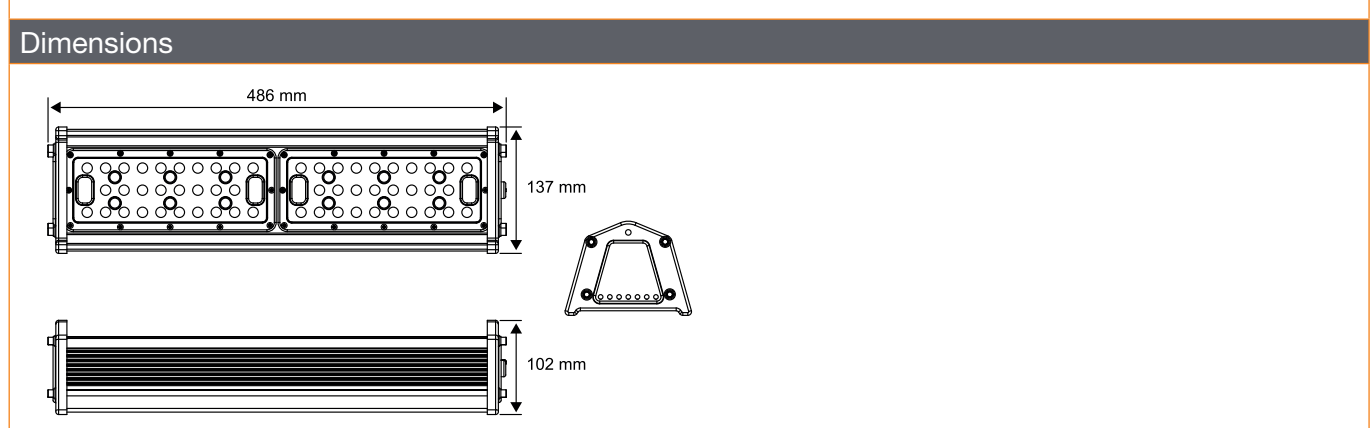
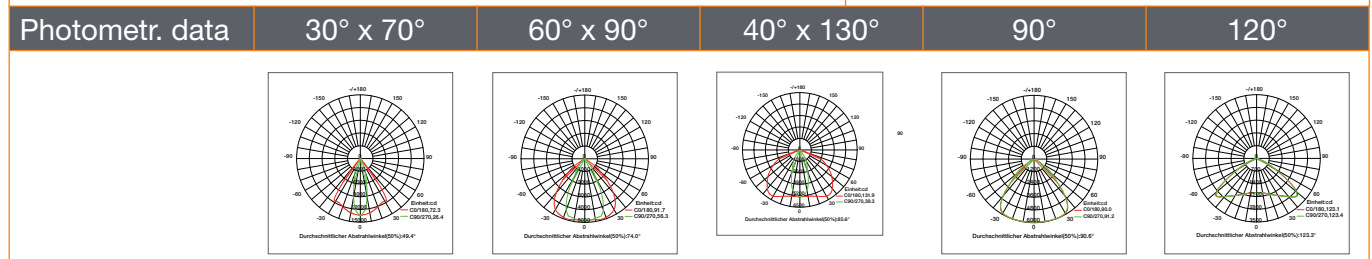
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■ **Korona | LED highbay - 60 Watt**

Product data		Product image	
Power input:	60 Watt	   	
Driver:	 MEANWELL		
LED:			
Dimming:	1-10 Volt/DALI		
Quantity of LEDs:	56		
Voltage:	AC		
Voltage range:	200-240 V		
Cos φ:	0.93		
Operational frequency:	47-63 Hz		
Color temperature:	5.000 K		Green (520-540 nm)
Luminous flux:	7,746 lm		6,792 lm
Luminous efficiency:	129 lm/W		113 lm/W
Beam angle:	30°x70° / 60°x90° / 40°x130° / 90° / 120°		
CRI:	73 R <sub>a</sub>		
Ambient temperature:	-30 °C bis +50 °C		
Degree of protection:	IP65		
Impact resistance:	IK08		
Average lifespan:	50,000 h   L <sub>80</sub> / B <sub>10</sub>		
Start:	<0.1 Sekunden		
Length x width x height:	486 mm x 137 mm x 102 mm		
Weight:	3.4 kg		
Packing unit:	1 piece		
Warranty:	5 years		
Housing: Impact, vibration and corrosion resistant aluminum housing, thermally optimized. Flat and compact design. Stainless steel fittings.			







**Product description**

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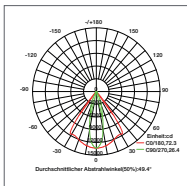
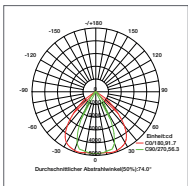
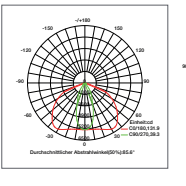
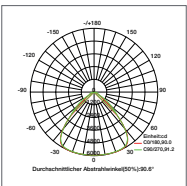
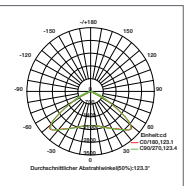
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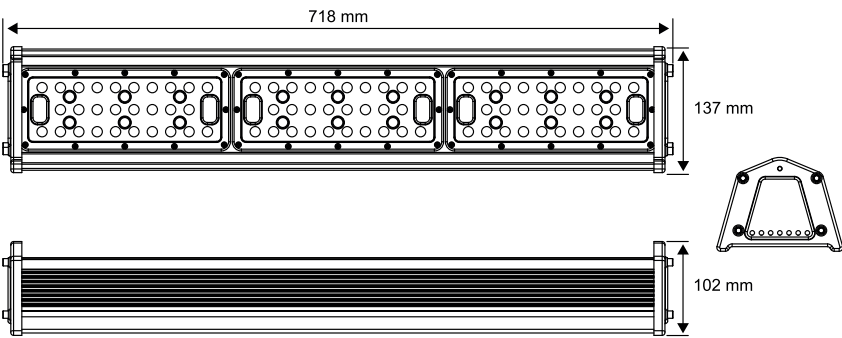
■ **Korona | LED highbay - 90 Watt**

Product data		Product image	
Power input:	90 Watt	   	
Driver:	 MEANWELL		
LED:			
Dimming:	1-10 Volt/DALI		
Quantity of LEDs:	84		
Voltage:	AC		
Voltage range:	200-240 V		
Cos φ:	0.93		
Operational frequency:	47-63 Hz		
Color temperature:	5,000 K		Green (520-540 nm)
Luminous flux:	12,042 lm		10,188 lm
Luminous efficiency:	134 lm/W		113 lm/W
Beam angle:	30°x70° / 60°x90° / 40°x130° / 90° / 120°		
CRI:	73 R <sub>a</sub>		
Ambient temperature:	-30 °C bis +50 °C		
Degree of protection:	IP65		
Impact resistance:	IK08		
Average lifespan:	50,000 h   L <sub>80</sub> / B <sub>10</sub>		
Start:	<0.1 Sekunden		
Length x width x height:	718 mm x 137 mm x 102 mm		
Weight:	5.0 kg		
Packing unit:	1 piece		
Warranty:	5 years		
Housing: Impact, vibration and corrosion resistant aluminum housing, thermally optimized. Flat and compact design. Stainless steel fittings.			

**Product description**







- Precise illumination of corridors and storage areas
- Easy maintenance due to modular design
- Mounting as pendant, ceiling and wall luminaire
- Free of mercury
- Robust and durable construction for industrial use
- High performance optics
- Nichia diodes tested according to LM80

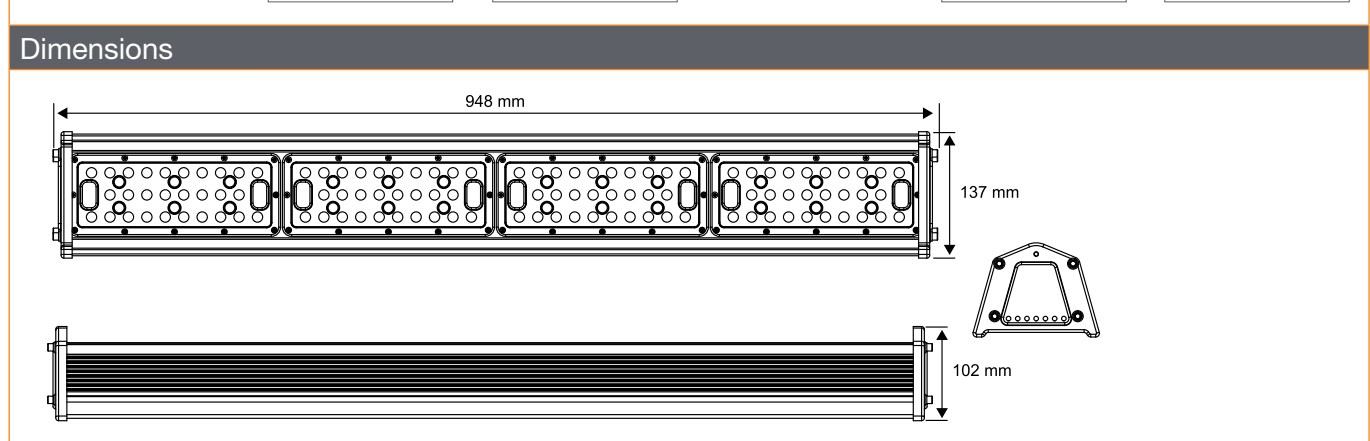
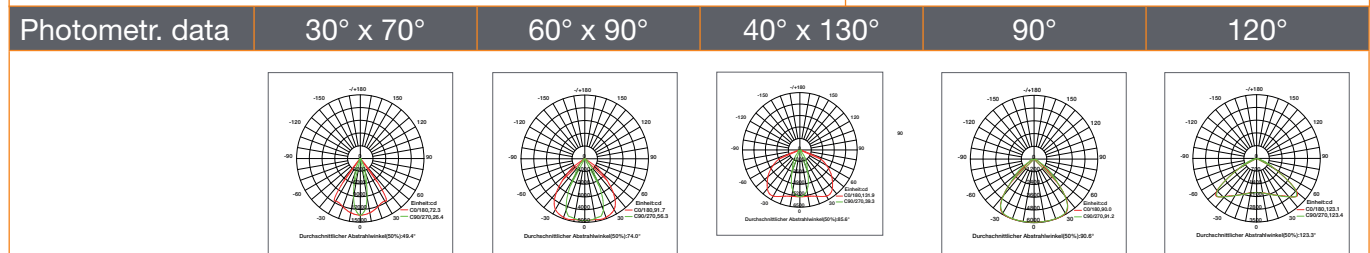
Photometr. data	30° x 70°	60° x 90°	40° x 130°	90°	120°
					

Dimensions


All previous data sheets hereby lose their validity. The same applies to the publication of a new data sheet.







■ **Korona | LED highbay - 120 Watt**

Product data		Product image	
Power input:	120 Watt	   	
Driver:	 MEANWELL		
LED:			
Dimming:	1-10 Volt/DALI		
Quantity of LEDs:	112		
Voltage:	AC		
Voltage range:	200-240 V		
Cos φ:	0.93		
Operational frequency:	47-63 Hz		
Color temperature:	5,000 K		Green (520-540 nm)
Luminous flux:	15,864 lm		13,585 lm
Luminous efficiency:	132 lm/W		113 lm/W
Beam angle:	30°x70° / 60°x90° / 40°x130° / 90° / 120°		
CRI:	73 R <sub>a</sub>		
Ambient temperature:	-30 °C bis +50 °C		
Degree of protection:	IP65		
Impact resistance:	IK08		
Average lifespan:	50,000 h   L <sub>80</sub> / B <sub>10</sub>		
Start:	<0.1 Sekunden		
Length x width x height:	948 mm x 137 mm x 102 mm		
Weight:	5.7 kg		
Packing unit:	1 piece		
Warranty:	5 years		
Housing: Impact, vibration and corrosion resistant aluminum housing, thermally optimized. Flat and compact design. Stainless steel fittings.			
Product description			
<ul style="list-style-type: none"> <li>■ Precise illumination of corridors and storage areas</li> <li>■ Easy maintenance due to modular design</li> <li>■ Mounting as pendant, ceiling and wall luminaire</li> <li>■ Free of mercury</li> <li>■ Robust and durable construction for industrial use</li> <li>■ High performance optics</li> <li>■ Nichia diodes tested according to LM80</li> </ul>			



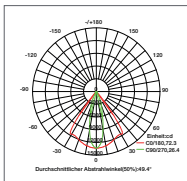
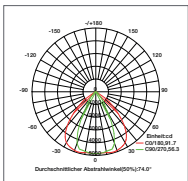
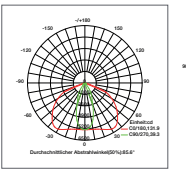
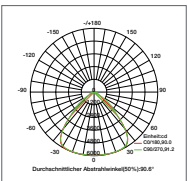
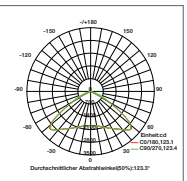
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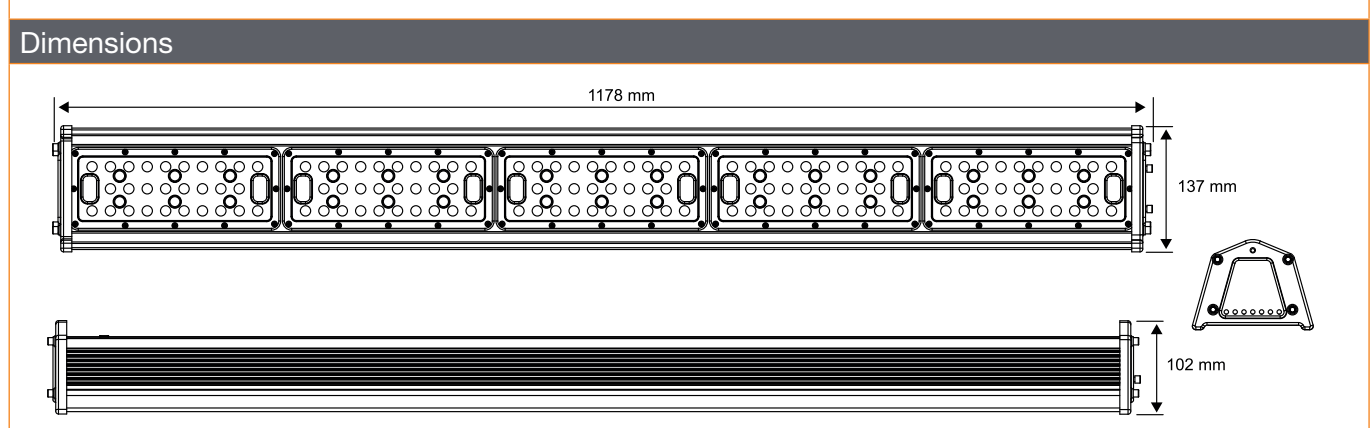
■ **Korona | LED highbay - 150 Watt**

Product data		Product image	
Power input:	150 Watt	   	
Driver:	 MEANWELL		
LED:			
Dimming:	1-10 Volt/DALI		
Quantity of LEDs:	140		
Voltage:	AC		
Voltage range:	200-240 V		
Cos φ:	0.93		
Operational frequency:	47-63 Hz		
Color temperature:	5,000 K		Green (520-540 nm)
Luminous flux:	19,830 lm		16,818 lm
Luminous efficiency:	132 lm/W		112 lm/W
Beam angle:	30°x70° / 60°x90° / 40°x130° / 90° / 120°		
CRI:	73 R <sub>a</sub>		
Ambient temperature:	-30 °C bis +50 °C		
Degree of protection:	IP65		
Impact resistance:	IK08		
Average lifespan:	50,000 h   L <sub>80</sub> / B <sub>10</sub>		
Start:	<0.1 Sekunden		
Length x width x height:	1,178 mm x 137 mm x 102 mm		
Weight:	6.9 kg		
Packing unit:	1 piece		
Warranty:	5 years		
Housing: Impact, vibration and corrosion resistant aluminum housing, thermally optimized. Flat and compact design. Stainless steel fittings.			

**Product description**







- Precise illumination of corridors and storage areas
- Easy maintenance due to modular design
- Mounting as pendant, ceiling and wall luminaire
- Free of mercury
- Robust and durable construction for industrial use
- High performance optics
- Nichia diodes tested according to LM80

Photometr. data	30° x 70°	60° x 90°	40° x 130°	90°	120°
					



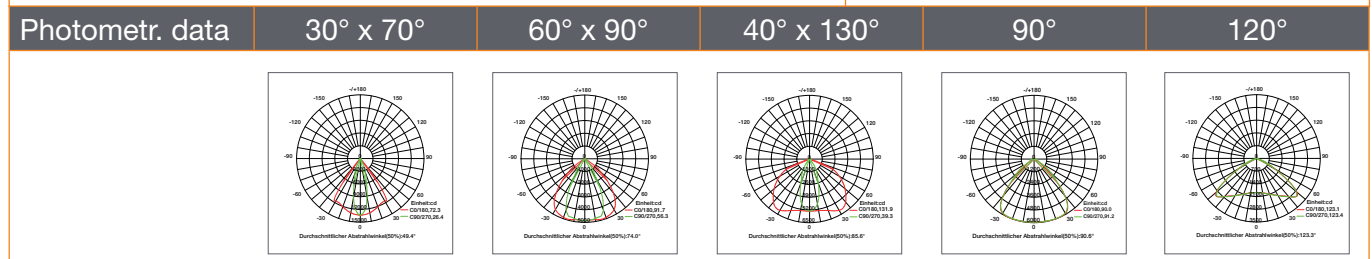
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■ **Korona - LED highbay 180 Watt**

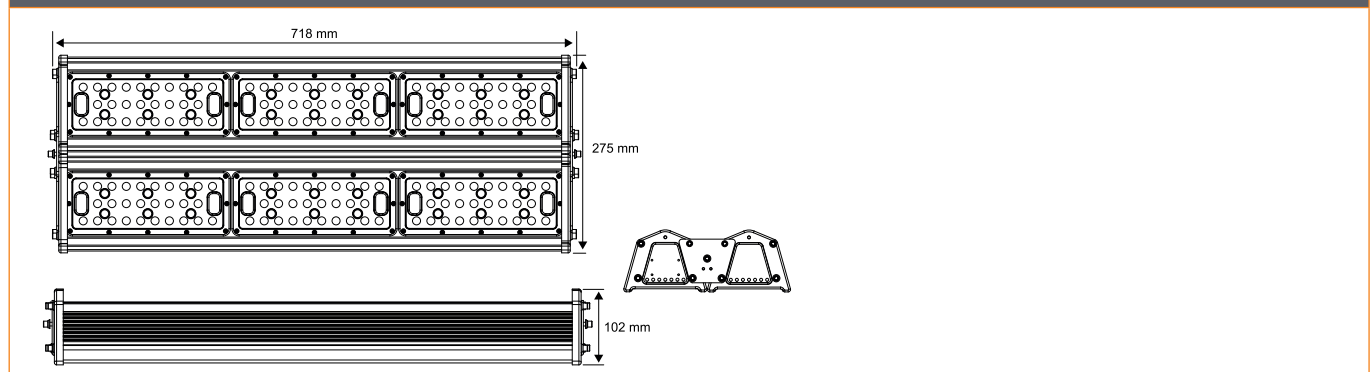
Product data		Product image	
Power input:	180 Watt	   	
Driver:	 MEANWELL		
LED:			
Dimming:	1-10 Volt/DALI		
Quantity of LEDs:	168		
Voltage:	AC		
Voltage range:	200-240 V		
Cos φ:	0.93		
Operational frequency:	47-63 Hz		
Color temperature:	5,000 K		Green (520-540 nm)
Luminous flux:	23,940 lm		20,376 lm
Luminous efficiency:	133 lm/W		113 lm/W
Beam angle:	30°x70° / 60°x90° / 40°x130° / 90° / 120°		
CRI:	73 R <sub>a</sub>		
Ambient temperature:	-30 °C bis +50 °C		
Degree of protection:	IP65		
Impact resistance:	IK08		
Average lifespan:	50,000 h   L <sub>80</sub> / B <sub>10</sub>		
Start:	<0.1 Sekunden		
Length x width x height:	718 mm x 275 mm x 102 mm		
Weight:	8.5 kg		
Packing unit:	1 piece		
Warranty:	5 years		
Housing: Impact, vibration and corrosion resistant aluminum housing, thermally optimized. Flat and compact design. Stainless steel fittings.			

**Product description**

- Precise illumination of corridors and storage areas
- Easy maintenance due to modular design
- Mounting as pendant, ceiling and wall luminaire
- Free of mercury
- Robust and durable construction for industrial use
- High performance optics
- Nichia diodes tested according to LM80




**Dimensions**



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■ Korona | LED highbay - Accessories

Product	Article	Article description
	Wire rope/pendulum	Wire rope suspension ceiling mounting for high rack luminaire Korona 30 W - 180 W

Product	Article	Article description
	ceiling mounting bracket	Mounting bracket wall/ceiling mounting for high rack luminaire Korona 30 W - 180 W

Product	Article	Article description
	ceiling mounting bracket ± 50°	Pivoting mounting angle ± 50° wall-/ ceiling mounting, version: 30 W - 150 W

Product	Article	Article description
	ceiling mounting bracket ± 50°	Pivoting mounting angle ± 50° wall-/ ceiling mounting, version: 180 W

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