

WLC02 Waterproof Channel Light Specification Sheet



PHYSICAL

Product Type	WLC02
Size	17.8 x 13mm
Working Voltage	12V / 24V DC
Aluminum Profile color	Silver / Black / White
Cover	Diffuser
CRI	90
Available Lengths	0.3-2m
IP Rating	IP65
Working Temperature	0°C-40°C
Storage Temperature	-20°C-70°C
Lifespan	50000h
Dimmable	Yes



WLC02 is an IP65 waterproof channel light. It is especially suitable for wet places such as bathroom, fountain, refrigerator, outdoor occasions and so on.

PRODUCT RANGE

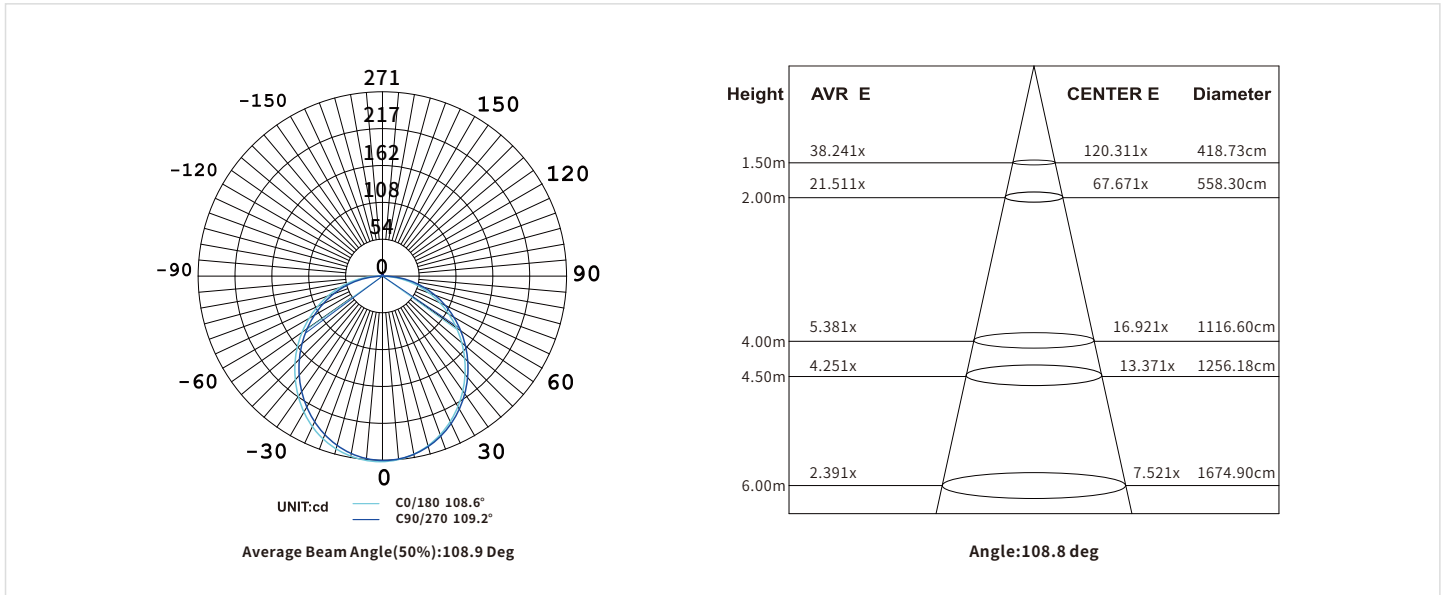
Part No.	LEDs/m	Wattage	CCT	Luminous Flux
WLC02-2835V120S10D12(24)-U	120LED/s	15W/m	2700K	739lm/m
WLC02-2835W120S10D12(24)-U	120LED/s	15W/m	3000K	754lm/m
WLC02-2835N120S10D12(24)-U	120LED/s	15W/m	4000K	830lm/m
WLC02-2835C120S10D12(24)-U	120LED/s	15W/m	6000K	830lm/m

The luminous flux with diffuser cover

SKU Builder Direction

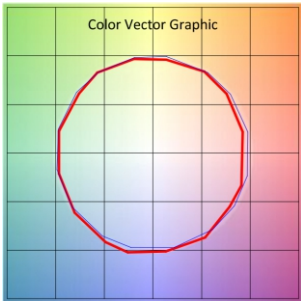
X1 Product Name	X2 LED Type	X3 CCT	X4 LEDs	X5 Profile Color	X6 Length	X7 Cover	X8 Voltage	X9 CRI
Code	Code	Code	Code	Code	Code	Code	Code	Code
WLC02	2835 SMD2835	V 2700K	120 120LEDs/m	S Silver	03 300mm	D Diffuser	12 12V DC	U CRI>90
		W 3000K		B Black	05 500mm		24 24V DC	
		N 4000K		W White	10 1000mm			
		C 6000K						

Photometric Diagram



TM-30-15 Data

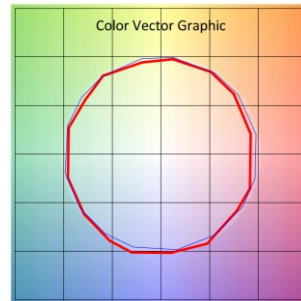
2700K Rf: 90.4 / Rg: 98.1



Test ■ Reference ■

Hue Bin	Rf	Chroma	Hue
1	88.5	-5.2%	1.3%
2	91.2	-3.0%	2.8%
3	91.3	-1.1%	3.7%
4	93.1	-3.0%	-0.6%
5	95.4	-1.6%	1.0%
6	95.5	0.3%	1.0%
7	94.1	-2.8%	-0.3%
8	96.1	-0.9%	1.7%
9	91.3	-1.2%	4.4%
10	88.9	0.9%	6.5%
11	89.7	3.4%	6.1%
12	88.2	5.5%	-2.4%
13	87.6	2.0%	-8.4%
14	84.8	2.5%	-10.9%
15	89.4	-3.6%	-3.4%
16	82.9	-4.1%	-10.7%

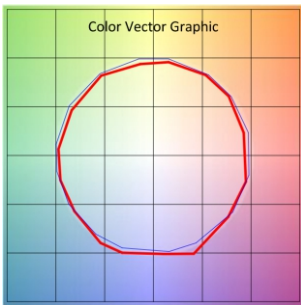
3000K Rf: 89.6 / Rg: 97.9



Test ■ Reference ■

Hue Bin	Rf	Chroma	Hue
1	88.1	-5.4%	1.1%
2	90.8	-3.2%	2.7%
3	90.5	-1.2%	3.9%
4	93.9	-1.9%	0.3%
5	92.5	-4.1%	0.8%
6	96.0	-0.3%	-0.3%
7	90.8	-4.5%	0.7%
8	95.4	-1.6%	1.8%
9	90.0	-1.6%	5.9%
10	85.4	0.1%	7.7%
11	86.8	3.5%	8.3%
12	88.4	5.7%	-0.5%
13	89.2	2.1%	-7.0%
14	84.9	3.3%	-10.5%
15	85.8	-2.4%	-6.5%
16	82.8	-3.0%	-11.3%

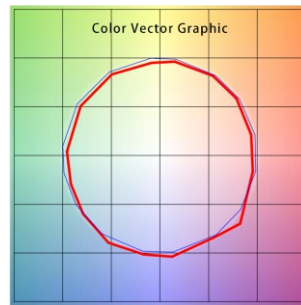
4000K Rf: 88.9 / Rg: 97.5



Test ■ Reference ■

Hue Bin	Rf	Chroma	Hue
1	88.8	-4.5%	1.0%
2	92.9	-2.0%	1.6%
3	92.4	-1.6%	2.4%
4	91.7	-3.0%	-0.6%
5	90.6	-5.5%	-0.3%
6	95.1	-2.4%	0.2%
7	91.4	-4.6%	2.1%
8	89.9	-3.3%	4.6%
9	86.0	-1.8%	9.2%
10	83.6	-0.7%	9.3%
11	83.8	4.6%	9.0%
12	88.7	5.0%	0.9%
13	90.2	1.3%	-5.9%
14	87.5	7.8%	-8.1%
15	86.1	-1.1%	-6.5%
16	84.7	-1.7%	-6.9%




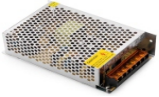







6000K Rf: 88.2 / Rg: 97.4



Test ■ Reference ■

Hue Bin	Rf	Chroma	Hue
1	88.3	-3.9%	1.0%
2	92.9	-2.1%	2.2%
3	91.6	-1.7%	2.1%
4	90.2	-2.6%	0.5%
5	88.0	-4.8%	0.0%
6	93.4	-3.5%	-0.5%
7	92.7	-4.2%	0.0%
8	86.4	-5.2%	5.0%
9	84.2	-4.5%	12.0%
10	78.8	-1.0%	12.0%
11	80.3	3.8%	10.5%
12	94.1	2.9%	1.8%
13	91.7	4.5%	-2.0%
14	91.6	1.0%	-3.9%
15	80.6	7.6%	-12.2%
16	93.4	-2.9%	-0.8%

Accessories

Picture	Part No.	Description
	WLC02-MM	Heat Sink Clip: 1 pcs for 1m channel
	WLC02-MC	Mounting Clip: 2pcs for 1m channel
	SL-V-12XXXXP SL-V-24XXXXP	Plastic Power Supply,output: DC12V or 24V, Output Power Options: 12W,24W,36W,48W,60W,72W,96W,120W.
	SL-V-12XXXXM SL-V-24XXXXM	Metal Power Supply,output: DC12V or 24V, Output Power Options: 25W,50W,60W,100W,145W,200W,250W,350W,400W,500W.
	SL-V-12XXXX SL-V-24XXXX	Waterproof Power Supply,output: DC12V or 24V, Output Power Options: 15W,18W,30W,40W,60W,100W,150W,200W.
	SL-W-W2X0.5	2x0.5mm ² , OD:5.0mm white waterproof wire.
	SL-01CP	Crystal Plugs with 15cm waterproof wire.
	SL-CL-F	JST Female Connector with 15cm wire.
	SL-CL-M	JST Male Connector with 15cm wire.
	SL-WAG01M	WAGO Male Connector with 15cm wire
	SL-WAG01F	WAGO Female Connector with 15cm wire