

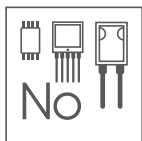
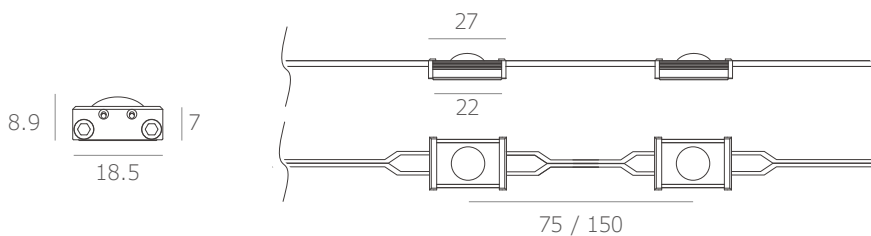
POWERDOT CC



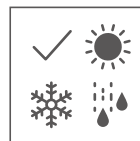
PowerDot CC is an extremely small and high power LED string for back-lighting / advertising-lighting / channel-lighting application. PowerDot CC is designed for fitting into all kinds of spaces. With its special lens, PowerDot CC is IP67 waterproof and still remains high output efficiency and accurate color temperature.



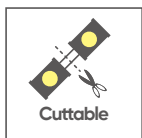
Unit: mm



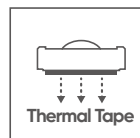
High Reliability Design
Only LEDs (no other electronic components) on board, to reducing failure and prolong life-time.



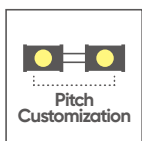
Solid Waterproof Function
By using solid silicon compound for encapsulation, PowerDot CC can easily withstand hot and cold environment and still maintain waterproof function.



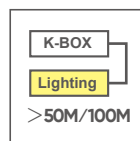
Cutttable between Each Piece
12pcs LED Unit in one string and are cuttable between each piece.



Thermal Tape is Applied
Thermal pad is attached on the bottom for better heat dissipation.



LED Pitch can be Customized
The length of wires between piece and piece can be customized.



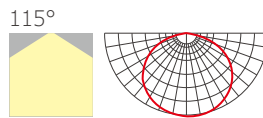
Long Distance away from Driver
With KALAR driver system (K-Box), the distance between PowerDot CC and driver can be up to 50 meters (100M optional) without voltage drop. Then the drivers can be put in central control room for easy maintenance.

Specification

PD71900

Power per Unit	DC350mA, 2.8-3.7V, 0.98-1.3W
Units per String	12 pcs
Power per String	DC350mA, 33.6-44.4V, 11.76-15.54W
LED Type	CREE High Power Ceramic LED
Pitch between LEDs	75mm / 150mm
Distance from Driver	Up to 100 meters (optional, with K-Box system)
Light Output Angle	115°
Cutttable Unit	Every 1 pcs
Hot Lumen Output	>115lm per unit @4000K
Color Temperature	Single color bin between 2700K - 6500K
CRI	>90
Operation Temperature	-40°C~40°C
Storage Temperature	-20°C~60°C
Waterproof Level	IP67

Optical Information



Order Code

PD71900 - C ___ - F _____ - P _____

C To Define Color Temperature

- C 2 7 = 2700K
- C 3 0 = 3000K
- C 3 0 = 3500K
- C 4 0 = 4000K
- C 4 0 = 4500K
- C 5 0 = 5000K
- C 5 7 = 5700K
- C 6 5 = 6500K

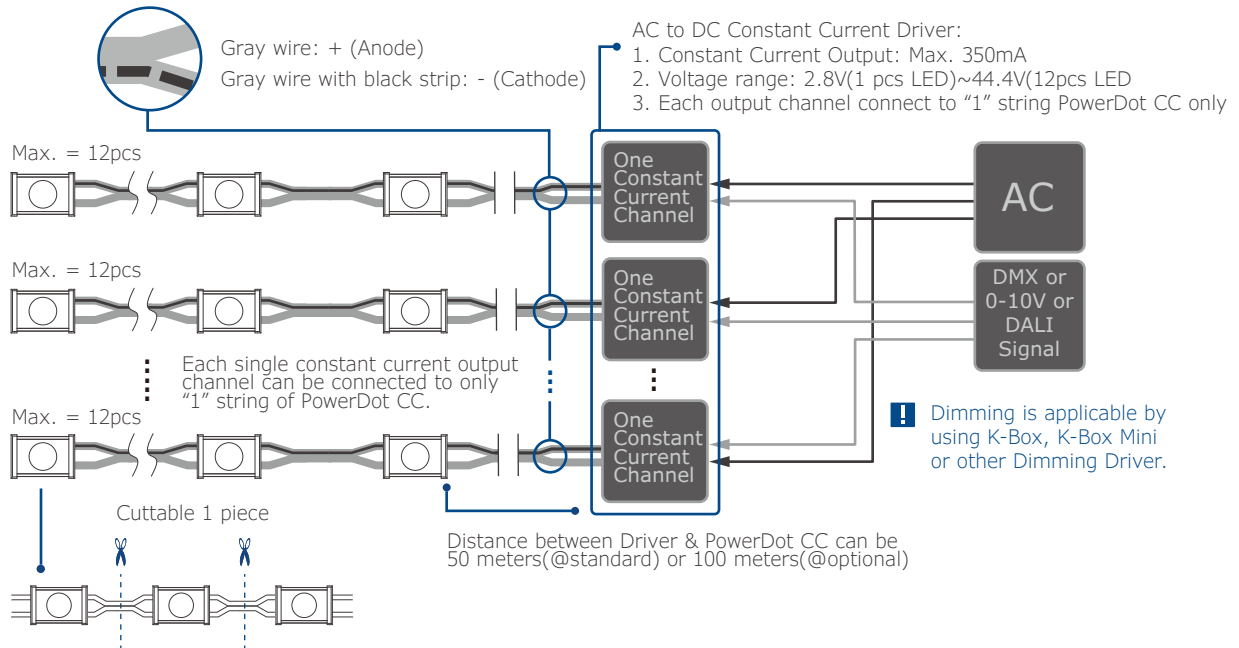
F To Define Finishing Color

- F G M I = Gun Metal
- F B L K = Black
- F S L V = Silver
- F B L K = Black

P To Define LED Pitch

- P 0 7 0 = 70mm
- P 1 5 0 = 150mm

Configuration



Parameters

Units per string	Input Votage (VDC)	Total Power (W)
1 pcs	2.8 - 3.7V	0.98 - 12.95W
2 pcs	5.6 - 7.4V	1.96 - 2.59W
3 pcs	8.4 - 11.1V	2.94 - 3.885W
4 pcs	11.2 - 14.8V	3.92 - 5.18W
5 pcs	14 - 18.5V	4.9 - 6.475W
6 pcs	16.8 - 22.2V	5.88 - 7.77W
7 pcs	19.6 - 25.9V	6.86 - 9.065W
8 pcs	22.4 - 29.6V	7.84 - 10.36W
9 pcs	25.2 - 33.3V	8.82 - 11.655W
10 pcs	28 - 37V	9.8 - 12.95W
11 pcs	30.8 - 40.7V	10.78 - 14.245W
12 pcs	33.6 - 44.4V	11.76 - 15.54W

! PowerDot CC can be cut into different number of units per string. But please pay attention to the corresponding output of the LED driver. Please contact kalar@iotena.com for further information.