

WLC05 Waterproof Channel Light

Specification Sheet



PHYSICAL

Product Type	WLC05
Size	16 x 16mm
Working Voltage	12V / 24V DC
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

WLC05 is an IP65 waterproof channel light for corner-mount. It is specially designed for refrigerator lighting. It is also suitable for other wet corner places, such as mounting under basement cabinets and shelving or at wall/ceiling joins in bathroom. The LED aluminum profile is 16mm * 16mm and is designed to accommodate 10mm wide LED strip lighting.

It can be easily corner-mounted with clips and screws.



PRODUCT RANGE

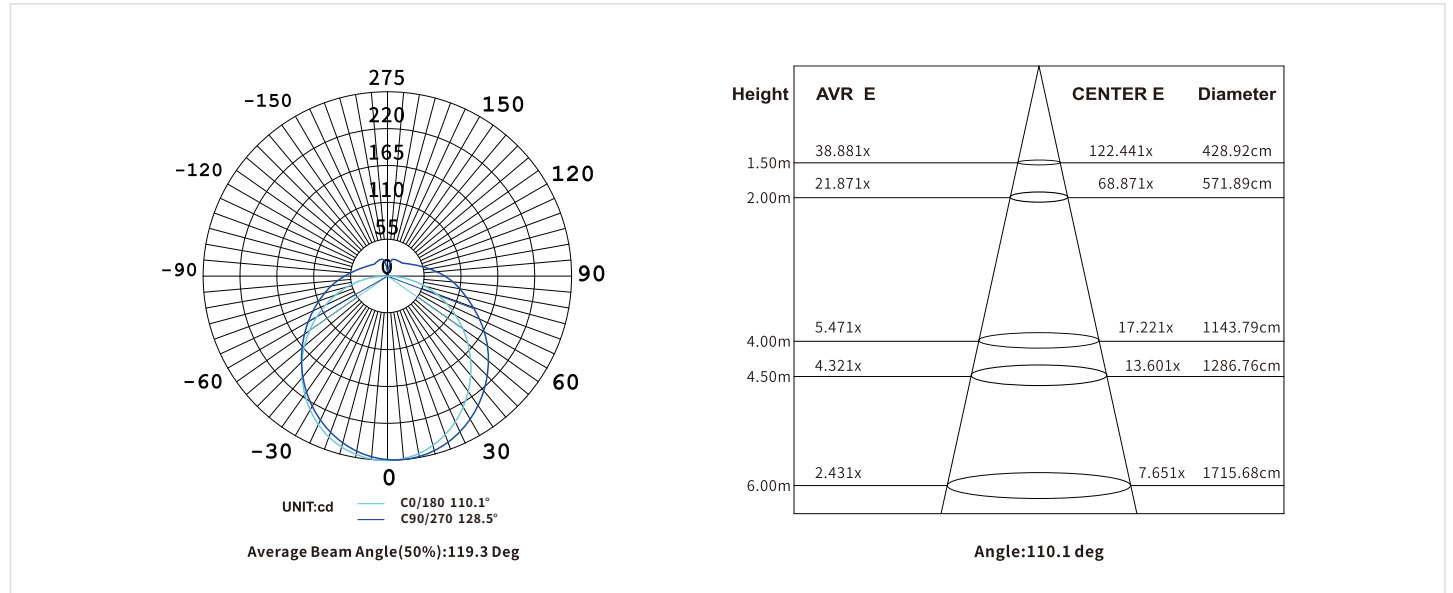
Part No.	LEDs/m	Wattage	CCT	Luminous Flux
WLC05-2835V120S10D12(24)-U	120LED/s	15W/m	2700K	984lm/m
WLC05-2835W120S10D12(24)-U	120LED/s	15W/m	3000K	1004lm/m
WLC05-2835N120S10D12(24)-U	120LED/s	15W/m	4000K	1105lm/m
WLC05-2835C120S10D12(24)-U	120LED/s	15W/m	6000K	1105lm/m

The luminous flux with diffuser cover

SKU Builder Direction

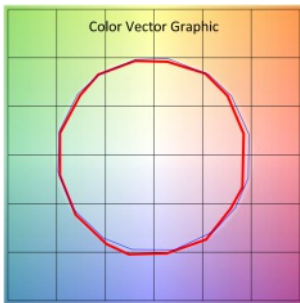
X1 Product Name	X2 LED Type	X3 CCT	X4 LEDs	X5 Profile Color	X6 Length	X7 Cover	X8 Voltage	X9 CRI
Code	Code	Code	Code	Code	Code	Code	Code	Code
WLC05	2835 SMD2835	V 2700K	120 120LEDs/m	W White	03 300mm	D Diffuser	12 12V DC	U CRI>90
		W 3000K			05 500mm		24 24V DC	
		N 4000K			10 1000mm			
		C 6000K						

Photometric Diagram



TM-30-15 Data

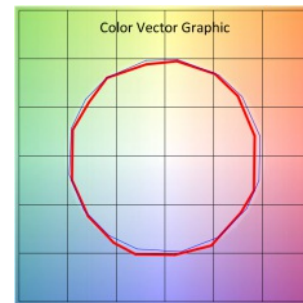
2700K Rf: 90.4 / Rg: 98.1



Test ■ Reference ■

Hue Bin	Rf	Graphic Shifts (%)	
		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%

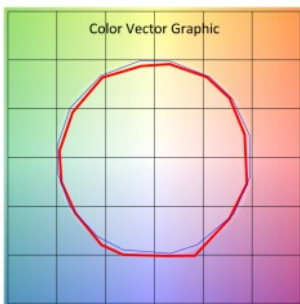
3000K Rf: 89.6 / Rg: 97.9



Test ■ Reference ■

Hue Bin	Rf	Graphic Shifts (%)	
		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%

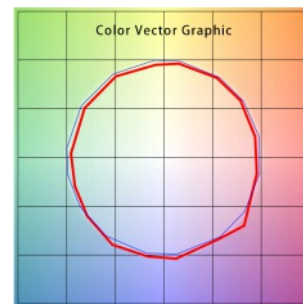
4000K Rf: 88.9 / Rg: 97.5



Test ■ Reference ■

Hue Bin	Rf	Graphic Shifts (%)	
		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%

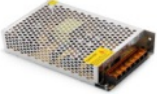
6000K Rf: 88.2 / Rg: 97.4



Test ■ Reference ■

Hue Bin	Rf	Graphic Shifts (%)	
		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
	WLC05-MM	Heat Sink Clip: 1pcs for 1m channel
	WLC05-MC	Mounting Clip: 2pcs for 1m channel
	SL-V-12XXXP SL-V-24XXXP	Plastic Power Supply,output: DC12V or 24V, Output Power Options: 12W,24W,36W,48W,60W,72W,96W,120W.
	SL-V-12XXXM SL-V-24XXXM	Metal Power Supply,output: DC12V or 24V, Output Power Options: 25W,50W,60W,100W,145W,200W,250W,350W,400W,500W.
	SL-V-12XXX SL-V-24XXX	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