ECO Strip | SMD and COB Series

LuxeLED®

R2R | Light Angle 120° | CRI White Ra >85 | Voltage 24V DC | Indoor Use Only | Flexible Output DIMMABLE

4.8W/m
9.6W/m
14.4W/m

SDCM <3 | Ingress Protection IP20 | CE | | Environment Friendly RoHS

100mm — 5000mm — 8mm — 4.8W/m
50mm — 5000mm — 8mm — 9.6W/m
50mm — 5000mm — 10mm — 14.4W/m

8mm / 10mm — 1.6mm
5 Meters

MCW Light Engine | R2R | Voltage 24V DC | Light Angle 180° | Ingress Protection IP20 CRI White | Indoor Use Only | Flexible Output DIMMABLE

7.2W/m 320LEDs/m
9.6W/m 480LEDs/m

SDCM <3 | Ingress Protection IP20 | CE | | Environment Friendly RoHS

50mm +24VDC — 5000mm — 8mm

8mm — 1.6mm
5 Meters

Key Information

Shape	Linear
Mounting	3M tape
Engine Orientation	Flexible
Power(W/m)	4.8W/m | 9.6W/m | 14.4W/m (SMD) 7.2W/m | 9.6W/m (COB)
Length/roll	5m/roll

Lumen Output		
	520LM/w(4000K) - 4.8W/m 1040Lm/w(4000K) - 9.6W/m 1450LM/w(4000K) - 14.4W/m	SMD
	835LM/w(4000K) - 7.2W/m 1075LM/w(4000K) - 9.6W/m	COB

CCT(K)	2700K | 3000K | 4000K | 6000K
CRI	≥85
SCDM	≤3
Beam Angle	120° (SMD) 180° (COB)
Lifespan L80 at 25°C	50000 hours L70(B30)

Physical

Copper foil	3oz(SMD) & 2oz(COB)

Number of LEDs/m		
	60LEDs - 4.8W/m 120LEDs - 9.6W/m 120LEDs - 14.4W/m	SMD
	320LEDs - 7.2W/m 480LEDs - 9.6W/m	COB

Cutting Unit		
	100mm - 4.8W/m 50mm - 9.6W/m 50mm - 14.4W/m	SMD
	50mm - 7.2W/m 50mm - 9.6W/m	COB

Min. Bend Diameter	Φ60mm

Environmental

Installation Environment	Indoor
Ambient Temperature	-40°C to 40°C
IP Rating	IP20(Standard) | IP65(Optional)

Electrical

Input Voltage	24VDC
Standard	On/off
Dimming Options	DALI2 | 1-10V

Wiring Diagram:

- Single - end Feed

≤5m(refer below notes) | ≤ 5m

G Power Supply
L Constant Voltage
N DC 24V
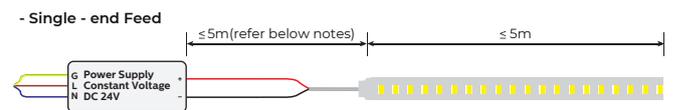
Notes:
a) Maximum length of LED Strip ---- ≤5meters.
b) Maximum length of cable from Driver plus Controller(if applicable) to LED Strip ---- ≤5meters.
c) Preferably use 18AWG(0.81mm²) 2 core cable for 5m span between Driver and LED Strip.
   In case of less than 2m span between Driver and LED Strip, please use 20AWG(0.52mm²) 2 core cable to minimize voltage drop. Use appropriate size cable with correct polarity between Driver and Controller (if applicable) to minimize voltage drop.
   A two way connector(installer scope) may be required to connect incoming 18AWG(0.81mm²) wires with 20AWG(0.52mm²) wires required at LED Strip end.
d) Ensure firm and durable connections to respective LED Strip terminals.
e) Please ensure correct polarity connections between Driver and Controller(if applicable). Also ensure correct wiring connections(per color coding) between Driver/Controller(if applicable) and LED Strip.

LuxeLED®
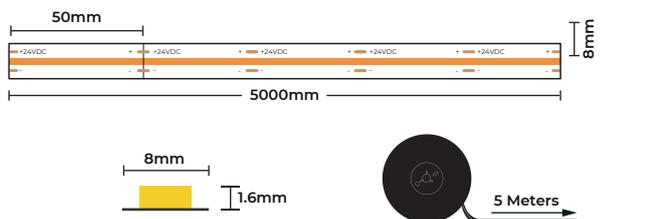
Ordering Guide:

Product	CCT	Wattage(W/m)	Voltage(DC)	Width(mm)	Ingress Protection	Driver
ECS = ECO Strip SMD2835 Series	2.7K=2700K 3K=3000K 3.5K=3500K 4K=4000K 6K=6000K	4.8W / 9.6W / 14.4W / 7.2W / 9.6W	24VDC	8mm / 10mm / 8mm	IP20 IP65	S=On/Off D=DALI2 V=1-10V C=CASAMBI
ECC= ECO Strip COB Series						

* Please choose wattages from same color box matching respective product.

Product Code and Parameters (4.8W/m - 24VDC - 8mm wide - 60 LEDs/meter):

ECO Strip SMD2835 Series

Product Code	Wattage(W/m)	Voltage(VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Min. Cutting(mm)	Reel Length(mm)
ECS-3K-4.8W-24VDC-8mm-IP20-S	4.8W	24VDC	3000K	> 85	500	100	5000
ECS-4K-4.8W-24VDC-8mm-IP20-S	4.8W	24VDC	4000K	> 85	520	100	5000

Product Code and Parameters (9.6W/m - 24VDC - 8mm wide - 120 LEDs/meter):

ECO Strip SMD2835 Series

Product Code	Wattage(W/m)	Voltage(VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Min. Cutting(mm)	Reel Length(mm)
ECS-3K-9.6W-24VDC-8mm-IP20-S	9.6W	24VDC	3000K	> 85	1000	50	5000
ECS-4K-9.6W-24VDC-8mm-IP20-S	9.6W	24VDC	4000K	> 85	1040	50	5000

Product Code and Parameters (14.4W/m - 24VDC - 10mm wide - 120LEDs/meter):

ECO Strip SMD2835 Series

Product Code	Wattage(W/m)	Voltage(VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Min. Cutting(mm)	Reel Length(mm)
ECS-3K-14.4W-24VDC-10mm-IP20-S	14.4W	24VDC	3000K	> 85	1410	50	5000
ECS-4K-14.4W-24VDC-10mm-IP20-S	14.4W	24VDC	4000K	> 85	1450	50	5000

Product Code and Parameters (7.2W/m - 24VDC - 8mm wide - 320LEDs/meter):

ECO Strip COB Series

Product Code	Wattage(W/m)	Voltage(VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Min. Cutting(mm)	Reel Length(mm)
ECC-3K-7.2W-24VDC-8mm-IP20-S	7.2W	24VDC	3000K	> 85	810	50	5000
ECC-4K-7.2W-24VDC-8mm-IP20-S	7.2W	24VDC	4000K	> 85	835	50	5000

Product Code and Parameters (9.6W/m - 24VDC - 8mm wide - 480LEDs/meter):

ECO Strip COB Series

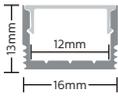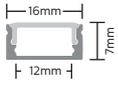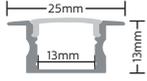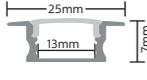| Product Code	Wattage(W/m)	Voltage(VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Min. Cutting(mm)	Reel Length(mm)
ECC-3K-9.6W-24VDC-8mm-IP20-S	9.6W	24VDC	3000K	> 85	1040	50	5000
ECC-3K-9.6W-24VDC-8mm-IP20-S	9.6W	24VDC	4000K	> 85	1075	50	5000

Application Images:

Accessories:

Possibility to use Aluminium profile with Polycarbonate frosted diffuser as mounting platform could be explored in consultation with our sales representative. Holistic application analysis before selection is required.
Details of mounting profiles as accessories options are stated below:

Mounting Profile and Diffuser Options:
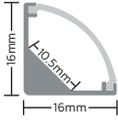
Product	Picture	Profile Material	Diffuser Material	Dimension and Maximum Lengths		Accessories	
D8 Surface Mounting		Anodized Aluminium	PC Frosted	16mm / 10.5mm / 16mm	Profile and Diffuser Length = 1000mm/2500mm	End Caps	Mounting Brackets
S16A Surface or Recessed Mounting		Anodized Aluminium	PC Frosted	13mm / 12mm / 16mm	Profile and Diffuser Length = 1000mm/2500mm	End Caps	Mounting Brackets
S16B Surface or Recessed Mounting		Anodized Aluminium	PC Frosted	16mm / 7mm / 12mm	Profile and Diffuser Length = 1000mm/2500mm	End Caps	Mounting Brackets
R25A Recessed Mounting		Anodized Aluminium	PC Frosted	25mm / 13mm / 13mm	Profile and Diffuser Length = 1000mm/2500mm	End Caps	
R25B Recessed Mounting		Anodized Aluminium	PC Frosted	25mm / 13mm / 7mm	Profile and Diffuser Length = 1000mm/2500mm	End Caps	