

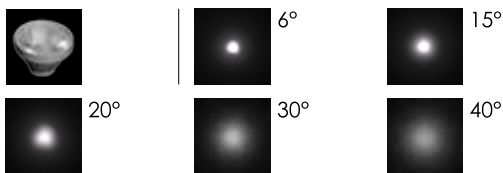


SPOT LIGHT

LED COLOUR TEMPERATURE

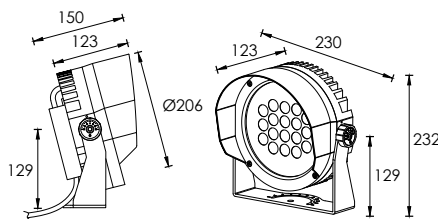
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTION

Basic

Secondary



Sanded Dark Grey

Silver Grey

Sanded Black



Heat radiation structure

High Precision Gear
Vertical Rotation System

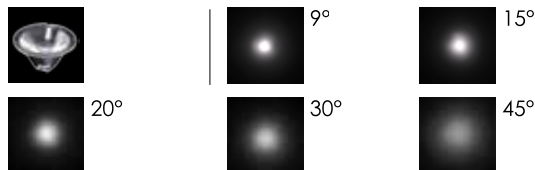
MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass.T=4mm
CABLE GLAND	1 Copper and nickel coated
LENS	1 Optical lens,efficiency≥85%
BRACKET	1 Powder coated aluminum.T=2.5mm
OPERATING TEMPERATURE	1 -20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
DIMMABLE SUPPORT	1 Triac PWM 1-10V Dali

LED COLOUR TEMPERATURE

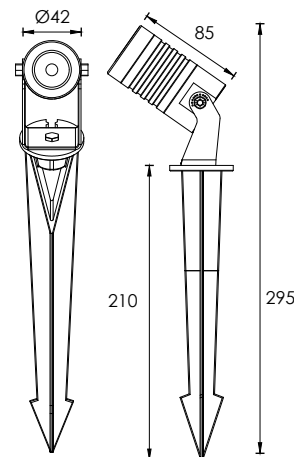
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTION

Basic

Secondary



Sanded Dark Grey

Silver Resistant Paint

Matt Black

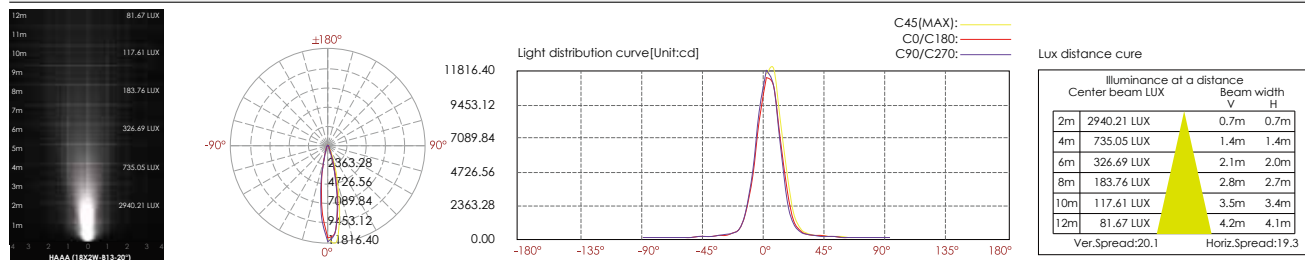
MATERIAL SPECIFICATIONS

FRONT COVER&HOUSING	1 Aluminum anodized finshing or powder painting
LENS	1 Optical lens,efficiency≥85%
LIGHT WINDOW	1 Tempered glass.T=3mm
CABLE GLAND	1 Nickel coated copper
GASKET	1 Tooling shaped seal
PCB	Excellent heat conductivity aluminum,coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	1 Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	1 -20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
DIMMABLE SUPPORT	1 Triac PWM 1-10V Dali

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAA	18×2W	20°	24V DC 120/240	24V = 1500 120V = 320 240V = 155	24V = 36 120V = 35 240V = 35	Cool White = 2529 Warm White = 1927	09

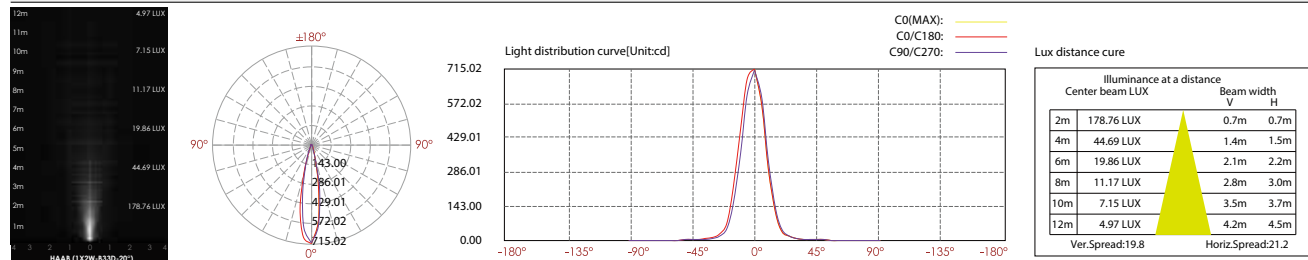
PHOTOMETRIC CURVES



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAB	1×2W	20°	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3 240V = 3.1	Cool White = 149 Warm White = 120	02

PHOTOMETRIC CURVES



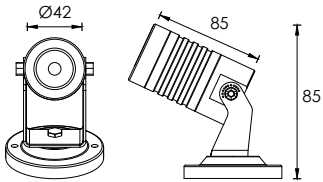


LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



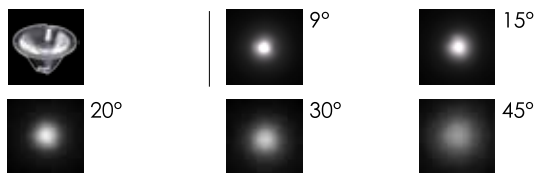
MATERIAL SPECIFICATIONS

FRONT COVER&HOUSING	I Aluminum anodized finshing or powder painting
LENS	I Optical lens,efficiency≥85%
LIGHT WINDOW	I Tempered glass.T=3mm
CABLE GLAND	I Nickel coated copper
GASKET	I Tooling shaped seal
PCB	I Excellent heat conductivity aluminum,coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	I Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	I -20°C~40°C
POWER CABLE	I H05RN-F 2X1.0mm2 L=2.0m(low voltage) I H05RN-F 3X1.0mm2 L=2.0m(high voltage)
DIMMABLE SUPPORT	I Triac PWM 1-10V Dali

HOUSING COLOR OPTION

Basic	Secondary	
Sanded Dark Grey	Silver Resistant Paint	Matt Black

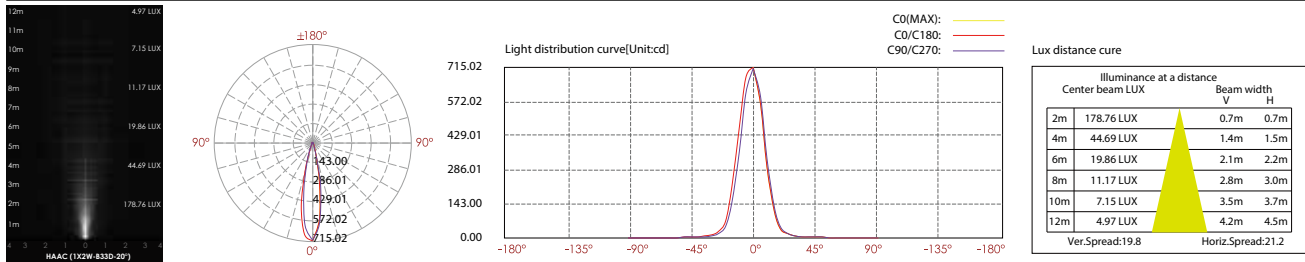
OPTICS



TECHNICAL DATA

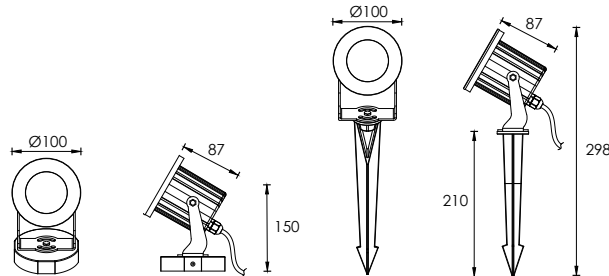
ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAC	1×2W	20°	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3 240V = 3.1	Cool White = 149 Warm White = 120	02

PHOTOMETRIC CURVES



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ZHAAZ

ZHABA

MATERIAL SPECIFICATIONS

HOUSING	I 12# Die-casting dark grey powder coated aluminum. I T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	I Tempered glass.T=3mm
CABLE GLAND	I IP-68 PG-9 PA66
FRONT COVER	I Hard chrome-plated stainless steel SUS 316L#
BRACKET	I Powder coated aluminum
GASKET	I Tooling shaped seal
POWER CABLE	I H05RN-F 3X1.0mm2 L=2.0m(high voltage)
MOUNTING BASE	I Powder coated die-casting aluminum

HOUSING COLOR OPTION

Basic	Secondary
Sanded Dark Grey	Sanded Black

LIGHTING SOURCES OPTION

	Pin Halogen Lamp		Pin LED Lamp
	•50W maximum power limit •Input voltage is according to halogen lamp spec.		•Maximum power limit is according to GU10 pin spec. •Input voltage is according to GU10 pin spec.

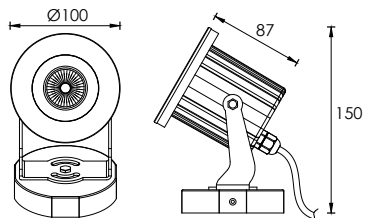


LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTION

Basic



Sanded Dark Grey

Secondary



Silver Grey



Matt Black

MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chrome-plated Stainless steel (SUS 304#, 316# optional)
LIGHT WINDOW	1 Tempered glass.T=4mm
GASKET	1 Tooling shaped seal
LED	1 COB LED 6W
CABLE GLAND	1 IP-68 PG-9 PA66
BRACKET	1 Powder coated aluminum
REFLECTOR	1 Optical Reflector efficiency≥90%
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
MOUNTING BASE	1 12# Die-casting dark grey powder coated aluminum

OPTICS



40°



18°

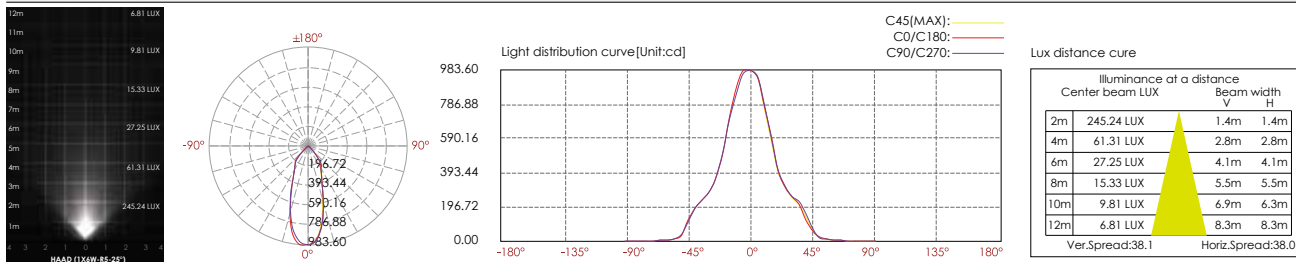


25°

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAD	1×6W	40°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool White = 758 Warm White = 662	04

PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS



40°



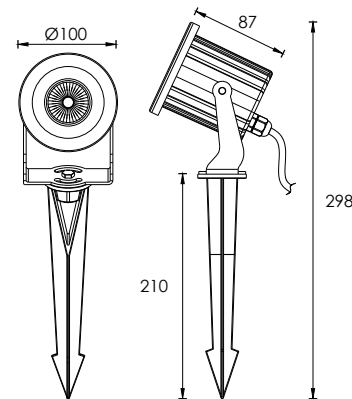
18°



25°

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTION

Basic



Sanded Dark Grey

Secondary



Silver Grey



Sanded Black

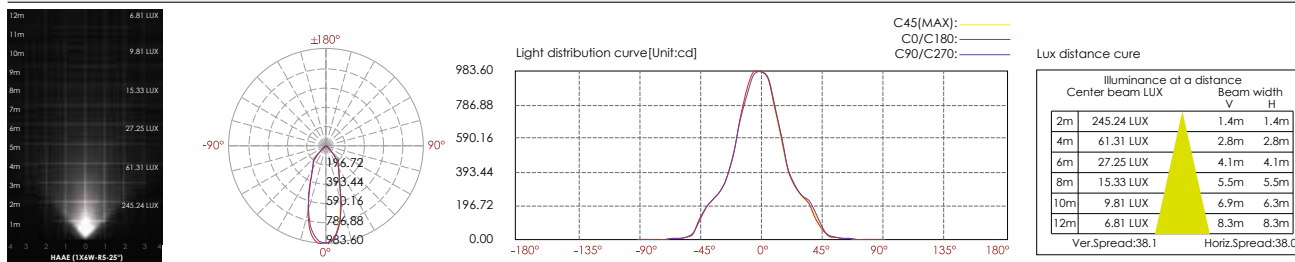
MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	1 Hard chrome-plated Stainless steel (SUS 304#, 316# optional)
LIGHT WINDOW	1 Tempered glass.T=4mm
LED	1 COB LED 6W
CABLE GLAND	1 IP-68 PG-9 PA66
BRACKET	1 Powder coated aluminum
REFLECTOR	1 Optical Reflector efficiency≥90%
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
SPIKE	1 ABS spike 5

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAE	1×6W	40°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool White = 758 Warm White = 662	04

PHOTOMETRIC CURVES

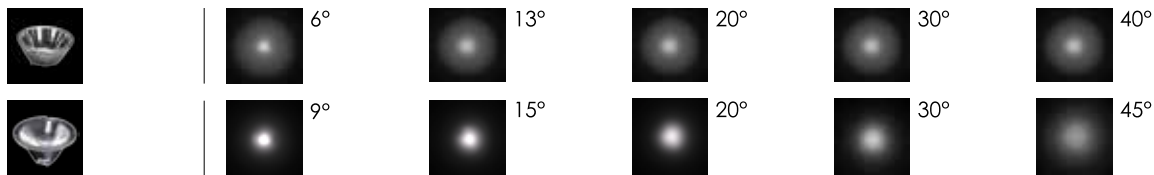




LED COLOUR TEMPERATURE

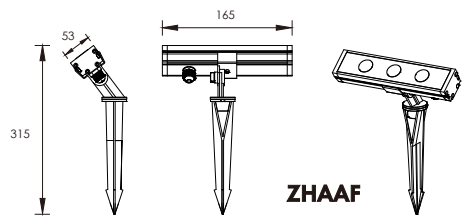
3000K · 6000K

OPTICS

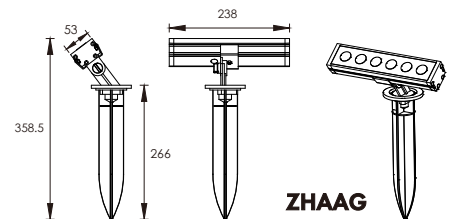


OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ZHAAF



ZHAAG

MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm,Adhesion of ISO class 1/ASTM class 4B
GLASS	1 Tempered glass,T=3mm
CABLE GLAND	1 IP-68 PG-9 PA66
LENS	1 Band form effect
BRACKET	1 Powder coated stainless steel
POWER CABLE	1 H05RN-F 2X1.0mm2 L=2.0m
SPIKE	ABS spike 5d(B3Q0357) ABS spike 7b(B3Q0657)

HOUSING COLOR OPTION



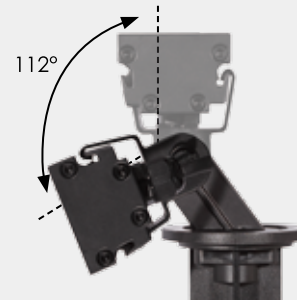
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAF	3×1.5W	30°	24V DC	250	6	Cool White = 493 Warm White = 362	05
ZHAAG	6×1.5W	20°	24V DC	416	10	Cool White = 900 Warm White = 815	05

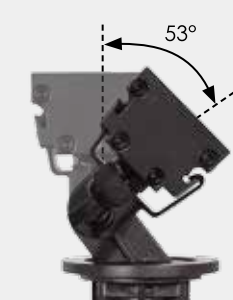


ADJUSTABLE BEAM DIRECTION

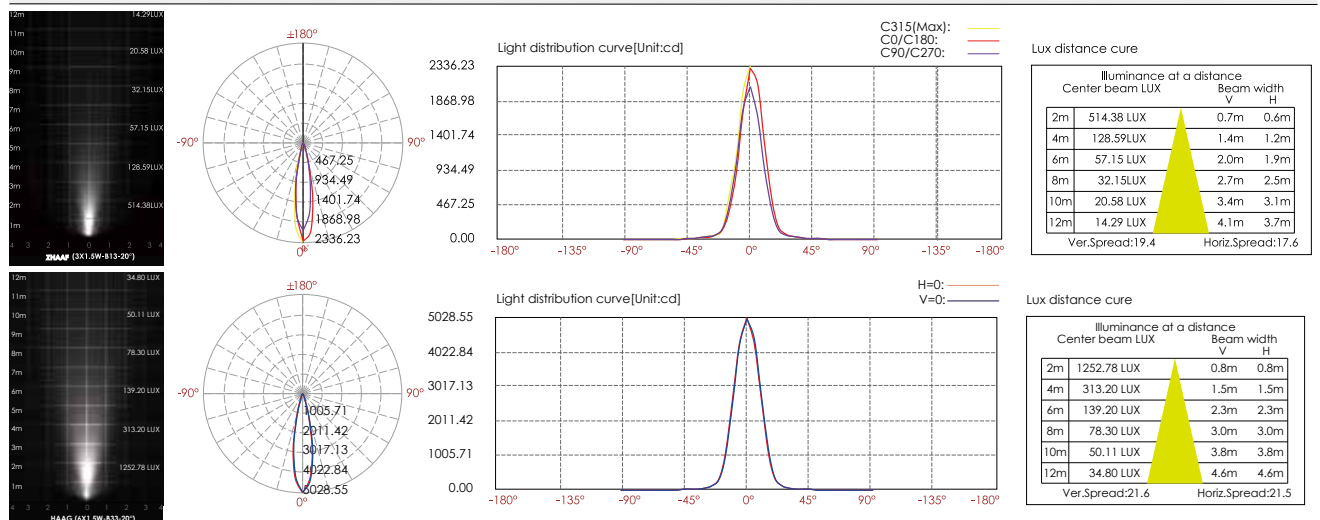
Approximately



Approximately



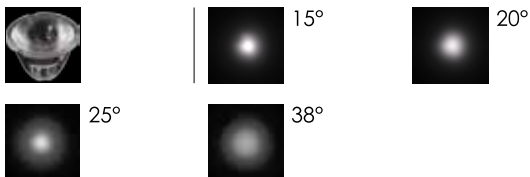
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

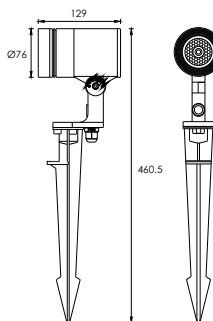
3000K • 6000K

OPTICS

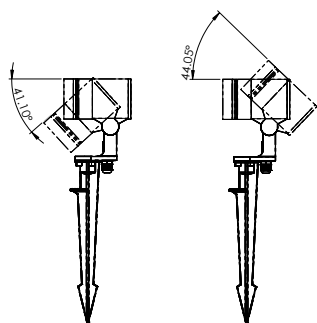


OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ADJUSTABLE BEAM DIRECTION



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass.T=4mm
LED DRIVER	1 Constant Voltage Input,Constant Current Output
LENS	1 Optical lens,efficiency≥85%
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
OPERATING TEMPERATURE	1 -20°C~40°C
SPIKE	1 ABS spike 6b(M4)
DIMMABLE SUPPORT	1 Triac PWM 1-10V Dali

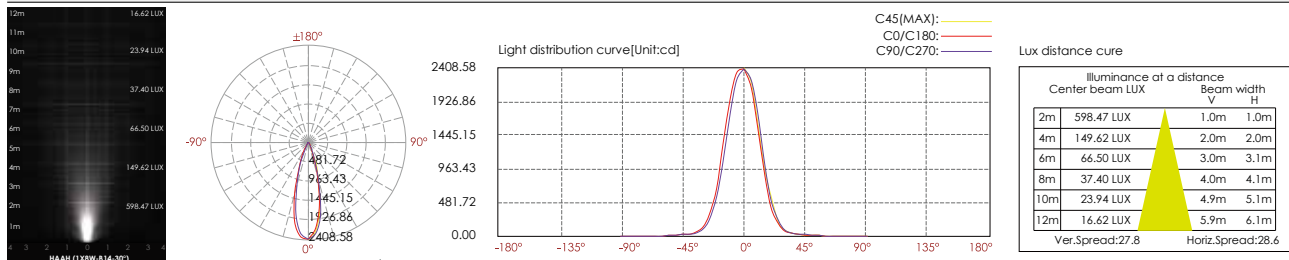
HOUSING COLOR OPTION

Basic	Secondary
Sanded Dark Grey	Silver Grey Sanded Black

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAH	1×8W COB	25°	24V DC 120/240	24V = 411 120V = 88 240V = 50	24V = 9.8 120V = 10.5 240V = 10.8	Cool White = 920 Warm White = 862	07

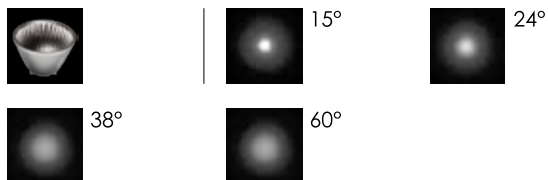
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

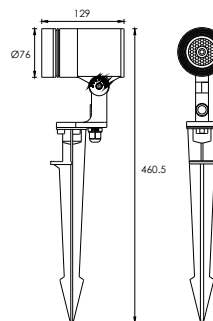
3000K • 6000K

OPTICS

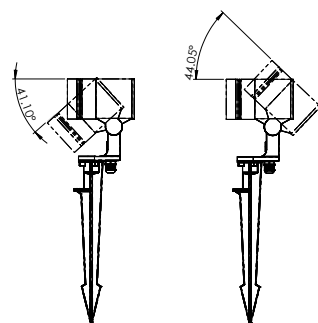


OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ADJUSTABLE BEAM DIRECTION



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass.T=4mm
LED DRIVER	1 Constant Voltage Input,Constant Current Output
REFLECTOR	1 Optical reflector,efficiency≥85%
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
OPERATING TEMPERATURE	1 -20°C~40°C
SPIKE	1 ABS spike 6b(M4)

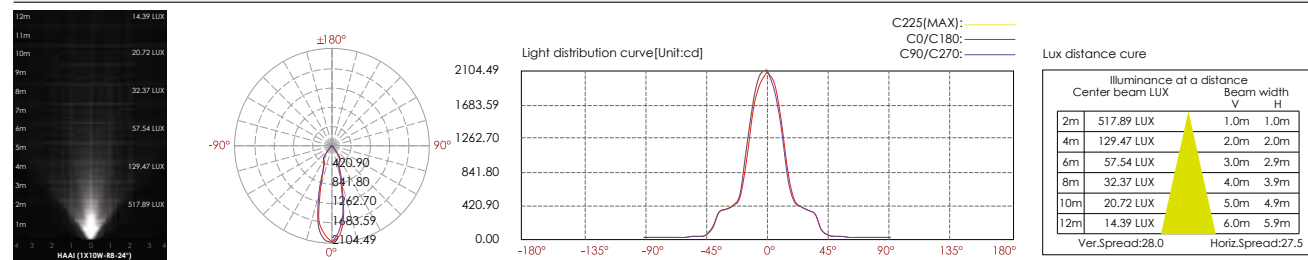
HOUSING COLOR OPTION

Basic	Secondary
Sanded Dark Grey	Silver Grey Sanded Black

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAI	1×10W COB	24°	24V DC 120/240	24V = 480 120V = 107 240V = 60	24V = 11.5 120V = 12.6 240V = 12.6	Cool White = 1050 Warm White = 956	07

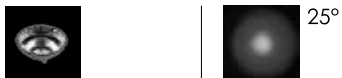
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS



25°

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

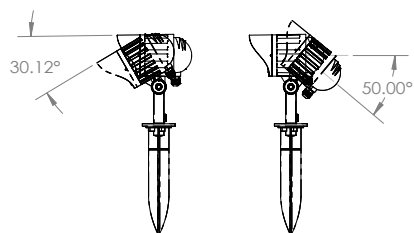


Hood --Optional Accessory

MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered glass,T=4mm
CABLE GLAND	IP67 PG-9 Copper and nicket coated
GASKET	Molding shaped silicone double seal
PCB	Excellent heat conductivity aluminum,coefficient of heat conductivity≥90%
LED DRIVER	Constant current output
REFLECTOR	Optical Reflector efficiency≥90%
OPERATING TEMPERATURE	-20°C~40°C
SPIKE	ABS spike 7a
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

ADJUSTABLE BEAM DIRECTION



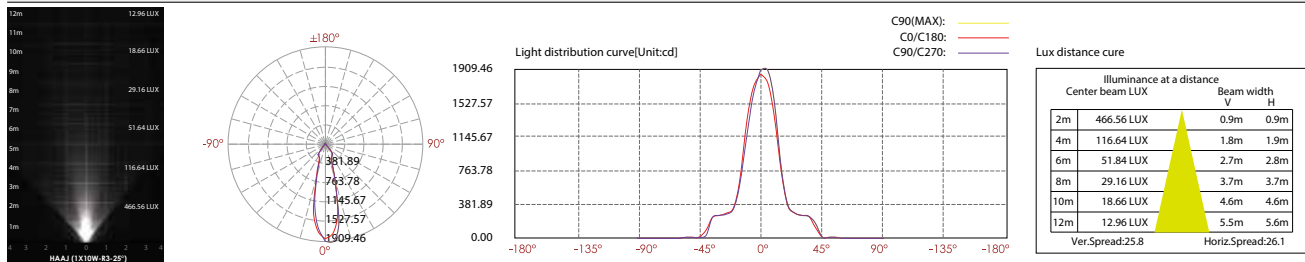
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAJ	1×10W COB	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

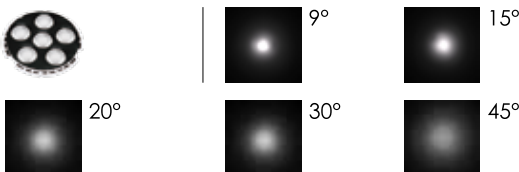
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

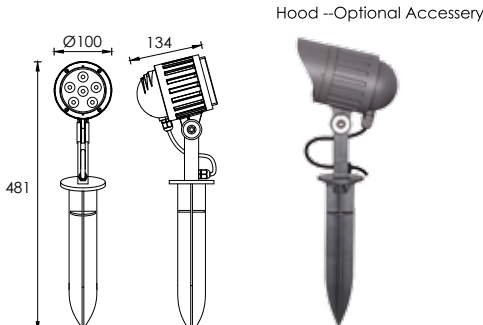
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm

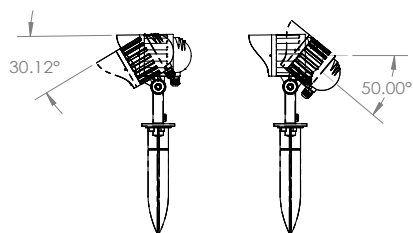


Hood --Optional Accessory

MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LENS	All-in-one optical lens,efficiency≥85%
LIGHT WINDOW	Tempered glass,T=4mm
CABLE GLAND	IP67 PG-9 Copper and nicket coated
GASKET	Molding shaped silicone double seal
PCB	Excellent heat conductivity aluminum,coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
SPIKE	ABS spike 7a
BRACKET	Powder coated die-casting aluminum
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

ADJUSTABLE BEAM DIRECTION



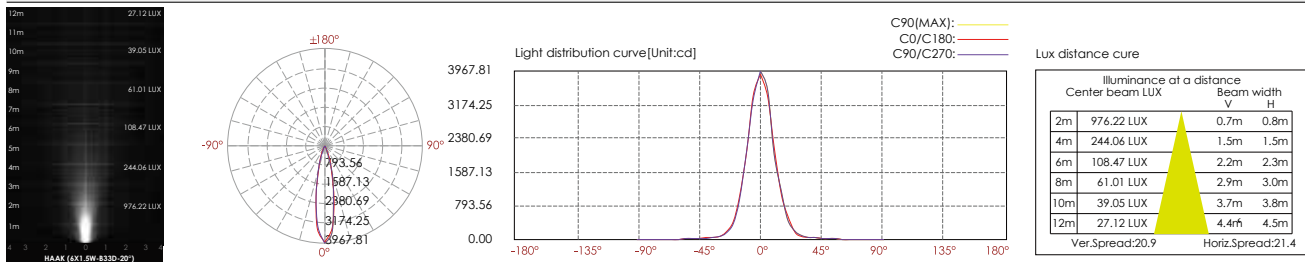
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAJ	6×1.5W	20°	24V DC 120/240	24V = 550 120V = 98 240V = 53	24V = 13.2 120V = 12 240V = 12	Cool White = 1004 Warm White = 775	05

PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

3000K · 6000K

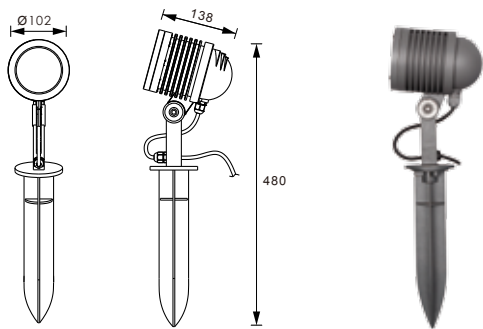
OPTICS



25°

OUTER DIMENSIONS & ACCESSORIES

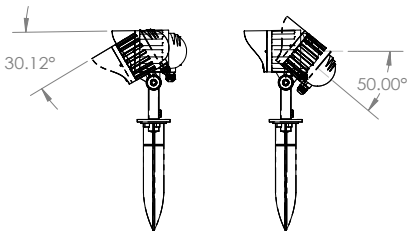
Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass.T=4mm
CABLE GLAND	1 IP 68 PG-9 PA66
GASKET	1 Molding shaped silicone double seal
PCB	1 Excellent heat conductivity aluminum,coefficient of heat conductivity≥90%
LED DRIVER	1 Constant current output
REFLECTOR	1 Optical Reflector efficiency≥90%
OPERATING TEMPERATURE	1 -20°C~40°C
SPIKE	1 ABS spike 7a
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

ADJUSTABLE BEAM DIRECTION



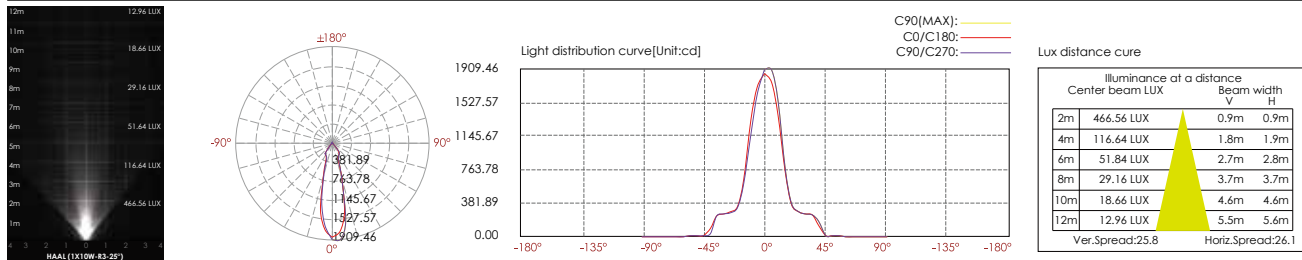
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAL	1×10W COB	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

3000K · 6000K

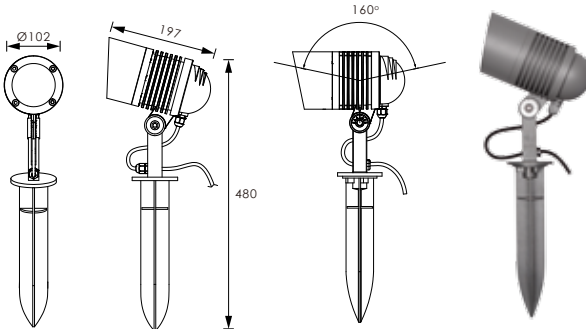
OPTICS



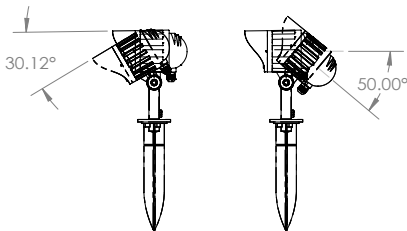
25°

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ADJUSTABLE BEAM DIRECTION



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass.T=4mm
CABLE GLAND	1 IP68 PG-9 PA66
GASKET	1 Molding shaped silicone double seal
PCB	1 Excellent heat conductivity aluminum,coefficient of heat conductivity≥90%
LED DRIVER	1 Constant current output
REFLECTOR	1 Optical Reflector efficiency≥90%
OPERATING TEMPERATURE	1 -20°C~40°C
SPIKE	1 ABS spike 7a
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

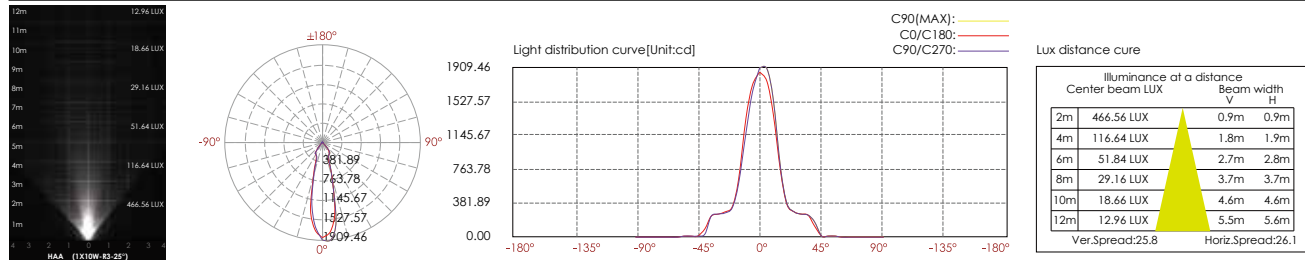
HOUSING COLOR OPTION

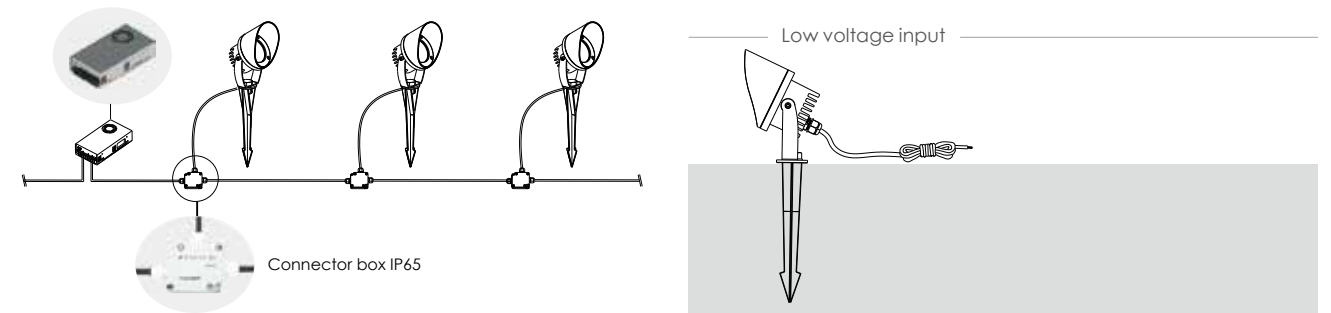


TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAM	1×10W COB	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

PHOTOMETRIC CURVES

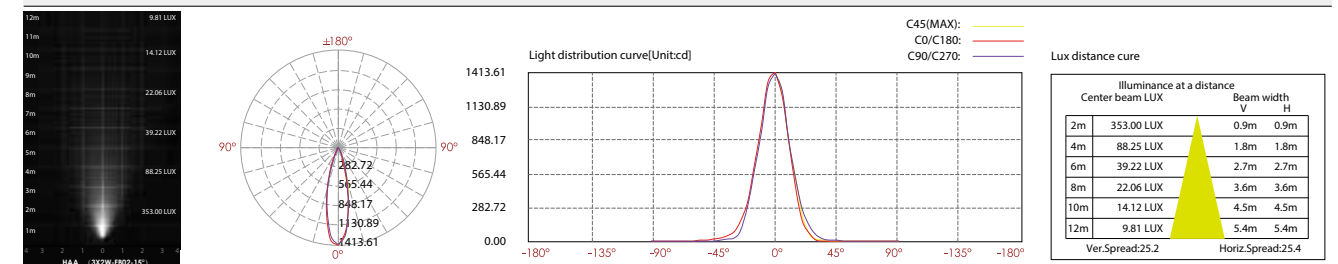


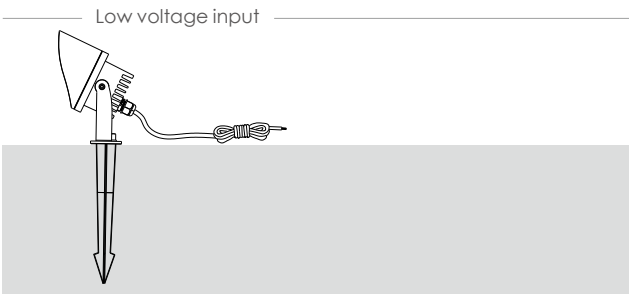
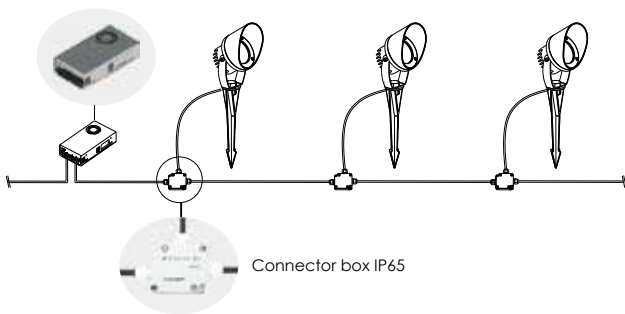


- 1.The output spec of selected power supply must comply with the fixture's input spec
- 2.Power supply load is not only selected according to the total power,but its VA
- 3.The circumstance must has good heat dissipation and moisture - proof for installation

PHOTOMETRIC CURVES

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAN	3×2W	15°	24V DC	225	24V = 5.4	Cool White = 415 Warm White = 393	07
ZHA AO	3×2W	15°	24V DC	225	24V = 5.4	Cool White = 415 Warm White = 393	07





Low voltage input demonstration
Low voltage power supplier

- 1.The output spec of selected power supply must comply with the fixture's input spec
- 2.Power supply load is not only selected according to the total power,but its VA
- 3.The circumstance must has good heat dissipation and moisfule - proof for installation

LED COLOUR TEMPERATURE

3000K · 6000K

HOUSING COLOR OPTION

Basic



Sanded Dark Grey

Secondary



Silver Grey



Sanded Black

OPTICS



18°



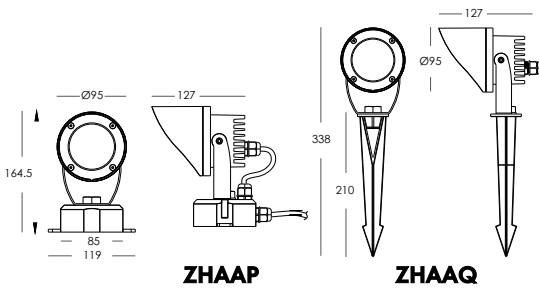
25°



40°

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



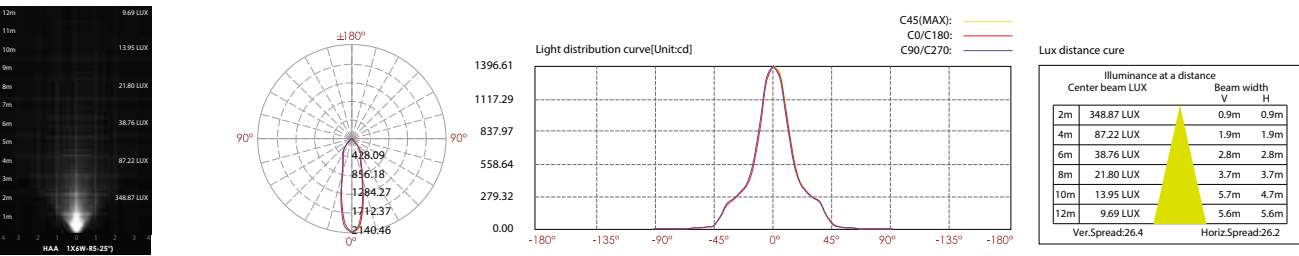
MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum . T=60-80µm Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass, T=4mm
CABLE GLAND	1 IP68 PG-9 PA66
LED DRIVER	1 Constant current output 600 mA
OPERATING TEMPERATURE	1 -20°C~ 30°C
POWER CABLE	1 H05RN-F 2X1.0mm2 L=2m
SPIKE	1 ABS Spike 5d

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAP	1×6W	25°	24V DC	270	6.5	Cool White = 646 Warm White = 576	07
ZHAQ	1×6W	25°	24V DC	270	6.5	Cool White = 646 Warm White = 576	07

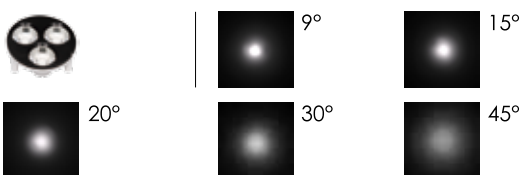
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

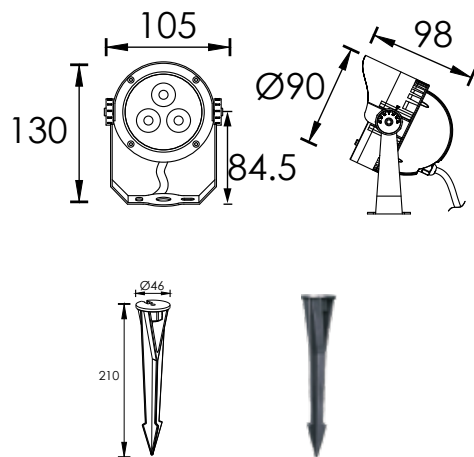
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LENS	All-in-one optical lens,efficiency≥85%
LIGHT WINDOW	Tempered glass,T=4mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Tooling shaped seal
BRACKET	Powder coated aluminum
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

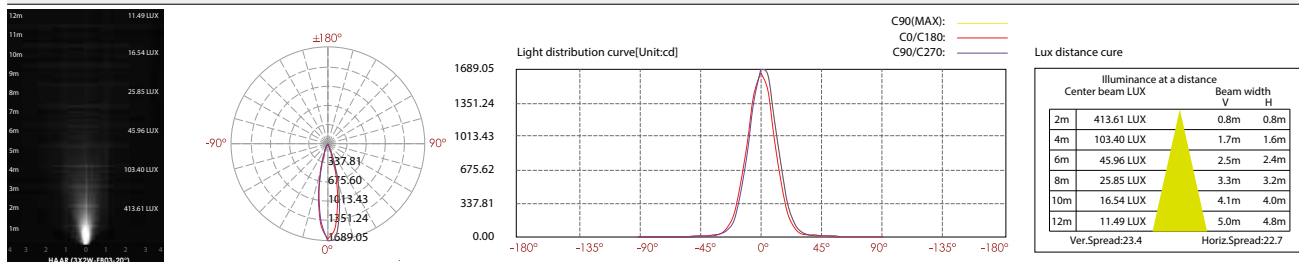
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAR	3×2W Single Color	20°	24V DC 120/240	24V = 240 120V = 51 240V = 30	24V = 5.7 120V = 6 240V = 6	Cool White = 466 Warm White = 383	07

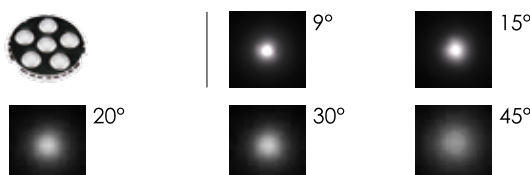
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

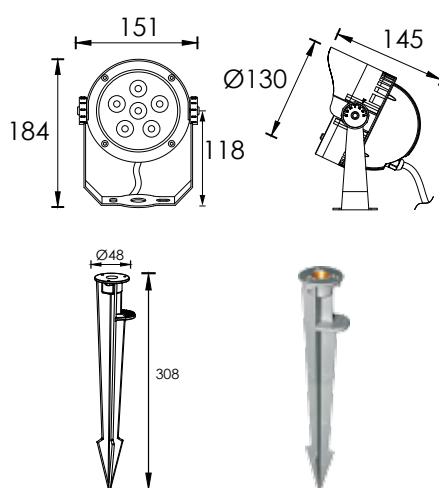
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LENS	All-in-one optical lens,efficiency≥85%
LIGHT WINDOW	Tempered glass,T=4mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Tooling shaped seal
BRACKET	Powder coated aluminum
POWER CABLE	H05RN-F 2X1.0mm2L=2.0m(low voltage) H05RN-F 3X1.0mm2L=2.0m(high voltage)
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

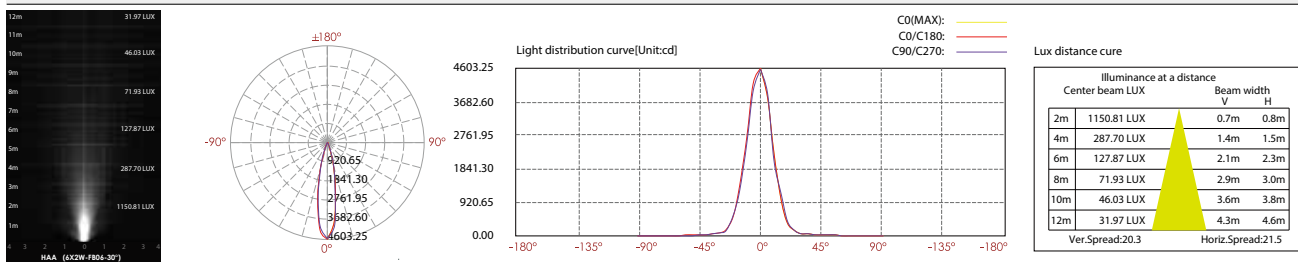
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAS	6×2W Single Color	20°	24V DC 120/240	24V = 558 120V = 97 240V = 57	24V = 13.4 120V = 11.5 240V = 12.6	Cool White = 1117 Warm White = 835	08

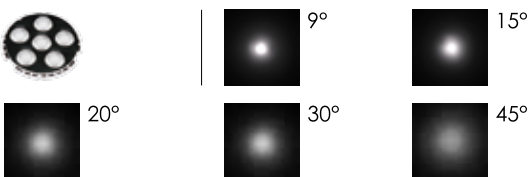
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

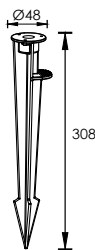
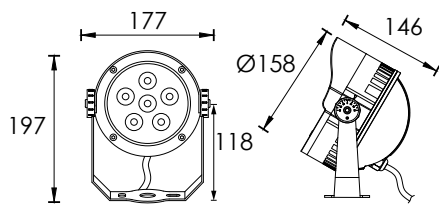
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LENS	1 All-in-one optical lens,efficiency≥85%
LIGHT WINDOW	1 Tempered glass.T=4mm
CABLE GLAND	1 IP68 PG-9 PA66
GASKET	1 Tooling shaped seal
BRACKET	1 Powder coated aluminum
POWER CABLE	H05RN-F 2X1.0mm ² L=2.0m(low voltage) H05RN-F 3X1.0mm ² L=2.0m(high voltage)
DIMMABLE SUPPORT	1 Triac PWM 1-10V Dali

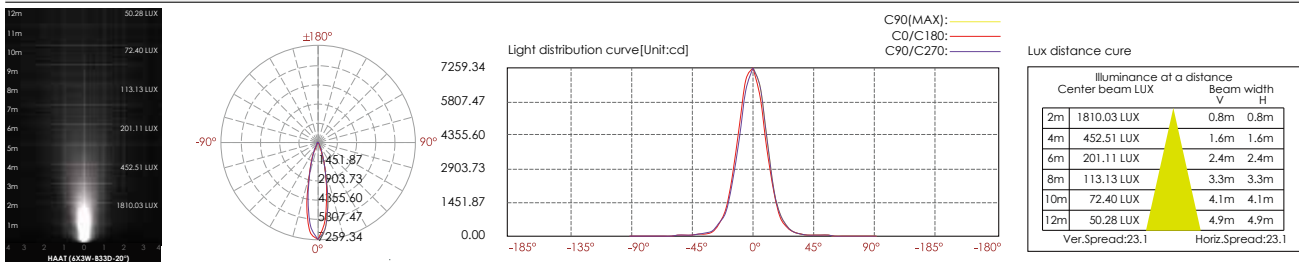
HOUSING COLOR OPTION

Basic	Secondary
Sanded Dark Grey	Silver Grey Sanded Black

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAT	6×3W	20°	24V DC 120/240	24V = 850 120V = 156 240V = 84	24V = 20.4 120V = 18.6 240V = 18.8	Cool White = 1833 Warm White = 1580	08

PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

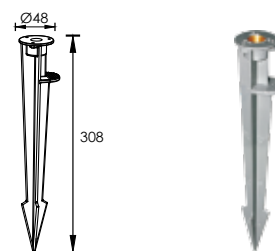
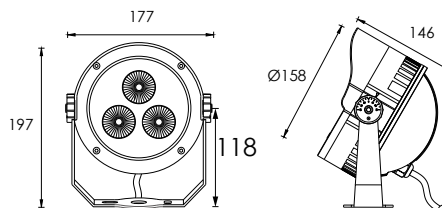
3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
BRACKET	1 Powder coated aluminum
LIGHT WINDOW	1 Tempered glass.T=4mm
REFLECTOR	1 Optical Reflector efficiency≥90%
CABLE GLAND	1 IP68 PG-9 PA66
GASKET	1 Tooling shaped seal
POWER CABLE	H05RN-F 2X1.0mm ² L=2.0m(low voltage) H05RN-F 3X1.0mm ² L=2.0m(high voltage)

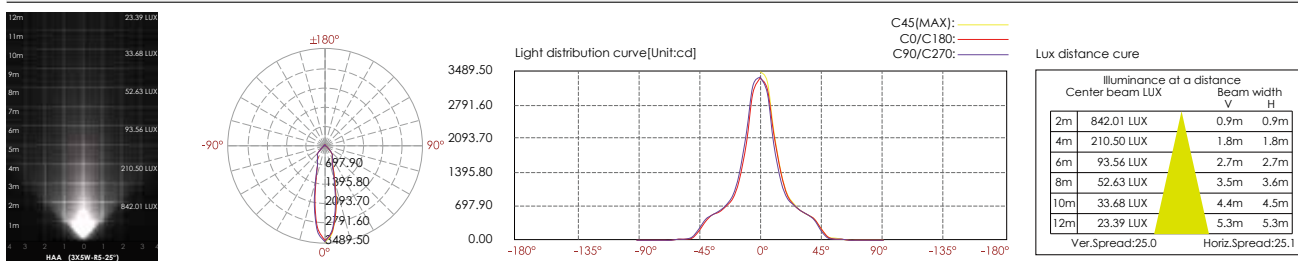
HOUSING COLOR OPTION

Basic	Secondary
Sanded Dark Grey	Silver Grey Sanded Black

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAU	3×5W COB	25°	120/240	120V = 154 240V = 82	120V = 18.5 240V = 18.5	Cool White = 1745 Warm White = 1516	08

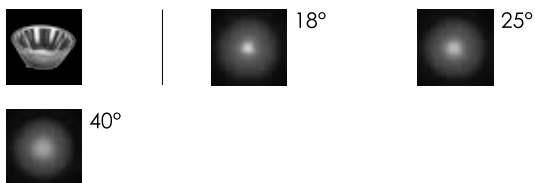
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

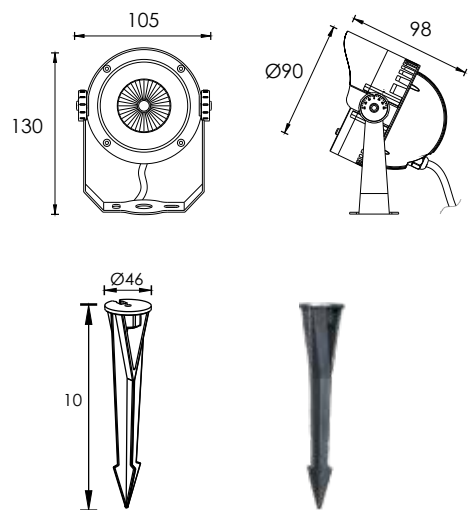
3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm,Adhesion of ISO class 1/ASTM class 4B
BRACKET	1 Powder coated aluminum
LIGHT WINDOW	1 Tempered glass,T=4mm
REFLECTOR	1 Optical Reflector efficiency≥90%
CABLE GLAND	1 IP68 PG-9 PA66
GASKET	1 Tooling shaped seal
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

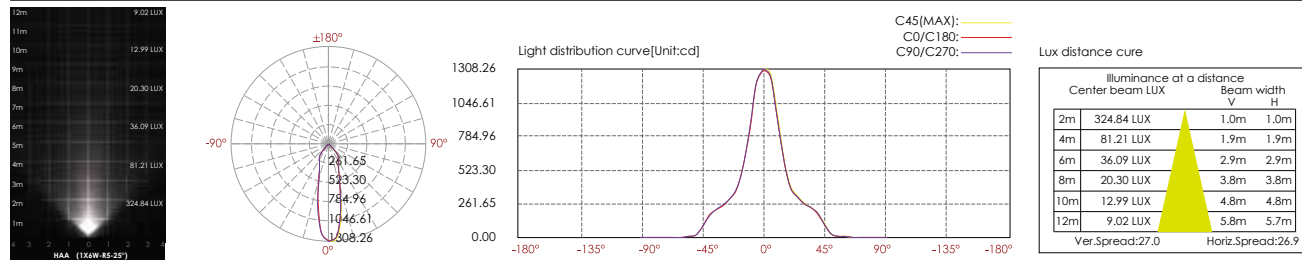
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAV	1×6W COB	25°	24V DC 120/240	24V = 270 120V = 60 240V = 39	24V = 6.5 120V = 7 240V = 7.1	Cool White = 734 Warm White = 628	07

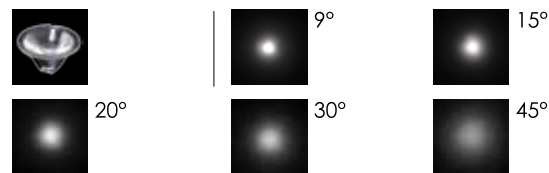
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

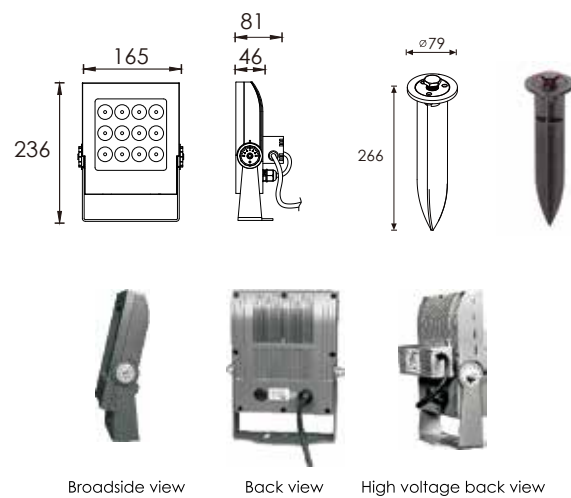
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

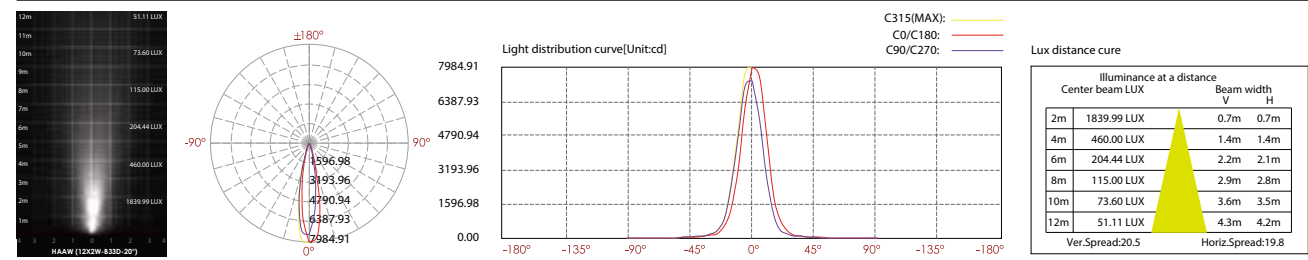
Unit:mm



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAW	12×1.5W	20°	24V DC 120/240	24V = 1051 120V = 143 240V = 79	24V = 25 120V = 17 240V = 18	Cool White = 1818 Warm White = 1373	08

PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS

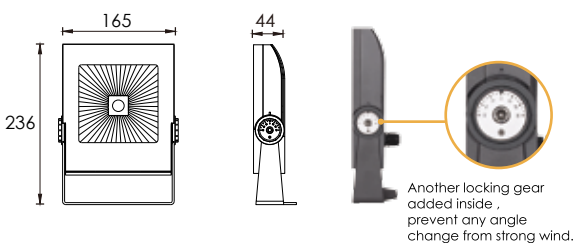


100°



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass, T=4mm
CABLE GLAND	1 IP68 PG-9 PA66
GASKET	1 Tooling shaped seal
BRACKET	1 Powder coated aluminum
REFLECTOR	1 Optical Reflector efficiency≥90%
POWER CABLE	1 H05RN-F 2X1.0mm2 L=2.0m(low voltage) 1 H05RN-F 3X1.0mm2 L=2.0m(high voltage)

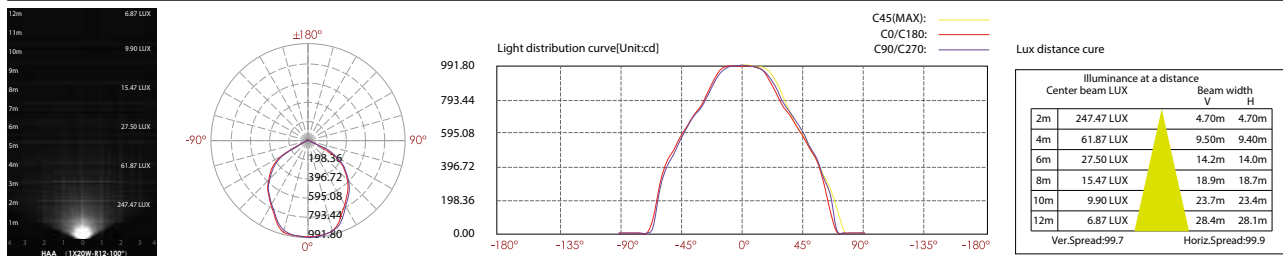
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAX	1×20W	100°	24V DC 120/240	24V = 960 120V = 205 240V = 105	24V = 23 120V = 24 240V = 24.4	Cool White = 1885 Warm White = 1678	08

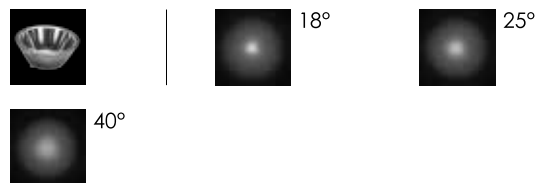
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

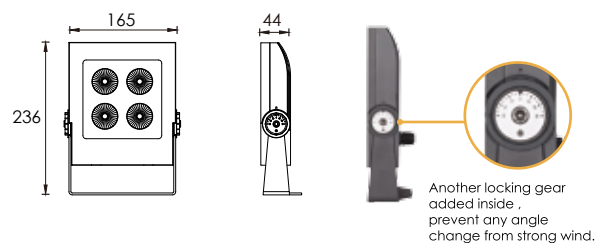
3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

Housing	12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Light Window	1 Tempered glass, T=4mm
Cable gland	1 IP68 PG-9 PA66
Gasket	1 Tooling shaped seal
Bracket	1 Powder coated aluminum
Reflector	1 Optical Reflector efficiency≥90%
Power Cable	1 H05RN-F 2X1.0mm2 L=2.0m(low voltage) 1 H05RN-F 3X1.0mm2 L=2.0m(high voltage)

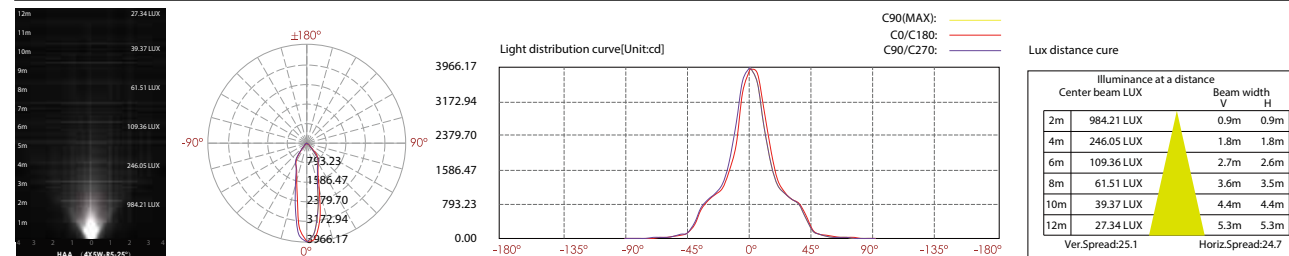
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHAAY	4×5W COB	25°	24V DC 120/240	24V = 917 120V = 196 240V = 114	24V = 22 120V = 23.3 240V = 24	Cool White = 2206 Warm White = 1740	08

PHOTOMETRIC CURVES



SPOT LIGHT

WALL MOUNTING FLOOD & SPOT LIGHT

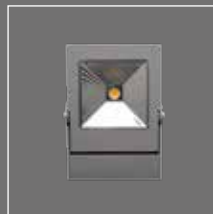
product overview



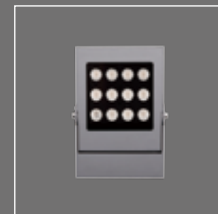
184



185



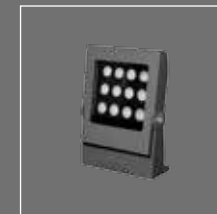
186



188



189



190



191



192

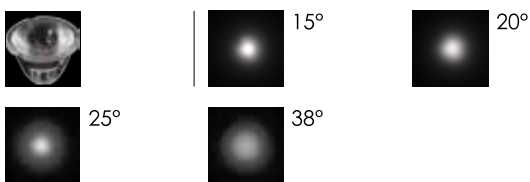


194

LED COLOUR TEMPERATURE

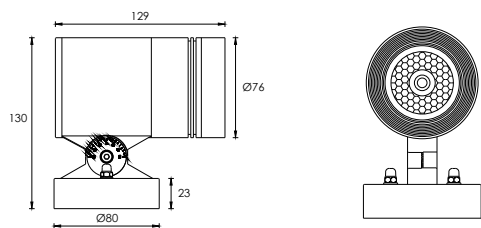
2000K · 3000K · 6000K

OPTICS

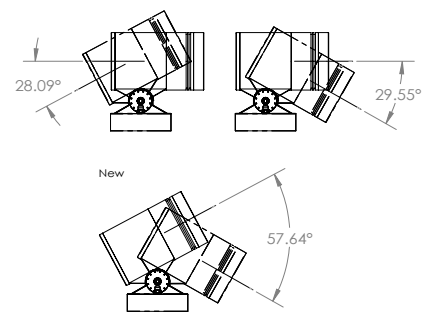


OUTER DIMENSIONS & ACCESSORIES

Unit:mm



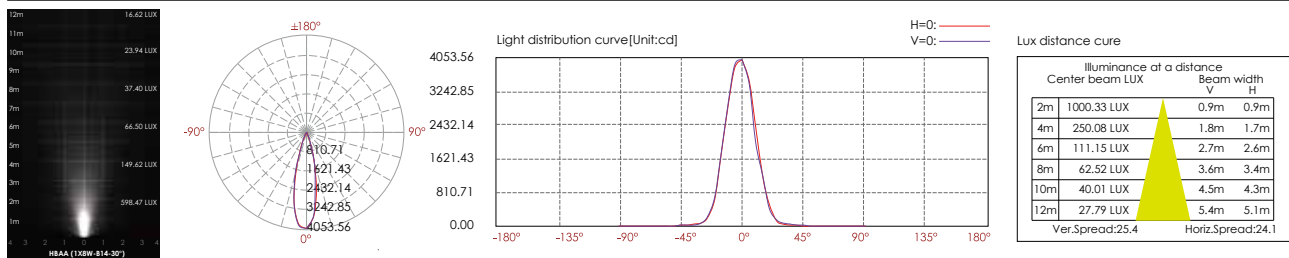
ADJUSTABLE BEAM DIRECTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAA	1×8W COB	25°	24V DC	24V = 411	24V = 9.8	Cool White = 920 Warm White = 862	07
			120V/240	120V = 88	120V = 10.5		
				240V = 50	240V = 10.8		

PHOTOMETRIC CURVES



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered glass.T=4mm
LED DRIVER	Constant Voltage Input,Constant Current Output
LENS	Optical lens,efficiency≥85%
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
OPERATING TEMPERATURE	-20°C~40°C
MOUNTING BASE	Powder coated die-casting aluminum
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

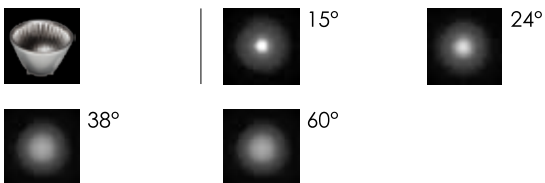
HOUSING COLOR OPTION



LED COLOUR TEMPERATURE

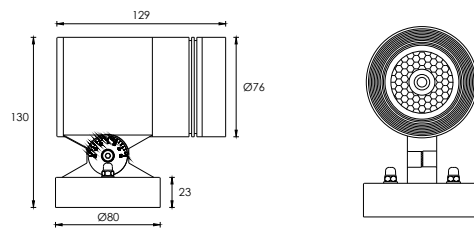
3000K · 6000K

OPTICS

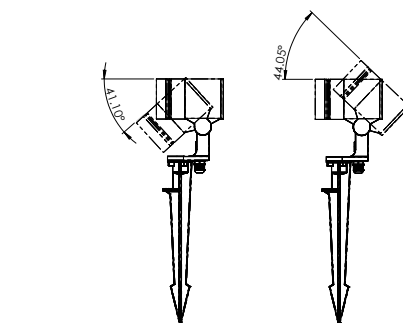


OUTER DIMENSIONS & ACCESSORIES

Unit:mm



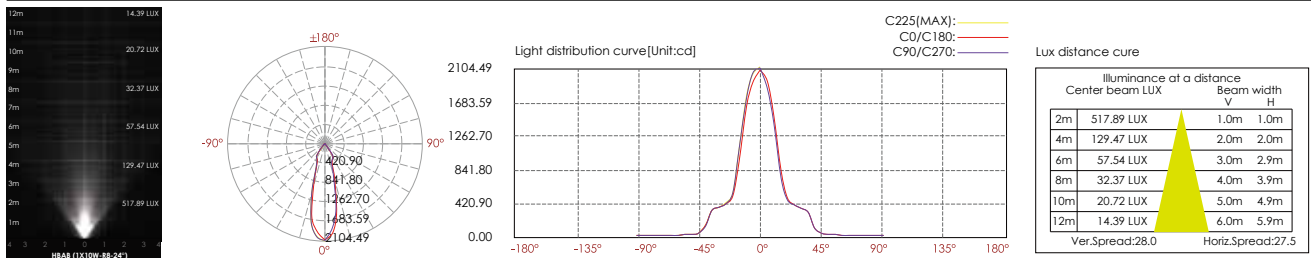
ADJUSTABLE BEAM DIRECTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAB	1×10W COB	24°	24V DC	24V = 480	24V = 11.5	Cool White = 1050 Warm White = 956	07
			120V/240	120V = 107	120V = 12.6		
				240V = 60	240V = 12.6		

PHOTOMETRIC CURVES





LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS



100°

HOUSING COLOR OPTION

Basic

Secondary



Sanded Dark Grey



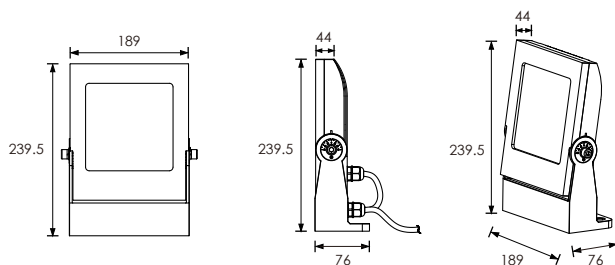
Silver Grey



Sanded Black

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



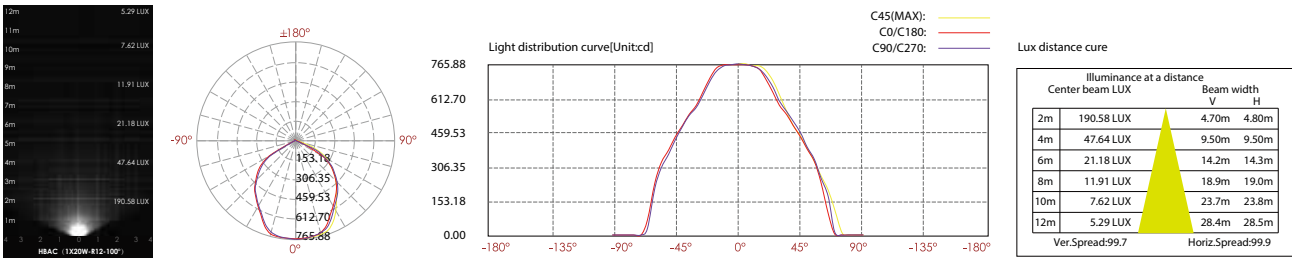
MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered glass. T=4mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Tooling shaped seal
BRACKET	Powder coated aluminum
REFLECTOR	Optical Reflector efficiency≥90%
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAC	1×20W	100°	24V DC 120/240	24V = 960 120V = 205 240V = 105	24V = 23 120V = 24 240V = 24.4	Cool White = 1885 Warm White = 1678	08

PHOTOMETRIC CURVES

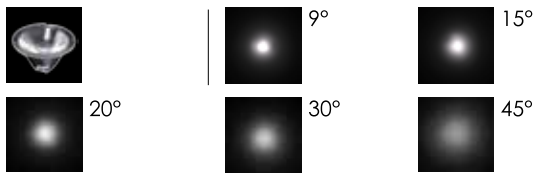




LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS

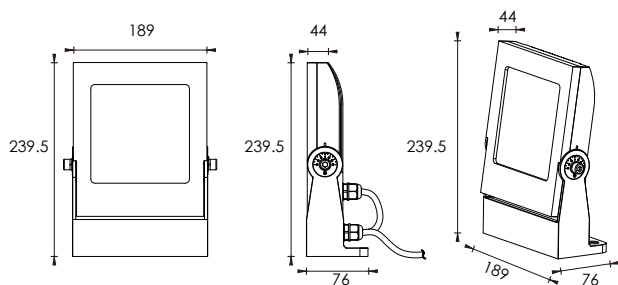


HOUSING COLOR OPTION



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



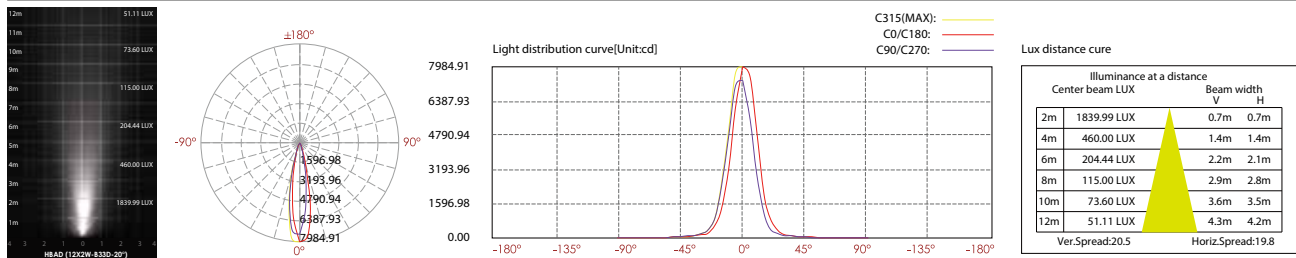
MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass. T=4mm
CABLE GLAND	1 IP68 PG-9 PA66
GASKET	1 Tooling shaped seal
BRACKET	1 Powder coated aluminum
LENS	1 Optical lens,efficiency≥90%
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
DIMMABLE SUPPORT	1 Triac PWM 1-10V Dali

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAD	12×2W	20°	24V DC 120/240	24V = 1051 120V = 143 240V = 79	24V = 25 120V = 17 240V = 18	Cool White = 1818 Warm White = 1373	08

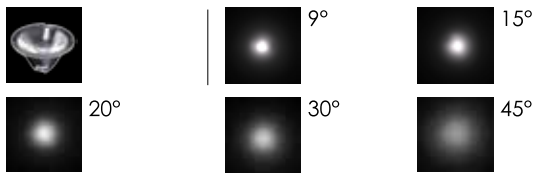
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS

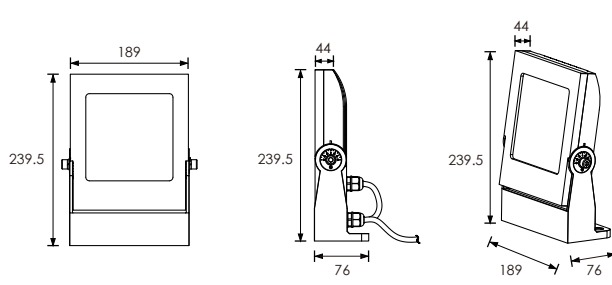


HOUSING COLOR OPTION



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



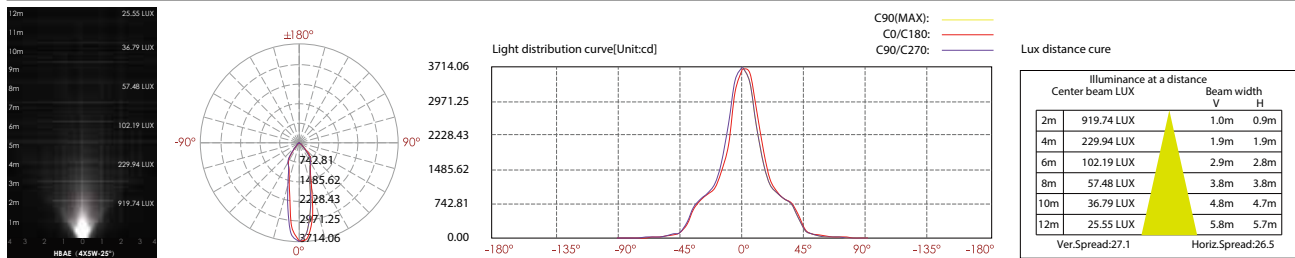
MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass. T=4mm
CABLE GLAND	1 IP68 PG-9 PA66
GASKET	1 Tooling shaped seal
BRACKET	1 Powder coated aluminum
REFLECTOR	1 Optical Reflector efficiency≥90%
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAE	4×5W	25°	24V DC 120/240	24V = 917 120V = 196 240V = 114	24V = 22 120V = 23.3 240V = 24	Cool White = 2206 Warm White = 1704	08

PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

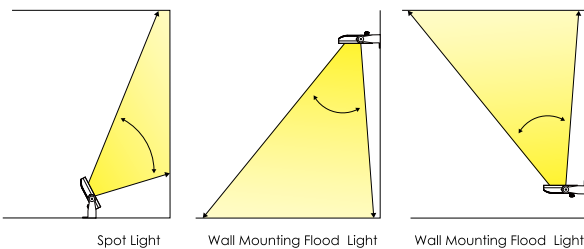
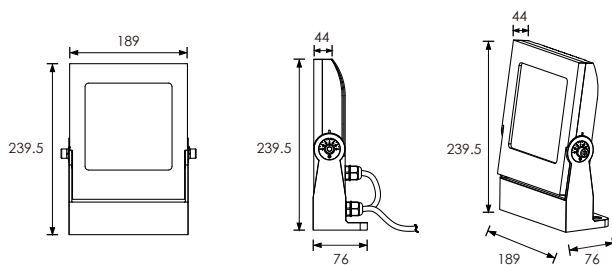
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTION

Basic



Sanded Dark Grey

Secondary



Silver Grey



Sanded Black

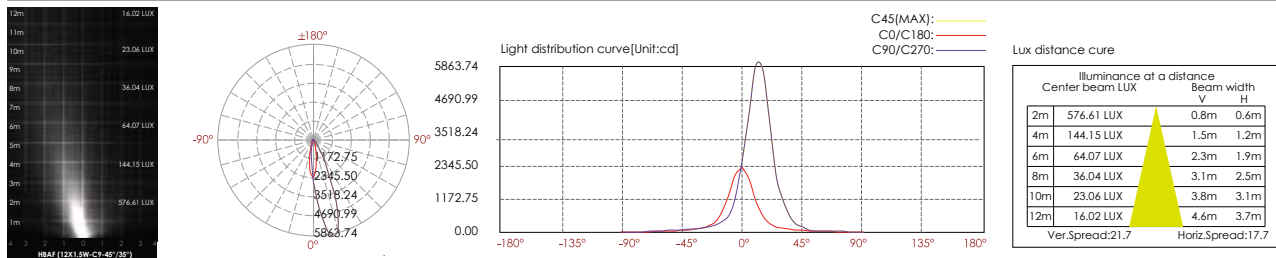
MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B		
BRACKET	1 Powder coated aluminum		
LIGHT WINDOW	1 Tempered glass. T=4mm		
REFLECTOR	1 Optical Reflector efficiency≥90%		
CABLE GLAND	1 IP68 PG-9 PA66		
GASKET	1 Tooling shaped seal		
POWER CABLE	24V: H05RN-F 2×1.0mm ² L=2M(Single) 100/240V: H05RN-F 3×1.0mm ² L=2M(Single)		
DIMMABLE SUPPORT	1 Triac PWM 1-10V Dali		

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAG	12×1.5W	45°	24V DC 120/240	24V = 1051 120V = 143 240V = 79	24V = 25 120V = 18 240V = 18	Cool White = 1355 Warm White = 1206	08
		35°					

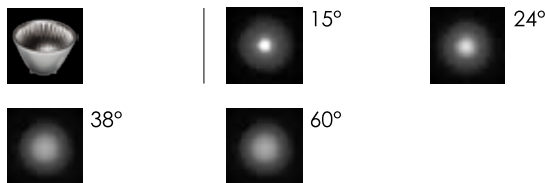
PHOTOMETRIC CURVES



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS



HOUSING COLOR OPTION

Basic



Sanded Dark Grey

Secondary

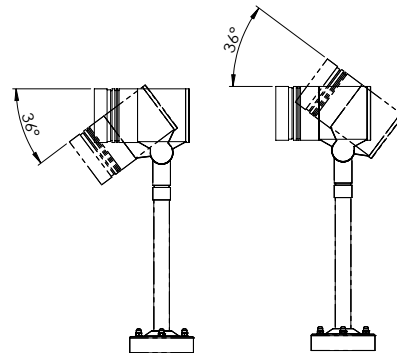


Silver Grey



Sanded Black

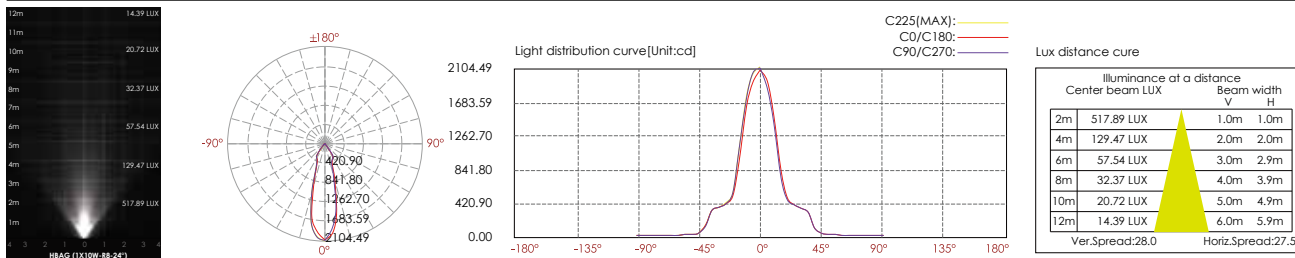
ADJUSTABLE BEAM DIRECTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAG	1×10W COB	24°	24V DC 120/240	24V = 480 120V = 107 240V = 60	24V = 11.5 120V = 12.6 240V = 12.6	Cool White = 1050 Warm White = 956	07

PHOTOMETRIC CURVES



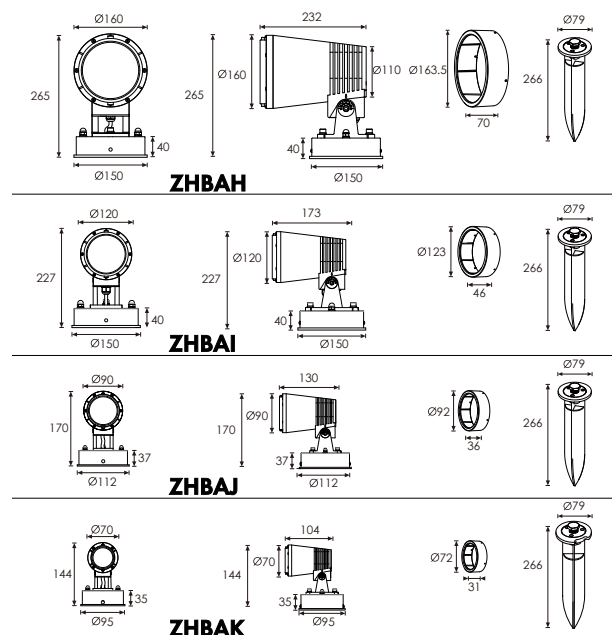


LED COLOUR TEMPERATURE

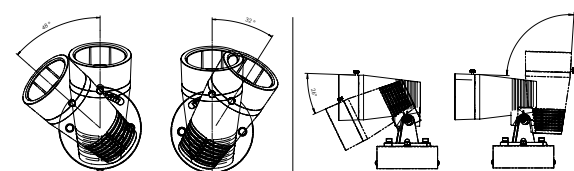
2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

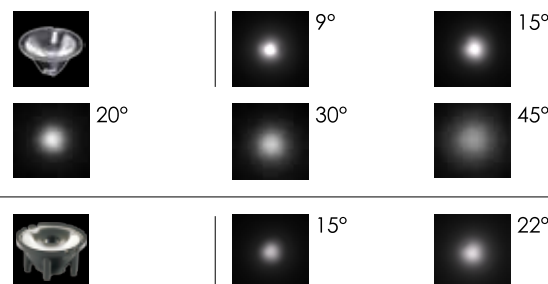
Unit:mm



ADJUSTABLE BEAM DIRECTION



OPTICS



MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=3mm
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- POWER CABLE** | H05RN-F 2X1.0mm² L=0.3 m (low voltage)
H05RN-F 3X1.0mm² L=0.3 m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

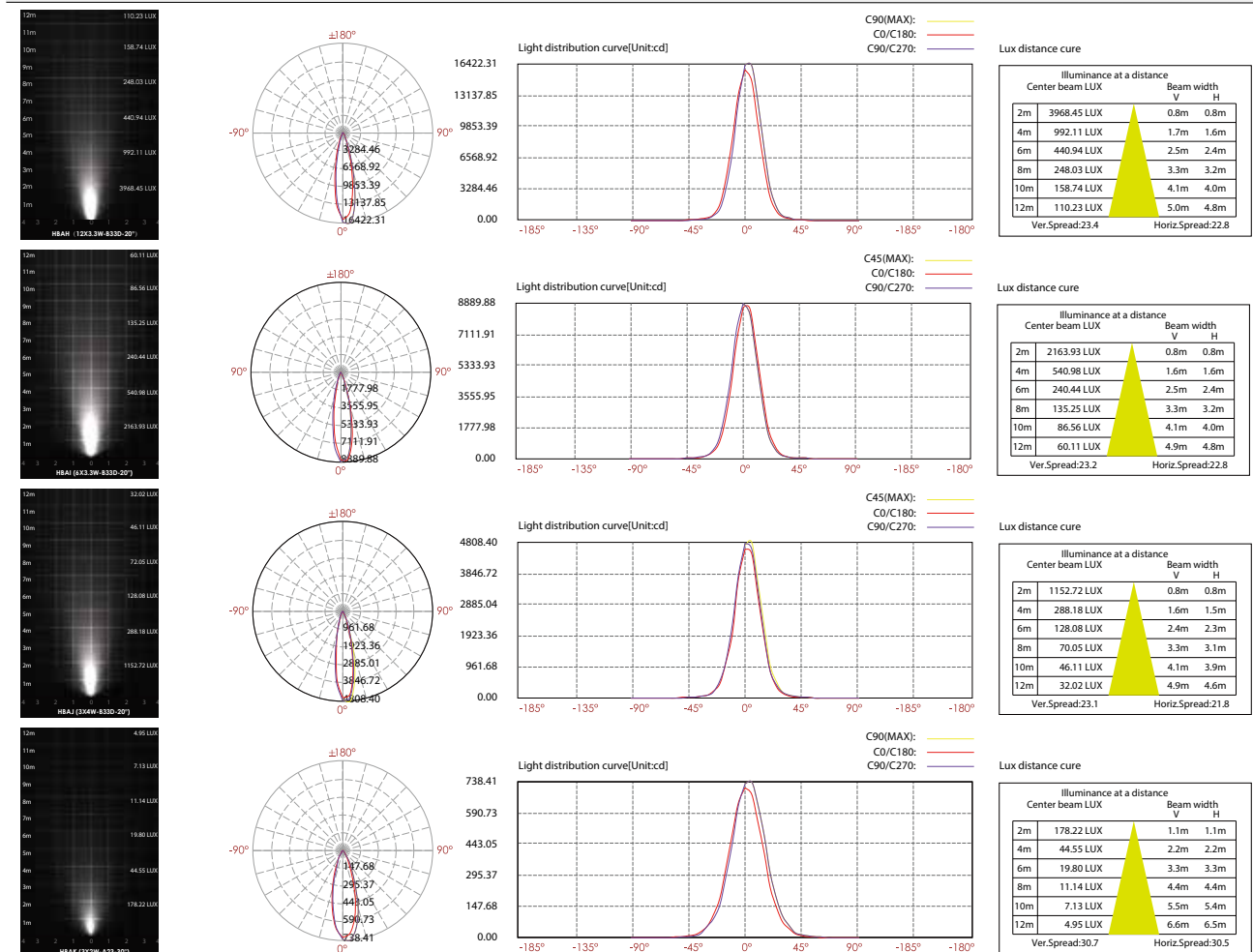
HOUSING COLOR OPTION



TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAH	12×3.3W	20°	120/240V	120V = 366 240V = 186	120V = 44.2 240V = 44	Cool White = 4035 Warm White = 3431	06
ZHBAL	6×3.3W	20°	120/240	120V = 196 240V = 101	120V = 23.1 240V = 23.3	Cool White = 2017 Warm White = 1855	06
ZHBAJ	3×4W	20°	120/240	120V = 118 240V = 65	120V = 14.5 240V = 15.1	Cool White = 1230 Warm White = 1018	06
ZHBAK	3×2W	30°	24V DC 120/240	24V = 300 120V = 110 240V = 65	24V = 7.2 120V = 8.3 240V = 8.5	Cool White = 298 Warm White = 263	05

PHOTOMETRIC CURVES



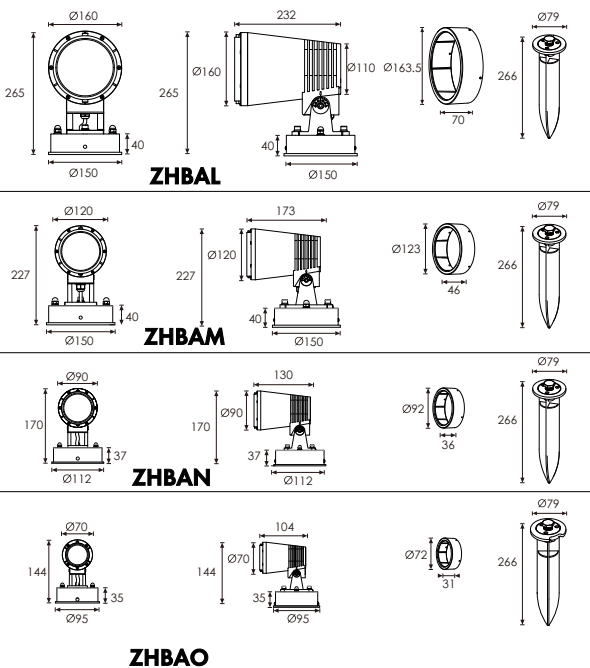


LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

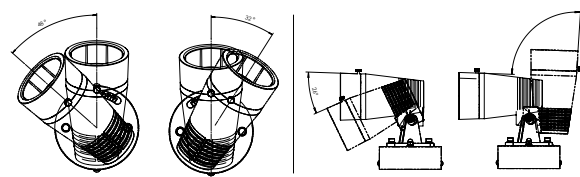
Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	1 Tempered glass.T=3mm
REFLECTOR	1 Optical Reflector efficiency≥90%
LED DRIVER	1 Constant Voltage Input,Constant Current Output
CABLE GLAND	1 IP68 PG-9 PA66
GASKET	1 Tooling shaped seal
POWER CABLE	H05RN-F 2X1.0mm2 L=0.3m(low voltage) H05RN-F 3X1.0mm2 L=0.3m(high voltage)

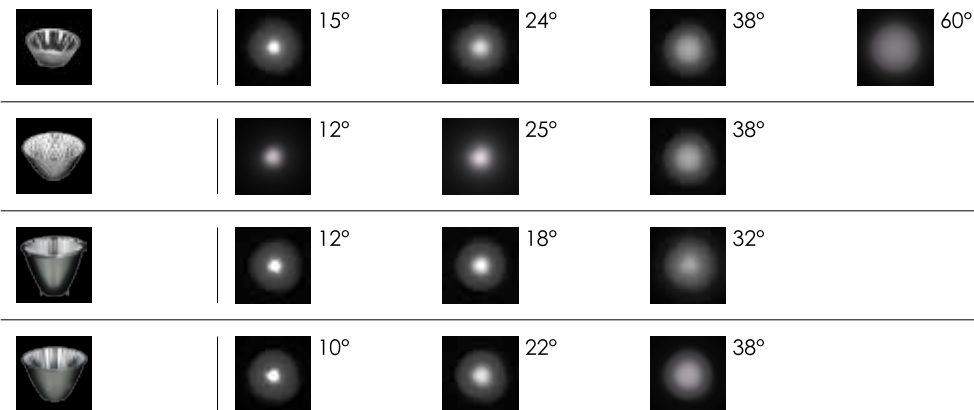
ADJUSTABLE BEAM DIRECTION



HOUSING COLOR OPTION



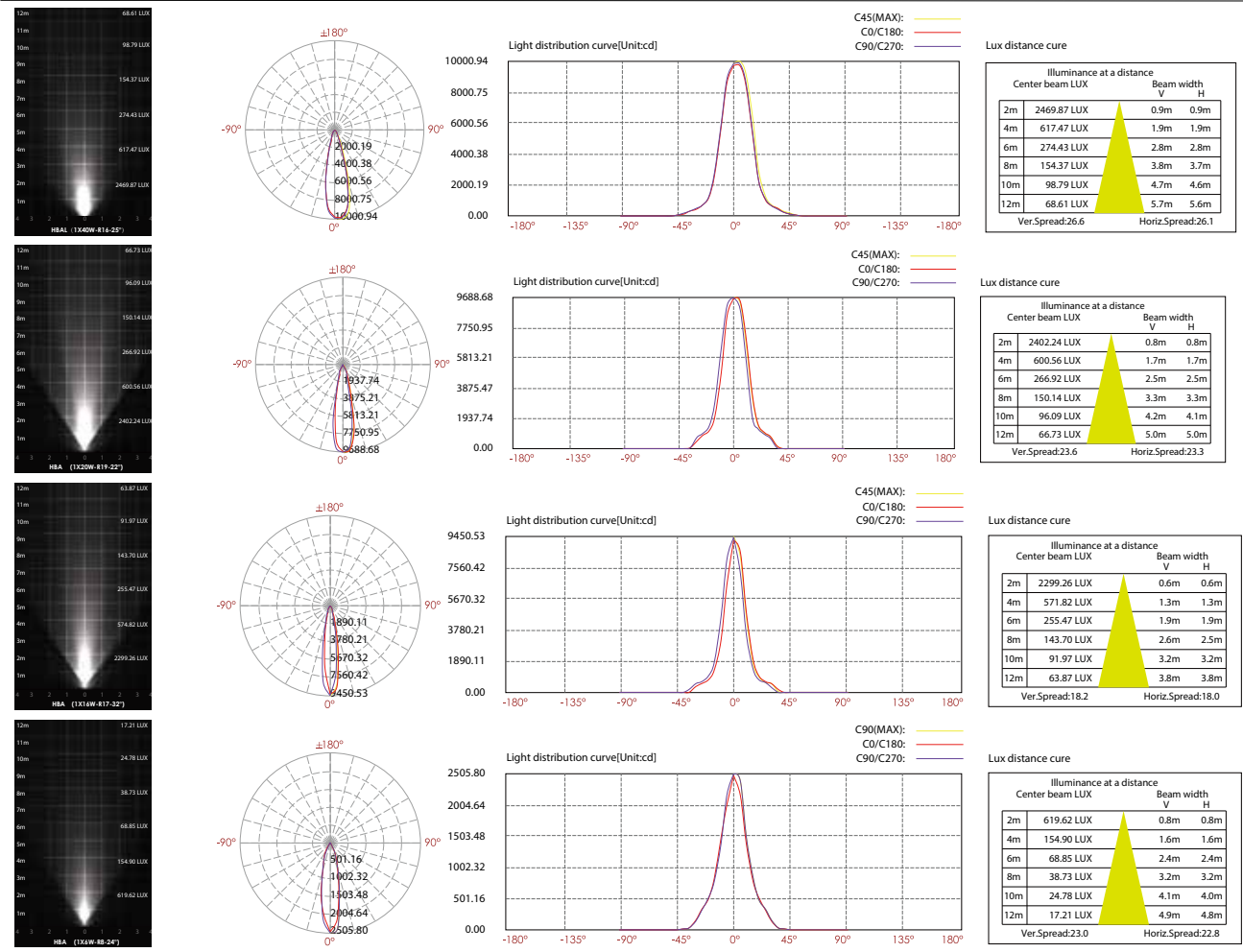
OPTICS



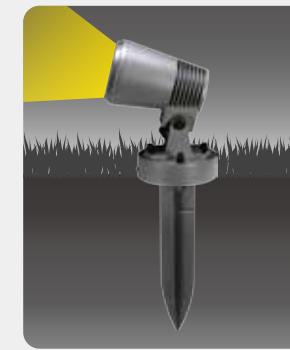
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZHBAL	1×40W COB	25°	120/240V	120V = 372 240V = 187	120V = 44.8 240V = 44.5	Cool White = 3338 Warm White = 2949	06
ZHBAM	1×20W COB	22°	24V DC 120/240	24V = 960 120V = 205 240V = 108	24V = 23 120V = 23.5 240V = 24.2	Cool White = 1753 Warm White = 1543	06
ZHBAN	1×16W COB	32°	24V DC 120/240	24V = 700 120V = 145 240V = 80	24V = 17 120V = 17 240V = 17	Cool White = 1315 Warm White = 1225	06
ZHBAO	1×6W COB	24°	24V DC 120/240	24V = 320 120V = 65 240V = 37	24V = 7.5 120V = 7.7 240V = 7.8	Cool White = 730 Warm White = 646	05

PHOTOMETRIC CURVES



FEATURES



Bellow accessories can combine the series of Single Chip/RGB/COB

ACCESSORIES OPTION : SPIKE



ACCESSORIES OPTION : HOOD

