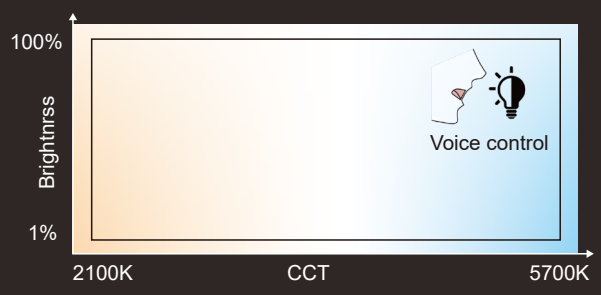
CIVILIGHT



New Flex Strips

Flex Design for General Lighting

CViTec GmbH
Ludwig-Erhard-Str. 1A, 65760 Eschborn, Germany
www.civilight.de E-mail: Market@cvitec.de

2022

New Flex Strips

CIVILIGHT

General lighting

For general lighting, NOT ONLY for decoration application.
Linear design for general lighting, 100lm/W, CRI 90.

up to CRI 95

100lm/W for general lighting

up to 30W/m & 3000lm/m @3000K, CRI 90

T5

New Flex Strip

SUNWHITE® technology

CViTec SUNWHITE® technology is a kind of human centric lighting solution for healthy light as nature

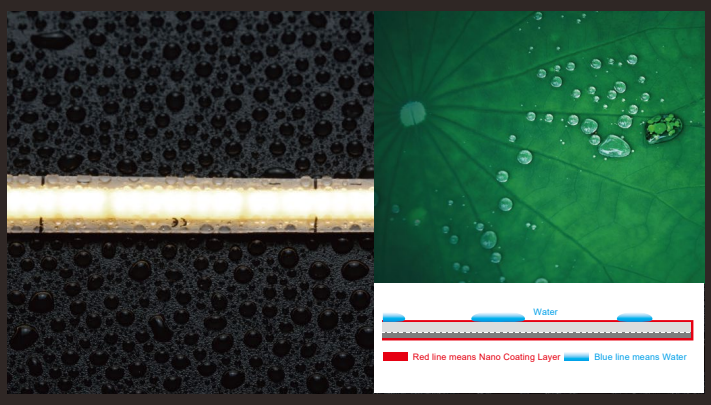
CCT & brightness can be changed according to: different time in a day, different seasons, or different regions.

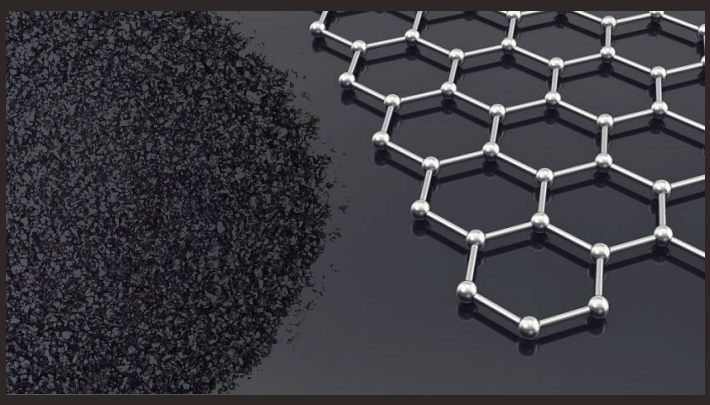
New Flex Strips

CIVILIGHT

IP65 with nano coating

Waterproof flex strip with above 20W/m, IP65 rated

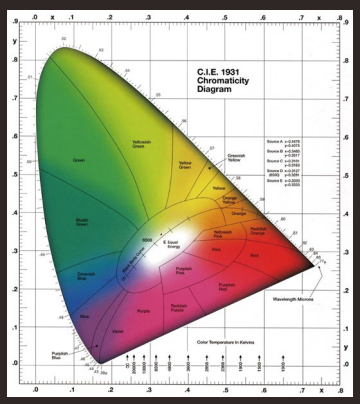


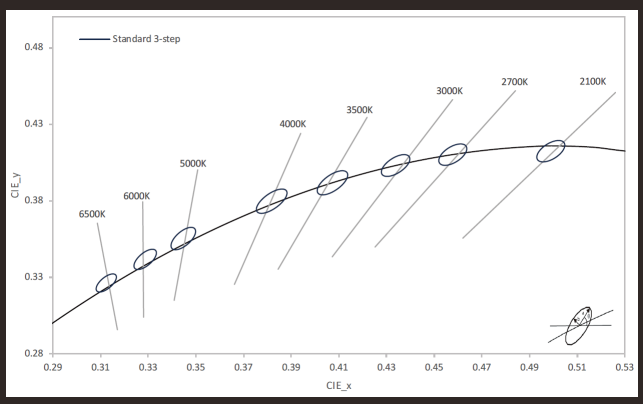


Nano coating surface roughness (ABS)=1 nm(0.000 000 001m), Graphene materials dissipate heat

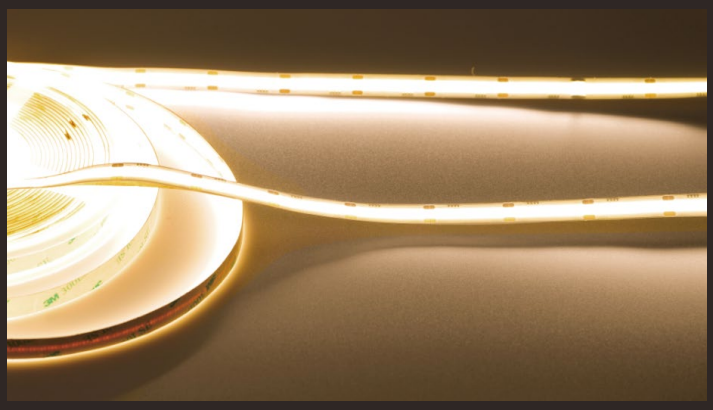
True white on black body line

Tunable white with color consistency and authenticity





Brightness difference less than 10% for 5m length



CIVILIGHT brand

Ordinary brand

SUNWHITE® Technology

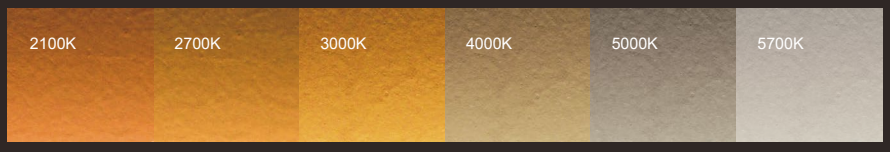
CIVILIGHT

Human Centric Lighting

SUNWHITE® technology is a better lighting solution that simulates sunshine changes in order to reinforce human circadian rhythm.
SUNWHITE® light follows the rules of the sunrise and sunset changes in different locations and time zones, not only the sun spectrum and distribution.
This advantage provides ideal visual working conditions in challenging environments.

SUNWHITE® Design Goals:

- Human centric lighting, simulates sunshine from day to night.
- CCT is chosen by user, all color light is on black body line that restores the light from nature.
- To reduce distributor inventory cost by minimum types of products.



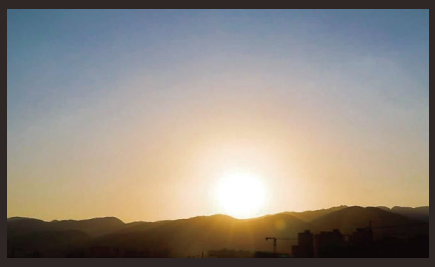
Any CCT on black body line can be chosen by SUNWHITE® controller from 2100K~5700K

How SUNWHITE® Works

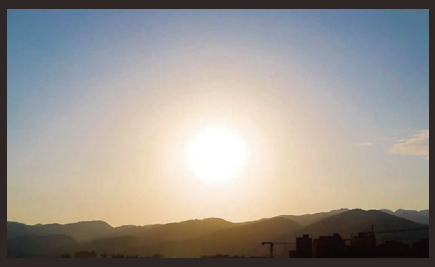
CIVILIGHT

SUNWHITE® changes CCT & brightness according to: different time in a day, different seasons, or different regions.

SUNWHITE® simulates sunlight according to different time in a day

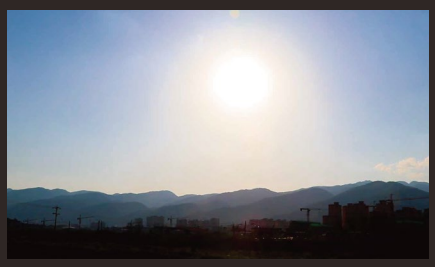


Time: 07:00 CCT: 3000K

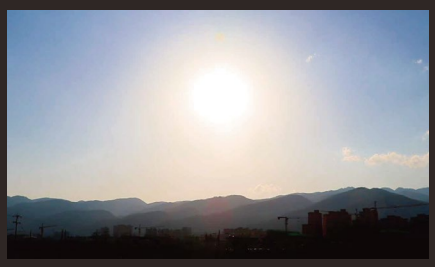


Time: 09:00 CCT: 4400K

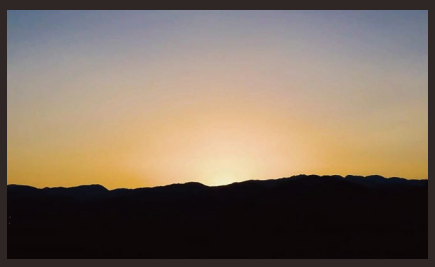
Time: 11:00 CCT: 5500K



Time: 13:00 CCT: 5300K

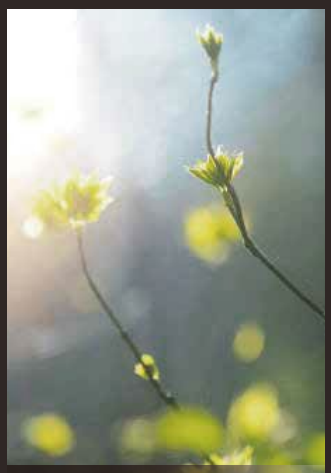


Time: 15:00 CCT: 5000K



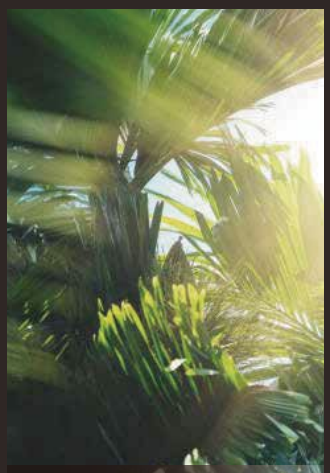
Time: 20:30 CCT: 2700K

SUNWHITE® simulates sunlight according to different seasons



Time: 11:00 CCT:5000K

Spring



Time: 11:00 CCT:5500K

Summer

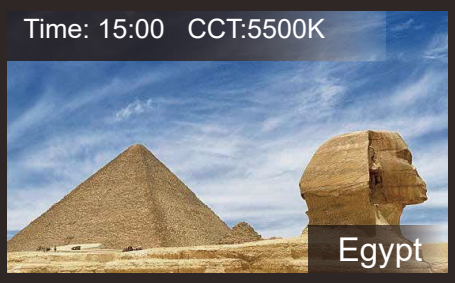
Time: 11:00 CCT:4500K

Autumn

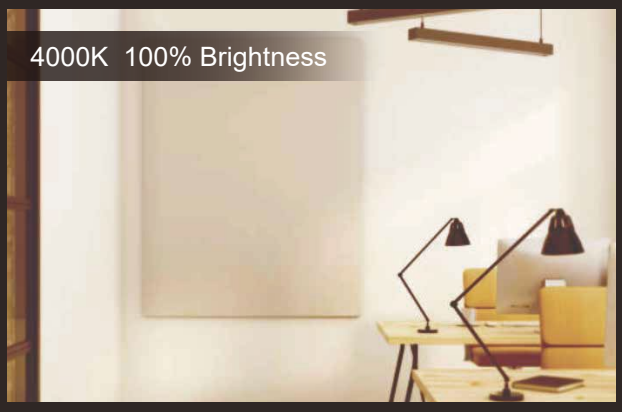
Time: 11:00 CCT:4000K

Winter

SUNWHITE® simulates sunlight according to different regions



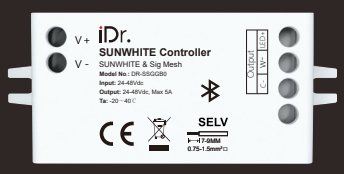
Choose different CCT & brightness according to personal preference

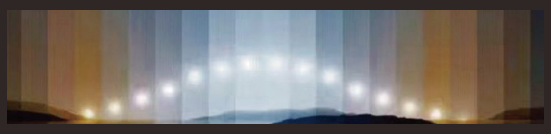


SUNWHITE® & Controllers

CIVILIGHT

SUNWHITE® Sig Mesh (Tuya APP control)





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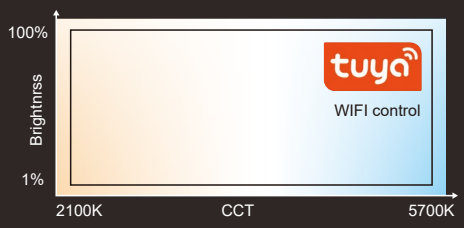
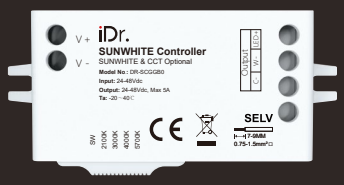
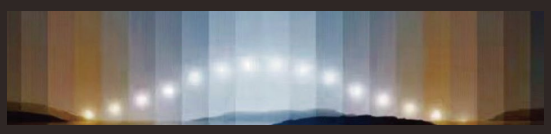
WIFI (Tuya APP control)



SUNWHITE® CCT Optional (DIP switch control)





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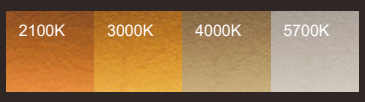
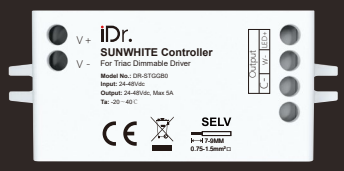
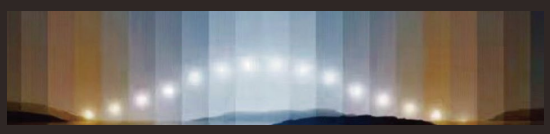


SUNWHITE® Triac (Triac dimmer control)





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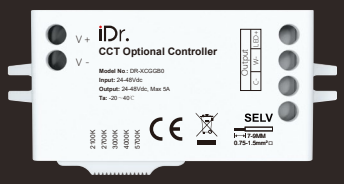
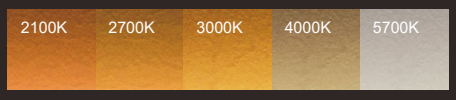
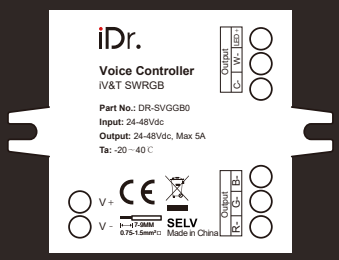
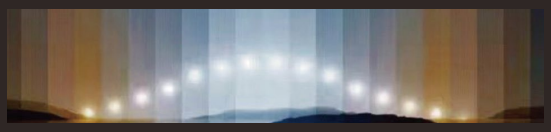
CCT Optional (DIP switch control)





SUNWHITE® & iV&T® (voice control)





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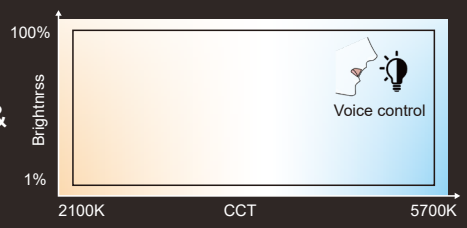
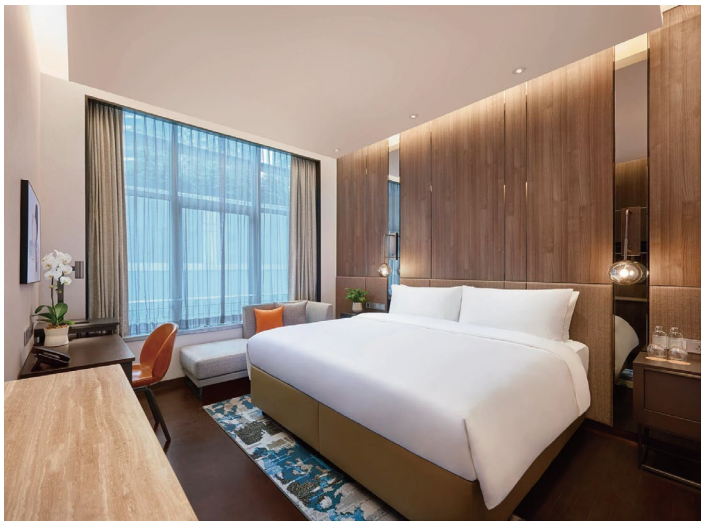


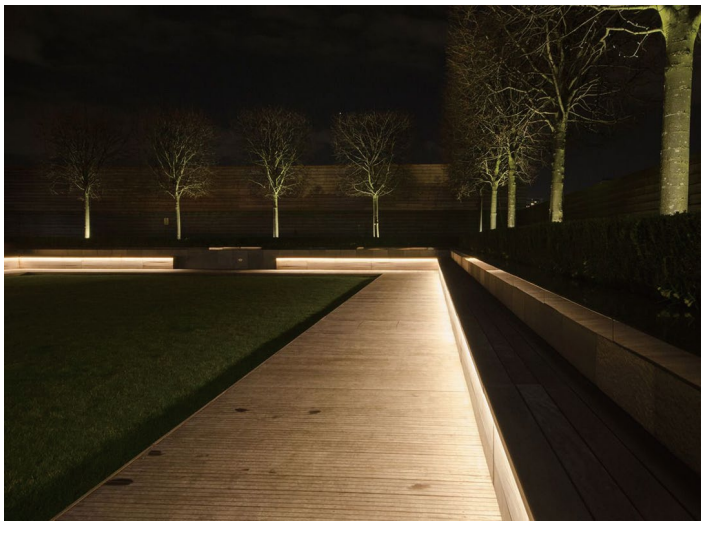
Applications

CIVILIGHT



SUNWHITE® Nox 2100K~6000K

SUNWHITE® Meta 2700K~6000K



Lotis SUNWHITE® Nox 2700K~6000K

Protus Meta 2100K~6500K & RGB

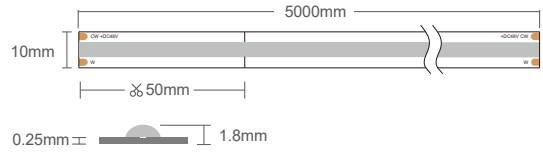
SUNWHITE® | Nox Flex Strip

CIVILIGHT

15W/m, tunable white 2100-6000K, 2 wires

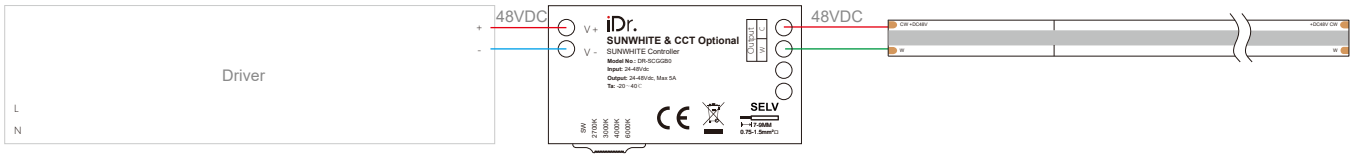
Features:
· SUNWHITE® technology, automatically changing in line with real sunshine
· 2100K~6000K, high CRI 90
· High power 15W/m, high brightness 1425lm/m@3000K for general lighting
· High efficiency 95lm/W@3000K
· Comfortable and uniform light without lighting dot
· Brightness difference is less than 10% from end to end for 5m length
· 48V, high power efficiency (must be used with controllers)
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

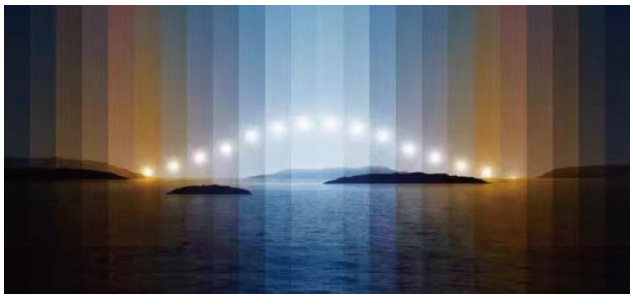


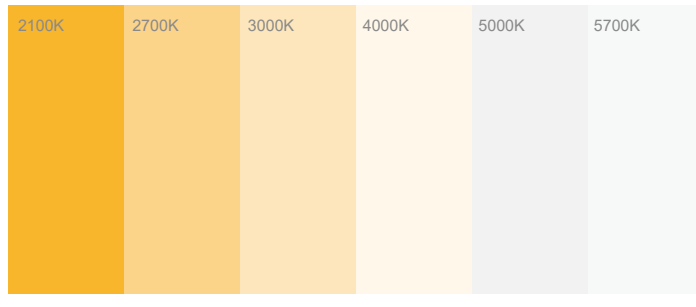
Part No.	CVF26C115G105			
Wattage	15W/m			
Voltage	48VDC			
Dimming type	SW & CCT / SW & Dim / SW & Sig Mesh / WIFI / DALI / 1-10V			
Light color	2100~6000K			
Code	CCT	Lumen/m	Luminous Efficiency	CRI
75426	2100K± 150K	1125lm± 5%	75lm/ W	90
	2700K± 150K	1350lm± 5%	90lm/ W	90
	3000K± 150K	1425lm± 5%	95lm/ W	90
	4000K± 200K	1500lm± 5%	100lm/ W	90
	5000K± 250K	1500lm± 5%	100lm/ W	90
	6000K± 300K	1500lm± 5%	100lm/ W	90
Beam angle	180°			
IP	IP20			
Lifespan	25,000hrs without heatsink. 40,000hrs with heatsink			
Package	5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller



SUNWHITE® Technology





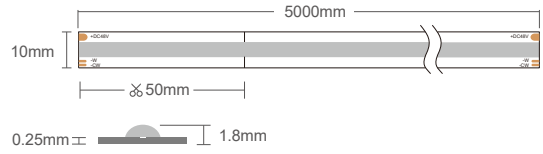
SUNWHITE® | Nox Flex Strip

CIVILIGHT

15W/m, tunable white 2700-6000K, 3 wires

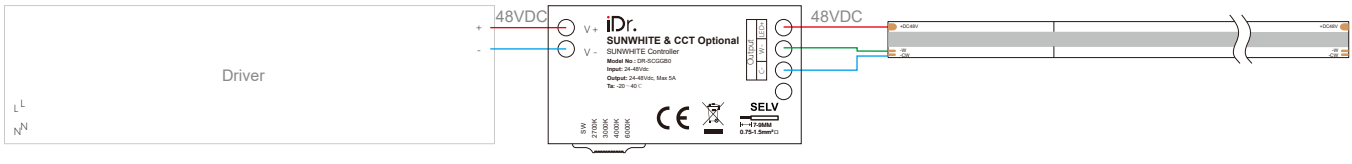
Features:
· SUNWHITE® technology, automatically changing in line with real sunshine
· 2700K~6000K, high CRI 90
· High power 15W/m, high brightness 1425lm/m@3000K for general lighting
· High efficiency 95lm/W@3000K
· Comfortable and uniform light without lighting dot
· Brightness difference is less than 20% from end to end for 5m length
· 48V, high power efficiency
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

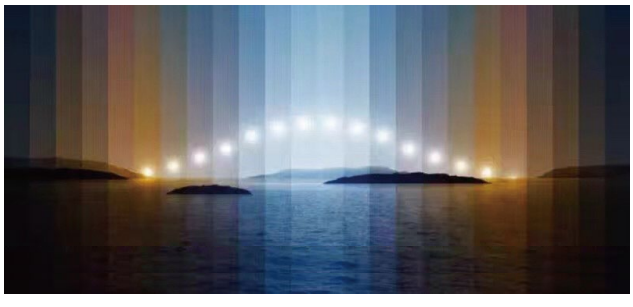


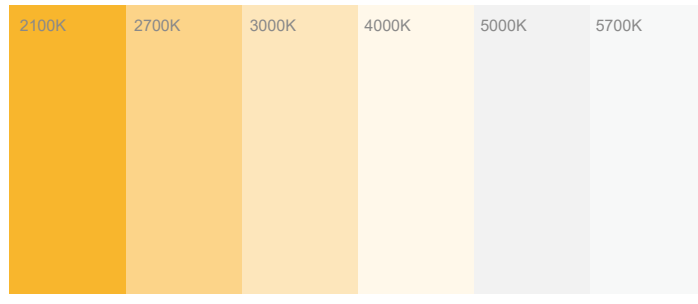
Part No.	■ CVFW6C115G105			
Wattage	■ 15W/m			
Voltage	■ 48VDC			
Dimming type	■ SW & CCT / SW & Dim / SW & Sig Mesh / WIFI / DALI / 1-10V			
Light color	■ 2700~6000K			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
75425	2700K± 150K	1350lm± 5%	90lm/ W	90
	3000K± 150K	1425lm± 5%	95lm/ W	90
	4000K± 200K	1500lm± 5%	100lm/ W	90
	5000K± 250K	1500lm± 5%	100lm/ W	90
	6000K± 300K	1500lm± 5%	100lm/ W	90
Beam angle	■ 180°			
IP	■ IP20			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller



SUNWHITE® Technology





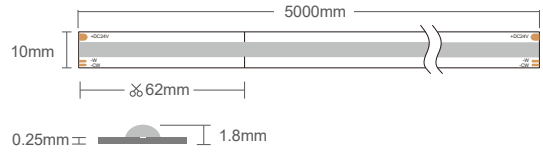
SUNWHITE® | Meta Flex Strip

CIVILIGHT

12W/m, tunable white 2700-6000K

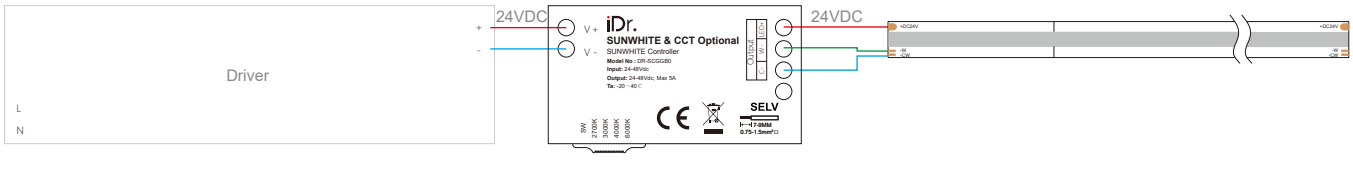
Features:
· SUNWHITE® technology, automatically changing in line with real sunshine
· 2700K~6000K, high CRI 90
· High power 12W/m, high brightness 1140lm/m@3000K for general lighting
· High efficiency 95lm/W@3000K
· Comfortable and uniform light without lighting dot
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

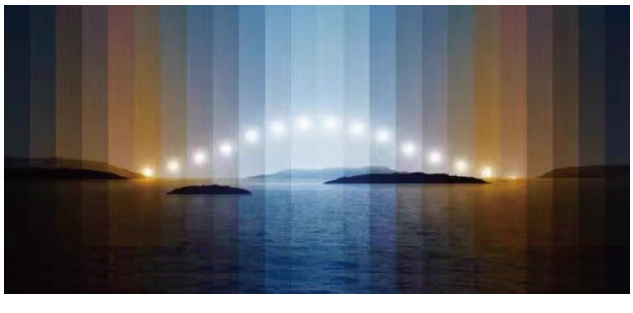


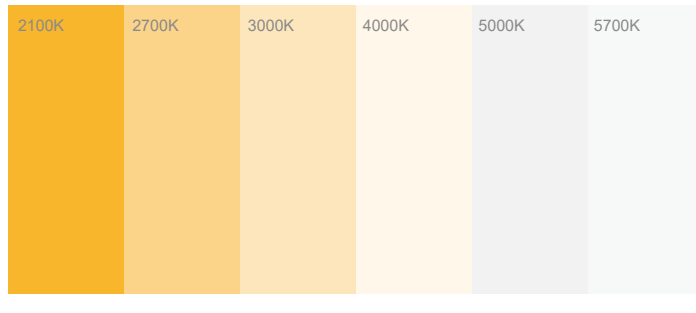
Part No.	■ CVFW6C112C105			
Wattage	■ 12W/m			
Voltage	■ 24VDC			
Dimming type	■ SW & CCT / SW & Dim / SW & Sig Mesh / WIFI / DALI / 1-10V			
Light color	■ 2700~6000K			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
77503	2700K± 150K	1080lm± 5%	90lm/ W	90
	3000K± 150K	1140lm± 5%	95lm/ W	90
	4000K± 200K	1200lm± 5%	100lm/ W	90
	5000K± 250K	1200lm± 5%	100lm/ W	90
	6000K± 300K	1200lm± 5%	100lm/ W	90
Beam angle	■ 180°			
IP	■ IP20			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller



SUNWHITE® Technology





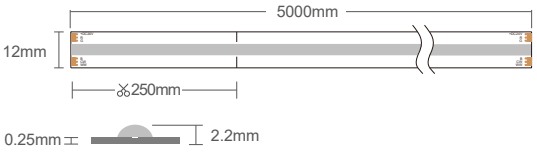
Protus | Meta Flex Strip

CIVILIGHT

12W/m, tunable white 2100-6500K & RGB full color range

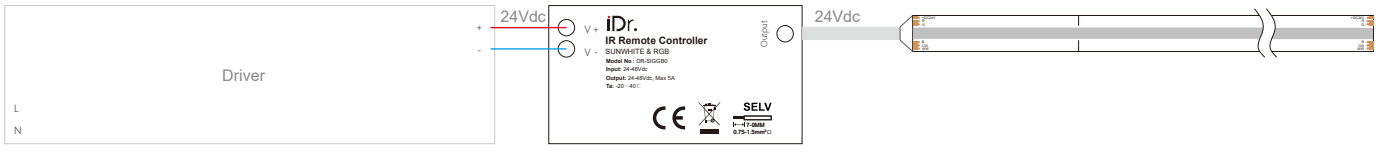
Features:
· SUNWHITE® technology, automatically changing in line with real sunshine
· 2100K~6500K, high CRI 90
· RGB full color range
· High power 12W/m, high brightness 750lm/m@3000K for general lighting
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

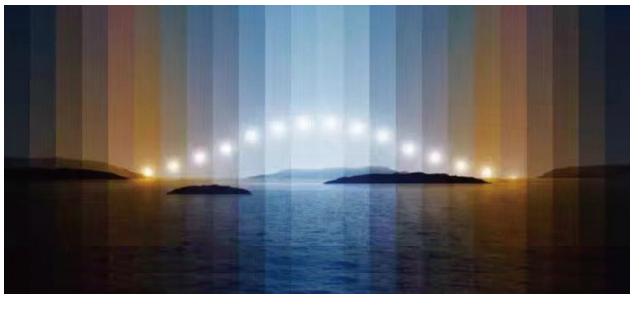


Part No.	■ CVS2CQC112C125			
Wattage	■ 12W/m (WW & CW 10W/m, RGB 2W/m)			
Voltage	■ 24VDC			
Dimming type	■ WIFI / IR remote control / Voice control			
Light color	■ 2100~6500K & RGB			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
77504	2100K± 150K	700lm± 5%	70lm/ W	90
	2700K± 150K	750lm± 5%	75lm/ W	90
	3000K± 150K	750lm± 5%	75lm/ W	90
	4000K± 200K	800lm± 5%	80lm/ W	90
	5000K± 250K	800lm± 5%	80lm/ W	90
	6000K± 300K	800lm± 5%	80lm/ W	90
	■ RGB	■ Lumen/m	■ Luminous Efficiency	■ Wavelength
	R	20lm± 5%	10lm/ W	625nm
	G	160lm± 5%	80lm/ W	520nm
	B	30lm± 5%	15lm/ W	470nm
Beam angle	■ 180°			
IP	■ IP20			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (2PCS)			

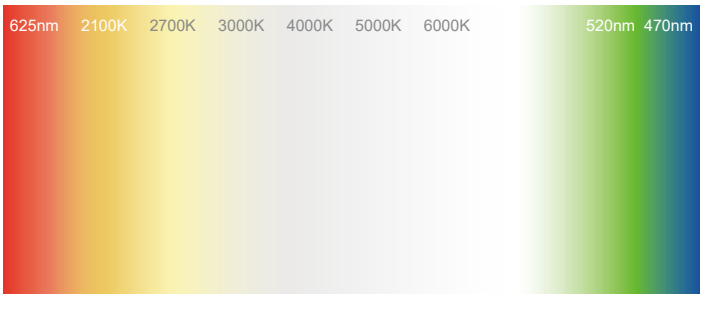
Use diagram of Controller



SUNWHITE® Technology



Full color range

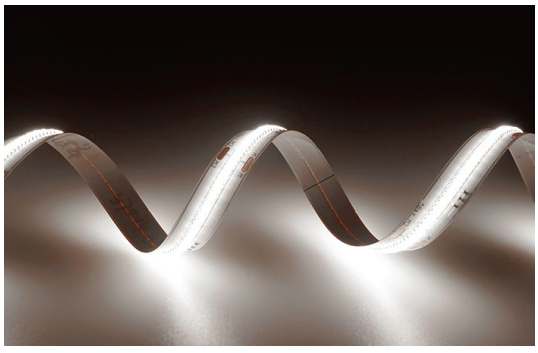


Single CCT | Artemi Flex Strip

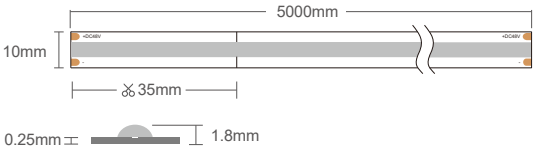
CIVILIGHT

20W/m

Features:
· 2100K/2700K/3000K/4000K/6000K, high CRI 90
· High power 20W/m, high brightness 2000lm/m@3000K for general lighting
· High efficiency 100lm/W@3000K
· Comfortable and uniform light without lighting dot
· Brightness difference is less than 10% from end to end for 5m length
· 48V, high power efficiency
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

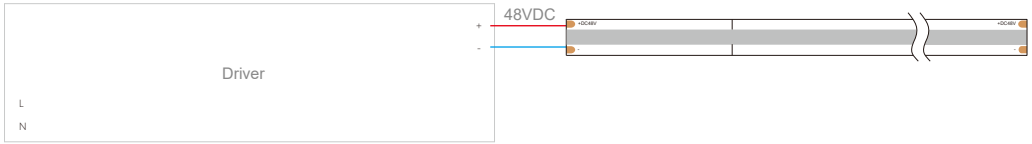


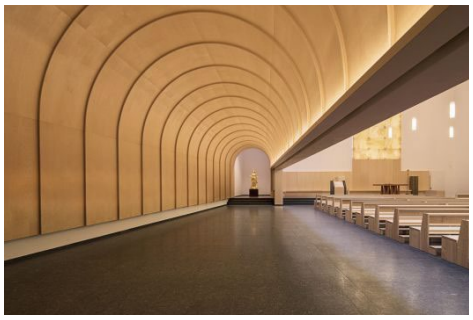
Applications:
· Main project lighting for spaces like shops, hotels and restarants, etc.
· Main lighting fixtures in the construction of industrial or commercial facilities, like supermarkets, 4S shops or reception lobbies



Part No.	■ CTF(2 / W / 3 / 4 / 6)C120G105			
Wattage	■ 20W/m			
Voltage	■ 48VDC			
Dimming type	■ Sig Mesh / WIFI / Triac / 1-10V / DALI			
Light color	■ 2100K / 2700K / 3000K / 4000K / 6000K			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
76004	2100K± 150K	1700lm± 5%	85lm/ W	90
76005	2700K± 150K	1900lm± 5%	95lm/ W	90
76006	3000K± 150K	2000lm± 5%	100lm/ W	90
76007	4000K± 200K	2100lm± 5%	105lm/ W	90
76009	6000K± 300K	2100lm± 5%	105lm/ W	90
Beam angle	■ 180°			
IP	■ 20			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller



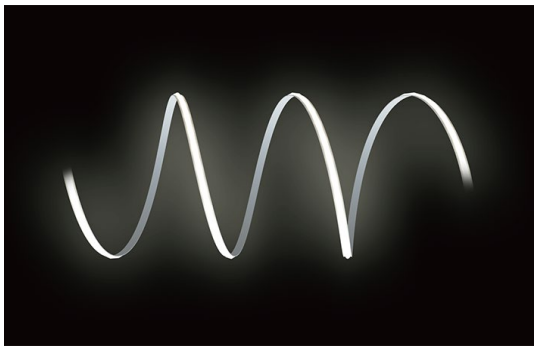


Single CCT | Artemi Flex Strip

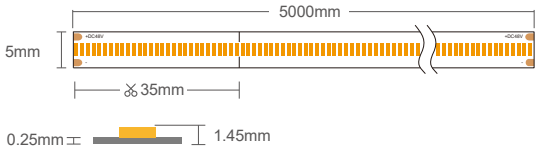
CIVILIGHT

Mini 5mm, 8W/m

Features:
· 2100K/2700K/3000K/4000K/6000K, high CRI 90
· Mini 5mm wide, 8W/m, 800lm/m@3000K for cabinet lighting
· High efficiency 100lm/W@3000K
· Comfortable and uniform light without lighting dot by 3D SMD LED
· Brightness difference is less than 10% from end to end for 5m length
· 48V, high power efficiency
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

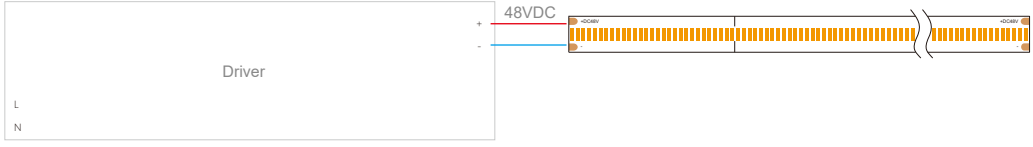


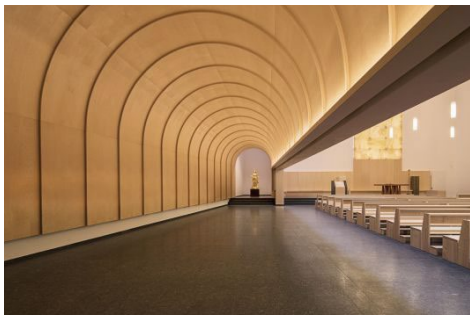
Applications:
· Lighting for cabinet, wardrobe, wine cabinet, display cabinet, etc.
· Used in narrow spaces



Part No.	CTS(2 / W / 3 / 4 / 6)C108G055			
Wattage	8W/m			
Voltage	48VDC			
Dimming type	Sig Mesh / WIFI Triac / 1-10V / DALI			
Light color	2100K / 2700K / 3000K / 4000K / 6000K			
Code	CCT	Lumen/m	Luminous Efficiency	CRI
76010	2100K± 150K	680lm± 5%	85lm/ W	90
76011	2700K± 150K	760lm± 5%	95lm/ W	90
76012	3000K± 150K	800lm± 5%	100lm/ W	90
76013	4000K± 200K	840lm± 5%	105lm/ W	90
76015	6000K± 300K	840lm± 5%	105lm/ W	90
Beam angle	180°			
IP	IP20			
Lifespan	25,000hrs without heatsink. 40,000hrs with heatsink			
Package	5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller





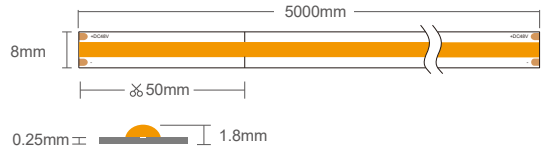
Single CCT | Nox Flex Strip

CIVILIGHT

15W/m

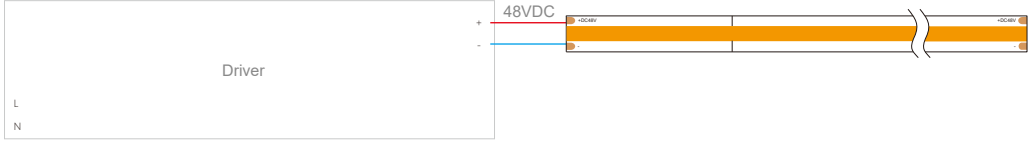
Features:
· 2100K/2700K/3000K/4000K/6000K, high CRI 90
· 15W/m, high brightness 1350lm/m@3000K for general lighting
· High efficiency 90lm/W@3000K
· Comfortable and uniform light without lighting dot by COB
· 48V, high power efficiency
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

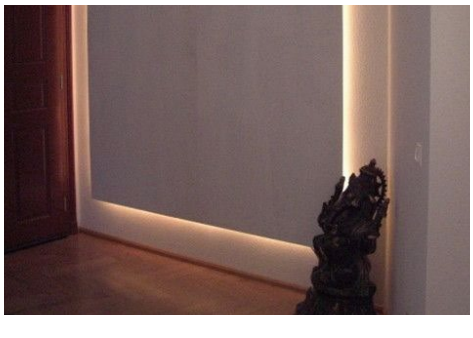
Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

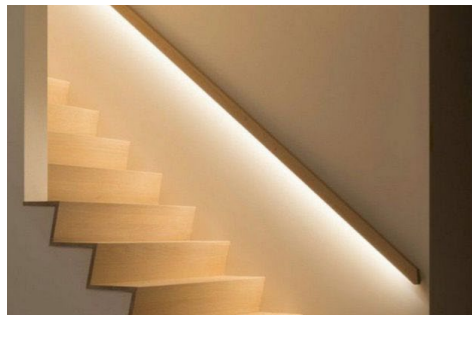


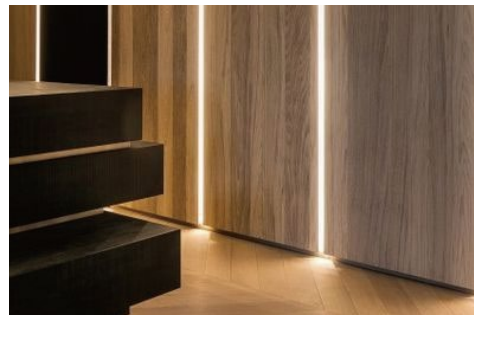
Part No.	CVF(2 / W / 3 / 4 / 6)C115G085			
Wattage	15W/m			
Voltage	48VDC			
Dimming type	Sig Mesh / WIFI / Triac / 1-10V / DALI			
Light color	2100K / 2700K / 3000K / 4000K / 6000K			
Code	CCT	Lumen/m	Luminous Efficiency	CRI
75401	2100K± 150K	1050lm± 5%	70lm/ W	90
75402	2700K± 150K	1275lm± 5%	85lm/ W	90
75403	3000K± 150K	1350lm± 5%	90lm/ W	90
75404	4000K± 200K	1425lm± 5%	95lm/ W	90
75406	6000K± 300K	1425lm± 5%	95lm/ W	90
Beam angle	180°			
IP	IP20			
Lifespan	25,000hrs without heatsink. 40,000hrs with heatsink			
Package	5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller









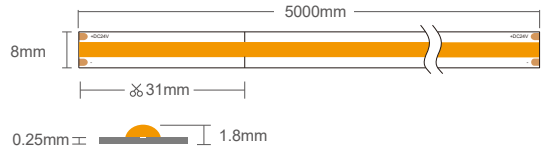
Single CCT | Nox Flex Strip

CIVILIGHT

12W/m

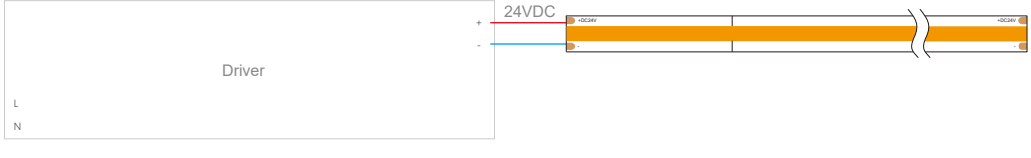
Features:
· 2100K/2700K/3000K/4000K/6000K, high CRI 90
· 12W/m, high brightness 1080lm/m@3000K for general lighting
· High efficiency 90lm/W@3000K
· Comfortable and uniform light without lighting dot by COB
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

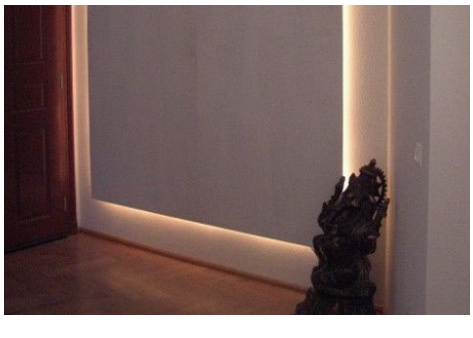
Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

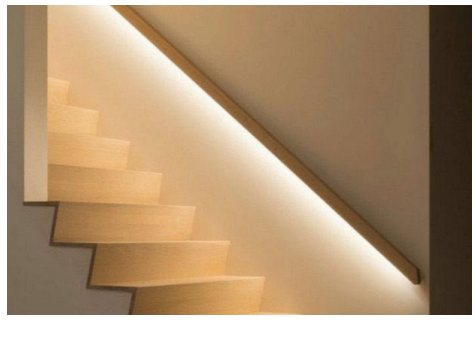


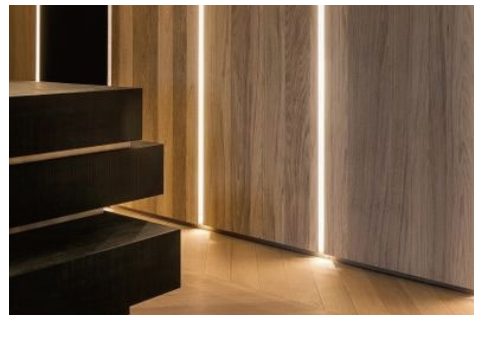
Part No.	CVF(2 / W / 3 / 4 / 6)C112C085			
Wattage	12W/m			
Voltage	24VDC			
Dimming type	Sig Mesh / WIFI / Triac / 1-10V / DALI			
Light color	2100K / 2700K / 3000K / 4000K / 6000K			
Code	CCT	Lumen/m	Luminous Efficiency	CRI
75371	2100K± 150K	840lm± 5%	70lm/ W	90
75372	2700K± 150K	1020lm± 5%	85lm/ W	90
75373	3000K± 150K	1080lm± 5%	90lm/ W	90
75374	4000K± 200K	1140lm± 5%	95lm/ W	90
75376	6000K± 300K	1140lm± 5%	95lm/ W	90
Beam angle	180°			
IP	IP20			
Lifespan	25,000hrs without heatsink. 40,000hrs with heatsink			
Package	5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller









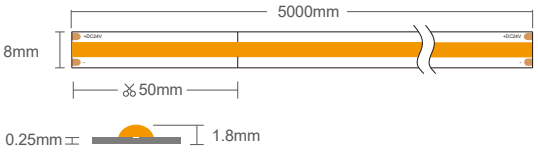
Single CCT | Nox Flex Strip

CIVILIGHT

10W/m

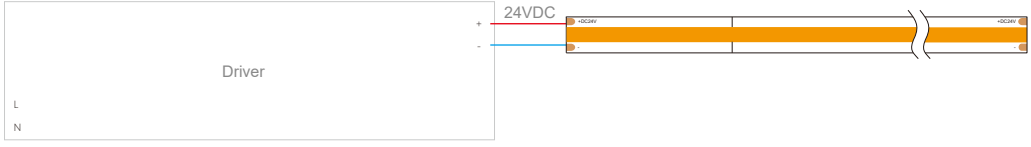
Features:
· 2100K/2700K/3000K/4000K/6000K, high CRI 90
· 10W/m, high brightness 900lm/m@3000K for general lighting
· High efficiency 90lm/W@3000K
· Comfortable and uniform light without lighting dot by COB
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

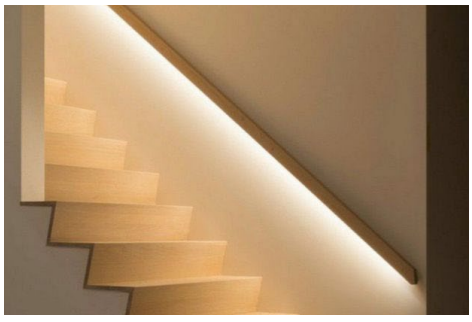
Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.



Part No.	CVF(2 / W / 3 / 4 / 6)C110C085			
Wattage	10W/m			
Voltage	24VDC			
Dimming type	Sig Mesh / WIFI / Triac / 1-10V / DALI			
Light color	2100K / 2700K / 3000K / 4000K / 6000K			
Code	CCT	Lumen/m	Luminous Efficiency	CRI
75353	2100K± 150K	700lm± 5%	70lm/ W	90
75354	2700K± 150K	850lm± 5%	85lm/ W	90
75355	3000K± 150K	900lm± 5%	90lm/ W	90
75356	4000K± 200K	950lm± 5%	95lm/ W	90
75358	6000K± 300K	950lm± 5%	95lm/ W	90
Beam angle	180°			
IP	IP20			
Lifespan	25,000hrs without heatsink. 40,000hrs with heatsink			
Package	5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller





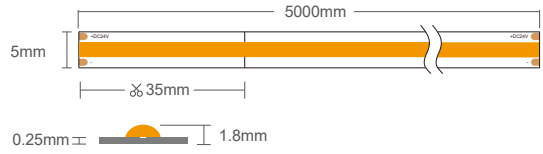
Single CCT | Nox Flex Strip

CIVILIGHT

Mini 5mm, 6W/m

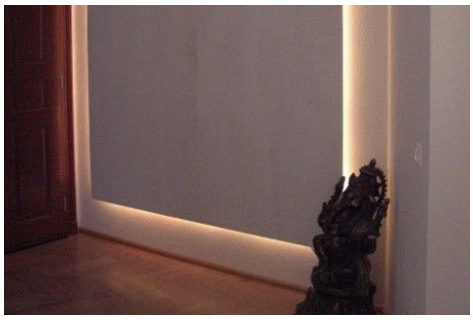
Features:
· 2100K/2700K/3000K/4000K/6000K, high CRI 90
· Mini 5mm wide, 6W/m, 540lm/m@3000K for cabinet lighting
· High efficiency 90lm/W@3000K
· Comfortable and uniform light without lighting dot by COB
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

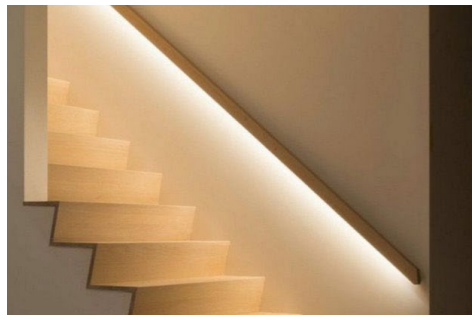
Applications:
· Lighting for cabinet, wardrobe, wine cabinet, display cabinet, etc.
· Used in narrow spaces

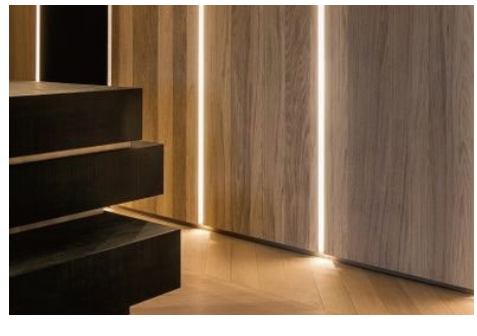


Part No.	■ CVF(2 / W / 3 / 4 / 6)C106C055			
Wattage	■ 6W/m			
Voltage	■ 24VDC			
Dimming type	■ Sig Mesh / WIFI / Triac / 1-10V / DALI			
Light color	■ 2100K / 2700K / 3000K / 4000K / 6000K			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
75427	2100K± 150K	420lm± 5%	70lm/ W	90
75428	2700K± 150K	510lm± 5%	85lm/ W	90
75429	3000K± 150K	540lm± 5%	90lm/ W	90
75430	4000K± 200K	570lm± 5%	95lm/ W	90
75432	6000K± 300K	570lm± 5%	95lm/ W	90
Beam angle	■ 180°			
IP	■ IP20			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller







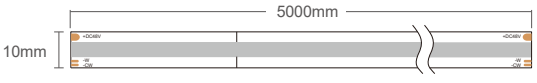
Lotis | SUNWHITE® | Nox Flex Strip

CIVILIGHT

15W/m, tunable white 2700-6000K, IP65

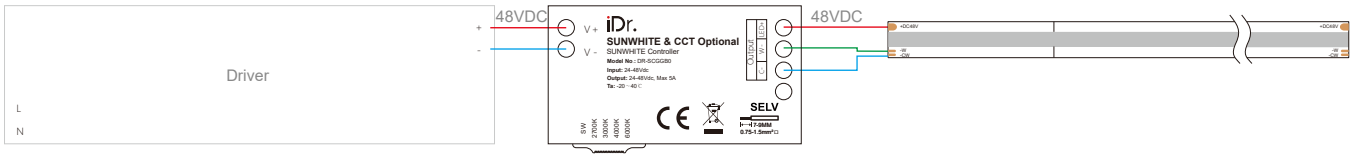
Features:
· IP65 with nano coating for outdoor application
· SUNWHITE® technology, automatically changing in line with real sunshine
· 2700K~6000K, CRI 80
· High power 15W/m, high brightness 1425lm/m@3000K for general lighting
· High efficiency 95lm/W@3000K
· Comfortable and uniform light with no lighting dot
· 48V, high power efficiency
· Wide beam angle 180°
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

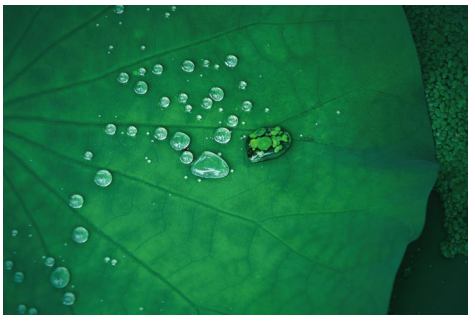
Applications:
· Outdoor lighting for residential
· Project applications for public places, hotels,etc



Part No.	■ CVFW6C115G105			
Wattage	■ 15W/m			
Voltage	■ 48VDC			
Dimming type	■ SW & CCT / SW & Dim / SW & Sig Mesh / WIFI / DALI / 1-10V			
Light color	■ 2700~6000K			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
75368	2700K± 150K	1350lm± 5%	90m/ W	80
	3000K± 150K	1425lm± 5%	95lm/ W	80
	4000K± 200K	1500lm± 5%	100lm/ W	80
	5000K± 250K	1500lm± 5%	100lm/ W	80
	6000K± 300K	1500lm± 5%	100lm/ W	80
Beam angle	■ 180°			
IP	■ IP65			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller





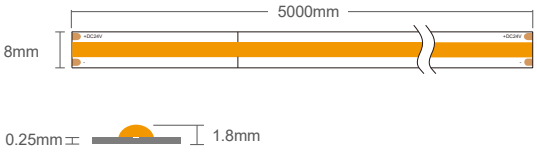
Lotis | Single CCT | Nox Flex Strip

CIVILIGHT

15W/m, IP65

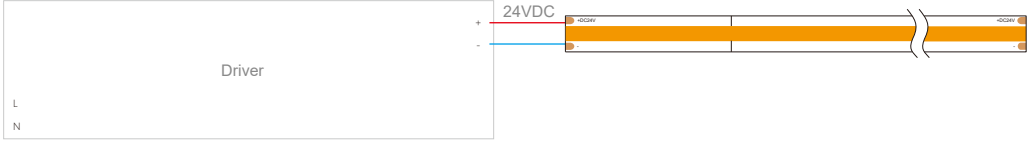
Features:
· IP65 with nano coating for outdoor application
· 2100K/2700K/3000K/4000K/6000K, high CRI 80
· High power 15W/m, high brightness 1350lm/m@3000K for general lighting
· High efficiency 90lm/W@3000K
· Comfortable and uniform light without lighting dot by COB
· Wide beam angle 180°
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

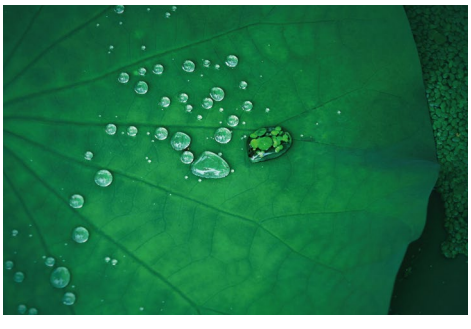
Applications:
· Outdoor lighting for residential
· Project applications for public places, hotels,etc



Part No.	■ CVF(2 / W / 3 / 4 / 6)C115C085			
Wattage	■ 15W/m			
Voltage	■ 24VDC			
Dimming type	■ Triac / 1-10V / DALI			
Light color	■ 2100K / 2700K / 3000K / 4000K / 6000K			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
75395	2100K± 150K	1050lm± 5%	70lm/ W	80
75396	2700K± 150K	1275lm± 5%	85lm/ W	80
75397	3000K± 150K	1350lm± 5%	90lm/ W	80
75398	4000K± 200K	1425lm± 5%	95lm/ W	80
75400	6000K± 300K	1425lm± 5%	95lm/ W	80
Beam angle	■ 180°			
IP	■ IP65			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (2PCS)			

Use diagram of Controller



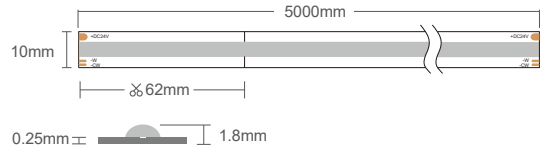


Flex Strip Package (Flex Strip & Controller & Adaptor Incl.)

CIVILIGHT

SUNWHITE® | Meta Flex Strip | 12W/m, tunable white 2700-6000K

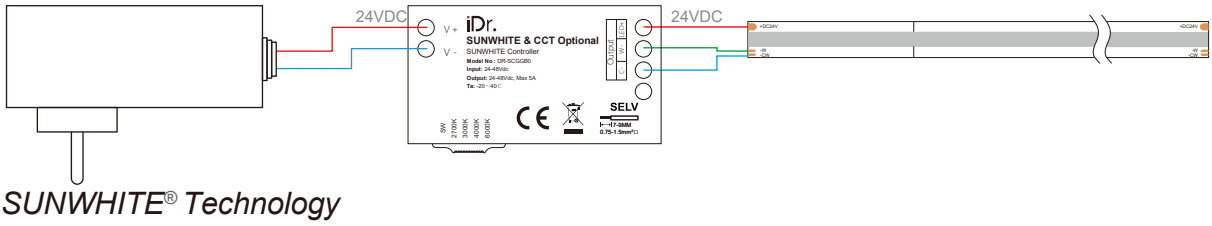
Features:
· Plug-and-play, package includes flex strip & controller & adaptor
· SUNWHITE® technology, automatically changing in line with real sunshine
· 2700K~6000K, high CRI 90
· High power 12W/m, high brightness 1140lm/m@3000K for general lighting
· High efficiency 95lm/W@3000K
· Comfortable and uniform light without lighting dot
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink



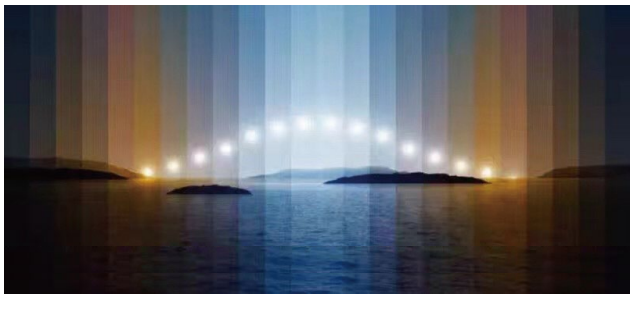
Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

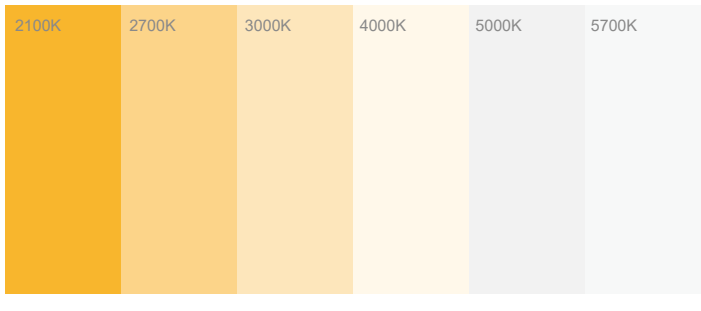
Part No.	■ CVFW6C112C105			
Wattage	■ 12W/m			
Voltage	■ 24VDC			
Dimming type	■ SW & CCT / SW & Dim / SW & Sig Mesh / WIFI / DALI / 1-10V			
Light color	■ 2700~6000K			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
77505	2700K± 150K	1080lm± 5%	90lm/ W	90
	3000K± 150K	1140lm± 5%	95lm/ W	90
	4000K± 200K	1200lm± 5%	100lm/ W	90
	5000K± 250K	1200lm± 5%	100lm/ W	90
	6000K± 300K	1200lm± 5%	100lm/ W	90
Beam angle	■ 180°			
IP	■ IP20			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (1PCS)			

Use diagram of Controller



SUNWHITE® Technology



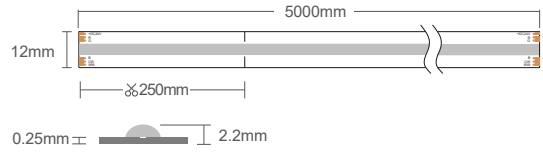


Flex Strip Package (Flex Strip & Controller & Adaptor Incl.)

CIVILIGHT

Protus | Meta Flex Strip | 12W/m, tunable white 2100-6500K & RGB full color range

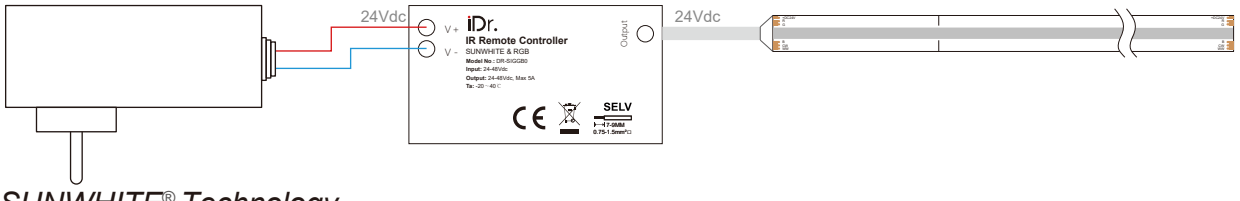
Features:
· Plug-and-play, package includes flex strip & controller & adaptor
· SUNWHITE® technology, automatically changing in line with real sunshine
· 2100K~6500K, high CRI 90
· RGB full color range
· High power 12W/m, high brightness 900lm/m@3000K for general lighting
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink



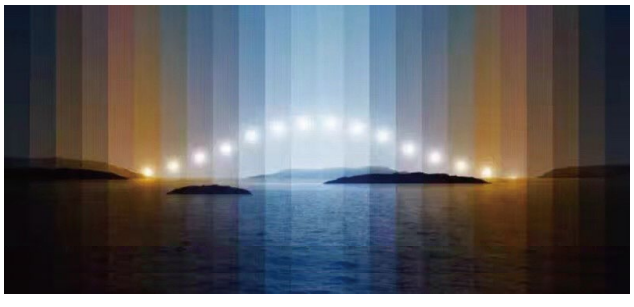
Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

Part No.	■ CVS2CQC112C125			
Wattage	■ 12W/m (WW & CW 10W/m, RGB 2W/m)			
Voltage	■ 24VDC			
Dimming type	■ WIFI / IR remote control / Voice control			
Light color	■ 2100~6500K & RGB			
Code	■ CCT	■ Lumen/m	■ Luminous Efficiency	■ CRI
77506	2100K± 150K	700lm± 5%	70lm/ W	90
	2700K± 150K	750lm± 5%	75lm/ W	90
	3000K± 150K	750lm± 5%	75lm/ W	90
	4000K± 200K	800lm± 5%	80lm/ W	90
	5000K± 250K	800lm± 5%	80lm/ W	90
	6000K± 300K	800lm± 5%	80lm/ W	90
	■ RGB	■ Lumen/m	■ Luminous Efficiency	■ Wavelength
	R	20lm± 5%	10lm/ W	625nm
	G	160lm± 5%	80lm/ W	520nm
	B	30lm± 5%	15lm/ W	470nm
Beam angle	■ 180°			
IP	■ IP20			
Lifespan	■ 25,000hrs without heatsink. 40,000hrs with heatsink			
Package	■ 5m/roll, gift box, 230*180*38mm (1PCS)			

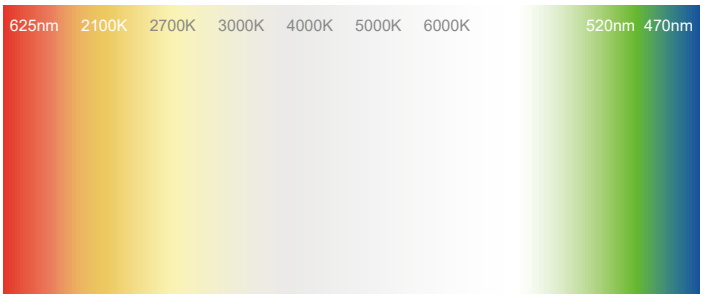
Use diagram of Controller



SUNWHITE® Technology



Full color range

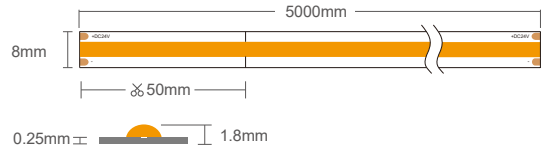


Flex Strip Package (Flex Strip & Controller & Adaptor Incl.)

CIVILIGHT

Single CCT | Nox Flex Strip | 10W/m

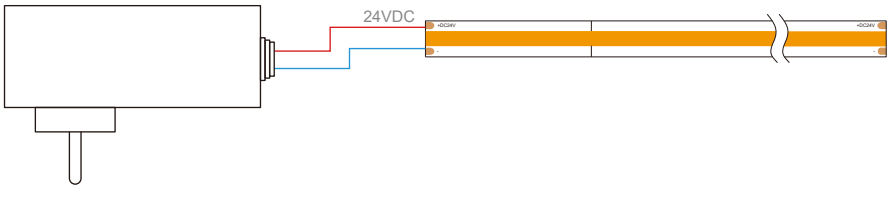
Features:
· Plug-and-play, package includes flex strip & controller & adaptor
· 2100K/2700K/3000K/4000K/6000K, high CRI 90
· 10W/m, high brightness 900lm/m@3000K for general lighting
· High efficiency 90lm/W@3000K
· Comfortable and uniform light without lighting dot by COB
· Wide beam angle 180°
· Easy to cut
· 3M adhesive back tape
· Good dissipation, 25000hrs lifespan, 40000hrs long lifespan with heatsink

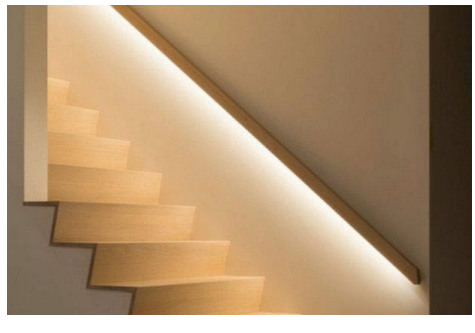


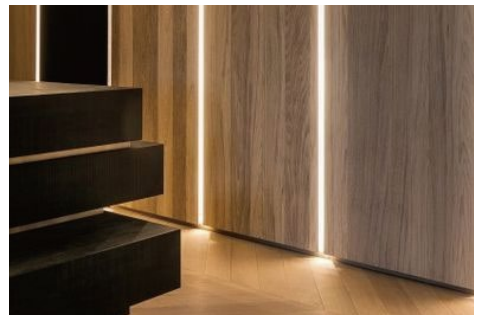
Applications:
· Hotel lighting and residential lighting, such as aisle, corridor, bar or room, etc.

Part No.	CVF(2 / W / 3 / 4 / 6)C110C085			
Wattage	10W/m			
Voltage	24VDC			
Dimming type	Sig Mesh / WIFI / Triac / 1-10V / DALI			
Light color	2100K / 2700K / 3000K / 4000K / 6000K			
Code	CCT	Lumen/m	Luminous Efficiency	CRI
75634	2100K± 150K	700lm± 5%	70lm/ W	90
75635	2700K± 150K	850lm± 5%	85lm/ W	90
75636	3000K± 150K	900lm± 5%	90lm/ W	90
75637	4000K± 200K	950lm± 5%	95lm/ W	90
75639	6000K± 300K	950lm± 5%	95lm/ W	90
Beam angle	180°			
IP	IP20			
Lifespan	25,000hrs without heatsink. 40,000hrs with heatsink			
Package	5m/roll, gift box, 230*180*38mm (1PCS)			

Use diagram of Controller





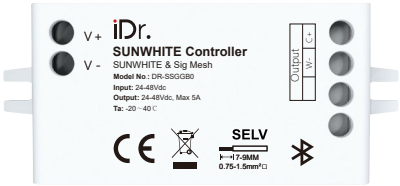


Controller | SUNWHITE® Sig Mesh

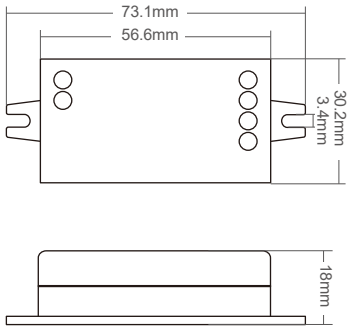
2-wire SUNWHITE® & tunable white

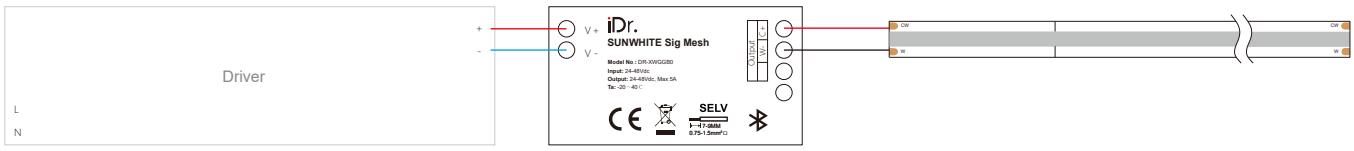
2-wire SUNWHITE® & tunable white
· Special design 2 wires (CW+, WW-) output to control CCT & brightness of flex strip
· Super low brightness difference from end to end of flex strip

SUNWHITE® Sig Mesh
· SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun
· 24-48VDC constant voltage Sig Mesh control
· Sig Mesh enables local wireless control of CCT & brightness
· Bluetooth gateway enables remote control



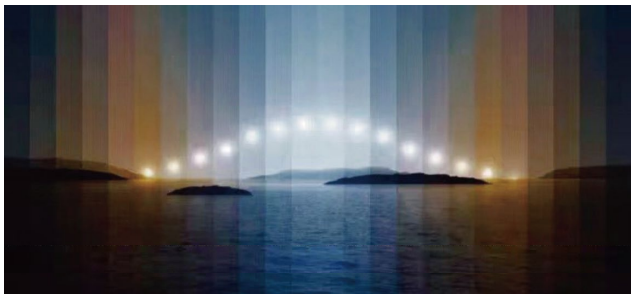
Part No.	DR-2SSGGA0	DR-2SSGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6*30.2*18mm	56.6*30.2*18mm

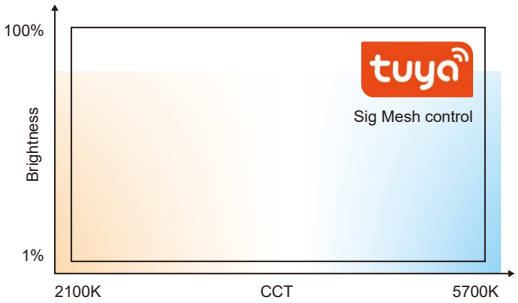




SUNWHITE® Technology

SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun.





Adjust CCT & brightness by Tuya APP directly

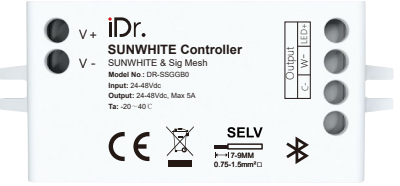
Controller | SUNWHITE® Sig Mesh

CIVILIGHT

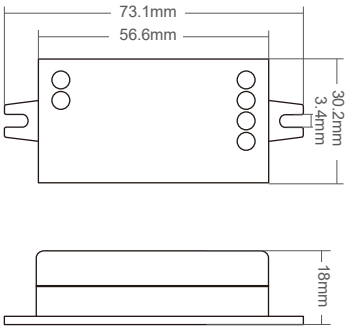
3-wire SUNWHITE® & tunable white

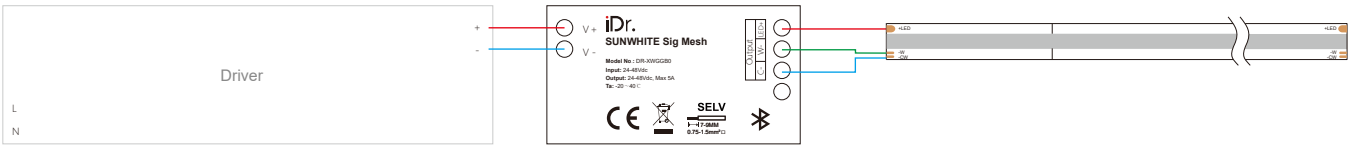
3-wire SUNWHITE® & tunable white
· Standard 3 wires(LED+, CW-, WW-) output to control CCT & brightness of flex strip

SUNWHITE® Sig Mesh
· SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun
· 24-48VDC constant voltage Sig Mesh control
· Sig Mesh enables local wireless control of CCT & brightness
· Bluetooth gateway enables remote control



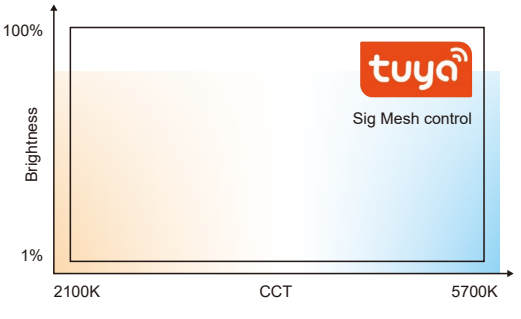
Part No.	DR-3SSGGA0	DR-3SSGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6*30.2*18mm	56.6*30.2*18mm





SUNWHITE® Technology

SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun.



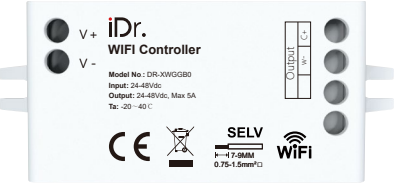
Adjust CCT & brightness by Tuya APP directly

Controller | WIFI

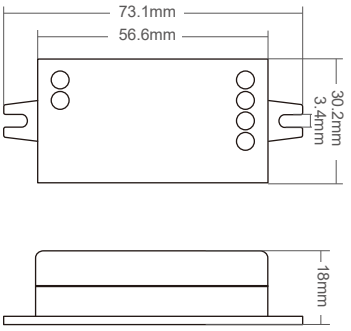
2-wire tunable white

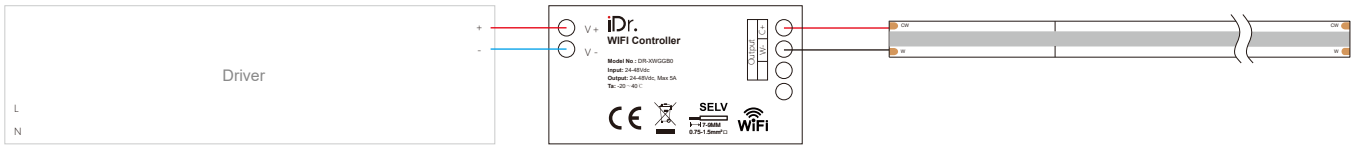
2-wire tunable white
· Special design 2 wires (CW+, WW-) output to control CCT & brightness of flex strip
· Super low brightness difference from end to end of flex strip

WIFI
· 24-48VDC constant voltage WIFI
· WIFI dual-mode constant voltage controller, local remote control
· Customize CCT & brightness by user

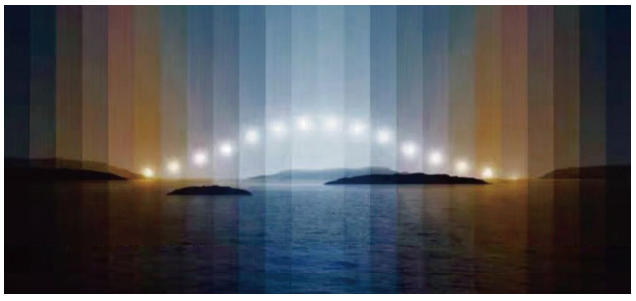


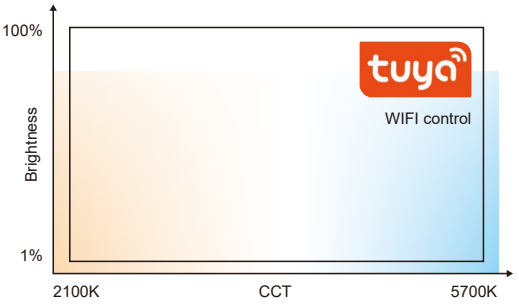
Part No.	DR-2XWGGA0	DR-2XWGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6*30.2*18mm	56.6*30.2*18mm





WIFI Control





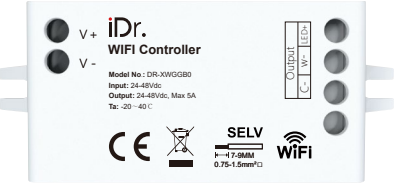
Adjust CCT & brightness by Tuya APP directly

Controller | WIFI

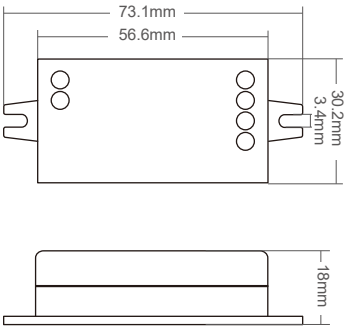
3-wire tunable white

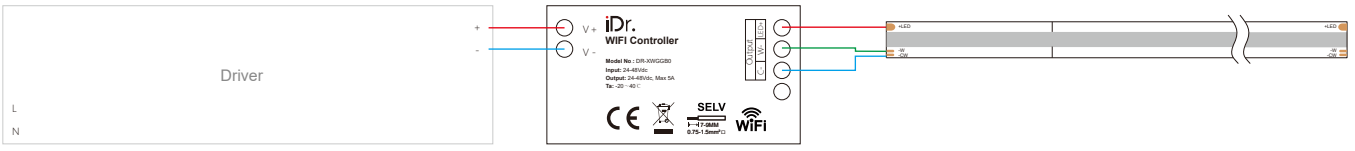
3-wire tunable white
· Standard 3 wires(LED+, CW-, WW-) output to control CCT & brightness of flex strip

WIFI
· 24-48VDC constant voltage WIFI
· WIFI dual-mode constant voltage controller, local remote control
· Customize CCT & brightness by user

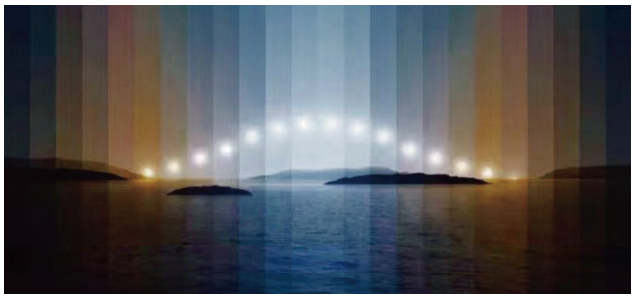


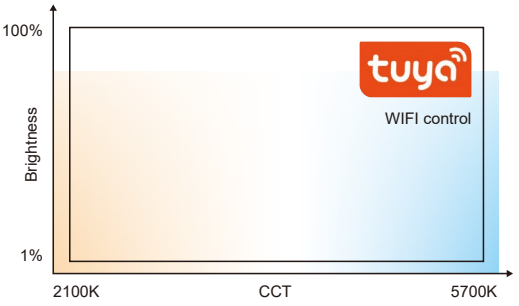
Part No.	DR-3XWGGA0	DR-3XWGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6*30.2*18mm	56.6*30.2*18mm





WIFI Control





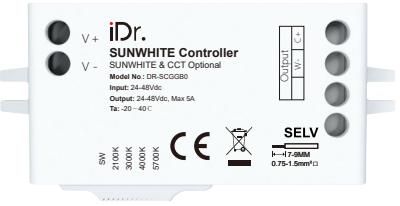
Adjust CCT & brightness by Tuya APP directly

Controller | SUNWHITE® CCT Optional

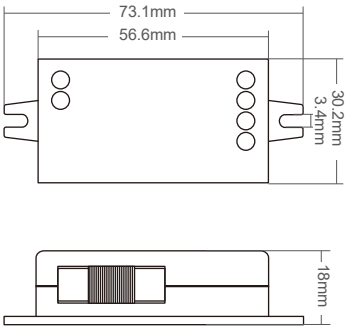
2-wire SUNWHITE® & tunable white

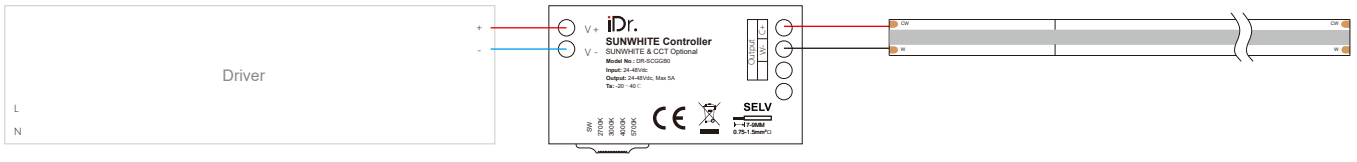
2-wire SUNWHITE® & tunable white
· Special design 2 wires (CW+, WW-) output to control CCT & brightness of flex strip
· Super low brightness difference from end to end of flex strip

SUNWHITE® CCT Optional
· SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun
· 24-48VDC constant voltage DIP switch
· 5 CCT modes to choose light color freely



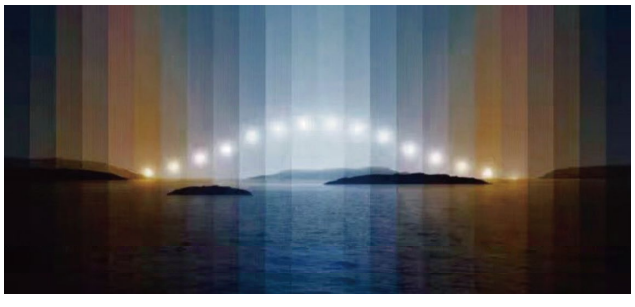
Part No.	DR-2SCGGA0	DR-2SCGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6*30.2*18mm	56.6*30.2*18mm

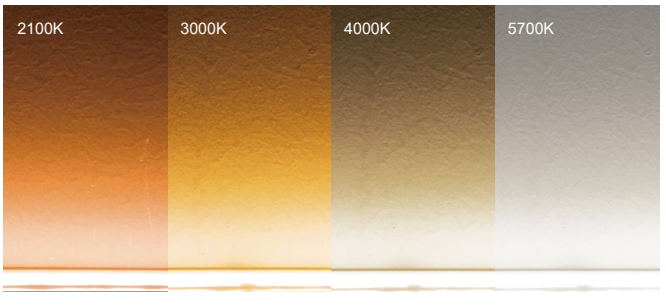




SUNWHITE® Technology

SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun.





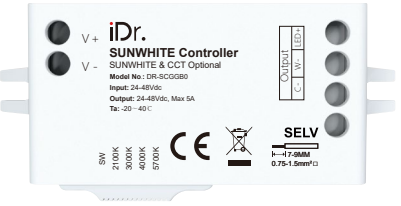
Controller | SUNWHITE® CCT Optional

CIVILIGHT

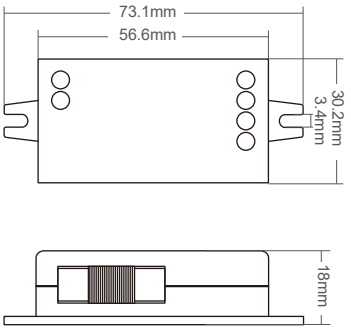
3-wire SUNWHITE® & tunable white

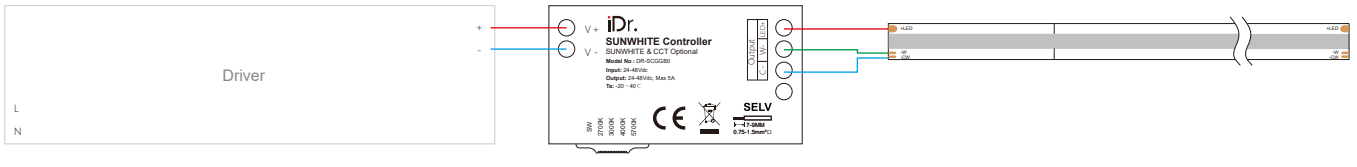
3-wire SUNWHITE® & tunable white
· Standard 3 wires(LED+, CW-, WW-) output to control CCT & brightness of flex strip

SUNWHITE® CCT Optional
· SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun
· 24-48VDC constant voltage DIP switch
· 5 CCT modes to choose light color freely



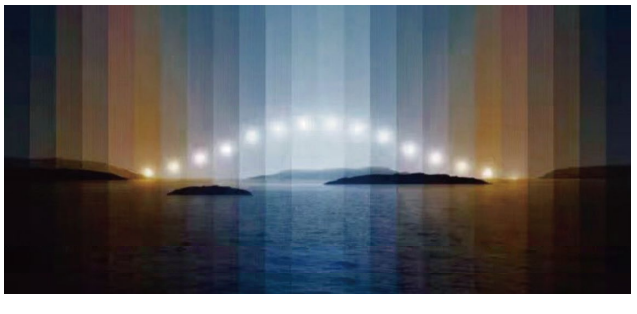
Part No.	DR-3SCGGA0	DR-3SCGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6*30.2*18mm	56.6*30.2*18mm

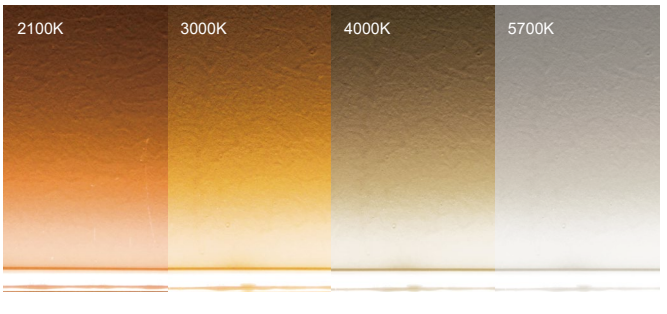




SUNWHITE® Technology

SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun.





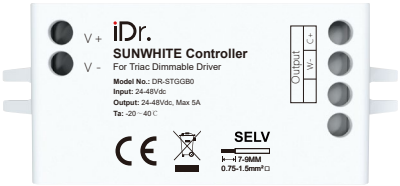
Controller | SUNWHITE® Triac coming soon

CIVILIGHT

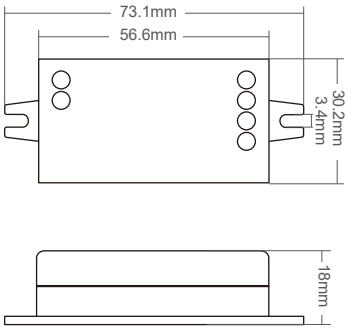
2-wire SUNWHITE® & tunable white

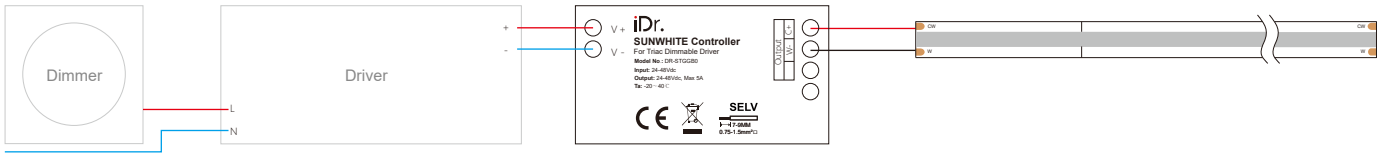
2-wire SUNWHITE® & tunable white
· Special design 2 wires (CW+, WW-) output to control CCT & brightness of flex strip
· Super low brightness difference from end to end of flex strip

SUNWHITE® Triac
· SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun
· 24-48VDC constant voltage SCR dimming
· Dimmer can be used to adjust brightness. When brightness is adjusted to 20%, dimming warm can be realized; when brightness is adjusted to 20%, SUNWHITE® will not run



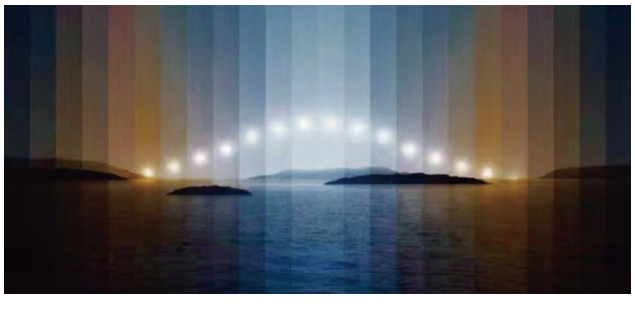
Part No.	DR-2STGGA0	DR-2STGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6* 30.2* 18mm	56.6* 30.2* 18mm

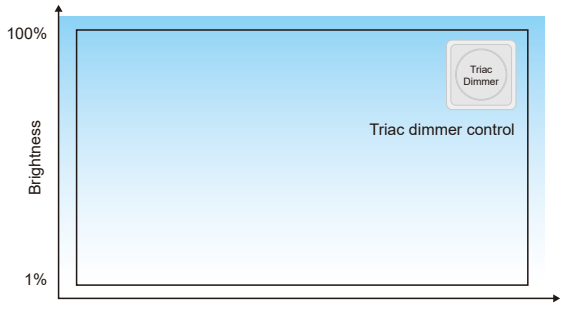




SUNWHITE® Technology

SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun.





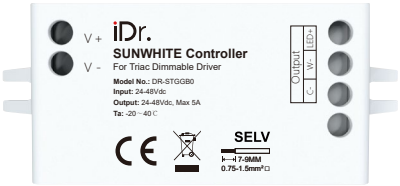
Controller | SUNWHITE® Triac coming soon

CIVILIGHT

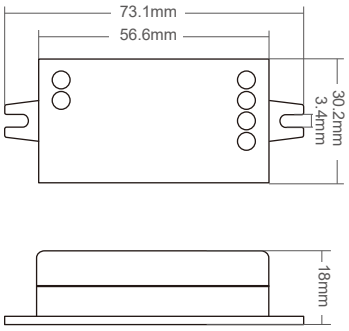
3-wire SUNWHITE® & tunable white

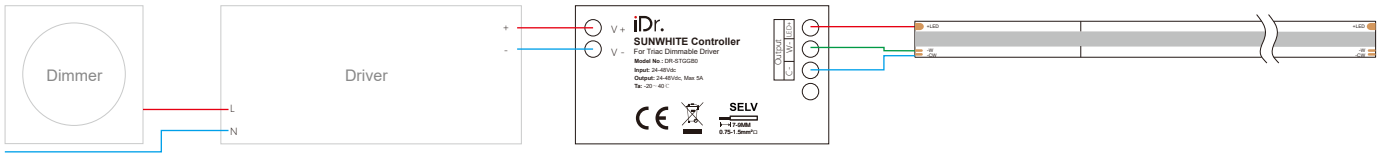
3-wire SUNWHITE® & tunable white
· Standard 3 wires(LED+, CW-, WW-) output to control brightness of flex strip

SUNWHITE® Triac
· SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun
· 24-48VDC constant voltage SCR dimming
· Dimmer can be used to adjust brightness. When brightness is adjusted to 20%, dimming warm can be realized; when brightness is adjusted to 20%, SUNWHITE® will not run



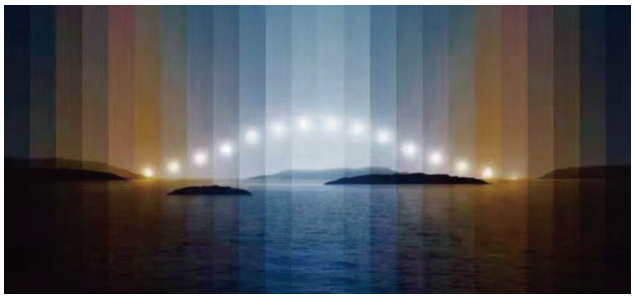
Part No.	DR-3STGGA0	DR-3STGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6* 30.2* 18mm	56.6* 30.2* 18mm

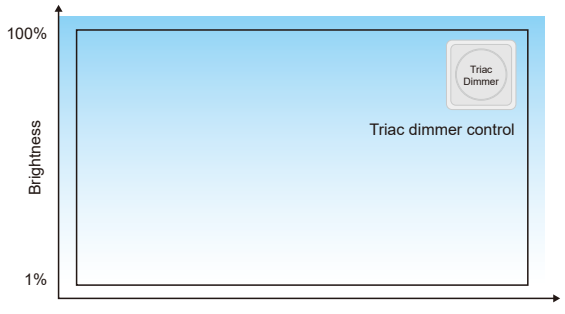




SUNWHITE® Technology

SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun.



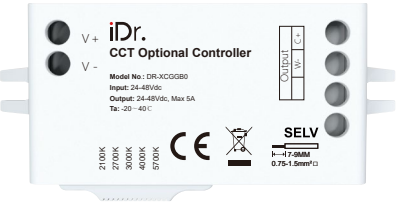


Controller | CCT Optional

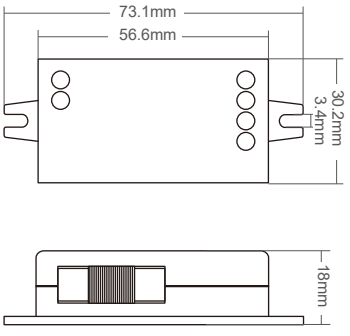
2-wire tunable white

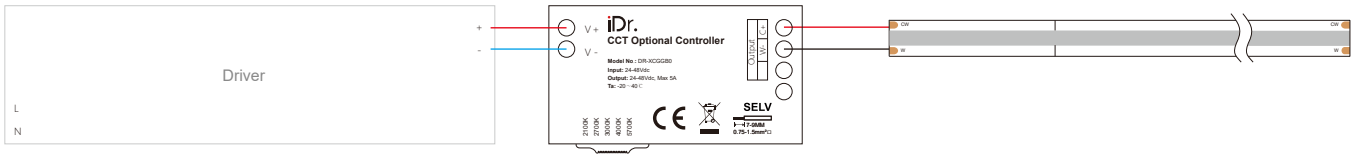
2-wire tunable white
· Special design 2 wires (CW+, WW-) output to control CCT & brightness of flex strip
· Super low brightness difference from end to end of flex strip

CCT Optional
· 24-48VDC constant voltage DIP switch
· 5 CCT modes to choose light color freely

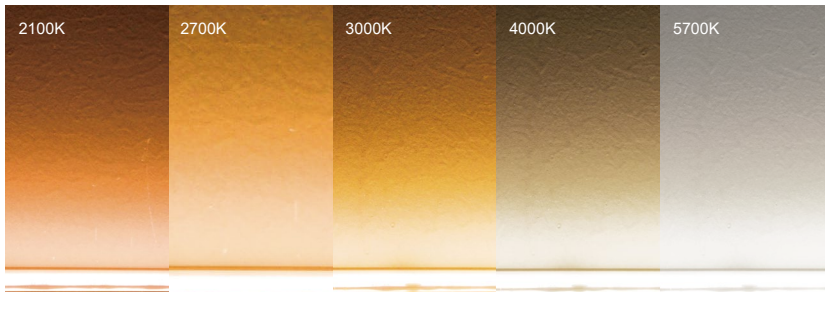


Part No.	DR-2XCGGA0	DR-2XCGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6* 30.2* 18mm	56.6* 30.2* 18mm





DIP Switch

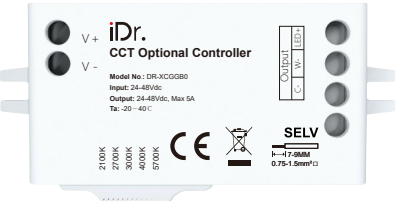


Controller | CCT Optional

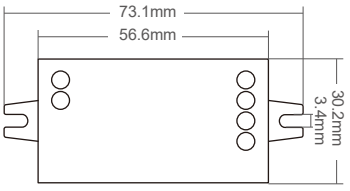
3-wire tunable white

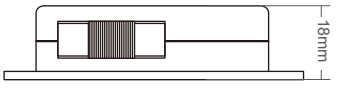
3-wire tunable white
· Standard 3 wires(LED+, CW-, WW-) output to control CCT & brightness of flex strip

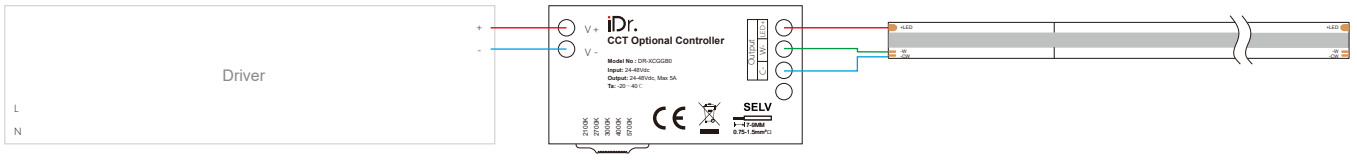
CCT Optional
· 24-48VDC constant voltage DIP switch
· 5 CCT modes to choose light color freely



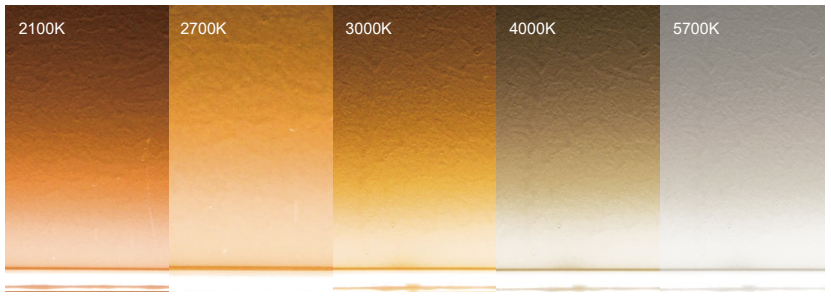
Part No.	DR-3XCGGA0	DR-3XCGGB0
Wattge (Max.)	100W	200W
Input Vot.	24-48VDC	24-48VDC
Input Cur.	2A	5A
Output Vot.	24-48VDC	24-48VDC
Output Cur.	2A	5A
Efficiency	95%	98%
Working temperatuer range	-20~40°C	-20~40°C
Storage temperature range	-20~70°C	-20~70°C
Size	56.6* 30.2* 18mm	56.6* 30.2* 18mm







DIP Switch



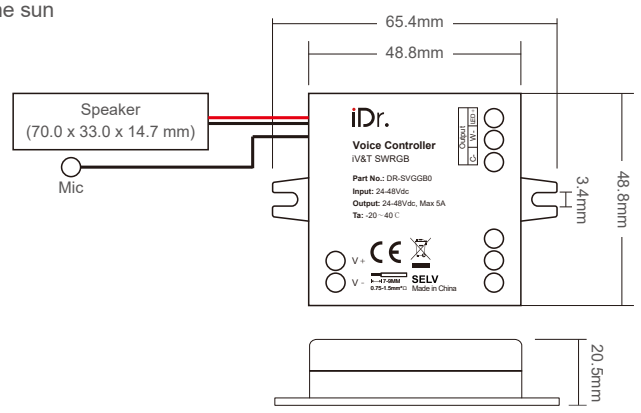
Controller | SUNWHITE® iV&T®

CIVILIGHT

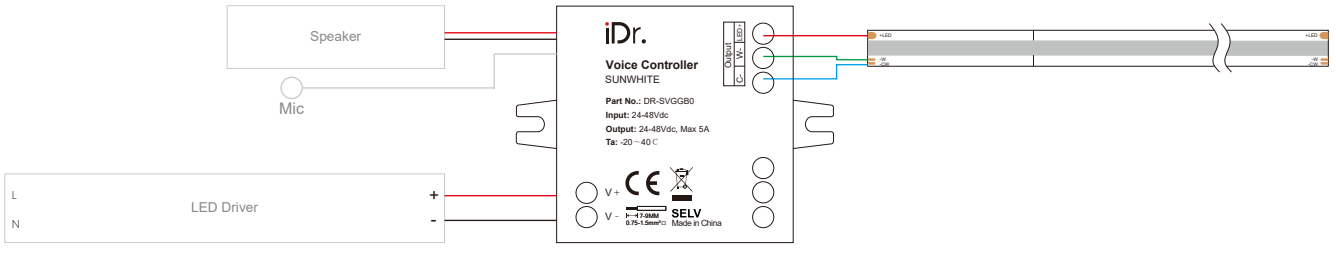
3-wire SUNWHITE® & tunable white

3-wire SUNWHITE® & tunable white
· Standard 3 wires (LED+, CW+, WW-) output to control CCT & brightness of flex strip

SUNWHITE® Voice
· SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun
· 24-48VDC constant voltage voice control
· Local remote control, no network required
· Multi-languages, English, German etc.
· Personalize command words by user's native language

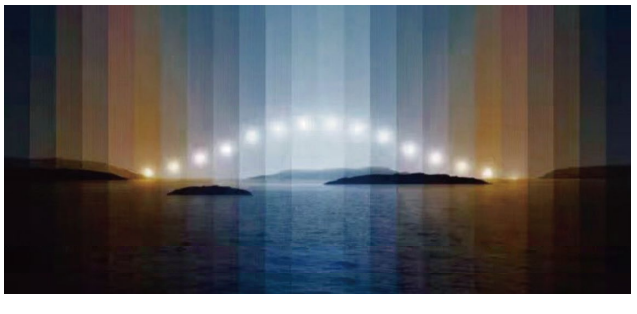


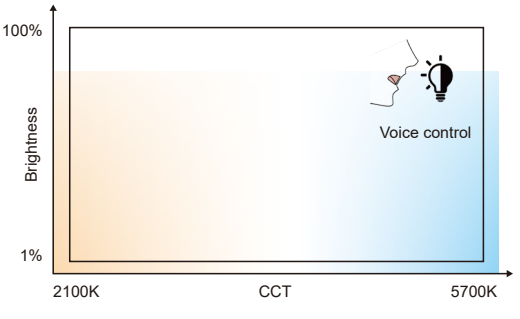
Part No.	■ DR-3SVGGB0
Wattge (Max.)	■ 200W
Input Vot.	■ 24-48VDC
Input Cur.	■ 5A
Output Vot.	■ 24-48VDC
Output Cur.	■ 5A
Efficiency	■ 98%
Working temperatuer range	■ -20~40°C
Storage temperature range	■ -20~70°C
Size	■ 65.4* 48.8* 20.5mm



SUNWHITE® Technology

SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun.





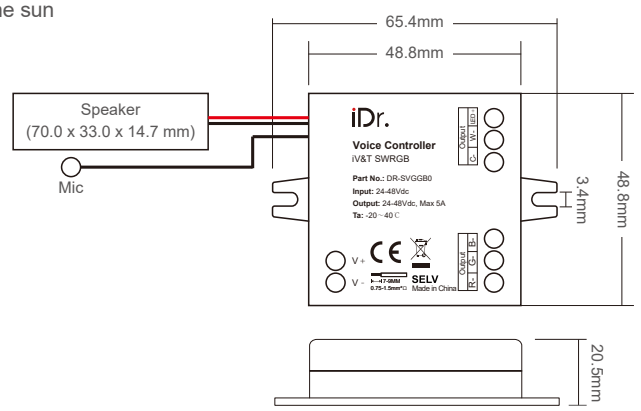
Controller | SUNWHITE® iV&T®

CIVILIGHT

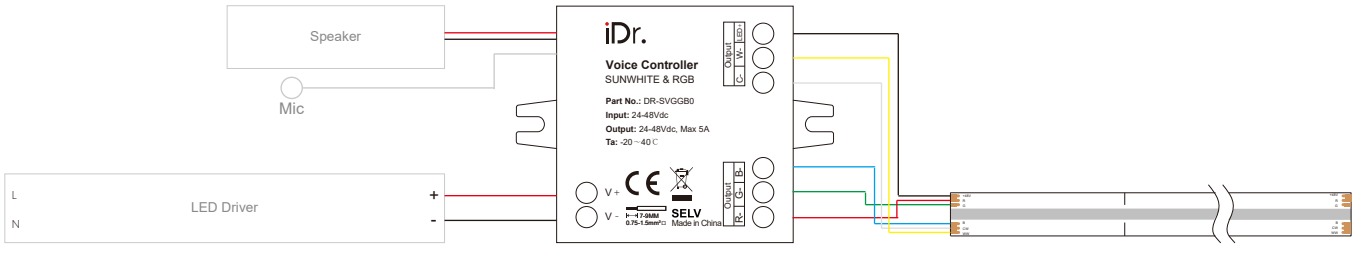
6-wire SUNWHITE® & tunable white & RGB

6-wire SUNWHITE® & tunable white & RGB
· 6 wires (LED+, R-, G-, B-, CW+, WW-) output to control colorful RGB & CCT & brightness of flex strip

SUNWHITE® Voice
· SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun
· 24-48VDC constant voltage voice control
· Local remote control, no network required
· Multi-languages, English, German etc.
· Personalize command words by user's native language

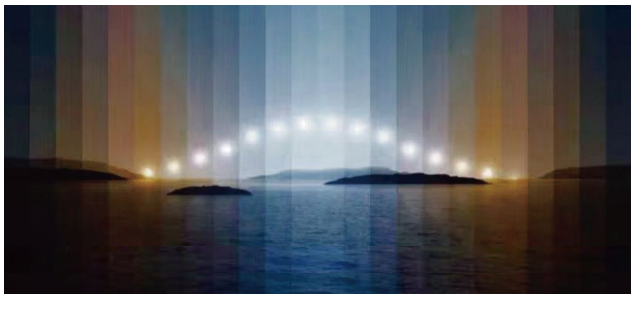


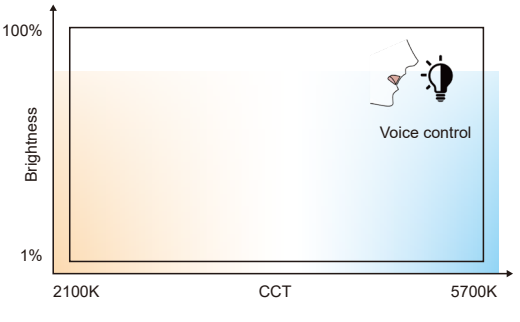
Part No.	■ DR-6SVGGB0
Wattge (Max.)	■ 200W
Input Vot.	■ 24-48VDC
Input Cur.	■ 5A
Output Vot.	■ 24-48VDC
Output Cur.	■ 5A
Efficiency	■ 98%
Working temperatuer range	■ -20~40°C
Storage temperature range	■ -20~70°C
Size	■ 65.4* 48.8* 20.5mm



SUNWHITE® Technology

SUNWHITE® changes CCT & brightness according to the sunrise and sunset of the sun.





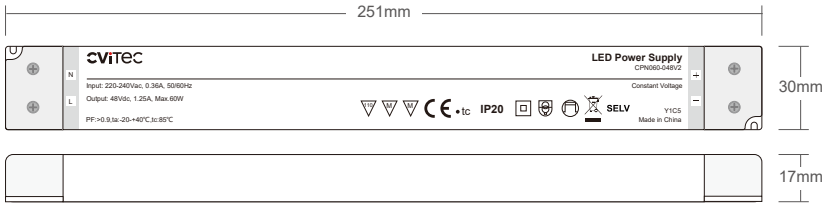
Power Supply | LED Driver

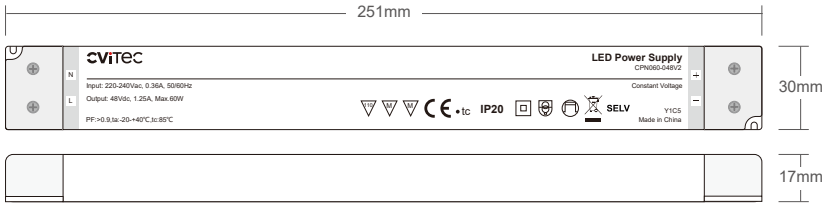
CIVILIGHT

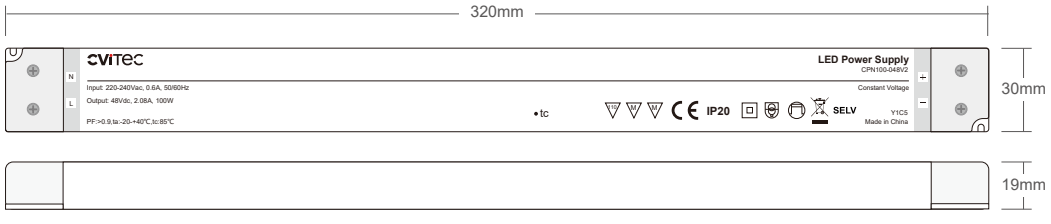
Constant Voltage

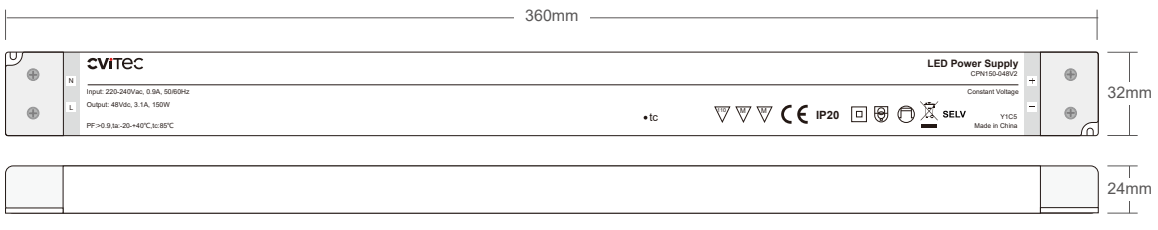
Features:
· Perfect thin design for linear lighting such as flex strip
· Constant voltage output DC24V & DC48V
· Optional 60W, 100W, 150W
· High PF>0.9
· 40000hrs long lifespan

Part No.	CPN-060-024V2	CPN-060-048V2	CPN-100-048V2	CPN-150-048V2
Wattage	60W	60W	100W	150W
Input	AC220-240V	AC220-240V	AC220-240V	AC220-240V
Output	DC24V, 2.50A	DC48V, 1.25A	DC48V, 2.08A	DC48V, 3.10A
PF	0.9	0.9	0.9	0.9
Ta	-20~+40°C	-20~+40°C	-20~+40°C	-20~+40°C
Tc	85°C	85°C	85°C	85°C
IP	IP20	IP20	IP20	IP20
Lifespan	40,000hrs	40,000hrs	40,000hrs	40,000hrs
Dimensions	251*30*17mm	251*30*17mm	320*30*19mm	360*32*24mm





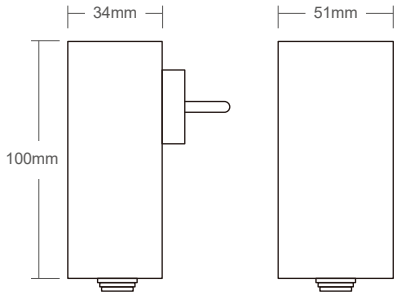




Power Supply | Adaptor

CIVILIGHT

Constant Voltage

Features:
· Plug-and-play, easy to use
· Constant voltage output DC24V
· 50W
· High PF>0.9
· 40000hrs long lifespan

Part No.	■ CAN-050-024V
Wattage	■ 50W
Input	■ AC220-240V
Output	■ DC24V, 2A
PF	■ 0.9
Ta	■ -20~+40°C
Tc	■ 75°C
IP	■ IP20
Lifespan	■ 40,000hrs
Dimensions	■ 100*51*34mm