



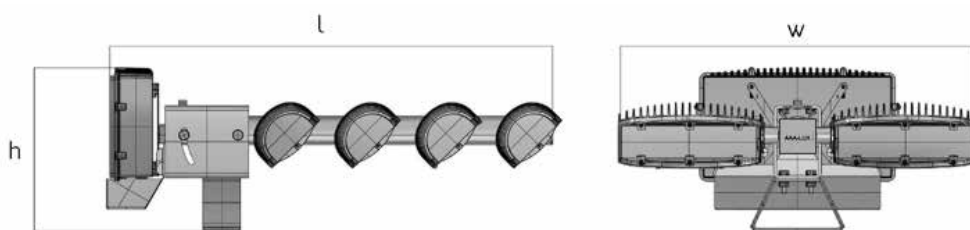
WS-series Gen7

Increased light performance & integrated RS technology

AAA-LUX' Generation 7 combines an increased light output with the ability to reduce obtrusive light in the surrounding area. The low amount of luminaires needed to meet lighting requirements, is truly a breakthrough in lighting technology.

Thanks to the integrated RS technology the luminaire is prepared for optimum reduction of obtrusive light, by mounting light shields (LS).

Mechanical Technical Information



LUMINAIRE TYPE	LUMINOUS FLUX (based on lm-79 measurements by DEKRA) [lm]			DIMENSIONS [mm]		
	ST	MP	HT	L1	W1	H1
WS 110	203900	220200	185500	900	700	320
WS 130	196700	212200	179400			
WS 160	205700	222200	187200			
WS 182	194000	209600	177200			
WS 183	194000	209600	177200			
WS 200	205800	222000	187200			
WS 250	205300	221700	186800			
WS 270	208500	225200	189800			
WS 290	205900	222400	187400			

FEATURES



Less luminaires needed
 Lowest total project cost
 Re-use infrastructure



Wireless dimming
 Remote monitoring
 Smart City



Ease of installation



Reduced Spill light
 CIE150 compliant

Specifications

All models			
	Min	Typ	Max
	Color Temperature (K)		
	Color Rendering Index (CRI)		
	Expected lifetime (hours) LM-80, TM-21		
	Luminous efficacy (lm/W)		
	Weight, including Driver (kg)		
	Frontal surface [CW = 1] @ tilt 15° (m2)		
	Ingress protection (IP)		
	Product Color		

Standard (ST)			
	Min	Typ	Max
	Power Consumption @ 100% (W)		
	Current (A)		
	Ambient Operating Temperature (°C) ⁴		

High temperature (HT)			
	Min	Typ	Max
	Power Consumption @ 100% (W)		
	Current (A)		
	Ambient Operating Temperature (°C) ⁴		

Maximum power (MP)			
	Min	Typ	Max
	Power Consumption @ 100% (W)		
	Current (A)		
	Ambient Operating Temperature (°C) ⁴		

Power Supply				
	Min	Typ	Max	
	Voltage input (VAC)	370	400 ⁵ / 415 ⁶	460
	Power Factor @ 20% - 100%	0.9	0.97	
	Inrush Current		None	
	Over voltage (kV)			6
	Electrical Insulation Class		I	

¹ 4000K available on request

² TP26 for more details

³ Dali, DMX/RDM and Modbus version IP 65

⁴ Auto dimming may occur

⁵ 230VAC also available upon request

⁶ Australia/New Zealand

Compliance To Standards

Safety

IEC 60598-1:2014	Luminaires - Part 1: General requirements and tests
IEC 60598-2-5:2015	Luminaires - Part 2-5: Particular requirements - Floodlights
IEC 62471:2008	Photobiological safety of lamps and lamp systems
IEC 60529	Degrees of protection provided by enclosures (IP Code)
IEC 62031:2008	LED modules for general lighting - Safety specifications
IEC 61347	Lamp controlgear
EN 55015:2013 +A1:2015	(Generic emissions)
EC 61000-3-2:2014	(Generic emissions)
EN 61000-3-3:2013	(Harmonics)

EN 61547:2009	General lighting purposes - EMC immunity requirements
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Corrosion

DIN 50021 N55
DIN 50018 SWF 2.0
NFT 30.055 2 liter S02

