

fibreLED

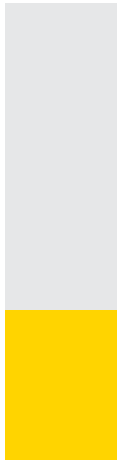
LED Lighting Specialists



LED & ARCHITECTURAL L I G H T I N G

Contents

fibreLED
LED Lighting Specialists



About ELECTRON SA

ELECTRON SA was established in 1978 and since then has been one of the leading manufacturing companies in the commercial lighting field worldwide. The company has been active in the international field for more than twelve years and today exports its products in more than 65 countries worldwide, sealing its dynamic presence by participating in international lighting exhibitions around the world. ELECTRON is located in its 2.800 sq meter building in Athens, Greece.

ELECTRON SA designs, develops and manufactures in Greece Professional Lighting Management Systems, Dimmers, and other Lighting Management Equipment of the latest technology.

ELECTRON is also proud to present the new patent-pending DMR.730 dimmer specially designed for 230V dimmable LEDs that achieves stable output voltage unaffected from mains fluctuations.

In addition, the company presents the new ARLIC and MINI ARLIC architectural lighting control systems for large multi spaces or small installations.

ELECTRON has also launched the Premium Series of wall-mounted multifunctional Controllers, available in different versions to meet individual requirements and specifications: Leading Edge Dimmers, Trailing Edge Dimmers, Relay Switches, HF Fluorescent Controllers, Sine Wave Dimmers, LED Drivers, Dali Drivers.

In addition, ELECTRON designs, develops and manufactures LED power supplies, LED converters, LED boosters, LED controllers, Splitters, Relay packs and other lighting equipment. All products are manufactured with high quality components, such as: MCBs, mains switches, RVD by HAGER, power inlets by MENNEKES-WIELAND-ABL, thyristors and triacs by THOMPSON and so on.

In an effort to cover all requirements ELECTRON SA also designs and develops custom-made Architectural Downlights with Xicato and Bridgelux LEDs with capability of selecting CCT, CRI, lumen output, optics, dimming options, emergency option.

The company also manufactures various solutions of Custom Linear LED fittings (recessed, semi recessed, pendant, trimless, inground) which are built according to the specific project requirements mainly with Nichia or CREE LEDs.

ELECTRON SA also designs a wide range of aluminium profiles for concealed lighting, in ground use, step lighting and so on. All components are from leading suppliers with whom ELECTRON has been collaborating for several years now.

Moreover, ELECTRON SA offers a complete set of architectural luminaires for outdoor and indoor use, specializing in LED technology. The LEDELEC LED range includes indoor and outdoor LED luminaires, decorative LEDs, LED modules, LED lamps, and so on. It offers excellent product quality with high technology and aesthetics that cover even the most demanding applications.

Finally, the Architectural Lighting range includes plaster lighting, indoor and outdoor fixtures.

The Entertainment Lighting and Sound Equipment include Moving Heads, Par Cans, Special Effects, Amplifiers, Conference systems, Loudspeakers 100V, and other equipment.



ELECTRON SA is certified with ISO 9001:2008 for the design, development, production and marketing of professional lighting systems.



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- Errors and omissions excepted.
- Specifications and data may change without prior notice.
- Please note that the data included in this catalogue reflect statistical and not necessarily actual figures. Variations may occur in terms of the specifications of LEDs, such as CCT/ CRI/ W/ Dimensions, mainly due to the different production bunches of LEDs.

100% LED Installations

ELECTRON SA is proud to present 100% lighting installations, that have been realized with our products. Indicatively, we mention the following projects:

"OROLOI" retail store, Athens, Greece
Installation of custom LED Downlights, custom linear LED fittings, LED converters & power supplies



"Heel" retail store, Piraeus, Greece
Installation of custom LED Downlights, LED converters



Worldwide Projects & Awards

The products of ELECTRON SA have already been installed around the world in hotels, lounges, restaurants, retail shops, showrooms, galleries, private residences, cruise ships, multipurpose rooms, estate halls, theaters, bars, shopping malls, theaters etc. Some projects have gained international awards. Indicatively, we mention the following projects:

"M Ultra Lounge", Mykonos, Greece
Winner of the International Hotel & Property Awards in London 2012



"Lindos Blu Hotel & Suites", Lindos Rhodes, Greece
Gold Medal Winner 2012 and 2011 by TUI Thomson,
Winner of the Travellers' choice 2013, 2012 and 2011 by Tripadvisor



Big Projects & Small Installations

We are eager to offer lighting solutions from a simple and small installation to big and complicated projects. Indicatively, we mention the following project:

Alila Hotel, Rhodes, Greece
Installation of more than 250 custom LED Downlights and more than 1800m linear LED lighting that ELECTRON SA has made according to the specific project requirements



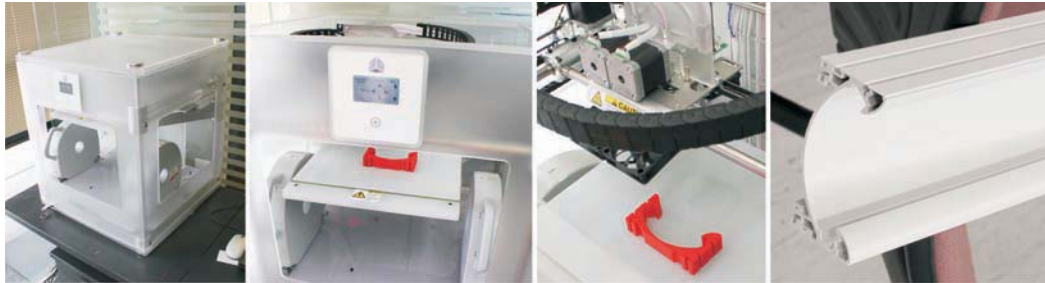
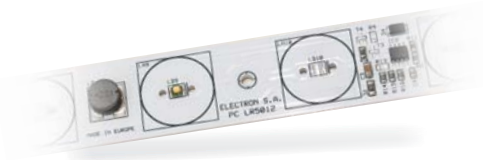
The sales team is eager to suggest the best solutions at the most competitive prices in the market.

The ELECTRON team

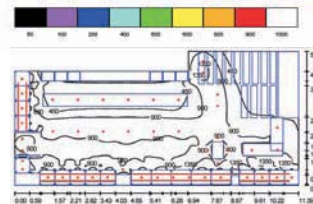
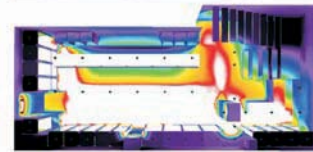
The after sales department of the company is always available to our partners for technical information and back up service.



With our 35 year experience and expertise on LED technology and lighting management systems, we are here to design, develop, and manufacture in order to meet your very custom requirements!



The lighting design team ensures the creation of installations with functionality and good aesthetics.



Contents

[Flexible LEDs >](#)

[LED Light Sources, PCB's & Strips](#)

Prime Series

Supreme Series

Smart Pixel Series

LED Strips RGB

LED Strips Colour Adjustable

LED Strips Monochromatic

Side Emitting

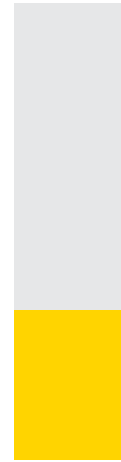
Accessories

Colour LED

Milky LED

Pointer / Rope

Slim LED



Flexible LEDs

LED Strips - Prime Series

LED Strips - Supreme Series

LED Strips - Smart Pixel Series

LED Strips - RGB

LED Strips - Colour Adjustable

LED Strips - Monochromatic

LED Strips - Side Emitting

LED Strips - Accessories

Colori LED RGB

Milky LED

Pointer & Rope LED

Slim LED

Flexible LEDs

LED Strips
Prime Series

96LED/m
PRIME SERIES



LED SOURCE

96 HIGH QUALITY LEDs
3014 BY NICHIA
L70: 50000h

COLOUR RENDERING INDEX

Ra ≥80

LUMEN EFFICACY

71-90 lm/W

COLOUR TEMPERATURE

2700 K
3000 K
4000 K
5600 K

Ra ≥80

TECHNICAL CHARACTERISTICS

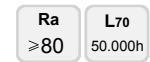
Operating Voltage: 24VDC
Power Consumption: 21W/m
Viewing Angle: 120°
Cutting Point: every 6.25cm
Ingress Protection: IP20

PACKAGING

1x5m/Reel
Total 5meters/Reel

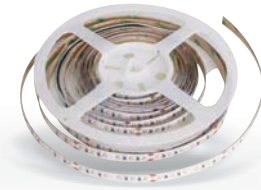
INSTALLATION

IDEAL USE OF SUITABLE
ELECTRON PROFILES



Monochromatic: Management through:

- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.
- Prime Series is the finest series in the LED strips range.
- It is with branded Nichia LEDs with high CRI and high lumen efficacy.
- It should be used only with appropriate heat sink (ELECTRON Aluminium Profiles) for heat absorption & maintenance issues.
- It is offered with adhesive tape on the rear side.

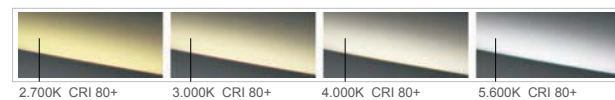
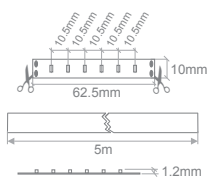


Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature /CRI	Luminus FLUX (LM)	Voltage	Viewing Angle	Cutting Point**
TIV.300	96/m	WARM WHITE 2700K	21W/m	10x1.2mm	5m	2.700K / CRI80+	1550 lm/m	24VDC	120°	62.5mm
TIV.301	96/m	WARM WHITE 3000K	21W/m	10x1.2mm	5m	3.000K / CRI80+	1600 lm/m	24VDC	120°	62.5mm
TIV.302	96/m	NEUTRAL WHITE	21W/m	10x1.2mm	5m	4.000K / CRI80+	1750 lm/m	24VDC	120°	62.5mm
TIV.303	96/m	COOL WHITE	21W/m	10x1.2mm	5m	5.600K / CRI80+	1900 lm/m	24VDC	120°	62.5mm

* Available in other colours upon request.

** Please confirm the connection points on the modules.

To be used with the appropriate heat sinks by ELECTRON SA



Contents

fibreLED
LED Lighting Specialists

Ra ≥80

LED SOURCE

48 HIGH QUALITY LEDs
3014 BY NICHIA
L70: 50000h

COLOUR RENDERING INDEX

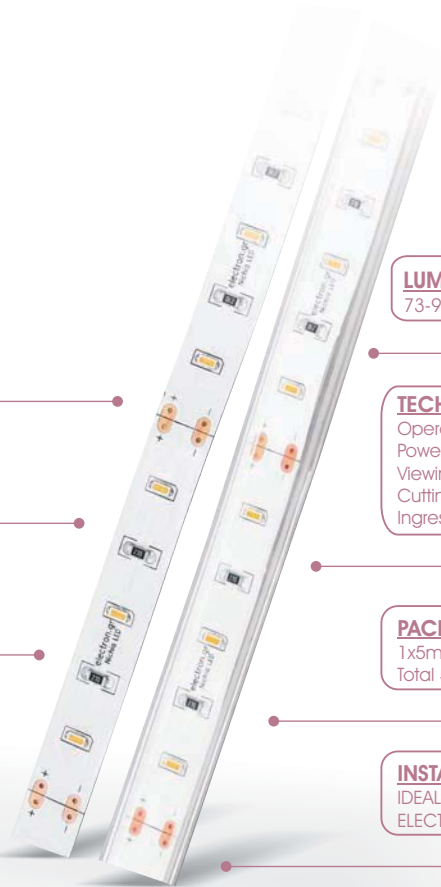
Ra ≥80

ADHESIVE TAPE 3M

Adhesive tape 3M on the back of both IP20 and IP65 LED strip

COLOUR TEMPERATURE

2700 K
3000 K
4000 K
5600 K



LUMEN EFFICACY

73-90 lm/W

TECHNICAL CHARACTERISTICS

Operating Voltage: 12VDC
Power Consumption: 10.5W/m
Viewing Angle: 120°
Cutting Point: every 6.25cm
Ingress Protection: IP20/IP65 versions

PACKAGING

1x5m/Reel
Total 5meters/Reel

INSTALLATION

IDEAL USE OF SUITABLE
ELECTRON PROFILES

Flexible LEDs

LED Strips
Prime Series

**48LED/m
PRIME SERIES**



Ra
≥80

L70
50.000h

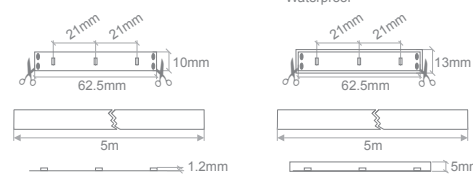
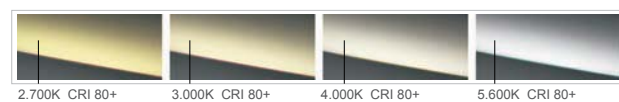
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 - DALI Protocol devices.
- Prime Series is the finest series in the LED strips range.
- It is with branded Nichia LEDs with high CRI and high lumen efficacy.
- It should be used only with appropriate heat sink (ELECTRON Aluminium Profiles) for heat absorption & maintenance issues.
- It is offered with adhesive tape on the rear side for both waterproof and non-waterproof version.



Code	No.LED	Colour	Watt	Dimensions	Reel	Colour Temperature /CRI	Luminus FLUX (LM)	Voltage	Viewing Angle	Cutting Point	IP
MONOCHROMATIC											
TIV.308	48/m	WARM WHITE 2700K	10.5W/m	10x1.2mm	5m	2.700K / CRI80+	775 lm/m	12VDC	120°	62.5mm	IP20
TIV.309	48/m	WARM WHITE 3000K	10.5W/m	10x1.2mm	5m	3.000K / CRI80+	800 lm/m	12VDC	120°	62.5mm	IP20
TIV.310	48/m	NEUTRAL WHITE	10.5W/m	10x1.2mm	5m	4.000K / CRI80+	875 lm/m	12VDC	120°	62.5mm	IP20
TIV.311	48/m	COOL WHITE	10.5W/m	10x1.2mm	5m	5.600K / CRI80+	950 lm/m	12VDC	120°	62.5mm	IP20
MONOCHROMATIC WATERPROOF											
TIV.312	48/m	WARM WHITE 2700K	10.5W/m	13x5mm	5m	2.700K / CRI80+	775 lm/m	12VDC	120°	62.5mm	IP65
TIV.313	48/m	WARM WHITE 3000K	10.5W/m	13x5mm	5m	3.000K / CRI80+	800 lm/m	12VDC	120°	62.5mm	IP65
TIV.314	48/m	NEUTRAL WHITE	10.5W/m	13x5mm	5m	4.000K / CRI80+	875 lm/m	12VDC	120°	62.5mm	IP65
TIV.315	48/m	COOL WHITE	10.5W/m	13x5mm	5m	5.600K / CRI80+	950 lm/m	12VDC	120°	62.5mm	IP65

* Please confirm the connection points on the modules.

To be used with the appropriate heat sinks by ELECTRON SA





Contents



Flexible LEDs

LED Strips
Supreme Series

60LED/m
SUPREME
SERIES



Ra ≥80

LED SOURCE

60 LEDs BY SAMSUNG

COLOUR RENDERING INDEX

Ra ≥80

LUMEN EFFICACY

92-105 lm/W

DIFFERENT CCTs

Upon request

TECHNICAL CHARACTERISTICS

Operating Voltage: 24VDC
Power Consumption: 20W/m
Viewing Angle: 120°
Cutting Point: every 10cm
Ingress Protection: IP20

PACKAGING

1x5m/Reel
Total 5meters/Reel

INSTALLATION

IDEAL USE OF SUITABLE
ELECTRON PROFILES



Ra ≥80
L70/B36 36.000h

Monochromatic: Management through:

- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.

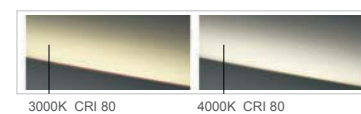
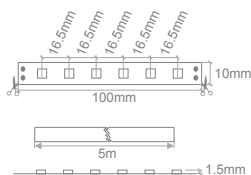
- Supreme Series is the flexible LED series with branded Samsung LEDs.
- This series has high CRI and high lumen efficacy.
- It should be used only with appropriate heat sink (ELECTRON Aluminium Profiles) for heat absorption & maintenance issues.
- It is offered with adhesive tape on the rear side.
- Different CCTs available upon request.
- High lumen output up to 2050lm/m & high lumen efficacy up to 105lm/W.



Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature /CRI	Luminus FLUX (LM)	Voltage	Viewing Angle	Cutting Point**	IP
TIV.316	60/m	NEUTRAL WHITE	20W/m	10x1.5mm	5m	3800-4200K / CRI80+	2050 lm/m	24VDC	120°	100mm	IP20
TIV.317	60/m	WARM WHITE	20W/m	10x1.5mm	5m	2700-3000K / CRI80+	1850 lm/m	24VDC	120°	100mm	IP20

* Available in other colours upon request

** Please confirm the connection points on the modules.



Contents

fibreLED
LED Lighting Specialists

Flexible LEDs

LED Strips
Supreme Series

30LED/m SUPREME SERIES

Ra ≥80

LED SOURCE
30 LEDs BY SAMSUNG

COLOUR RENDERING INDEX
Ra ≥80

LUMEN EFFICACY
90-105 lm/W

DIFFERENT CCTs
Upon request

TECHNICAL CHARACTERISTICS
Operating Voltage: 12VDC
Power Consumption: 10W/m
Viewing Angle: 120°
Cutting Point: every 10cm
Ingress Protection: IP20 & IP65

PACKAGING
1x5m/Reel
Total 5meters/Reel

INSTALLATION
IDEAL USE OF SUITABLE
ELECTRON PROFILES



Ra ≥80
L70/B36 36.000h



Monochromatic: Management through:

- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.
- Supreme Series is the flexible LED series with branded Samsung LEDs.
- This series has high CRI and high lumen efficacy.
- It should be used only with appropriate heat sink (ELECTRON Aluminium Profiles) for heat absorption & maintenance issues.
- It is offered with adhesive tape on the rear side for both waterproof & non-waterproof version.
- Different CCTs available upon request.
- High lumen output up to 1050lm/m & high lumen efficacy up to 105lm/W.

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature/CRI	Luminus FLUX (LM)	Voltage	Viewing Angle	Cutting Point**	IP
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MONOCHROMATIC

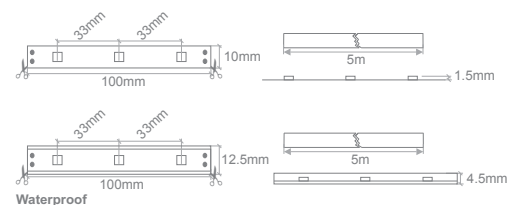
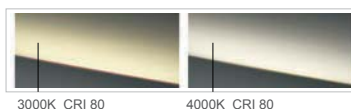
TIV.318	30/m	NEUTRAL WHITE	10W/m	10x1.5mm	5m	3800-4200K / CRI80+	1050 lm/m	12VDC	120°	100mm	IP20
TIV.319	30/m	WARM WHITE	10W/m	10x1.5mm	5m	2700-3000K / CRI80+	950 lm/m	12VDC	120°	100mm	IP20

* Available in other colours upon request
** Please confirm the connection points on the modules.

MONOCHROMATIC WATERPROOF

TIV.320	30/m	NEUTRAL WHITE	10W/m	12.5x4.5mm	5m	3800-4200K / CRI80+	1000 lm/m	12VDC	120°	100mm	IP65
TIV.321	30/m	WARM WHITE	10W/m	12.5x4.5mm	5m	2700-3000K / CRI80+	900 lm/m	12VDC	120°	100mm	IP65

* Available in other colours upon request
** Please confirm the connection points on the modules.



Flexible LEDs

LED Strips
Smart Pixel Series

32LED/m
DMX512
DIRECT CONTROL

LED SOURCE

32 PIECES PER METER
RGB LED 3 IN ONE CHIP

CONTROL

One by one individually controllable LEDs
through standard DMX-512 control protocol.

PIXEL PITCH

31.25mm

TECHNICAL CHARACTERISTICS

Operating Voltage: 5VDC
Power Consumption: 9W/m
Viewing angle: 120 degrees
Cutting Point: every 1LED / 31.25mm
Ingress Protection: IP20 or IP65

PACKAGING

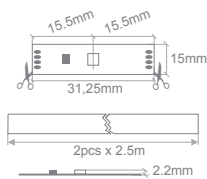
2x2.5m/Reel
Total 5meters/Reel

- Individually controllable pixels one by one through standard DMX-512 protocol.
- Cutting section of 1LED and 1 IC ensures higher flexibility of installation
- Adhesive tape on the rear side.
- Ideal for creating LED matrix effects.
- 2pcs x 80LED / 2.5m - RGB



Code	No.LED	Colour	Watt	Dimensions	Reel	Voltage	Viewing Angle	Pixel Pitch*	IP
<i>RGB</i>									
TIV.306	32/m	RGB	9W/m	31.25x2.2mm	2 x 2.5m	5VDC	120°	31.25mm	IP20
<i>RGB WATERPROOF</i>									
TIV.307	32/m	RGB	9W/m	31.25x2.2mm	2 x 2.5m	5VDC	120°	31.25mm	IP65

*Please confirm the connection points on the modules



Contents

Flexible LEDs

LED Strips
Smart Pixel Series

32LED/m
WIRELESS CONTROL

LED SOURCE
32 PIECES PER METER
RGB LED 3 IN ONE CHIP

CONTROL
One by one individually controllable LEDs through standard programs of CDS.304 wireless controller.
94 modes with adjustable speed.
2x240 pixels / 2x7.5m in parallel signal connection

PIXEL PITCH
31.25mm

TECHNICAL CHARACTERISTICS

Operating Voltage: 5VDC
Power Consumption: 9W/m
Viewing angle: 120 degrees
Cutting Point: every 1LED / 31.25mm
Ingress Protection: IP20 or IP65

PACKAGING

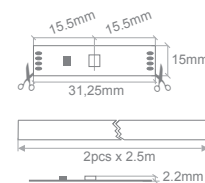
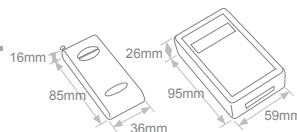
2x2.5m/Reel
Total 5meters/Reel

- Individually controllable pixels one by one through standard programs of CDS.304 controller.
- Cutting section of 1LED and 1 IC ensures higher flexibility of installation.
- Adhesive tape on the rear side.
- 2x240 pixels / 2x7.5m can be controlled with CDS.304.
- 2pcs x 80LED / 2.5m - RGB



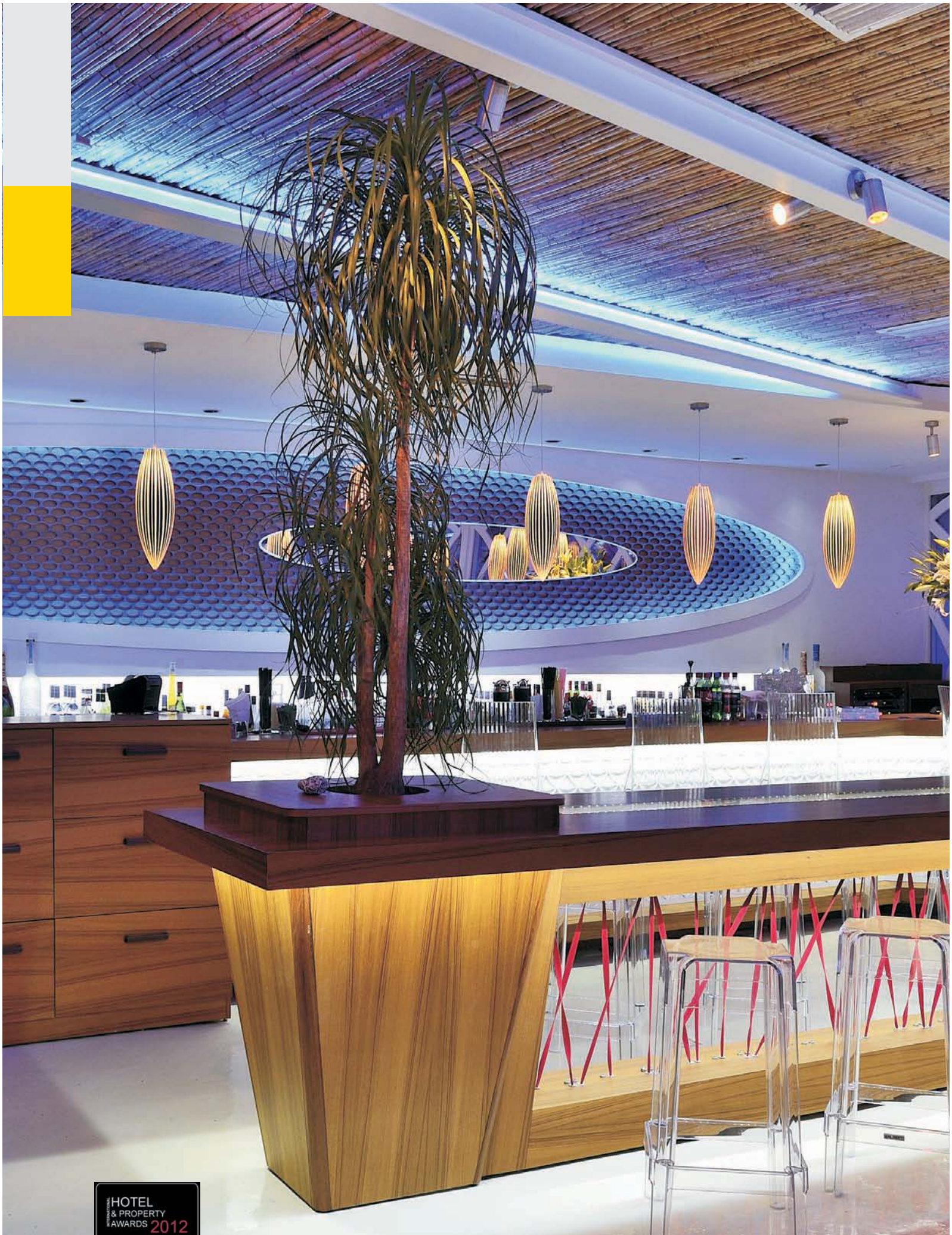
Code	No.LED	Colour	Watt	Dimensions	Reel	Voltage	Viewing angle	Pixel Pitch*	IP**
<i>RGB</i>									
TIV.304	32/m	RGB	9W/m	31.25x2.2mm	2 x 2.5m	5VDC	120°	31.25mm	IP20
*Please confirm the connection points on the modules									
<i>RGB WATERPROOF</i>									
TIV.305	32/m	RGB	9W/m	31.25x2.2mm	2 x 2.5m	5VDC	120°	31.25mm	IP65
*Please confirm the connection points on the modules									

Code	Supply Voltage	Nr. of modes/programms	Control
CDS.304	12VDC PSU is included	94	Stand alone or wireless RF remote control



Contents

fibreLED
LED Lighting Specialists



HOTEL
& PROPERTY
AWARDS 2012

Contents

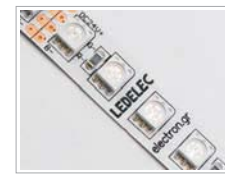
fibreLED
LED Lighting Specialists

Flexible LEDs
LED Strips RGB

3CHIP 96LED/m
RGB in one chip

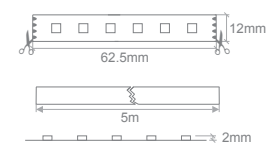


- RGB:** Management through:
- DMX 512 controllers.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.
 - Ideal installation with the ELECTRON Aluminium Profile range.
 - To be used only with the appropriate heat sink



Code	No.LED	Colour	Watt	Dimensions	Reel	Voltage	Beam Angle	Module Length	IP
TIV.229 /CA	96/m	RGB	23W/m	12x2mm	5m	24VDC	120°	62.5mm	IP20

* Please confirm the connection points on the modules.



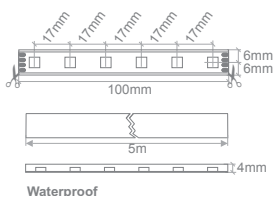
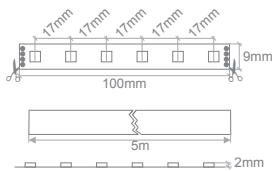
Flexible LEDs
LED Strips RGB

3CHIP 60LED/m
RGB in one chip



- RGB:** Management through:
- DMX 512 controllers.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
- Easy installation.
- Ideal installation with the ELECTRON Aluminium Profile range.
- To be used only with the appropriate heat sink .

Code	No.LED	Colour	Watt	Dimensions	Reel	Lumen Output	Wavelength	Voltage	Beam Angle	Scissors	IP
<i>RGB (In one chip)</i>											
TIV.121 /CC	60/m	RGB	14.5W/m	9x2mm	5m	R: 64 lm/m G:220 lm/m B: 50 lm/m	Red: 624nm Green: 526nm Blue: 463nm	24VDC 24VDC	120° 120°	100mm 100mm	IP20 IP20
TIV.199 /CA	60/m	RGB	14.4W/m	9x2mm	5m						
* Please confirm the connection points on the modules.											
<i>RGB (In one chip) WATERPROOF</i>											
TIV.169 /CC	60/m	RGB	14.5W/m	12x4mm	5m	R: 61 lm/m G:210 lm/m B: 47 lm/m	Red: 624nm Green: 526nm Blue: 463nm	24VDC 24VDC	120° 120°	100mm 100mm	IP65 IP65
TIV.138 /CA	60/m	RGB	14.4W/m	12x4mm	5m						
* Please confirm the connection points on the modules.											



Flexible LEDs
LED Strips RGB

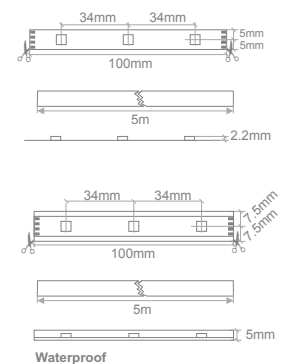
3CHIP 30LED/m
RGB in one chip

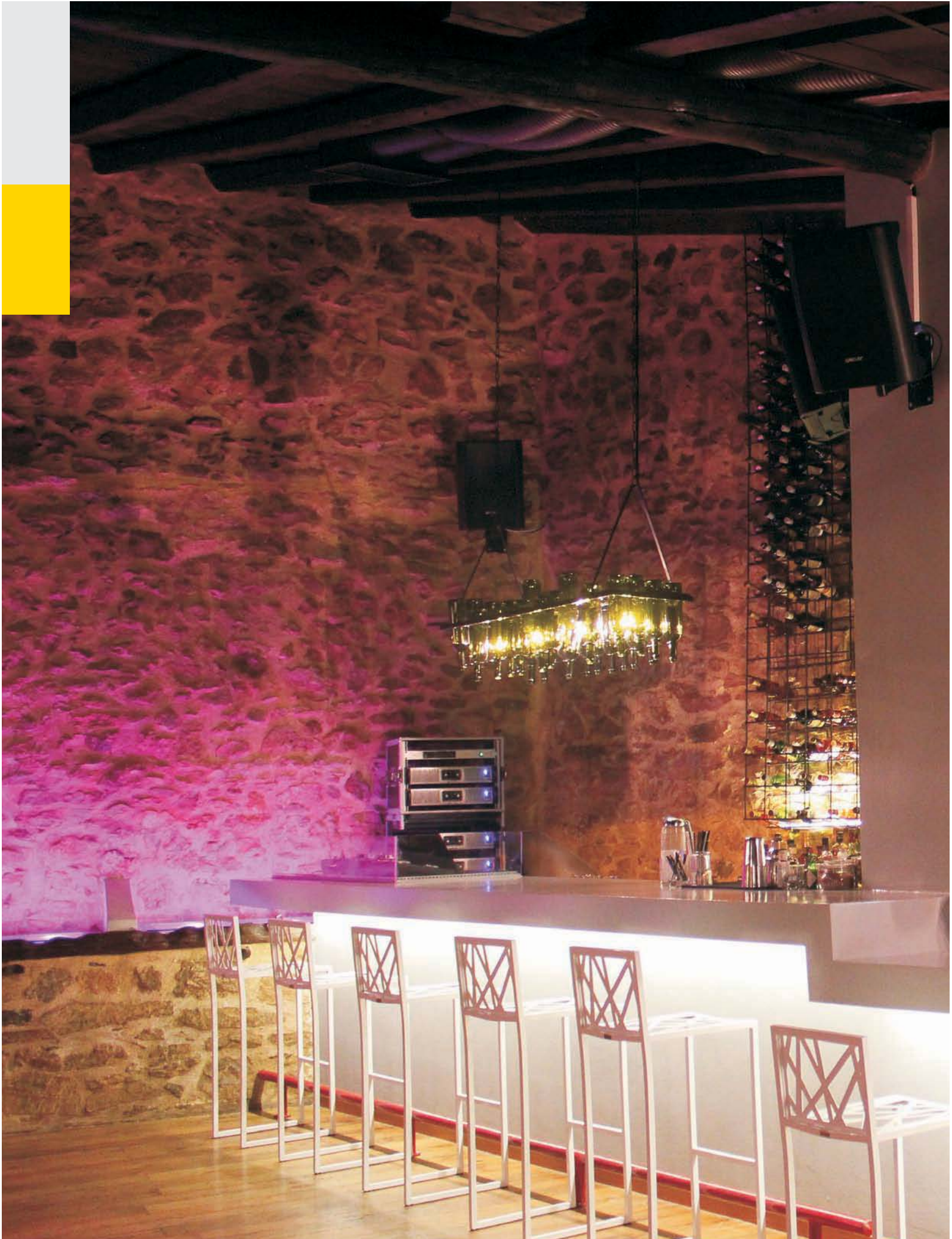


- RGB:** Management through:
- DMX 512 controllers.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
- Easy installation.
- Ideal installation with the ELECTRON Aluminium Profile range.

Code	No.LED	Colour	Watt	Dimensions	Reel	Lumen Output	Wavelength	Voltage	Beam Angle	Length	IP
<i>RGB (in one chip)</i>											
TIV.120 /CA	30/m	RGB	7.2W/m	10x2mm	5m	R: 32 lm/m G: 130 lm/m B: 26 lm/m	Red: 624nm Green: 526nm Blue: 463nm	12VDC 12VDC	120° 120°	100mm 100mm	IP20 IP20
TIV.157 /CC	30/m	RGB	7.2W/m	10x2mm	5m						
<i>RGB (in one chip) WATERPROOF</i>											
TIV.203 /CA	30/m	RGB	7.2W/m	12.5x4mm	5m	R: 30 lm/m G: 124 lm/m B: 25 lm/m	Red: 624nm Green: 526nm Blue: 463nm	12VDC 12VDC	120° 120°	100mm 100mm	IP65 IP65
TIV.160 /CC	30/m	RGB	7.2W/m	12.5x4mm	5m						

* Please confirm the connection points on the modules.





Flexible LEDs

LED Strips
Colour Adjustable

3CHIP
96 & 60LED/m
RGB+WW



- RGB+WW:** Management through:
- DMX 512 controllers.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.
 - Ideal installation with the ELECTRON Aluminium Profile range.
 - To be used only with the appropriate heat sink

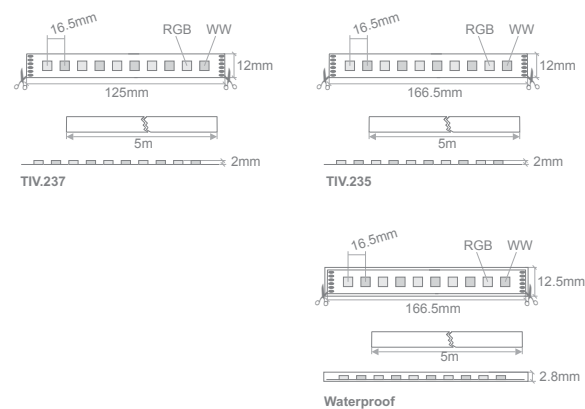
Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Voltage	Beam Angle	Length**	IP
<i>RGB+WW</i>										
TIV.237 /CA	96/m	48RGB+48WW (2700K)	23W/m	12x2mm	5m	Adjustable	24VDC	120°	125mm	IP20
TIV.235 /CA	60/m	30RGB+30WW (2700K)	14.4W/m	12x2mm	5m	Adjustable	24VDC	120°	166.5mm	IP20

*WW=Warm White
** Please confirm the connection points on the modules.

RGB+WW WATERPROOF

TIV.236 /CA	60/m	30RGB+30WW (2700K)	14.4W/m	12.5x2.8mm	5m	Adjustable	24VDC	120°	166.5mm	IP65
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*WW=Warm White
** Please confirm the connection points on the modules.



Flexible LEDs




LED Strips
Colour Adjustable

3CHIP 120LED/m
CW+WW



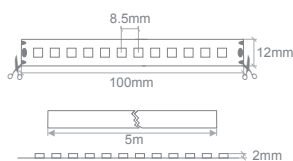
CW+WW: Management through:

- DMX 512 controllers.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
-
- Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.
 - Ideal installation with the ELECTRON Aluminium Profile range.
 - To be used only with the appropriate heat sink

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Voltage		 **	 IP20
TV.211 /CA	120/m	60CW+60WW	29W/m	12x2mm	5m	Adjustable	24VDC	120°	100mm	IP20

*CW=Cool White, WW=Warm White

** Please confirm the connection points on the modules.



Contents

Flexible LEDs

LED Strips
Colour Adjustable

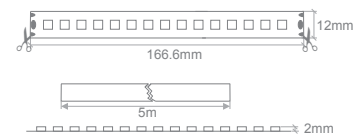
3CHIP 90LED/m
AWB



- AWB:** Management through:
- DMX 512 controllers.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.
 - Ideal installation with the ELECTRON Aluminium Profile range.
 - To be used only with the appropriate heat sink

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Voltage	Beam Angle	Cut Points**	IP
TIV.213 /CA	90/m	30A+30W+30B	21W/m	12x2mm	5m	Adjustable	24VDC	120°	166.6mm	IP20

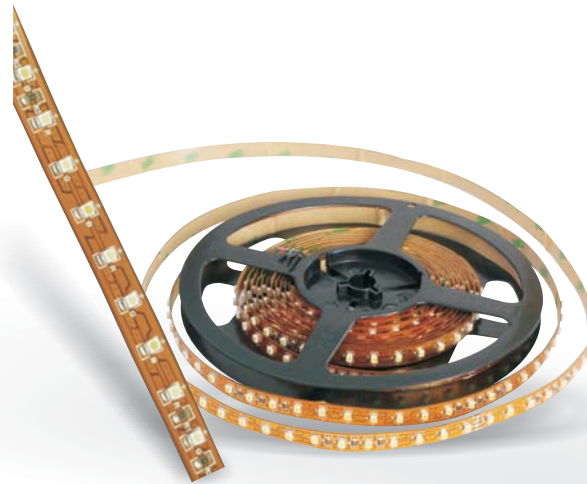
*A=Amber, W=White, B=Blue
** Please confirm the connection points on the modules.



Flexible LEDs

LED Strips
Colour Adjustable

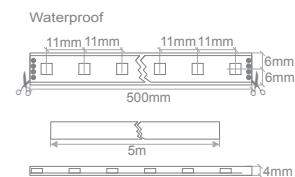
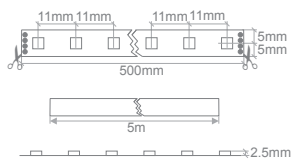
90LED/m
CW+NW+WW

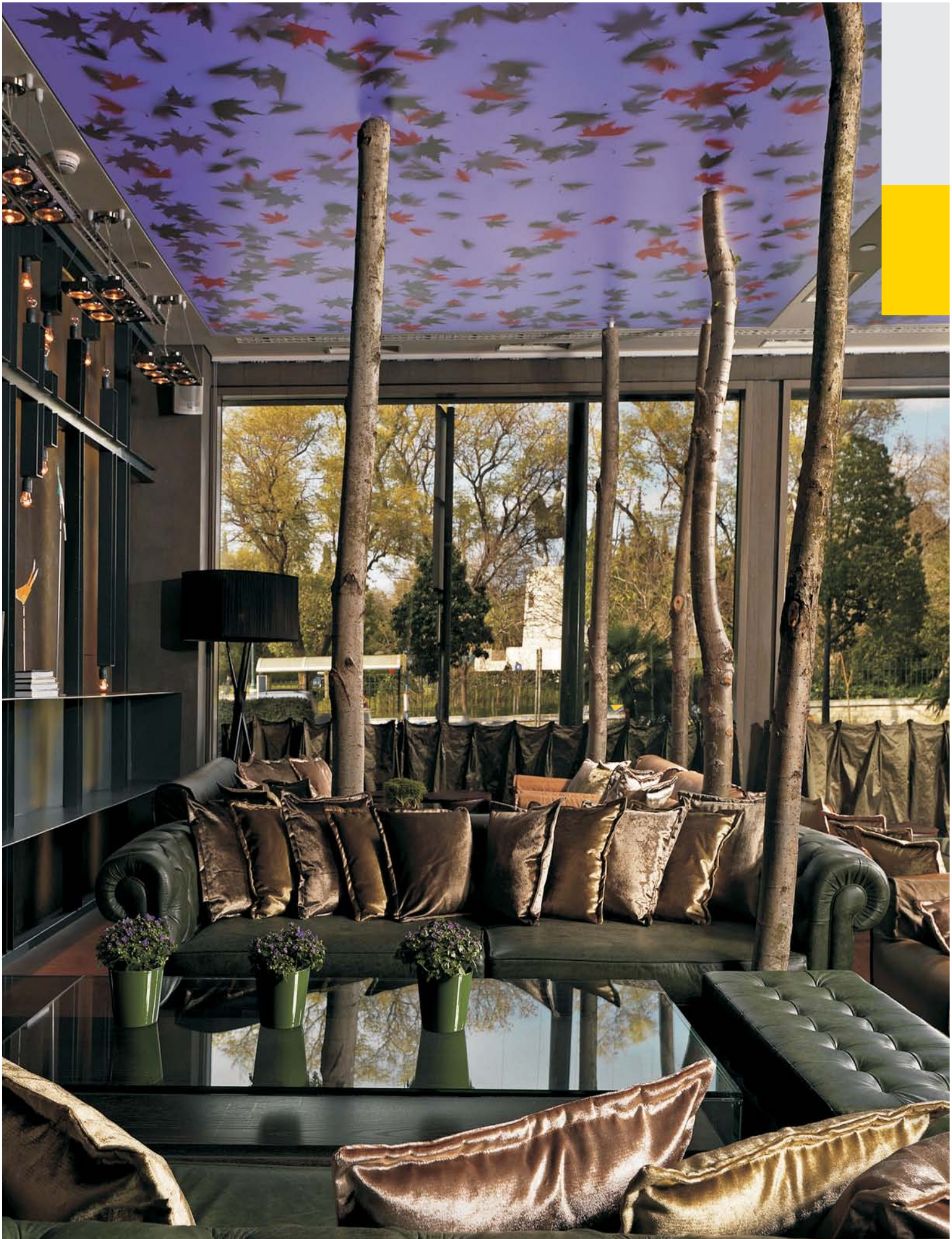


CW+NW+WW: Management through:

- DMX 512 controllers.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.
 - Ideal installation with the ELECTRON Aluminium Profile range.
 - To be used only with the appropriate heat sink.

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Voltage	Beam Angle	Cuttable**	IP
CW+NW+WW										
TIV.176 /CC	90/m	30CW+30NW+30WW	5.6W/m	10x2,5mm	5m	Adjustable	12VDC	120°	500mm	IP20
						*CW=Cool White, NW=Neutral White, WW=Warm White				
						** Please confirm the connection points on the modules				
CW+NW+WW WATERPROOF										
TIV.177 /CC	90/m	30CW+30NW+30WW	5.6W/m	12x4mm	5m	Adjustable	12VDC	120°	500mm	IP65
						*CW=Cool White, NW=Neutral White, WW=Warm White				
						**Please confirm the connection points on the modules				





Flexible LEDs

LED Strips
Monochromatic

3CHIP
120LED/m
Monochromatic



Monochromatic: Management through:

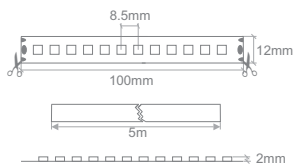
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.

- Adhesive tape on the rear side of the non-waterproof tapes.
- Easy installation.
- Ideal installation with the ELECTRON Aluminium Profile range.
- To be used only with the appropriate heat sink

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Lumen Output	Voltage	Beam Angle	Cuttable**	IP
TIV.207	120/m	COOL WHITE	29W/m	12x2mm	5m	5.700-6.300K	1680lm/m	24VDC	120°	100mm	IP20
TIV.208	120/m	WARM WHITE	29W/m	12x2mm	5m	2.900-3.300K	1500lm/m	24VDC	120°	100mm	IP20

* Available in other colours upon request.

** Please confirm the connection points on the modules.



Contents

Flexible LEDs

LED Strips RGBW
& Colour Adjustable

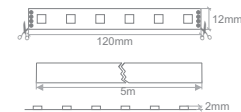


84, 60 & 48 LED/m
RGBWW - RGBCW

RGBWW - RGBCW: Management through:
DMX 512 controllers.
Wireless IR & RF control units.
DALI Protocol devices.

Code	No.LED	Colour	Watt	Dimensions	Reel	Colour Temperature	Voltage	Beam Angle	Cuttable*	IP
<i>RGBWW - RGBCW</i>										
V.240 /CA	84/m	RGBWW (2700K)	27W/m	12x2mm	5m	Adjustable	24VDC	120°	72mm	IP20
V.241 /CA	60/m	RGBWW (2700K)	19W/m	12x2mm	5m	Adjustable	24VDC	120°	100mm	IP20
V.243 /CA	84/m	RGBCW (5600K)	27W/m	12x2mm	5m	Adjustable	24VDC	120°	72mm	IP20
V.244 /CA	60/m	RGBCW (5600K)	19W/m	12x2mm	5m	Adjustable	24VDC	120°	100mm	IP20

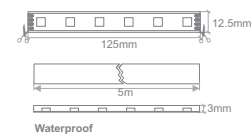
* Please confirm the connection points on the modules.



RGBWW - RGBCW WATERPROOF

V.242 /CA	48/m	RGBWW (2700K)	15.4W/m	12.5x3mm	5m	Adjustable	24VDC	120°	125mm	IP20
V.245 /CA	48/m	RGBCW (5600K)	15.4W/m	12.5x3mm	5m	Adjustable	24VDC	120°	125mm	IP20

* Please confirm the connection points on the modules.



72 LED/m
TUNABLE WHITE

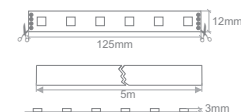
WW + CW: Management through:
DMX 512 controllers.
Wireless IR & RF control units.
DALI Protocol devices.

Powered by Samsung LEDs
Supreme Series



Code	No.LED	Colour	Watt	Dimensions	Reel	Colour Temperature	Voltage	Beam Angle	Cuttable*	IP
<i>TUNABLE WHITE</i>										
V.246 /CA	72/m	WW + CW (2700K) (5600K)	20W/m	12x3mm	5m	Adjustable	24VDC	120°	16.7mm	IP20

* Please confirm the connection points on the modules.



Flexible LEDs

LED Strips
Monochromatic

120LED/m
Monochromatic



Monochromatic: Management through:

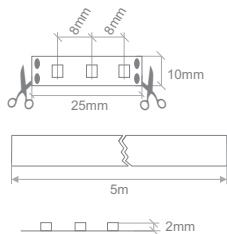
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.

- Adhesive tape on the rear side of the non-waterproof tapes.
- Easy installation.
- Ideal installation with the ELECTRON Aluminium Profile range.
- To be used only with the appropriate heat sink

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Lumen Output	Voltage	Beam Angle	Module Size**	IP
TIV.204	120/m	COOL WHITE	19W/m	10x2mm	5m	5.700-6.300K	1380lm/m	12VDC	120°	25mm	IP20
TIV.205	120/m	WARM WHITE	18W/m	10x2mm	5m	2.900-3.300K	1150lm/m	12VDC	120°	25mm	IP20

* Available in other colours upon request.

** Please confirm the connection points on the modules.



Contents

Flexible LEDs

LED Strips
Monochromatic

3CHIP 60LED/m
Monochromatic



- Monochromatic:** Management through:
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
- Easy installation.
- Ideal installation with the ELECTRON Aluminium Profile range.
- To be used only with the appropriate heat sink.

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Lumen Output	Voltage	Beam Angle	Scissors**	IP
MONOCHROMATIC											
TIV.188	60/m	COOL WHITE	14.4W/m	9x2mm	5m	5.700-6.300K	950 lm/m	24VDC	120°	100mm	IP20
TIV.222	60/m	WARM WHITE	14.4W/m	9x2mm	5m	2.600-2.900K	730 lm/m	24VDC	120°	100mm	IP20
TIV.189	60/m	WARM WHITE	14.4W/m	9x2mm	5m	2.900-3.300K	780 lm/m	24VDC	120°	100mm	IP20
TIV.217	60/m	NEUTRAL WHITE	14.4W/m	9x2mm	5m	3.900-4.300K	840 lm/m	24VDC	120°	100mm	IP20
TIV.227	60/m	BLUE	14.4W/m	9x2mm	5m	-	-	24VDC	120°	100mm	IP20
TIV.228	60/m	RED	14.4W/m	9x2mm	5m	-	-	24VDC	120°	100mm	IP20

* Available in other colours upon request

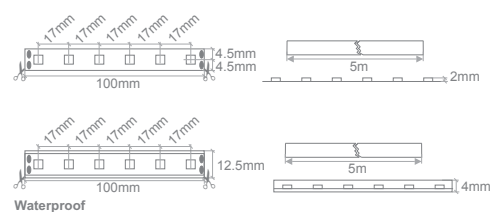
** Please confirm the connection points on the modules

MONOCHROMATIC WATERPROOF

TIV.192	60/m	COOL WHITE	14.4W/m	12x4mm	5m	5.700-6.300K	900 lm/m	24VDC	120°	100mm	IP65
TIV.223	60/m	WARM WHITE	14.4W/m	12x4mm	5m	2.600-2.900K	700 lm/m	24VDC	120°	100mm	IP65
TIV.193	60/m	WARM WHITE	14.4W/m	12x4mm	5m	2.900-3.300K	740 lm/m	24VDC	120°	100mm	IP65
TIV.218	60/m	NEUTRAL WHITE	14.4W/m	12x4mm	5m	3.900-4.300K	800 lm/m	24VDC	120°	100mm	IP65

* Available in other colours upon request

** Please confirm the connection points on the modules



Flexible LEDs

LED Strips
Monochromatic

3CHIP 30LED/m Monochromatic



- Monochromatic:** Management through:
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
- Easy installation.
- Ideal installation with the ELECTRON Aluminium Profile range.

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Lumen Output	Voltage	Beam Angle	Cuttable**	IP
MONOCHROMATIC											
TIV.190	30/m	COOL WHITE	7.2W/m	10x2mm	5m	5.700-6.300K	470 lm/m	12VDC	120°	100mm	IP20
TIV.224	30/m	WARM WHITE	7.2W/m	10x2mm	5m	2.600-2.900K	330 lm/m	12VDC	120°	100mm	IP20
TIV.191	30/m	WARM WHITE	7.2W/m	10x2mm	5m	2.900-3.300K	390 lm/m	12VDC	120°	100mm	IP20

* Available in other colours upon request

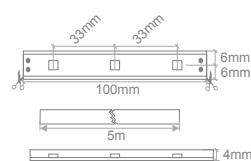
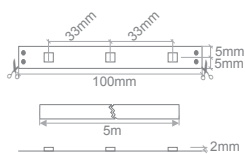
** Please confirm the connection points on the modules

MONOCHROMATIC WATERPROOF

TIV.194	30/m	COOL WHITE	7.2W/m	12x4mm	5m	5.700-6.300K	440 lm/m	12VDC	120°	100mm	IP65
TIV.225	30/m	WARM WHITE	7.2W/m	12x4mm	5m	2.600-2.900K	310 lm/m	12VDC	120°	100mm	IP65
TIV.195	30/m	WARM WHITE	7.2W/m	12x4mm	5m	2.900-3.300K	370 lm/m	12VDC	120°	100mm	IP65

* Available in other colours upon request

** Please confirm the connection points on the modules



Contents

Flexible LEDs

LED Strips
Monochromatic

120LED/m
Monochromatic



Monochromatic: Management through:

- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.

- Adhesive tape on the rear side of the non-waterproof tapes.
- Easy installation.
- Ideal installation with the ELECTRON Aluminium Profile range.
- To be used only with the appropriate heat sink.

Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Lumen Output	Voltage	Beam Angle	Module Length	IP
MONOCHROMATIC											
TIV.173	120/m	BLUE	9.6W/m	8x2.2mm	5m	-	-	12VDC	120°	25mm	IP20
TIV.202	120/m	AMBER	9.6W/m	8x2.2mm	5m	-	-	12VDC	120°	25mm	IP20
TIV.174	120/m	COOL WHITE	9.6W/m	8x2.2mm	5m	5.700-6.300K	780 lm/m	12VDC	120°	25mm	IP20
TIV.220	120/m	WARM WHITE	9.6W/m	8x2.2mm	5m	2.600-2.900K	600 lm/m	12VDC	120°	25mm	IP20
TIV.175	120/m	WARM WHITE	9.6W/m	8x2.2mm	5m	2.900-3.300K	640 lm/m	12VDC	120°	25mm	IP20
TIV.201	120/m	NEUTRAL WHITE	9.6W/m	8x2.2mm	5m	3.900-4.300K	720 lm/m	12VDC	120°	25mm	IP20

* Available in other colours upon request

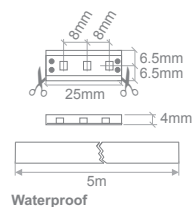
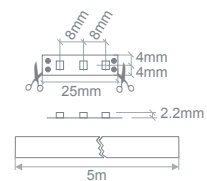
** Please confirm the connection points on the modules

MONOCHROMATIC WATERPROOF

TIV.221	120/m	WARM WHITE	9.6W/m	13x4mm	5m	2.600-2.900K	580 lm/m	12VDC	120°	25mm	IP65
TIV.184	120/m	WARM WHITE	9.6W/m	13x4mm	5m	2.900-3.300K	620 lm/m	12VDC	120°	25mm	IP65
TIV.185	120/m	COOL WHITE	9.6W/m	13x4mm	5m	5.700-6.300K	750 lm/m	12VDC	120°	25mm	IP65
TIV.186	120/m	BLUE	9.6W/m	13x4mm	5m	-	-	12VDC	120°	25mm	IP65
TIV.187	120/m	RED	9.6W/m	13x4mm	5m	-	-	12VDC	120°	25mm	IP65
TIV.197	120/m	GREEN	9.6W/m	13x4mm	5m	-	-	12VDC	120°	25mm	IP65
TIV.216	120/m	NEUTRAL WHITE	9.6W/m	13x4mm	5m	3.900-4.300K	705 lm/m	12VDC	120°	25mm	IP65

* Available in other colours upon request.

** Please confirm the connection points on the modules.



Flexible LEDs

LED Strips
Monochromatic

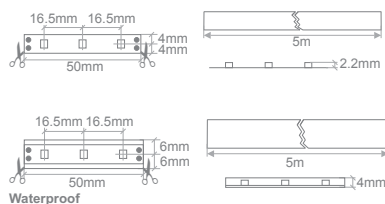
60LED/m
Monochromatic



Monochromatic: Management through:

- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.
 - Ideal installation with the ELECTRON Aluminium Profile range.

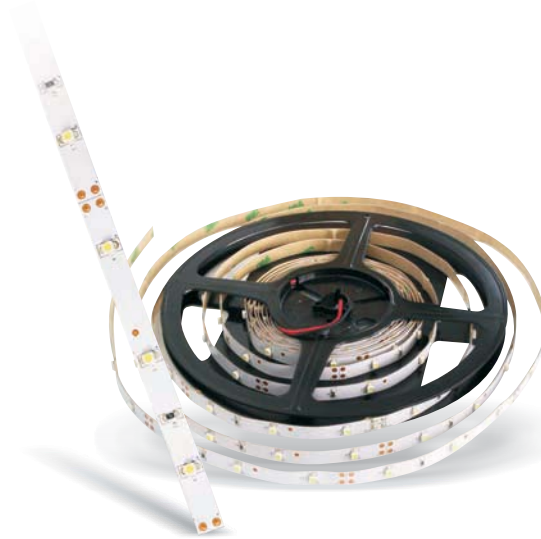
Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Lumen Output	Voltage	Beam Angle	Cuttable**	IP
MONOCHROMATIC											
TIV.139	60/m	BLUE	4.8W/m	8x2.2mm	5m	-	-	12VDC	120°	50mm	IP20
TIV.140	60/m	GREEN	4.8W/m	8x2.2mm	5m	-	-	12VDC	120°	50mm	IP20
TIV.141	60/m	RED	4.8W/m	8x2.2mm	5m	-	-	12VDC	120°	50mm	IP20
TIV.142	60/m	COOL WHITE	4.8W/m	8x2.2mm	5m	5.700-6.300K	350 lm/m	12VDC	120°	50mm	IP20
TIV.206	60/m	WARM WHITE	4.8W/m	8x2.2mm	5m	2.600-2.900K	260 lm/m	12VDC	120°	50mm	IP20
TIV.143	60/m	WARM WHITE	4.8W/m	8x2.2mm	5m	2.900-3.300K	280 lm/m	12VDC	120°	50mm	IP20
TIV.144	60/m	AMBER	4.8W/m	8x2.2mm	5m	-	-	12VDC	120°	50mm	IP20
TIV.214	60/m	NEUTRAL WHITE	4.8W/m	8x2.2mm	5m	3.900-4.300K	310 lm/m	12VDC	120°	50mm	IP20
* Available in other colours upon request											
** Please confirm the connection points on the modules											
MONOCHROMATIC WATERPROOF											
TIV.161	60/m	COOL WHITE	4.8W/m	12x4mm	5m	5.700-6.300K	320 lm/m	12VDC	120°	50mm	IP65
TIV.219	60/m	WARM WHITE	4.8W/m	12x4mm	5m	2.600-2.900K	240 lm/m	12VDC	120°	50mm	IP65
TIV.162	60/m	WARM WHITE	4.8W/m	12x4mm	5m	2.900-3.300K	260 lm/m	12VDC	120°	50mm	IP65
TIV.163	60/m	BLUE	4.8W/m	12x4mm	5m	-	-	12VDC	120°	50mm	IP65
TIV.158	60/m	RED	4.8W/m	12x4mm	5m	-	-	12VDC	120°	50mm	IP65
TIV.198	60/m	AMBER	4.8W/m	12x4mm	5m	-	-	12VDC	120°	50mm	IP65
TIV.215	60/m	NEUTRAL WHITE	4.8W/m	12x4mm	5m	3.900-4.300K	290 lm/m	12VDC	120°	50mm	IP65
* Available in other colours upon request.											
** Please confirm the connection points on the modules.											



Flexible LEDs

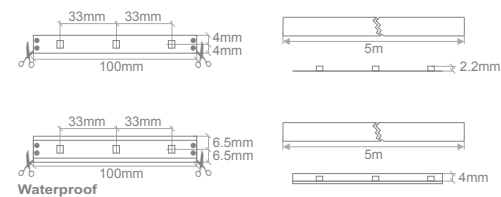
LED Strips
Monochromatic

30LED/m
Monochromatic



- Monochromatic:** Management through:
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.
 - Ideal installation with the ELECTRON Aluminium Profile range.

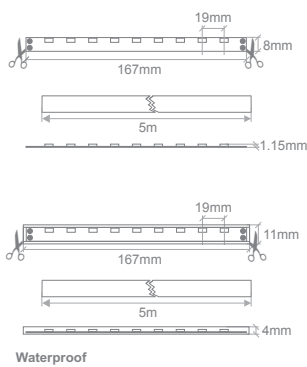
Code	No.LED	Colour*	Watt	Dimensions	Reel	Colour Temperature	Lumen Output	Voltage	Beam Angle	Cut Length**	IP
MONOCHROMATIC											
TIV.170	30/m	BLUE	2W/m	8x2.2mm	5m	-	-	12VDC	120°	100mm	IP20
TIV.171	30/m	COOL WHITE	2.5W/m	8x2.2mm	5m	5.700-6.300K	150 lm/m	12VDC	120°	100mm	IP20
TIV.172	30/m	WARM WHITE	2.5W/m	8x2.2mm	5m	2.900-3.300K	120 lm/m	12VDC	120°	100mm	IP20
* Available in other colours upon request											
** Please confirm the connection points on the modules											
MONOCHROMATIC WATERPROOF											
TIV.182	30/m	WARM WHITE	2.5W/m	13x4mm	5m	2.900-3.300K	110 lm/m	12VDC	120°	100mm	IP65
TIV.183	30/m	COOL WHITE	2.5W/m	13x4mm	5m	5.700-6.300K	140 lm/m	12VDC	120°	100mm	IP65
* Available in other colours upon request.											
** Please confirm the connection points on the modules.											



Flexible LEDs
Side Emitting

54 LED/m
SIDE EMITTING
RGB

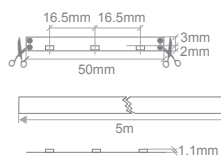
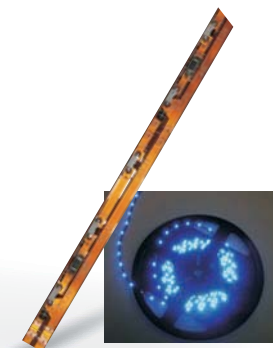
- RGB:** Management through:
- DMX 512 controllers.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Side emission of light.
 - Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.



Code	No.LED	Colour	Watt	Dimensions	Reel	Voltage	Beam Angle	Module Length	Height	IP
<i>RGB</i>										
TIV.181 /CA	54/m	RGB	4.2W/m	8x1.15mm	5m	12VDC	120°	167mm	8mm	IP20
* Please confirm the connection points on the modules.										
<i>RGB WATERPROOF</i>										
TIV.234 /CA	54/m	RGB	4.2W/m	11x4mm	5m	12VDC	120°	167mm	4mm	IP65
* Please confirm the connection points on the modules.										

60 LED/m
SIDE EMITTING
Monochromatic

- Monochromatic:** Management through:
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Side emission of light.
 - Adhesive tape on the rear side of the non-waterproof tapes.
 - Easy installation.



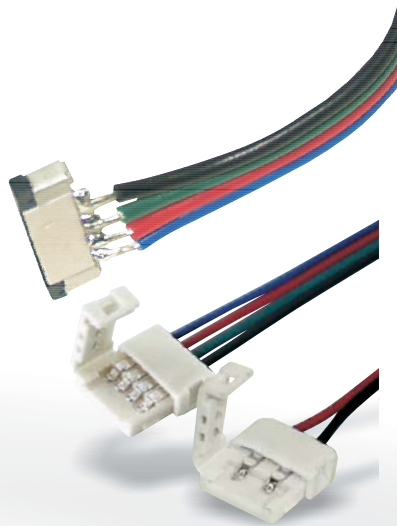
Code	No.LED	Colour*	Watt	Dimensions	Reel	Voltage	Beam Angle	Module Length	Height	IP**
TIV.145	60/m	BLUE	3.5W/m	5x1.1mm	5m	12VDC	120°	50mm	3mm	IP20
TIV.146	60/m	GREEN	3.5W/m	5x1.1mm	5m	12VDC	120°	50mm	3mm	IP20
TIV.147	60/m	RED	3.5W/m	5x1.1mm	5m	12VDC	120°	50mm	3mm	IP20
TIV.148	60/m	COOL WHITE	3.5W/m	5x1.1mm	5m	12VDC	120°	50mm	3mm	IP20
TIV.149	60/m	WARM WHITE	3.5W/m	5x1.1mm	5m	12VDC	120°	50mm	3mm	IP20
TIV.150	60/m	AMBER	3.5W/m	5x1.1mm	5m	12VDC	120°	50mm	3mm	IP20

* Please confirm the connection points on the modules
**Available in WATERPROOF upon request

Flexible LEDs

LED Strips
Accessories

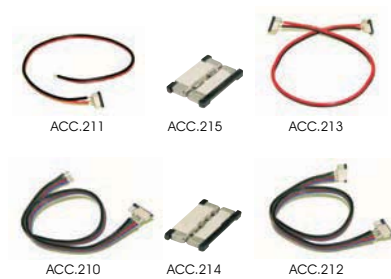
CONNECTORS & ACCESSORIES



Code	Description
------	-------------

CONNECTORS FOR MONOCHROMATIC LED STRIPS

- ACC.211** Wire from one side and connector from the other side.
- ACC.215** Two connectors.
- ACC.213** Wire in between two connectors.
- ACC.216** Wire connector for Single Colour 8mm
- ACC.217** Wire connector for Single Colour 10mm
- ACC.219** Wire & 2 connectors for Single Colour 8mm
- ACC.220** Wire & 2 connectors for Single Colour 10mm
- ACC.222** 2 connectors for Single Colour 8mm
- ACC.223** 2 connectors for Single Colour 10mm



CONNECTORS FOR RGB LED STRIPS

- ACC.210** Wire from one side and connector from the other side.
- ACC.214** 2 connectors.
- ACC.212** Wire in between two connectors.
- ACC.218** Wire connector for RGB 10mm
- ACC.221** Wire & 2 connectors for RGB 10mm
- ACC.224** 2 connectors for RGB 10mm



Code	Description
------	-------------

ACCESSORIES FOR LED STRIPS

- ACC.239** End cap for Waterproof LED STRIPS.
- ACC.240** Holder for Waterproof LED STRIPS.
- ACC.241** Male-Female power connector for Monochromatic LED STRIPS.



Flexible LEDs
Milky LED

MILKY LED
72 LED/m
Flat Surface Slim





Monochromatic: Management through:

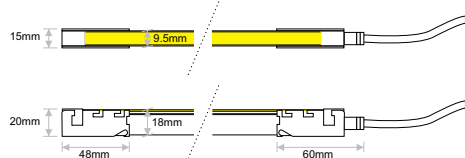
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.

- Outdoor installation IP68.
- Ideal for highlighting buildings and for attracting attention from a distance.
- Indication lighting in corridors, building entrances, cinema halls etc.
- Can be used with aluminium channel.

Flat Surface Slim

Code	Type	No.LED	Colour	Watt	Reel	Voltage		 *	IP
<i>MONOCHROMATIC</i>									
TIV.048	Flat Surface Slim	72/m	WARM WHITE	5W/m	20m	24VDC	120°	8.33mm	IP68
TIV.049	Flat Surface Slim	72/m	COOL WHITE	5W/m	20m	24VDC	120°	8.33mm	IP68
TIV.050	Flat Surface Slim	72/m	BLUE	5W/m	20m	24VDC	120°	8.33mm	IP68

* Please confirm with the >= sign on the rear side of the modules
**Available in RED, AMBER and GREEN upon request for minimum quantities 200r



Flexible LEDs
Milky LED

MILKY LED
60 LED/m
Flat Surface &
Round Surface



- RGB/Monochromatic:** Management through:
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
- Homogeneous and bright light (RGB in one chip).
- Outdoor installation IP68.
- Ideal for highlighting buildings and for attracting attention from a distance.
- Indication lighting in corridors, building entrances, cinema halls etc.
- Can be used with aluminium channel.



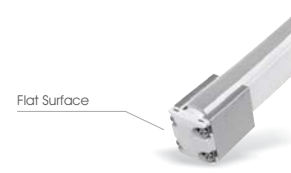
Round Surface

Code	Type	No.LED	Colour	Watt	Reel	Voltage	≡	∠	✂*	IP
<i>RGB</i>										
TIV.123 /CA	Round Surface	60/m	RGB	12W/m	20m	24VDC	120°	100mm	IP68	
* Please confirm with the ≡ sign on the rear side of the modules ** CA=Common Anode										
<i>MONOCHROMATIC</i>										
TIV.040	Round Surface	60/m	WARM WHITE	12W/m	20m	24VDC	120°	100mm	IP68	
TIV.041	Round Surface	60/m	BLUE	12W/m	20m	24VDC	120°	100mm	IP68	
TIV.043	Round Surface	60/m	RED	7.2W/m	20m	24VDC	120°	167mm	IP68	
TIV.044	Round Surface	60/m	NEUTRAL WHITE	12W/m	20m	24VDC	120°	100mm	IP68	
TIV.047	Round Surface	60/m	COOL WHITE	12W/m	20m	24VDC	120°	100mm	IP68	



Flat Surface

Code	Type	No.LED	Colour	Watt	Reel	Voltage	≡	∠	✂*	IP
<i>MONOCHROMATIC</i>										
TIV.046	Flat Surface	60/m	WARM WHITE	12W/m	20m	24VDC	120°	100mm	IP68	
* Please confirm with the ≡ sign on the rear side of the modules **Available in NEUTRAL WHITE, COOL WHITE, BLUE, RED, AMBER and GREEN upon request for minimum quantities 200m.										



ACC.113 Supply connector for TIV.040/041/043/044/047

ACC.114 End cap for TIV.040/041/043/044/047/123

ACC.120 Reverse supply connector for TIV.040/041/043/044/047

ACC.117 Supply connector for TIV.046

ACC.118 End cap for TIV.046

ACC.119 Reverse supply connector for TIV.046

ACC.112 Supply connector for TIV.123

ACC.116 Reverse supply connector for TIV.123

PRF.022 Aluminium Profile for TIV.123

ACC.115 Double mid connector for TIV.123

ACC.121 Clasp front connector for TIV.040/041/043/044/047

ACC.122 Clasp end connector for TIV.040/041/043/044/047

LED Lamps / Panels /
Modules / PCBs
LED Modules

LED MODULE



- > Samsung LED
- > ABS Casing and Aluminium PCB
- > Screw hole on the PCB for durable installation

Monochromatic: Management through:

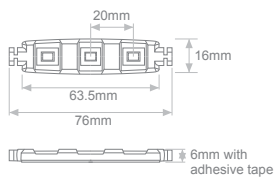
- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.

- ABS Casing and Aluminium PCB
- Screw hole on the PCB for durable installation
- LED Modules for illuminating advertising boards, company name and logo boards, etc.
- Reduced maintenance costs
- Bright, diffuse light and saturated colours
- Adhesive tape at the rear side of the module.



Code*	No.LED	Colour	Watt	Dimensions	Colour Temperature	CRI	Luminous FLUX (LM)	Lumen Efficacy	Voltage	Beam Angle	IP
LEM.013	3	NEUTRAL WHITE	1.4W	76x16x6mm	3800-4200K	CRi80+	115lm	83lm/W	12VDC	160°	IP65
LEM.014	3	WARM WHITE	1.4W	76x16x6mm	2700-3000K	CRi80+	110lm	79lm/W	12VDC	160°	IP65

*Available in Cool White (6000-7000K) upon request



Contents

LED MODULES

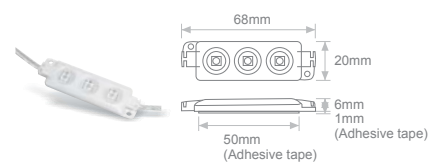
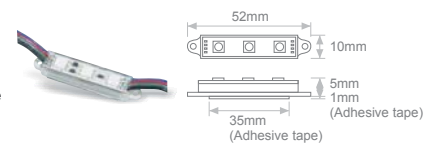
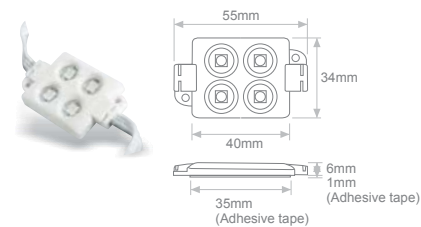


RGB/Monochromatic: Management through:

- DMX 512 controllers & converters 0-10V or 1-10V or simple push buttons.
 - Wireless IR & RF control units.
 - DALI Protocol devices.
-
- LED Modules for illuminating advertising boards, company name and logo boards, etc.
 - Ideal for backlighting plexiglass and other special constructions
 - Reduced maintenance costs
 - Bright, diffuse light and saturated colours
 - Outdoor installation Ip65
 - Adhesive tape at the rear side of the module.
 - SMD LEDs.



Code*	No.LED	Colour	Watt	Dimensions	Voltage		IP
<i>RGB 1.3W</i>							
LEM.012 /CA	4 (RGB in one chip)	RGB	1.3W	55x7x34mm	12VDC	120°	IP65
					<i>*Note: CA=Common Anode</i>		
<i>RGB 0.7W</i>							
LEM.005 /CA	3 (RGB in one chip)	RGB	0,7W	52x6x10mm	12VDC	120°	IP65
					<i>*Note: CA=Common Anode</i>		
<i>MONOCHROMATIC</i>							
LEM.006	3	BLUE	0,56W	68x7x20mm	12VDC	120°	IP65
LEM.007	3	RED	0,55W	68x7x20mm	12VDC	120°	IP65
LEM.008	3	COOL WHITE	0,58W	68x7x20mm	12VDC	120°	IP65
LEM.009	3	WARM WHITE	0,6W	68x7x20mm	12VDC	120°	IP65
LEM.010	3	GREEN	0,56W	68x7x20mm	12VDC	120°	IP65



LED Lamps / Panels /
Modules / PCBs
LED PCBs

LED BAR



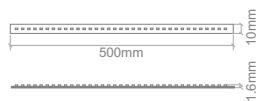
Monochromatic: Management through:

- DMX 512 controllers.
- Converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.



Code	Description	No.LED	Colour*	Watt	Voltage	Colour Temperature	CRI	Luminus FLUX (LM)	Lumen Efficacy	Dimensions		**	IP
PCB.048	Samsung LED Bar	35	NEUTRAL WHITE	12W	24VDC	3800-4200K	80	1050lm	88lm/W	500x10x1.6mm	120°	100mm	IP20
PCB.049	Samsung LED Bar	35	WARM WHITE	12W	24VDC	2700-3000K	80	1000lm	84lm/W	500x10x1.6mm	120°	100mm	IP20

*Available in COOL WHITE (6000-7000K) upon request
** Every 7 LEDs



Contents

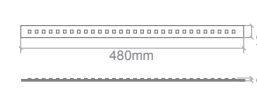
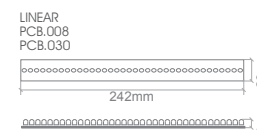
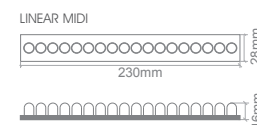
LINEAR LED PCBs

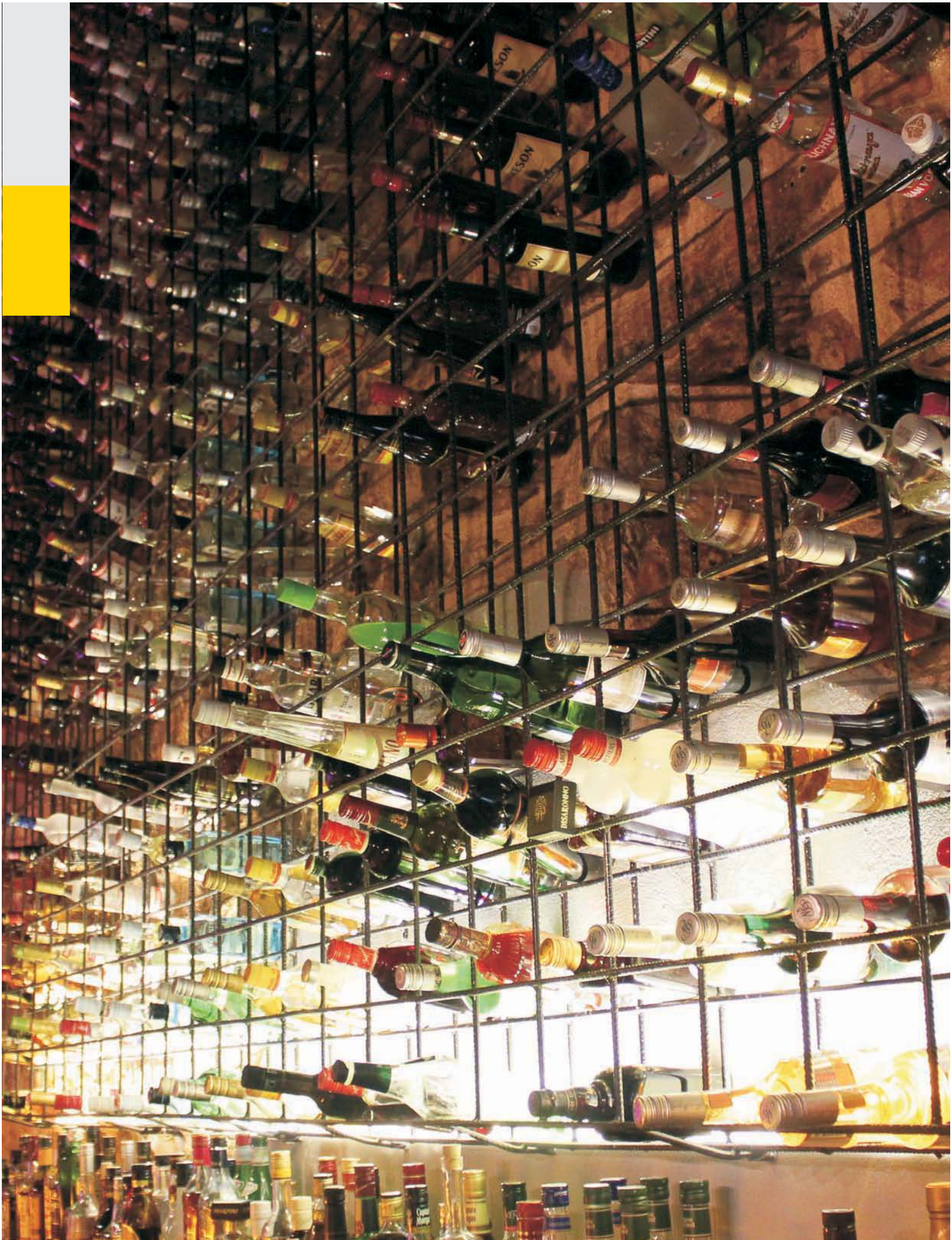


RGB/AWB/Monochromatic: Management through:

- DMX 512 controllers.
- Converters 0-10V or 1-10V or simple push buttons.
- Wireless IR & RF control units.
- DALI Protocol devices.

Code	Description	No.LED	Colour*	Watt	Voltage	Dimensions	Beam Angle**
<i>RGB</i>							
PCB.036	LINEAR MIDI	18	RGB	6.3W	24VDC	230x28mm	45°
**Available in 120° and 20° upon request							
<i>AW/AWB</i>							
PCB.037	LINEAR MIDI	18	AW	6.3W	24VDC	230x28mm	45°
PCB.038	LINEAR MIDI	18	AWB	6.3W	24VDC	230x28mm	45°
*A=Amber, W=White, B=Blue **Available in 120° and 20° upon request							
<i>RGB</i>							
PCB.001	LINEAR	30 (10/colour)	RGB	2.4W	24VDC	196x22mm	120°
PCB.008	LINEAR	36 (12/colour)	RGB	3W	24VDC	242x23mm	25°
<i>MONOCHROMATIC</i>							
PCB.021	LINEAR	30	RED	2.4W	24VDC	196x22mm	120°
PCB.022	LINEAR	30	GREEN	2.4W	24VDC	196x22mm	120°
PCB.023	LINEAR	30	BLUE	2.4W	24VDC	196x22mm	120°
PCB.024	LINEAR	30	AMBER	2.4W	24VDC	196x22mm	120°
PCB.025	LINEAR	30	COOL WHITE	2.4W	24VDC	196x22mm	120°
PCB.030	LINEAR	36	COOL WHITE	3W	24VDC	242x23mm	25°
<i>MONOCHROMATIC</i>							
PCB.041	LINEAR SMD	30	COOL WHITE	7.2W	24VDC	480x18mm	120°
PCB.042	LINEAR SMD	30	WARM WHITE	7.2W	24VDC	480x18mm	120°





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