

Profiled

G – SERIES

GENERAL LINEAR LIGHTING SOLUTIONS

INDOOR/OUTDOOR

230V AC

You inspire.
We innovate.

Who We Are

Profiled Group is a pioneering and world-leading provider of driverless flexible linear lighting solutions. The Group was founded in Spain in 1984 and now operates globally with an R&D Center in Hong Kong and production facilities in Shenzhen. Our high-performance, direct line-voltage solutions are engineered to perform in very different environments: from high-visual-comfort indoor commercial applications, to the most demanding environments such as construction sites and tunnels.

Blending European design with Asian manufacturing excellence, we engineer lighting systems that are innovative, robust, and future-ready.

Vision

To Illuminate The Future.

We envision a world where lighting is intelligent, flexible, and sustainable—adapting to people, spaces, and the environment in real time.

Our Philosophy

Your toughest challenges drive our creativity. When standard lighting solutions fail, we step in with tailor-made technology that pushes boundaries. Innovation is not our goal—it's our habit.

Mission

To revolutionize linear lighting through our proprietary driverless, solderless, and durable solutions—delivering safety, simplicity, and sustainability to different industries.

Guided by our commitment to excellence, we partner with clients through strategic advisory and superior product ecosystems, delivering high-end lighting innovations that fundamentally elevate human-environment interactions.



Our Technology

We Create What
Others Can't Imagine



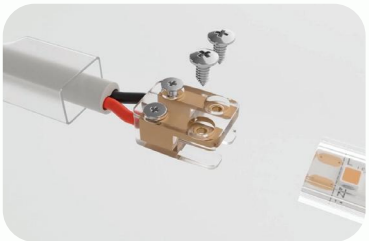
DRIVERLESS SIMPLICITY

Direct **LINE-VOLTAGE** connectivity eliminates the need for external power supplies – quicker, safer, and simpler installation.
No drivers, no hassles.

INFINITE LENGTH

Ultra long-run LED flexible linear lighting solutions **up to 500m** with only one power input.





Solderless

Our in-house solderless connectors ensure a **SMOOTHER, QUICKER and SAFER INSTALLATION** without the common issues caused by poor soldering.



Encapsulations

We adapt our materials according to the environment they are used in, **PRIORITIZING THE SAFETY AND HEALTH** of **users**.



Customizability

We're not selling products—we are here to listen to your needs and offer tailored **SOLUTIONS**.

Driverless.
Endless.
Magical.

GENERAL LIGHTING SOLUTIONS

INDOOR/OUTDOOR

Profiled



APPLICATIONS

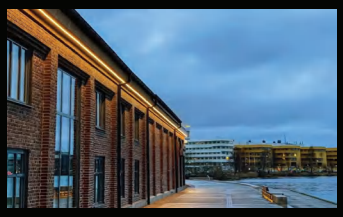
- Architectural
- Residential
- Commercial
- Public Infrastructure
- Warehousing
- Signage

G-Series line-voltage general lighting solutions deliver high-efficiency, low flicker illumination for up to 100 meters. Perfect for public areas, commercial spaces, architectural lighting, and hospitality, these solutions provide bright, reliable light with minimal maintenance. Designed for energy efficiency and durability, our products ensure optimal performance, offering long-lasting value and reducing operational costs while enhancing the visual appeal of any space.

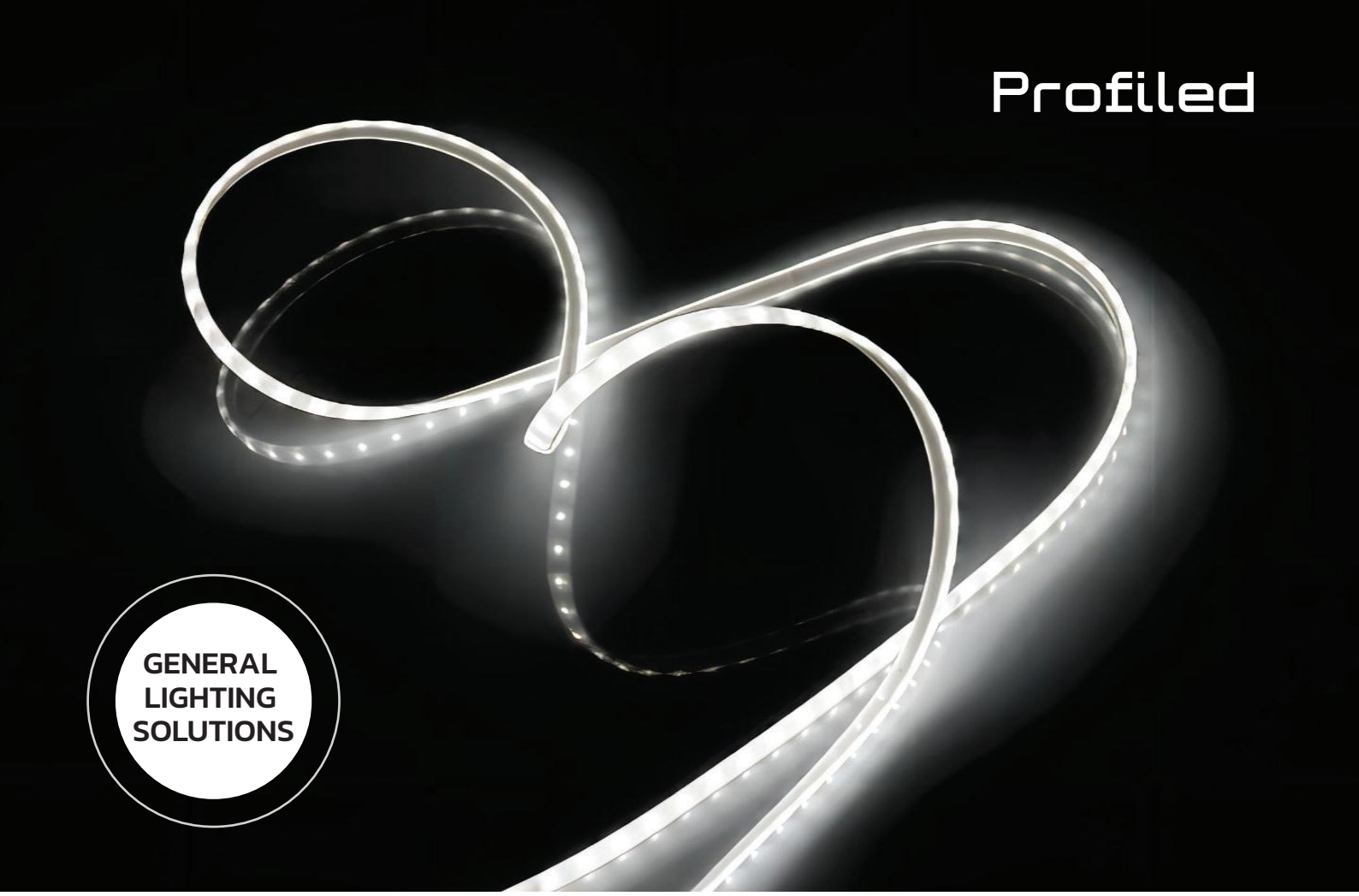






Profiled



GENERAL LIGHTING SOLUTIONS



>100lm/W | 100m Linkable | Dimmable | 10cm Cutting length

IK08/10 | IP65/67 | UV & Chemical Resistant | Low Flicker

Driverless Solution | EMC TESTED | Patented

GENERAL SERIES – G70/G112/G60/G120/G140

Single color linear lighting solutions up to 100m specially designed to provide efficient and continuous light without any external power supply. An ideal solution due to its compact size, short cutting length and solder-less connections.

CE LVD EMC CB ErP | RoHS

GENERAL LIGHTING SOLUTIONS
Indoor/Outdoor

Ref. GENERAL SERIES – G70/G112/G60/G120/G140

IP65 IP67 | IK08 IK10 | 220V~240V | LVD | EMC | CB | ErP | RoHS

OPTIONS

	Power	LEDs/m	Size	Max. Length	LED Type	Efficiency(lm/W)	Lifetime (L80, B10)	Article No.
NO IC	1-20W	70/112	10X4mm	50m	2835	>90	25,000h	G70/G112
IC	1-20W	60/120/140	12X4mm	100m	2835	>100	30,000h	G60/G120/G140

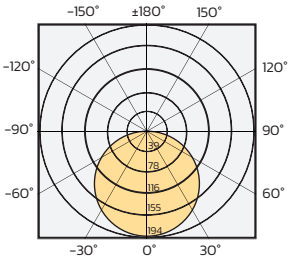
*Configuration options available upon request.

SPECIFICATIONS

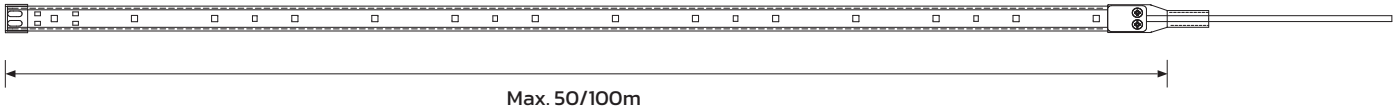
Article No.	G70	G112	G60	G120	G140
LEDs/m	70	112	60	120	140
Min. cutting length	500mm	125mm	200mm	100mm	100mm
Luminous Efficacy (Lumen/W)	>90	>90	>100	>100	>100
CRI	>80	>80	80-95	80-95	80-95
IP rating	65	65	65/67	65/67	65/67
Maximum length	50m	50m	100m	100m	100m
LED type	2835				
Voltage	220V~240V				
Power (W/m)	1-20				
Power factor	>0,95				
Beam angle	120°				
CCT	2100K-9000K				
SDCM	≤ 5-step				
IK rating	08/10				
Ambient temp	-20°C ~ + 45 °C				
Material	High transparent silicone				
Min. bend diameter	d≥ 50mm				
Dimming	Trailing-edge				

LIGHT DISTRIBUTION

G120



WIRING GUIDE



Max. 50/100m

INSTALLATION METHODS



Profile

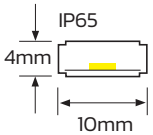


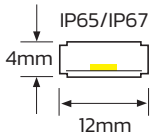
Clip & Screw



Cable ties

DIMENSIONS





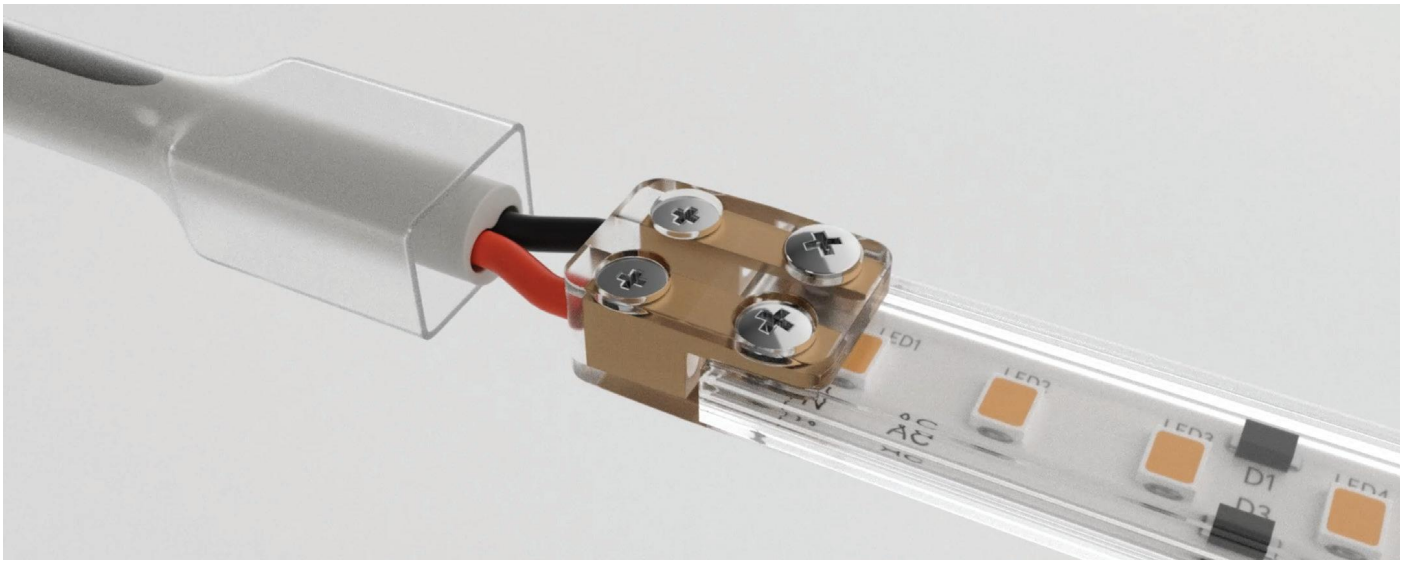
PACKING INFO (G70/G112)

Reel	Size(mm)	Weight(kg)
5m	Ø200 x H12	0,4
10m	Ø254 x H12	0,8
25m	Ø220 x H45	1,5
50m	Ø220 x H105	3,0

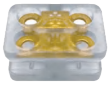
PACKING INFO (G60/G120/G140)

Reel	Size(mm)	Weight(kg): IP65/67
5m	Ø200 x H12	0,4/0,5
10m	Ø254 x H12	0,8/1,0
25m	Ø220 x H45	1,5/2,0
50m	Ø220 x H105	3,0/3,9
100m	Ø220 x H215	6,5/7,5

Ref. ACCESSORIES - G60/G120/G140



Strip to Strip Connectors



Bridge Connector
039014



T Connector
039015



Cross Connector
039016



90° Vertical Connector
039182



90° Flat Connector
039164



Screw
039049



Strip Cap
039161



End Cap
039059

Cable to Strip Connectors



Terminal Block
039075



Screw
039116



Screw
039091



End Cap
039059



Power Cap
039100

Bridge Connector Kit
Ref. 039199
(1 pc) Bridge Connector
(2 pcs) Power Cap
(4 pcs) Screw

T Connector Kit
Ref. 039230
(1 pc) T Connector
(3 pcs) Power Cap
(6 pcs) Screw

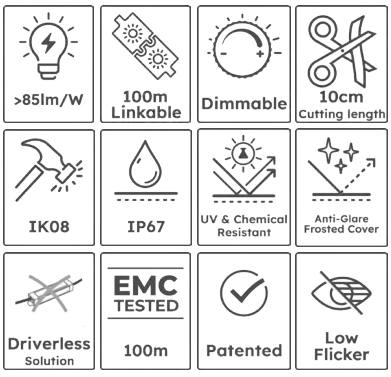
Cross Connector Kit
Ref. 039231
(1 pc) Cross Connector
(4 pcs) Power Cap
(8 pcs) Screw

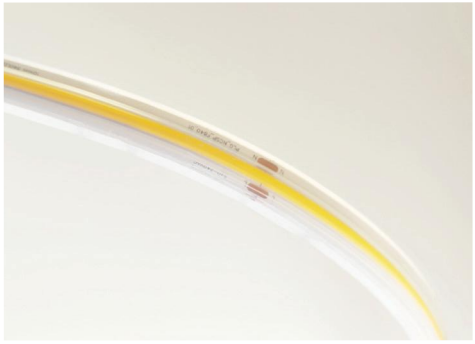
90° Vertical Connector Kit
Ref. 039200
(1 pc) 90° Vertical Connector
(2 pcs) Power Cap
(4 pcs) Screw

90° Flat Connector Kit
Ref. 039201
(1 pc) 90° Flat Connector
(2 pcs) Power Cap
(4 pcs) Screw

Terminal Block Kit
Ref. 039075
(1 pc) Terminal Block Kit
(1 pc) Power Cap
(1 pc) End Cap
(4 pcs) Screw







GENERAL SERIES – COB 840

Our COB Back light solution is a perfect combination of our driverless, and the emerging COB (chip on board) technologies. High efficient long run solutions delivering seamless and dotless illumination.

CE LVD EMC CB ErP | RoHS

GENERAL LIGHTING SOLUTIONS
Indoor/Outdoor

Ref. GENERAL SERIES – COB 840

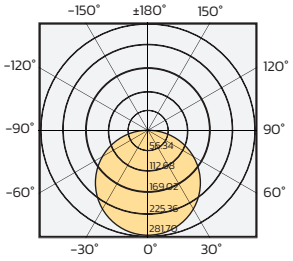
IP67 IK08 LVD EMC CB ErP RoHS

SPECIFICATIONS

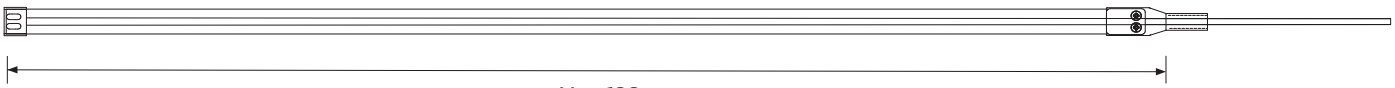
Article No.	COB 840
LEDs/m	840
Power (W/m)	12
Luminous Efficacy (Lumen/W)	85
Luminous Flux per Metre (Lumen/m)	1020
Voltage	220V~240V
Power factor	>0,95
Beam angle	110° (Horizontal) / 130° (Vertical)
CRI	>90
CCT	2700K-6500K
SDCM	≤ 3-step
Lifetime (L80, B10)	30,000h
IP rating	67
IK rating	08
Ambient temp	-20°C – + 40°C
Material	High transparent silicone
Double-sided adhesive	3M LSE
Maximum length	100m
Min. cutting length	100mm
Min. bend diameter	d≥ 50mm
Dimming	Trailing-edge

LIGHT DISTRIBUTION

COB 840



WIRING GUIDE



INSTALLATION METHODS

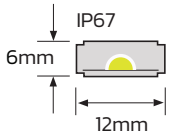


Profile



Clip & Screw

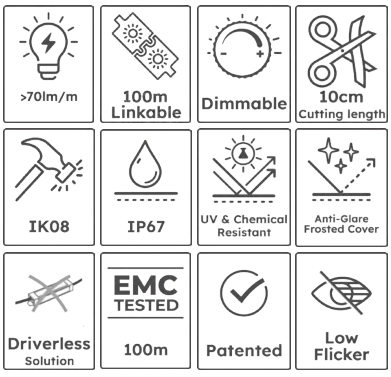
DIMENSIONS



PACKING INFO (COB 840)

Reel	Size(mm)	Weight(kg)
5m	Ø200 × H12	0,6
10m	Ø254 × H12	1,2
25m	Ø220 × H105	3
50m	Ø220 × H215	6







GENERAL SERIES – COB 840 NEON

Anti-glare neon effect COB back light. Short minimum cutting length and can be used directly without diffuser delivering very consistent and high CRI light. Up to 100m and driverless.

CE LVD EMC CB ErP | RoHS

GENERAL LIGHTING SOLUTIONS
Indoor/Outdoor

Ref. GENERAL SERIES – COB 840 NEON

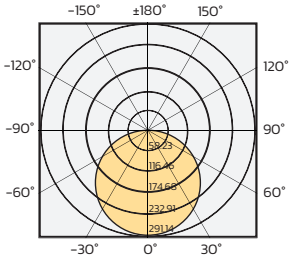
IP67 IK08 220V~240V LVD EMC CB ErP RoHS

SPECIFICATIONS

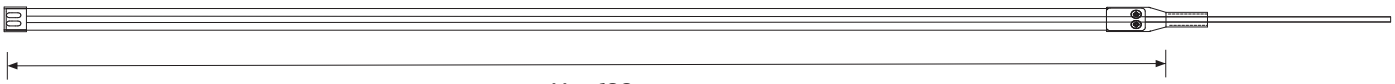
Article No.	COB 840 NEON
LEDs/m	840
Power (W/m)	12
Luminous Efficacy (Lumen/W)	70
Luminous Flux per Metre (Lumen/m)	840
Voltage	220V~240V
Power factor	>0,95
Beam angle	100° (Horizontal) /75° (Vertical)
CRI	>90
CCT	2700K-6500K
SDCM	≤ 3-step
Lifetime (L80, B10)	30,000h
IP rating	67
IK rating	08
Ambient temp	-20°C – + 40°C
Material	Frosted silicone
Double-sided adhesive	3M LSE
Maximum length	100m
Min. cutting length	100mm
Min. bend diameter	d≥ 50mm
Dimming	Trailing-edge

LIGHT DISTRIBUTION

COB 840 NEON



WIRING GUIDE



INSTALLATION METHODS

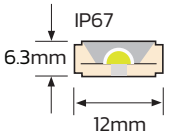


Profile



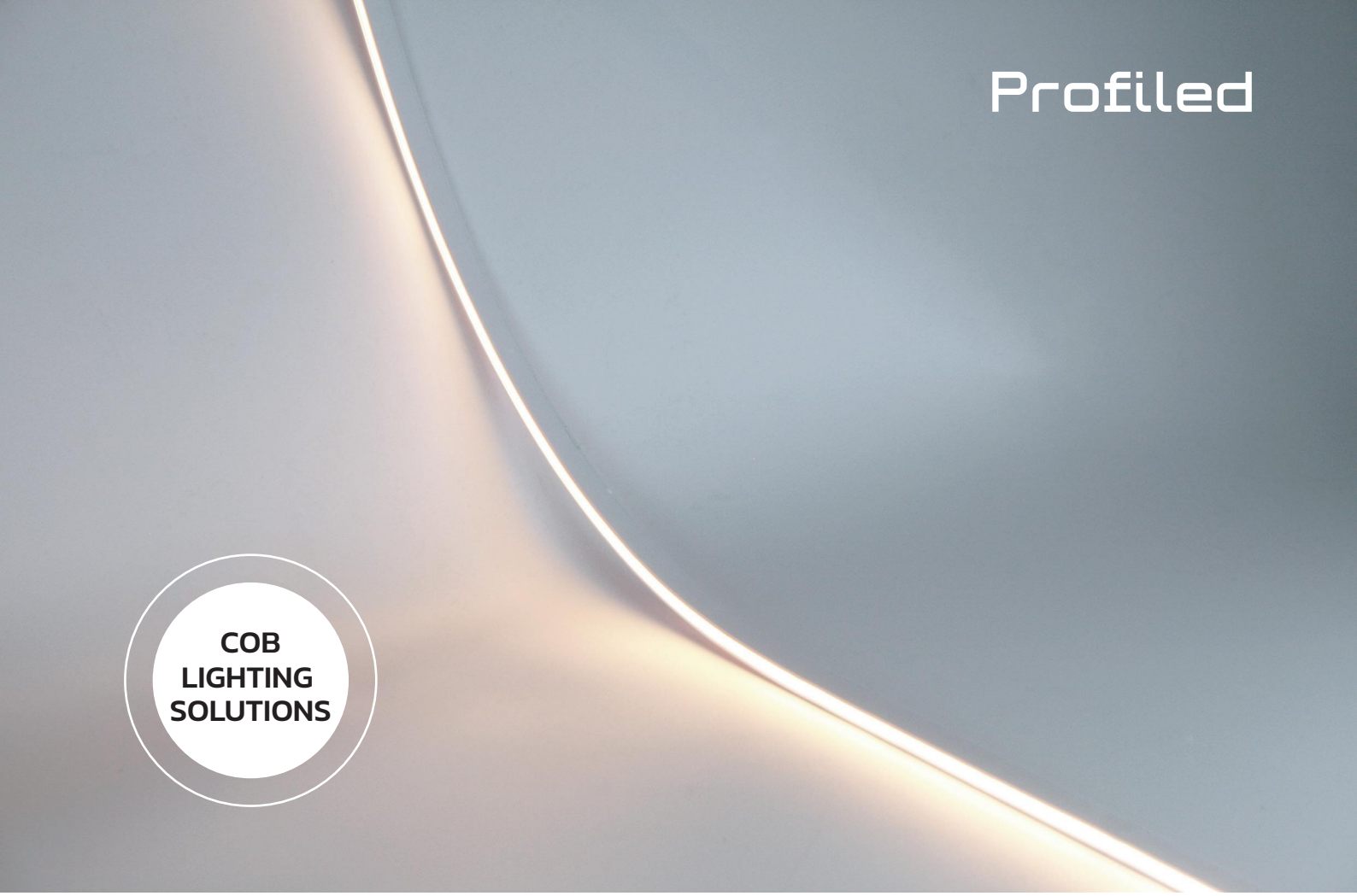
Clip & Screw

DIMENSIONS

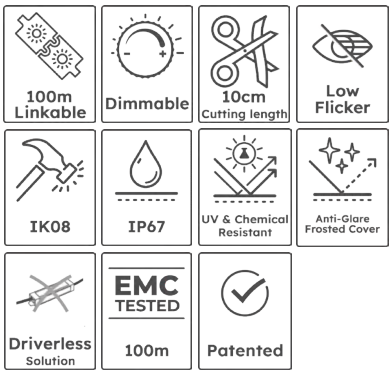


PACKING INFO (COB 840 NEON)

Reel	Size(mm)	Weight(kg)
5m	Ø200 × H12	0,6
10m	Ø254 × H12	1,2
25m	Ø220 × H105	3
50m	Ø220 × H215	6



COB LIGHTING SOLUTIONS





GENERAL SERIES – COB 840 SIDE VIEW

Our COB side view is specially developed to fit in narrow fixtures. State of the art driverless COB technology for lighting professionals looking for the highest efficiency and performance.

CE LVD EMC CB ErP / RoHS

GENERAL LIGHTING SOLUTIONS
Indoor/Outdoor

Ref. GENERAL SERIES – COB SIDE VIEW

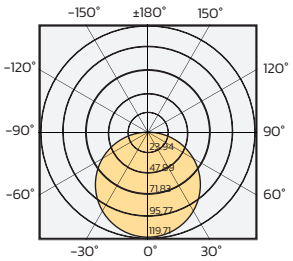
IP67 IK08 220V~240V LVD EMC CB ErP RoHS

SPECIFICATIONS

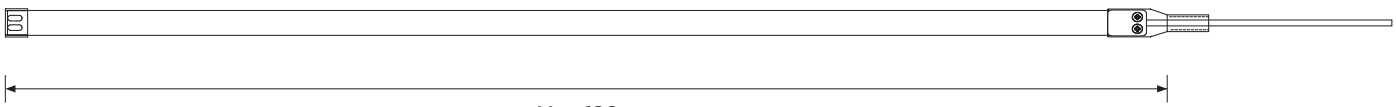
Article No.	COB 840 SIDE VIEW
LEDs/m	840
Power (W/m)	12
Luminous Efficacy (Lumen/W)	30
Luminous Flux per Metre (Lumen/m)	360
Voltage	220V~240V
Power factor	>0,95
Beam angle	110°
CRI	>90
CCT	2700K-6500K
SDCM	≤ 3-step
Lifetime (L80, B10)	30,000h
IP rating	67
IK rating	08
Ambient temp	-20°C - + 40°C
Material	High transparent silicone
Double-sided adhesive	3M LSE
Maximum length	100m
Min. cutting length	100mm
Min. bend diameter	d≥ 50mm
Dimming	Trailing-edge

LIGHT DISTRIBUTION

COB 840 SIDE VIEW



WIRING GUIDE



INSTALLATION METHODS

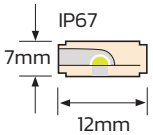


Profile



Clip & Screw

DIMENSIONS



PACKING INFO (COB SIDE VIEW)

Reel	Size(mm)	Weight(kg)
5m	Ø200 × H12	0,6
10m	Ø254 × H12	1,2
25m	Ø220 × H105	3
50m	Ø220 × H215	6

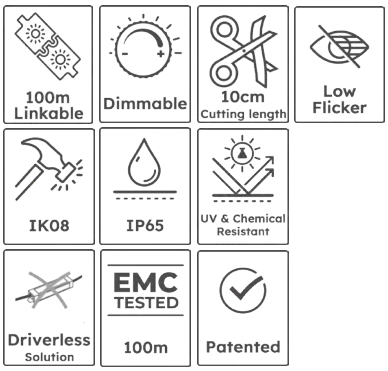
Profiled





GENERAL SERIES - CCTK120

Driverless technology delivering adjustable CCTK from 2700K to 6500K and up to 100m with a single power input. Developed to create different moods and atmospheres with all the advantages of our line voltage solutions.



CE LVD EMC CB ErP | RoHS

GENERAL LINEAR LIGHTING SOLUTIONS

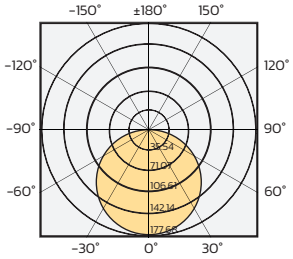
Indoor/Outdoor

Ref. GENERAL SERIES – CCTK120

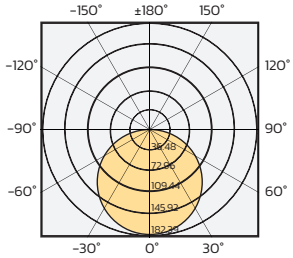
IP65 IK08 220V~240V LVD EMC CB ErP RoHS

LIGHT DISTRIBUTION

CCTK120 2700K



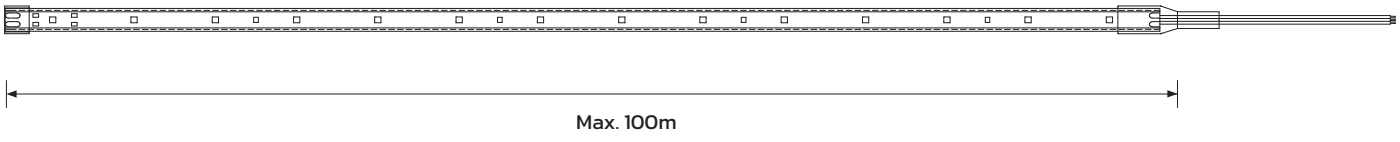
CCTK120 6500K



SPECIFICATIONS

Article No.	CCTK120
LED type	2835
LEDs/m	120
Power (W/m)	2×6W
Luminous Efficacy (Lumen/W)	>100
Voltage	220V~240V
Power factor	>0,95
Beam angle	120°
CRI	>90
CCT	Tunable White
SDCM	≤ 5-step
Lifetime (L80, B10)	30,000h
IP rating	65
IK rating	08
Ambient temp	-20°C - + 45°C
Material	High transparent silicone
Double-sided adhesive	3M LSE
Maximum length	100m
Min. cutting length	100mm
Min. bend diameter	d≥ 50mm
Dimming	DMX512

WIRING GUIDE



INSTALLATION METHODS



Profile

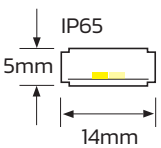


Clip & Screw



Cable ties

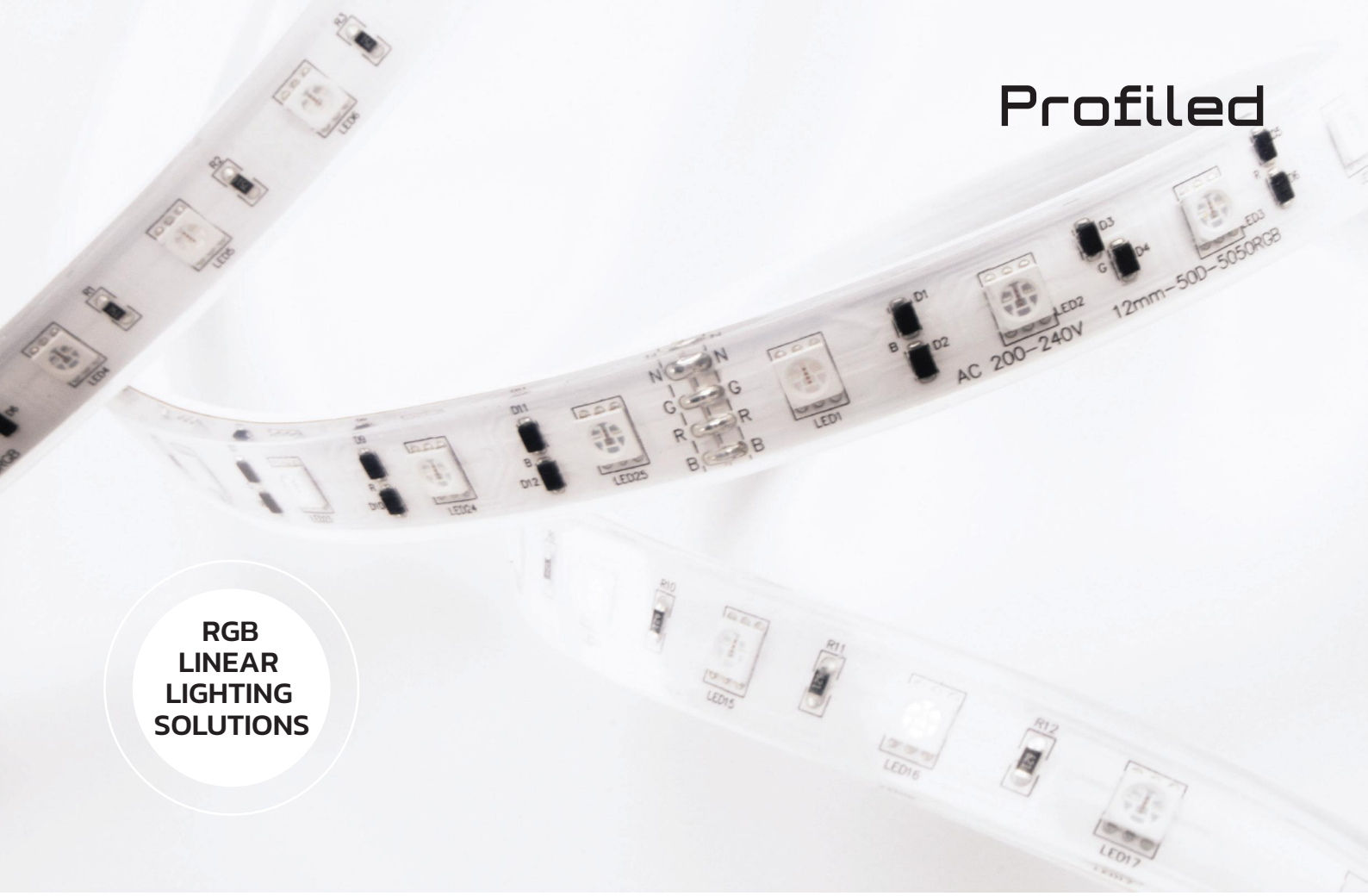
DIMENSIONS



PACKING INFO (CCTK120)

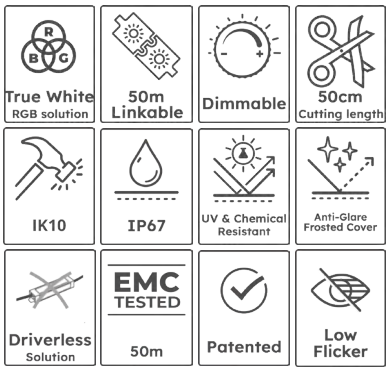
Reel	Size(mm)	Weight(kg)
5m	Ø220 × H45	0,65
10m	Ø220 × H45	1,3
25m	Ø220 × H105	3,3
50m	Ø220 × H215	6,6

Profiled



RGB LINEAR LIGHTING SOLUTIONS





GENERAL SERIES - RGB50/RGB140

Our cutting-edge True White RGB Series redefines lighting excellence by seamlessly integrating versatile functionality with sophisticated design. Engineered with proprietary True White technology, it delivers up to 50m of continuous light ideal for changing the appearance and mood of spaces.

CE LVD EMC CB ErP / RoHS

GENERAL LINEAR LIGHTING SOLUTIONS

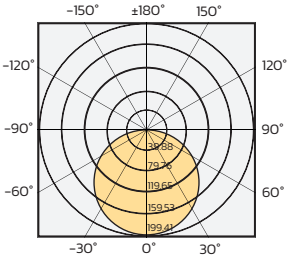
Indoor/Outdoor

Ref. GENERAL SERIES – RGB50/RGB140

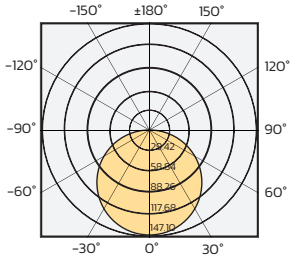
IP67 IK10 220V~240V LVD EMC CB ErP RoHS

LIGHT DISTRIBUTION

RGB50



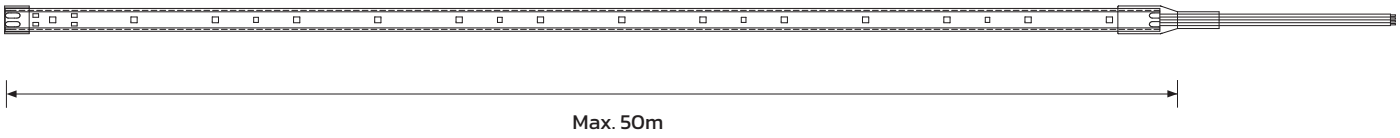
RGB140



SPECIFICATIONS

Article No.	RGB50	RGB140
LED type	5050	2835
LEDs/m	50	140
Power (W/m)	3x8W	3x6W
Luminous Efficacy (Lumen/W)	>50	
Voltage	220V~240V	
Power factor	>0,95	
Beam angle	120°	
CRI	>90	
CCT	Default: 5500K/Customisable	
SDCM	≤ 5-step	
Lifetime L80 B10	30,000h	
IP rating	67	
IK rating	10	
Ambient temp	-20°C – + 45 °C	
Material	High transparent silicone	
Double-sided adhesive	3M LSE	
Maximum length	50m	
Min. cutting length	500mm	
Min. bend diameter	d≥ 50mm	
Dimming	DMX512	

WIRING GUIDE



INSTALLATION METHODS



Profile

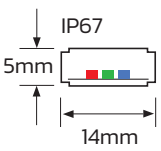


Clip & Screw



Cable ties

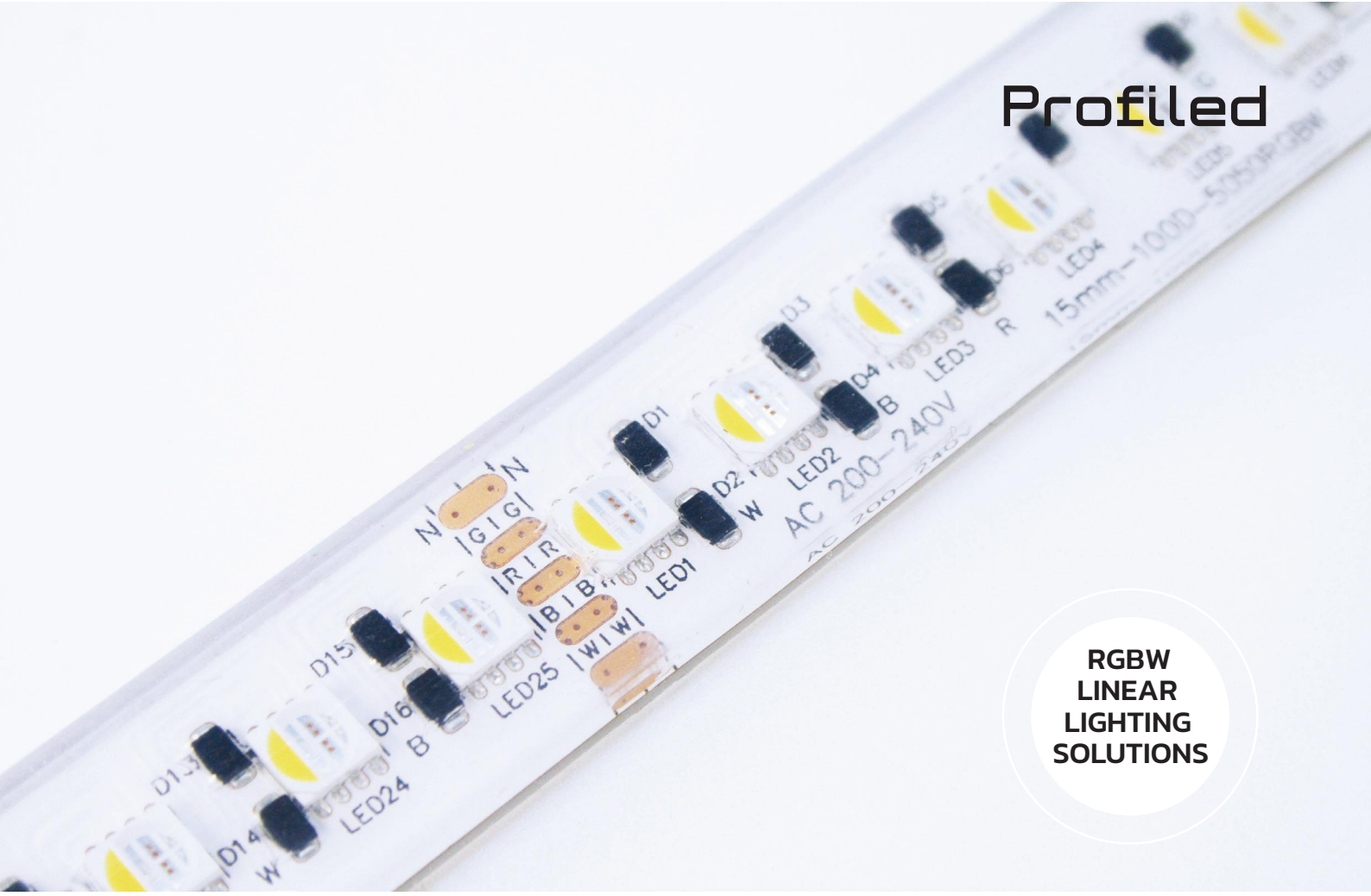
DIMENSIONS

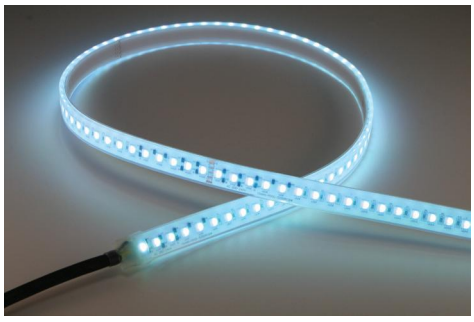


PACKING INFO (RGB50/RGB140)

Reel	Size(mm)	Weight(kg)
25m	Ø220 x H105	3,5
50m	Ø220 x H215	7

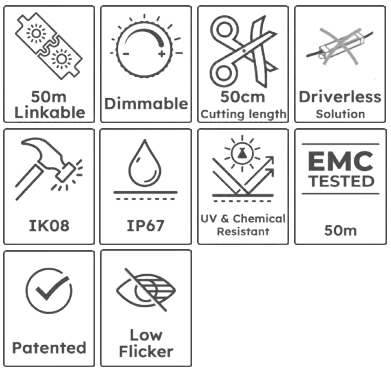
Profiled





GENERAL SERIES – RGBW52/RGBW78/RGBW104

RGBW delivers all the versatility of our long run driverless RGW solution but also includes a white channel in 2700K perfect to create indoor cozy and warm atmospheres.



CE LVD EMC CB ErP | RoHS

GENERAL LINEAR LIGHTING SOLUTIONS

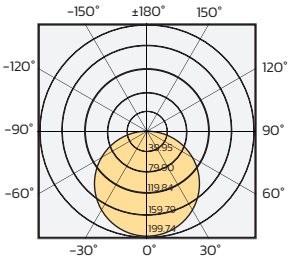
Indoor/Outdoor

Ref. GENERAL SERIES – RGBW52/RGBW78/RGBW104

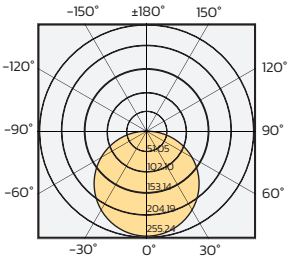
IP67 IK08 LVD EMC CB ErP RoHS

LIGHT DISTRIBUTION

RGBW52, 2700K, White



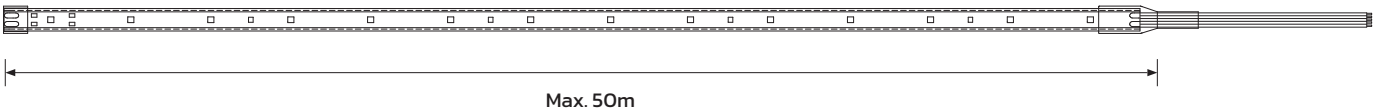
RGBW104, 2700K, White



SPECIFICATIONS

Article No.	RGBW52	RGBW78	RGBW104
LEDs/m	52	78	104
Power (W/m)	3×2W-1×6W	3×2.5W-1×7.5W	3×3W-1×9W
Min. cutting length	250mm	166.7mm	125mm
LED type		5050	
Luminous Efficacy (Lumen/W)		>50	
Voltage		220V~240V	
Power factor		>0,95	
Beam angle		120°	
CRI		>80	
CCT		3000K/Customisable	
SDCM		≤ 5-step	
Lifetime L80 B10		30,000h	
IP rating		67	
IK rating		08	
Ambient temp		-20°C – + 45 °C	
Material		High transparent silicone	
Double-sided adhesive		3M LSE	
Maximum length		50m	
Min. bend diameter		d≥ 50mm	
Dimming		DMX512	

WIRING GUIDE



Max. 50m

INSTALLATION METHODS



Profile

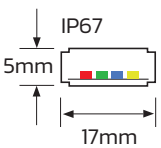


Clip & Screw



Cable ties

DIMENSIONS



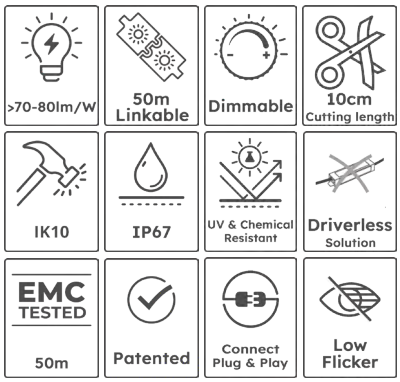
PACKING INFO (RGBW52/RGBW78/RGBW104)

Reel	Size(mm)	Weight(kg)
5m	Ø220 × H45	0.8
10m	Ø220 × H45	1.4
25m	Ø220 × H105	3.2
50m	Ø220 × H215	6.4

Profiled

NEON LINEAR LIGHTING SOLUTIONS





GENERAL SERIES – N12/N16

Line-voltage neon effect linear lighting solutions. Dotless, high efficient and continuous light up to 50m with short cutting distance and robust silicone encapsulation.

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GENERAL LINEAR LIGHTING SOLUTIONS

Indoor/Outdoor

Ref. GENERAL SERIES - N12/N16

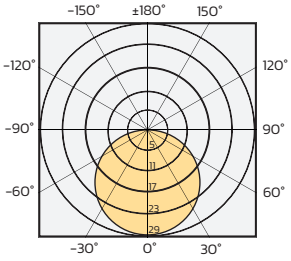
IP67 IK10 220V~240V LVD EMC CB ErP RoHS

SPECIFICATIONS

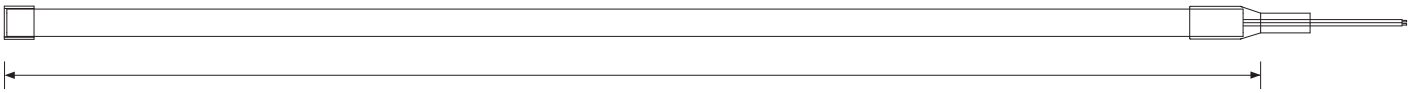
Article No.	N12	N16
Size	12x12mm	16x16mm
Power (W/m)	>70	>80
LED type	2835	
LEDs/m	140	
Luminous Efficacy (Lumen/W)	17	
Voltage	220V~240V	
Power factor	>0,95	
Beam angle	120°	
CRI	>80	
CCT	2100K-9000K	
Color	Yellow/Orange/Red/Pink/Purple/Blue/Green	
SDCM	≤ 5-step	
Lifetime L80 B10	30,000h	
IP rating	67	
IK rating	10	
Ambient temp	-20°C - + 45 °C	
Material	Translucent silicone	
Double-sided adhesive	3M LSE	
Maximum length	50m	
Min. cutting length	100mm	
Min. bend diameter	d≥ 50mm	
Dimming	Trailing-edge	

LIGHT DISTRIBUTION

N12/N16



WIRING GUIDE



Max. 50m

INSTALLATION METHODS



Profile

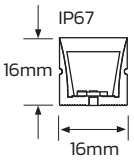


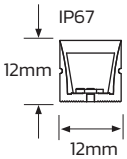
Clip & Screw



Cable ties

DIMENSIONS





PACKING INFO (N16)

Reel	Size(mm)	Weight(kg)
10m	Ø300 x H75	3
25m	Ø300 x H150	6

PACKING INFO (N12)

Reel	Size(mm)	Weight(kg)
25m	Ø300 x H150	4

Profiled



BATTERY BACKUP SYSTEMS



BATTERY BACK-UP

A battery backup increases safety and make sure that when the power loss occurs there will always be enough light to safely exit. The backup system gives 2H/1+1H battery time. The backup system dims down the LED strips to 10% light in emergency mode and can be used with a maximum load of 1700W of LED strips.



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BATTERY BACKUP SYSTEMS
Indoor / Outdoor

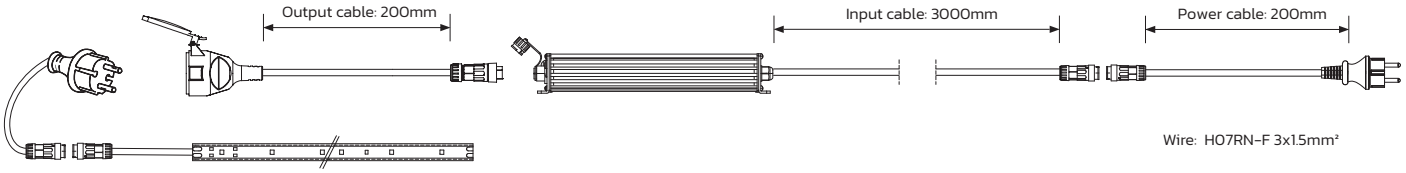
Ref. BATTERY BACK-UP

IP65 IK10 EMC LVD CE RoHS

SPECIFICATIONS

Article No.	039204
Voltage	110V~230V
Emergency mode power output	42W (70-250VDC)
Max. load	1700W
Minimum load	42W
Battery	21,6V 5000mAh lithium battery
Charging time	10H
Battery time	1+1H/2H
IP rating	65
IK rating	10 (For aluminium version)
Ambient temp	-10°C - + 50°C
Input cable	3m H07RN-F with quick connector & Schuko
Output cable	200mm H07RN-F with quick connector
Power cable	200mm H07RN-F with quick connector
Material	Aluminium/Plastic housing

WIRING GUIDE

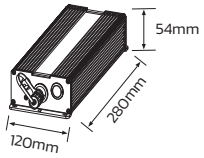


INSTALLATION METHODS

Screw



DIMENSIONS



PACKING INFO

Net weight (kg): 13
Carton gross weight (kg): 14.16
Packing quantity: 6 in 1 box
Carton size (cm): 43x28x38.5

Contact us

PL-CAT-GSeries2026-A

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