



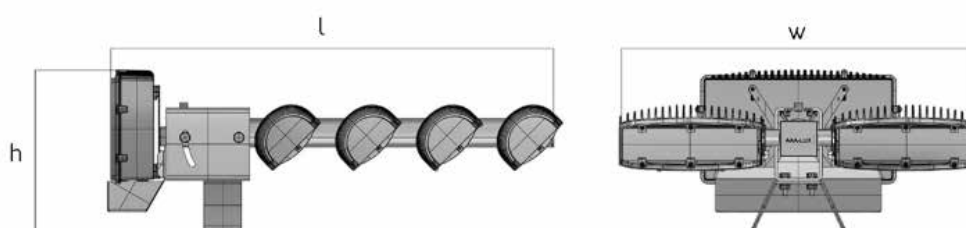
WS series Gen7^{PRE}

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] @ 15° tilt		
	ST	MP	HT	L1	W1	H1
WS 200	194000	207600	176600	900	700	320
WS 250	194250	207850	176750			
WS 270	194250	207850	176750			
WS 290	195600	209350	178050			

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
 Voltage input (VAC)	370	400 ¹ / 415 ³	460
Power Factor @ 20% - 100%	0.9	0.97	
Inrush Current		None	
 Color Temperature (K)		5000	
Color Rendering Index (CRI)	70	75	
Expected lifetime (hours) lm-79	60 000		
Luminous efficacy (lm/W)	110		
 Weight, including Driver (kg)		23	
Frontal surface [CW = 1] @ tilt 15° (m2)		0.22 ⁵	
Ingress protection (IP)		66 ²	
Electrical Insulation Class		I	
Product Color		RAL7015 / Pantone 446 C / Uncoated	

Standard (ST)

	Min	Typ	Max
 Power Consumption @ 100%		1550	1600
Current (A)		3.9	4.3
 Ambient Operating Temperature (°C) ⁴	-30	30	

High temperature (HT)

	Min	Typ	Max
 Power Consumption @ 100%		1350	1425
Current (A)		3.4	3.9
 Ambient Operating Temperature (°C) ⁴	-30	40	

Maximum power (MP)

	Min	Typ	Max
 Power Consumption @ 100%		1700	1750
Current (A)		4.3	4.8
 Ambient Operating Temperature (°C) ⁴	-30	25	

¹ 230VAC also available upon request

² Dali, DMX and Modbus version IP 65

³ Australia/New Zealand

⁴ Auto dimming may occur

⁵ TP26 for more details

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)

Corrosion

DIN 50021 N55
DIN 50018 SWF 2.0
NFT 30.055 2 liter 502

