

LEDLINE WAVE 1617S DMX RGBW

Underwater · Side Bending · Pixel RGBW

Features

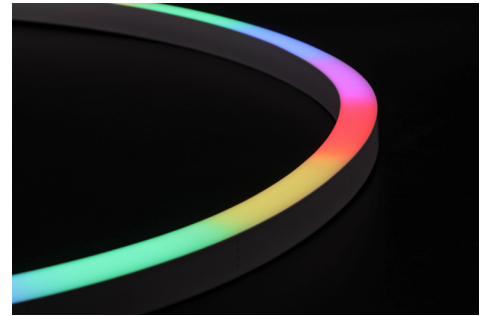
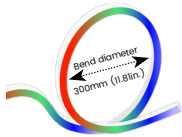
- Addressable RGBW lighting for underwater use with dynamic effects
- IP68 & IP69 rated, ideal for underwater and washdown use
- 3 years warranty

Applications

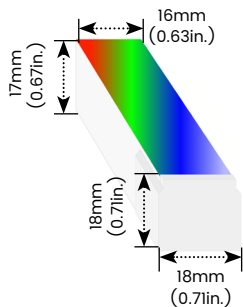
Pools, Fountains, Parkwaters, Ponds, Waterfeatures, etc.

Date	Fixture type
Project name	Project phase

Bending Directions & Diameters



Dimensions



Order Code

Assembly Builder

Model	Bend Direction	Voltage	Control	CCT	Power	Left Feed Entry
WAVE1617	S-Side bending	24V-DC24V	DMX-DMX control	RGBW827-RGBW(RA80 2700K) RGBW830-RGBW(RA80 3000K)	150-15W/M	F Front OW Open wire 30cm(0.98ft) B Bottom MC Male connector with 30cm(0.98ft) cable S Side FC Female connector with 30cm(0.98ft) cable C Closed NA Only for Closed Feed Entry

Assembly Builder

Mounting Order Code

Right Feed Entry			Length	
F Front	OW	Open wire 30cm(0.98ft)	Max. nominal	5m (16.4ft)
B Bottom	MC	Male connector with 30cm(0.98ft) cable	Increment	83mm(3.28in.)
S Side	FC	Female connector with 30cm(0.98ft) cable		
C Closed	NA	Only for Closed Feed Entry		

Product Code
Please select on the Mounting Options page

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

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Lumen Output (lm/m)

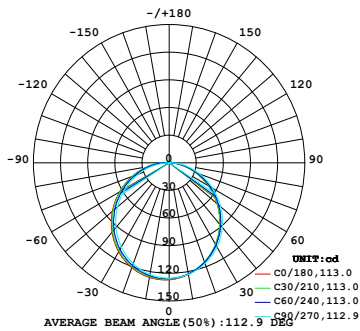
CCT	Side Bending
	15W/M
R	44
G	145
B	35
W27K	153
W30K	164
RGBW27K	352
RGBW30K	366
Max. Run Length	5m

Technical Details

Parameter	Side Bending
Efficacy	24.4lm/W @RGBW30K 15W
CRI	Ra>80
IK Rating	IK10 (with aluminium profile)
Average Life (L80B10)	>43,000 hours
IC Model	UCS 512CLN
Pixels/M	12
Storage Temperature	-40°C~ 65°C
Operating Temperature	-40°C~ 65°C

Photometry

WAVE1617S-24-DMX-RGBW830-150
 LEDLINE WAVE 1617S, side bending, 24V, DMX control, RGBW(RA80, 3000K), 15W/M



Zonal Lumen Summary

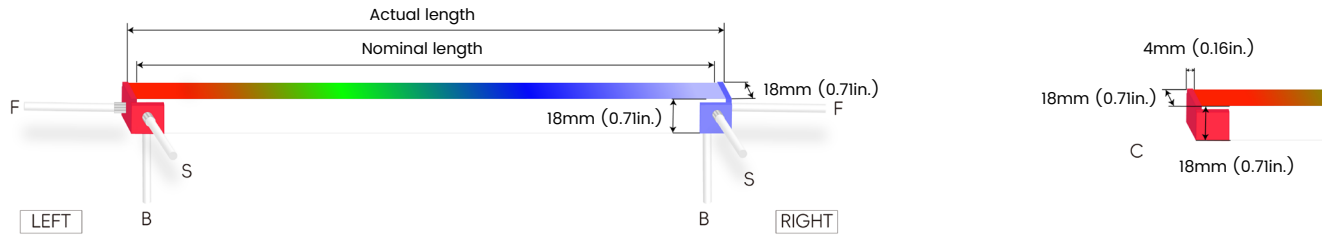
Zone	Lumen	% Fixture
0-30	97.4	25.9%
0-40	159.5	42.4%
0-60	282.7	75.2%
0-90	368.4	97.9%
0-180	376.1	100.0%

LEDLINE WAVE 1617S DMX RGBW

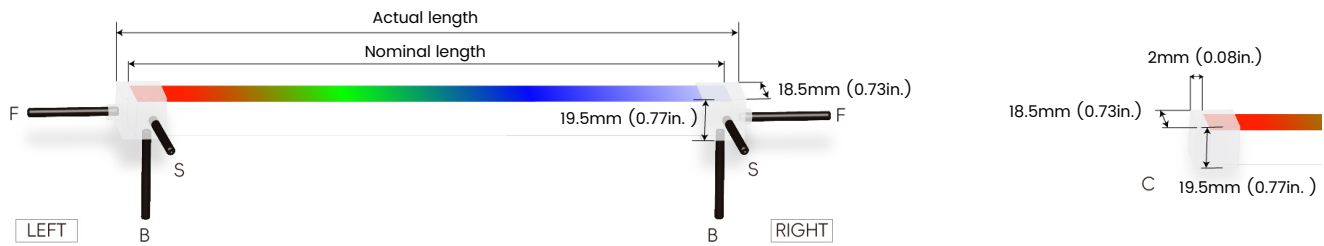
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Feed Entry / End Cap Options

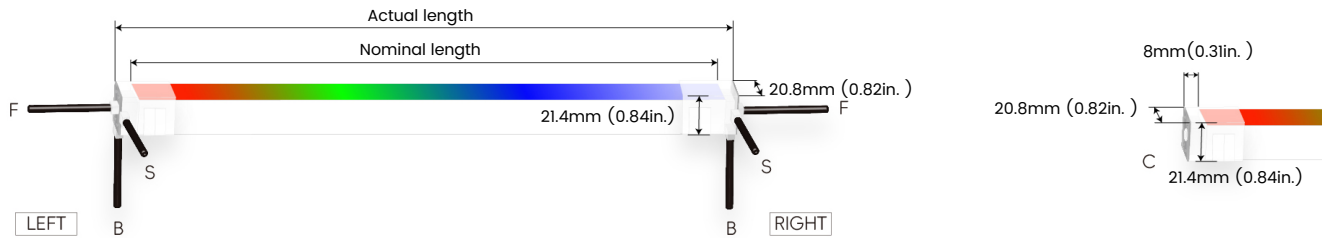
FT: Flush Translucent – IP68&IP69, factory-made only



Silicone end cap – IP67, for field cuttable only, not for underwater use



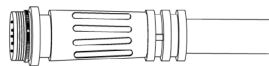
DIY end cap with screws – IP67, for field cuttable only, not for underwater use



Connector Wire Options



OW: Open wire, **Dry only**
Standard 30cm (0.98ft), 20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 30cm (0.98ft), 22 AWG

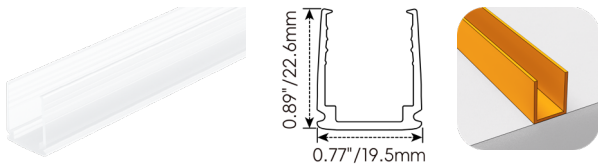


FC: Female connector, **Wet**
Standard 30cm (0.98ft), 22 AWG

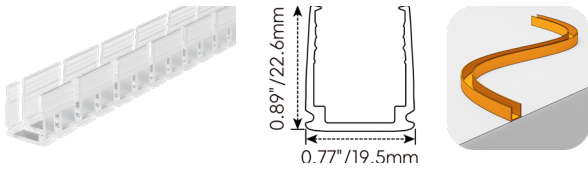
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Mounting Options, for underwater use

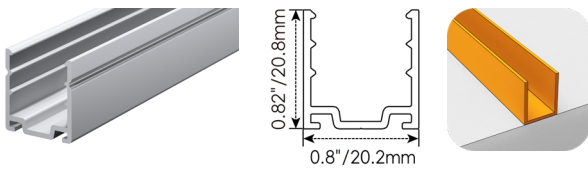


AC167-PC	
Name	PC profile
Material	Polycarbonate
Standard Length	1M (3.28ft)

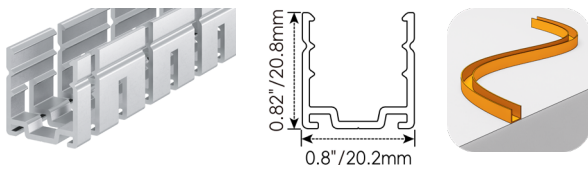


AC167-CPC	
Name	Bendable surface profile
Material	Aluminum
Standard Length	1M (3.28ft)
Min. Bending Diameter	300mm (11.8in.)

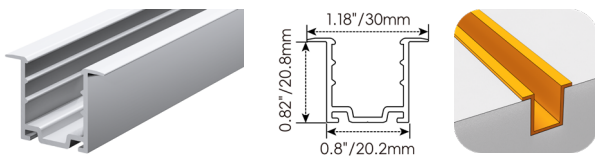
Mounting Options, not for underwater use



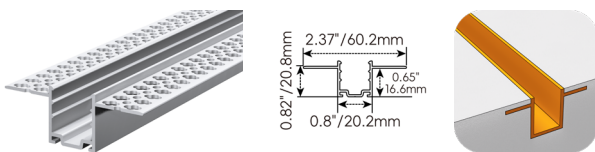
AC167-AP	
Name	Straight surface profile
Material	Aluminum
Standard Length	1M (3.28ft)



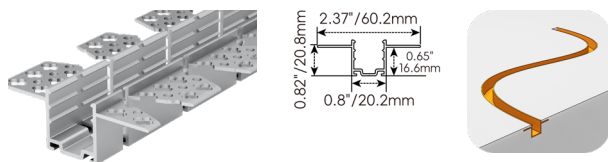
AC167-CR	
Name	Bendable surface profile
Material	Aluminum
Standard Length	1M (3.28ft)
Min. Bending Diameter	600mm (23.6in.)



AC167-EP	
Name	Straight recessed profile
Material	Aluminum
Standard Length	1M (3.28ft)



AC167-LP	
Name	Mud-in profile
Material	Aluminum
Standard Length	1M (3.28ft)

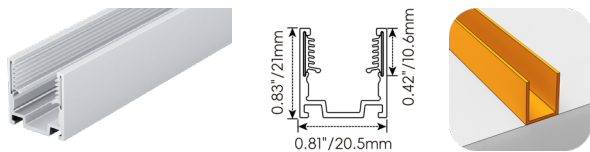


AC167-SCRL	
Name	Bendable mud-in profile
Material	Aluminum
Standard Length	1M (3.28ft)
Min. Bending Diameter	600mm (23.6in.)

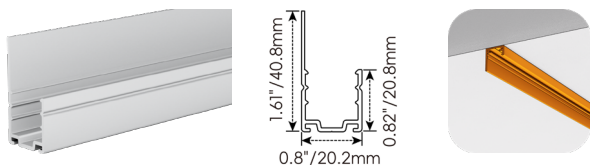
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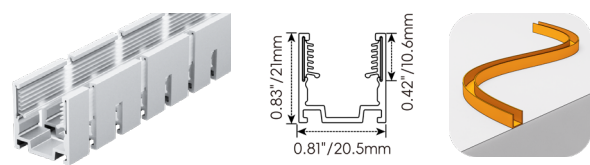
Mounting Options, not for underwater use



AC167-SGP	
Name	Straight surface profile
Material	Aluminum with silicone groove
Standard Length	1M (3.28ft)

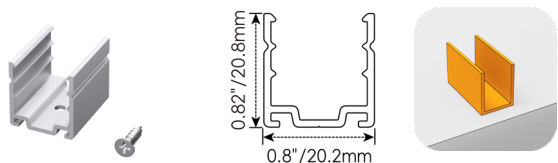


AC167-BA	
Name	Light-block profile
Material	Aluminum
Standard Length	1M (3.28ft)



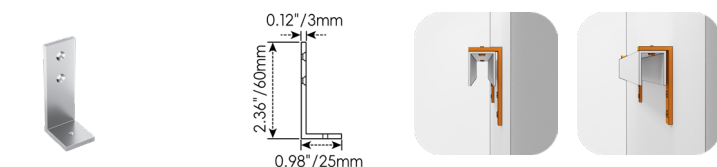
AC167-CSGP	
Name	Bendable surface profile
Material	Aluminum with silicone groove
Standard Length	1M (3.28ft)
Min. Bending Diameter	600mm (23.6in.) only side bend

Clip Options, not for underwater use

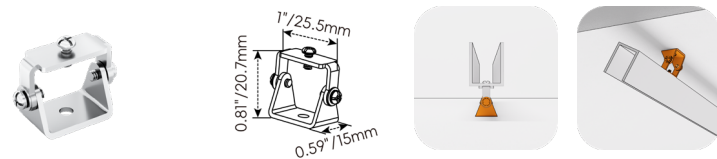


AC167-MC	
Name	Mounting clip
Material	Aluminum
Standard Length	25mm (0.98in.)

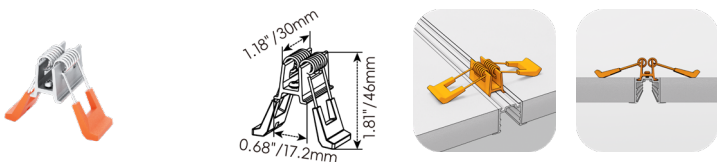
Bracket Options, not for underwater use



AC167-SET-LA	
Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	20mm (0.79in.)
* AC167-SET-LA must be installed with AC167-AP	



AC167-AMB	
Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	25.5mm (1 in.)
* AC167-AMB must be installed with AC167-AP	

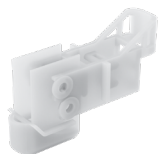


AC167-SET-LC	
Name	Spring clip
Standard Pkg	1pcs
* AC167-SET-LC must be installed with AC167-EP	

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Tool Options



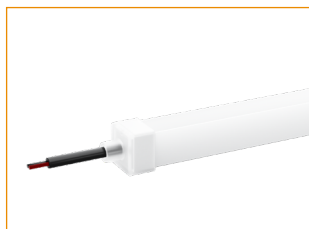
IF-167

Name	Fixture
Material	Resin
Standard Pkg	1pcs
* Insertion Fixture for AC167-CPC	

Silicone End Caps (Optional, purchase for extra) – Not for underwater use



AC167-EC
Silicone closed end cap



AC167-EC5-F
Silicone end cap front entry with 30cm (0.98ft) cable, 5 pin

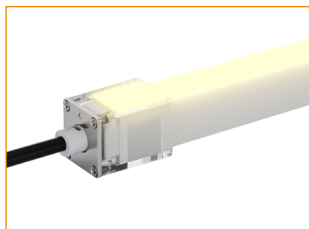


AC167-EC5-S
Silicone end cap side entry with 30cm (0.98ft) cable, 5 pin

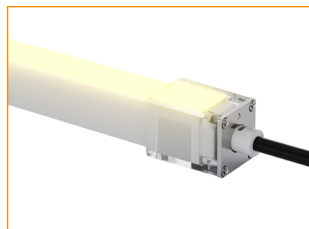


AC167-EC5-B
Silicone end cap bottom entry with 30cm (0.98ft) cable, 5 pin

DIY End Caps for WAVE 1617S RGBW (Optional, purchase for extra) – Not for underwater use



1617S-WS-C-5P-F/L-30
DIY end cap with screws, left front entry, 30cm (0.98ft) cable, 5 pin, IP67



1617S-WS-C-5P-F/R-30
DIY end cap with screws, right front entry, 30cm (0.98ft) cable, 5 pin, IP67



1617S-WS-C-5P-S/L-30
DIY end cap with screws, left side entry, 30cm (0.98ft) cable, 5 pin, IP67



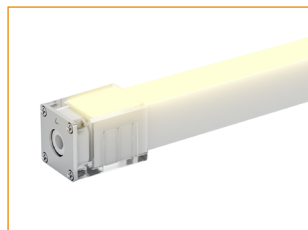
1617S-WS-C-5P-S/R-30
DIY end cap with screws, right side entry, 30cm (0.98ft) cable, 5 pin, IP67



1617S-WS-C-5P-B/L-30
DIY end cap with screws, left bottom entry, 30cm (0.98ft) cable, 5 pin, IP67



1617S-WS-C-5P-B/R-30
DIY end cap with screws, right bottom entry, 30cm (0.98ft) cable, 5 pin, IP67

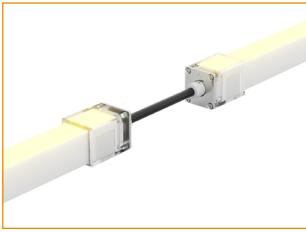


1617S-WS
DIY closed end cap with screws, IP67

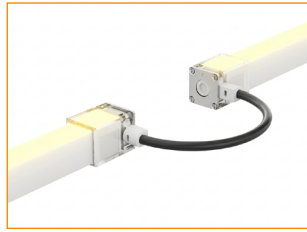
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DIY End Caps for WAVE 1617S RGBW (Optional, purchase for extra) — Not for underwater use



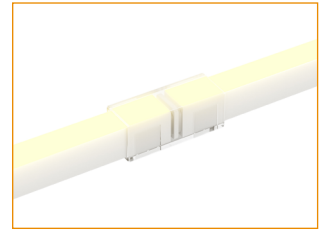
1617S-WS-J-5P-F/LR-15
Jumper connector front entry,
15cm (0.49ft) cable, 5 pin, IP67



1617S-WS-J-5P-S/LR-15
Jumper connector side entry,
15cm (0.49ft) cable, 5 pin, IP67



1617S-WS-J-5P-B/LR-15
Jumper connector bottom entry,
15cm (0.49ft) cable, 5 pin, IP67



1617S-NS-J-5P
Strip to strip connector,
5 pin, IP54

Additional Accessories (Optional, purchase for extra)



AD104-5-MCW
Male connector,
30cm (0.98ft) UL white cable,
5 pin, IP67, Wet, 22 AWG



AD104-5-FCW
Female connector,
30cm (0.98ft) UL white cable,
5 pin, IP67, Wet, 22 AWG



AD104-5-MCB
Male connector,
30cm (0.98ft) black cable,
5 pin, IP67, Wet, 22 AWG



AD104-5-FCB
Female connector,
30cm (0.98ft) black cable,
5 pin, IP67, Wet, 22 AWG



JR-M16-5P
IP68 Waterproof connector



JR-M2068-2T
IP68 Junction Box



AF001-1
1 Adjustable angle scissors set,
with 4 spare blades

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Drivers

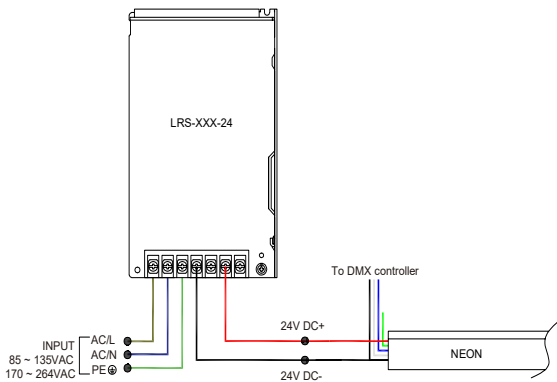
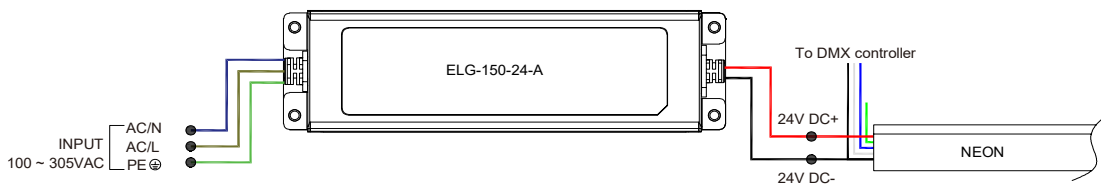
Non-dimmable

Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24A-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
LRS-150-24	150W	85-132VAC / 170-264VAC	24V	Dry	159 * 97 * 30 mm

DMX-Decoders & Controllers Options

Type	Code	Description	Environment	Size (L x W x H)
Controllers	K-1000C	2048 pixels, SD card playback, ideal for DIY, signage and small venues.	Indoor	159 * 89 * 24 mm
Controllers	T-790K	8-port output, dual-mode control, ideal for facades, stages and large projects.	Indoor	310 * 152 * 42 mm
Controllers	WT-DMX-M	WiFi & RF 3-in-1 DMX512 controller for RGB/RGBW/RGBCCT lighting	Indoor	120 * 43 * 27 mm

Wiring Diagram



LEDLINE WAVE 1617S DMX RGBW

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24V Voltage Drop & Maximum Wire Length Chart

Based on 24V voltage with a 3% voltage drop allowance. Indicates the maximum wire length from the power supply to the start of the run.

Total load	8AWG	10AWG	12AWG	14AWG	16AWG	18AWG	20AWG	22AWG
10W / 0.4A	484.0m	304.5m	191.4m	120.4m	75.5m	47.5m	29.8m	18.5m
20W / 0.8A	242.0m	152.1m	95.7m	60.0m	37.8m	23.7m	14.9m	9.1m
30W / 1.3A	161.2m	101.5m	63.7m	39.9m	24.9m	15.8m	9.7m	6.1m
40W / 1.7A	121.0m	75.9m	47.8m	29.8m	18.9m	11.8m	7.3m	4.5m
50W / 2.1A	96.6m	60.6m	38.1m	24.0m	14.9m	9.4m	5.7m	3.6m
60W / 2.5A	80.4m	50.6m	31.7m	19.8m	12.5m	7.9m	4.8m	3.0m
70W / 2.9A	68.8m	43.2m	27.1m	17.0m	10.6m	6.7m	4.2m	2.4m
80W / 3.3A	60.3m	37.8m	23.7m	14.9m	9.4m	5.7m	3.6m	2.1m
90W / 3.8A	53.6m	33.8m	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m
100W / 4.2A	48.1m	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m
110W / 4.6A	43.8m	27.4m	17.3m	10.6m	6.7m	4.2m	2.7m	1.5m
120W / 5.0A	40.2m	25.3m	15.8m	9.7m	6.1m	3.9m	2.4m	1.5m
130W / 5.4A	37.1m	23.1m	14.6m	9.1m	5.7m	3.6m	2.1m	1.2m
140W / 5.8A	34.4m	21.6m	13.4m	8.5m	5.1m	3.3m	2.1m	1.2m
150W / 6.3A	32.0m	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m
160W / 6.7A	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m	0.9m
170W / 7.1A	28.3m	17.6m	10.9m	7.0m	4.2m	2.7m	1.5m	0.9m
180W / 7.5A	26.8m	16.7m	10.3m	6.7m	3.9m	2.4m	1.5m	0.9m
190W / 7.9A	25.3m	15.8m	10.0m	6.0m	3.9m	2.4m	1.5m	0.9m
200W / 8.3A	24.0m	14.9m	9.4m	5.7m	3.6m	2.1m	1.2m	0.9m
210W / 8.8A	22.8m	14.3m	8.8m	5.4m	3.3m	2.1m	1.2m	0.6m
220W / 9.2A	21.9m	13.7m	8.5m	5.4m	3.3m	2.1m	1.2m	0.6m
230W / 9.6A	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m	1.2m	0.6m
240W / 10.0A	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m	0.6m
250W / 10.4A	19.2m	12.1m	7.6m	4.5m	2.7m	1.8m	0.9m	0.6m