Overled®

| What's next? |

Product
Catalog

D DS ELETTRONICA®

MADE IN ITALY
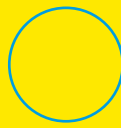
Overled

*Overled did not appear from nowhere.
It was created by DDS Elettronica of Modena,
in Italy.*

*This is where we design, prototype, test,
fine-tune and produce all our technologies.
Since 1992.*

*Overled was created in 2002.
Since then, LED lighting has become our
speciality.*

*Our Modena headquarters is the
manufacturing and research facility
that dictates the future of LED lighting.*

Overled non appare dal nulla,
nasce da DDS Elettronica che ha sede
a Modena, in Italia.

Qui progettiamo, prototipiamo, testiamo,
mettiamo a punto e produciamo ogni nostra
tecnologia. Dal 1992.

Nel 2002 è nata Overled.
Da allora l'illuminazione LED è diventata la
nostra specialità.

E la sede di Modena è il centro produttivo
e di ricerca dove nasce il futuro
dell'illuminazione LED.
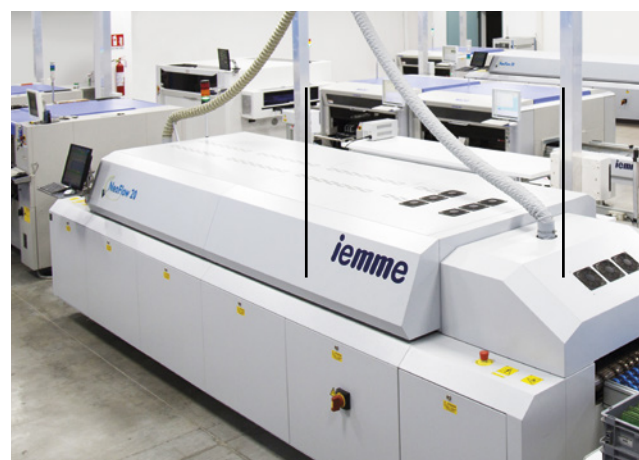
COMPLETE CYCLE OF CERTAINTIES

Design, prototyping,
pre-compliance EMC tests and commissioning.
The entire design and production process
is carried out in Italy, at the headquarters in
Modena.

Design of master electronics and hardware
with latest generation 3D CAD.
Mechanical design of the board or electronic
subset with 3D CAD.
Rapid prototyping to consign test samples
to the customer very quickly.
We develop the master and write the wiring
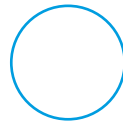*diagram.*
100% made in DDS, Italy.

Progettazione, prototipazione,
test EMC pre-compliance, messa a punto.
Tutto il processo di progettazione e
produzione avviene in Italia, nella sede di
Modena.

Progettazione elettronica master e hardware
con CAD 3D di ultima generazione.
Progettazione meccanica della scheda
o sottoinsieme elettronico con CAD 3D.
Prototipazione rapida per consegnare al cliente
campioni di test in tempi brevi.
Sviluppo master e stesura schema elettrico.
100% made in DDS, Italy.
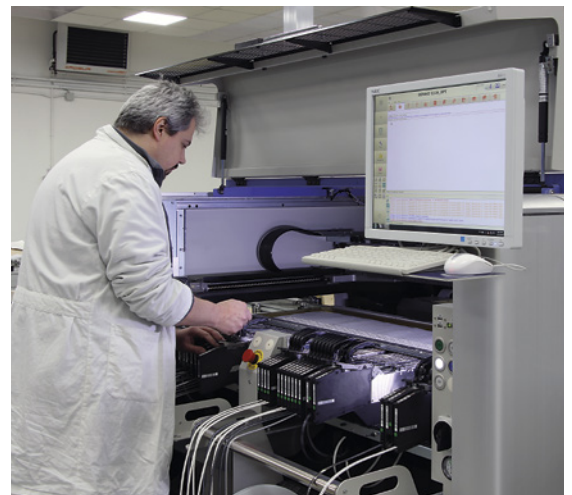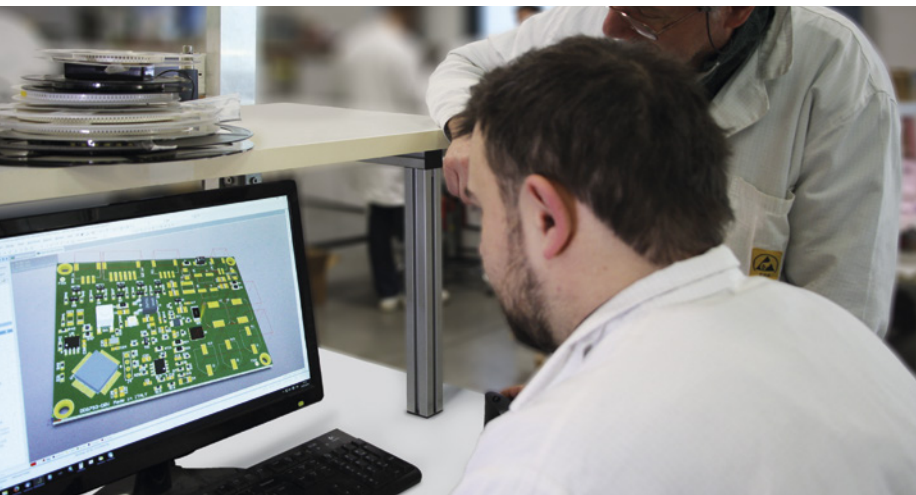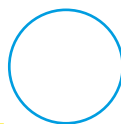
VERIFICATION, TESTING AND CERTIFICATION
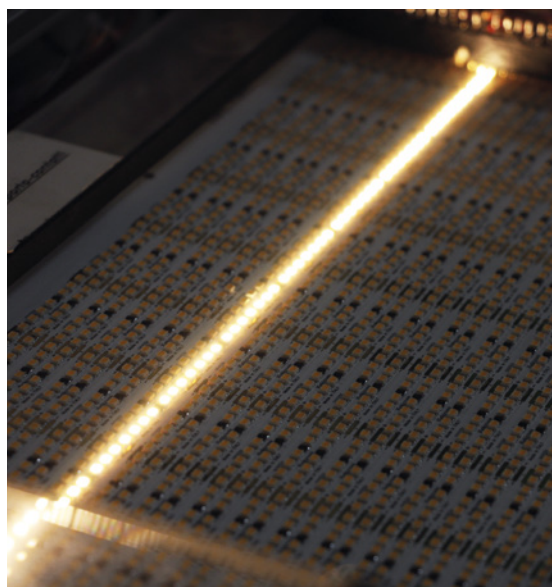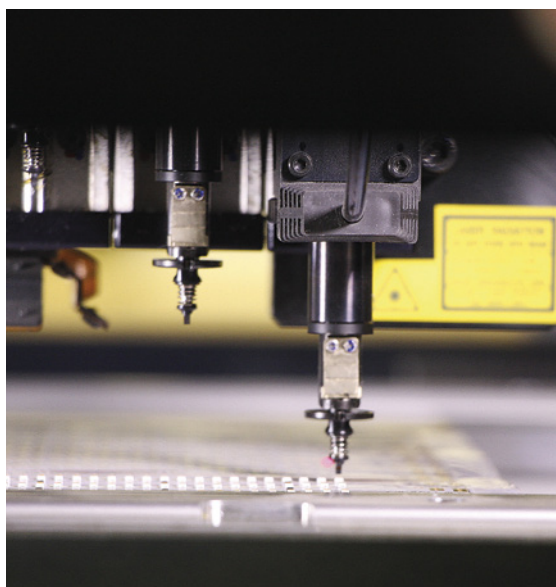
*The boards produced can be type-approved
according to the customer's specific
requirements (for example the UL marking).
Functional tests and thermographic analysis
of the electronic board:*
· *to guarantee excellent qualitative standards*
· *to supply all the information related
  to the thermal management of the equipment.*

Le schede prodotte possono essere omologate
secondo specifica richiesta del cliente
(ad esempio la marcatura UL).
Test funzionali e verifiche termografiche
della scheda elettronica:
· per garantire standard qualitativi di eccellenza
· per fornire tutte le informazioni relative
  alla gestione termica dell'apparecchio.

www.overled.com

E193078

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B R G +
B R G +

OverFLEXI

OVERLED FLEXI helps to improve the ambient lighting thanks to the quality of its light that come from design and production 100% Made in Italy, attention to details and high quality of components used.
OVERLED FLEXI reach more than 5000 lm/mt as well as a high color rendering up to CRI>95 with R9 controlled R9>80. Small dimensions (from 5,5 mm width) allows the use in applications that required limited space.

With new OVERLED FLEXI SILICONE we are able to offer linear light protected against environmental influences, can be provided in customized lenghts with Input/Output cable and connectors. RGB, RGB with DMX Embedded, SPI, RGBW and Silicone IP complete the OVERLED FLEXI product range.

OVERLED FLEXI aiuta a migliorare l'illuminazione ambientale grazie alla qualità della sua luce che deriva da una progettazione e produzione 100% Made in Italy, attenzione ai dettagli e ad un utilizzo di componenti di alta qualità. OVERLED FLEXI può superare i 5000 lm/mt con alti indici di resa cromatica CRI>95 e R9 controllati R9>80. Le piccole dimensioni (da 5,5 mm di larghezza) consentono l'uso in applicazioni che richiedono spazi limitati.

Con la nuova versione OVERLED FLEXI SILICONE possiamo offrire strip con protezione IP e può essere prodotta in lunghezze su richiesta con connettori ingresso/uscita IP. RGB, RGB con DMX a bordo, SPI, RGBW e SILICONE IP completano la gamma di OVERLED FLEXI.

HOW TO FILL IN THE PRODUCT CODE?
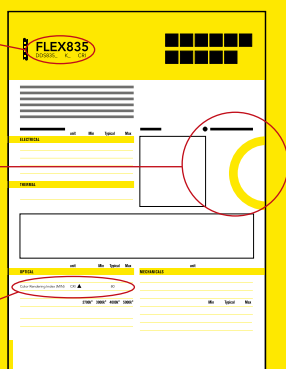
1 - *code to be completed:*
DDS835_ K_ CRI

2 - *the item (K) is indicated in the temperature options indicated with the icon* ☀:
DDS835_**4K**_ CRI

3 - *the item (CRI) is indicated in the second row of the optical table indicated with the icon* ▲:
DDS835_4K_**80CRI**

PRODUCT FEATURES

Cuttable	Strip lenght	Power per meter	Constant current control on board
Voltage input	Type of LEDs used	Gold plated PAD	Energetic class
Efficiency Lm/W	**CRI** Color rendering Index	**R9** R9 controlled	**DMX/ RDM** DMX on board

DDS552

DDS552_ K_ CRI

9,6 cm	5 mt	4,8 W mt	on board	24V	3014
Gold plated PAD	A + +	110 lm/W	CRI>95	R9>80	

DDS552 is a 4,8 W meter led strip with 70 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

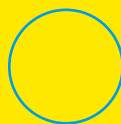|	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	1
Total power	W	24
Current per meter	A	0,2
Power per meter	W	4,8
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7

3K

4K

5K

	unit	Typical
OPTICAL		
Led per meter		70
Led model		3014
Color rendering index (MIN)	CRI ▲	>90
Light emission angle		120

	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	450	480	500	530

	unit	Typical
MECHANICALS		
Width	mm	5,5
Lenght	mt	5
Cutting unit	cmt	9,6
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS746-A-L

DDS746-A-L_ K_ CRI
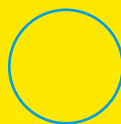
11 cm	5 mt	5 W mt	on board	24V	3014

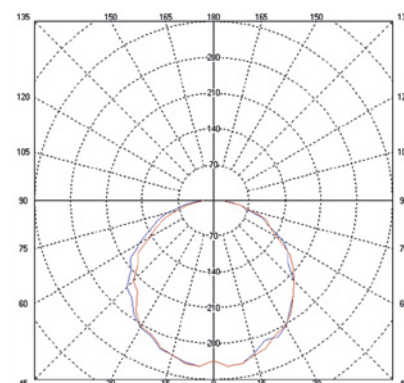|			CRI	R9
Gold plated PAD	A + +	110 lm/W	CRI>95	R9>80

DDS746 is a 5W meter led strip with 63 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	1,04
Total power	W	25
Current per meter	A	0,21
Power per meter	W	5
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7
3K
4K
5K
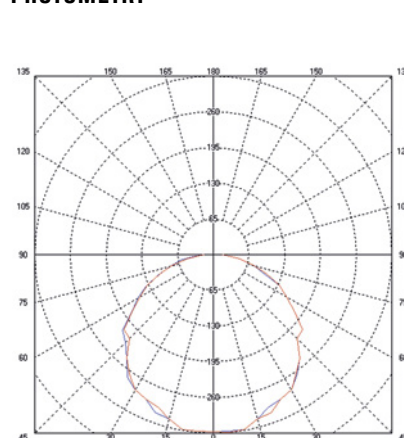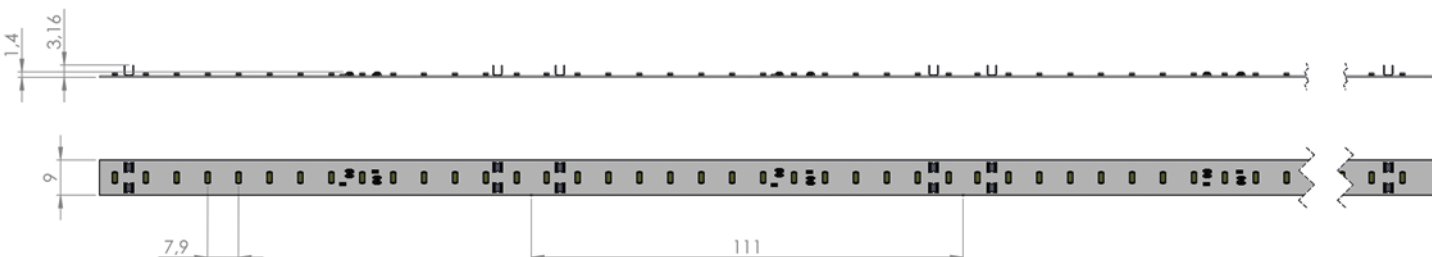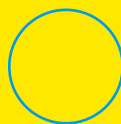
	unit	Typical
OPTICAL		
Led per meter		63
Led model		3014
Color rendering index (MIN)	CRI ▲	>95 - r9=80
Light emission angle		120

	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm	450	475	500	550

	unit	Typical
MECHANICALS		
Width	mm	9
Lenght	mm	5005
Cutting unit	cmt	112,6
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS746-A
DDS746-A_   K_   CRI

|					
11 cm	5 mt	10 W mt	on board	24V	3014
Gold plated PAD	A + +	110 lm/W	CRI>95	R9>80	

DDS746 is a 10W meter led strip with 126 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

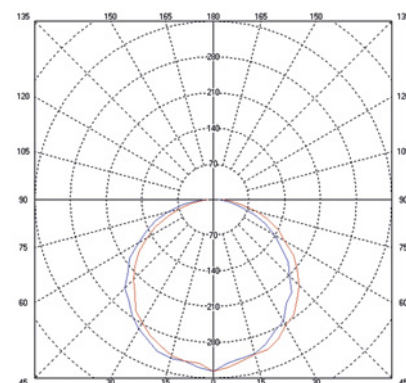|	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	2,08
Total power	W	50
Current per meter	A	0,42
Power per meter	W	10
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7
3K
4K
5K
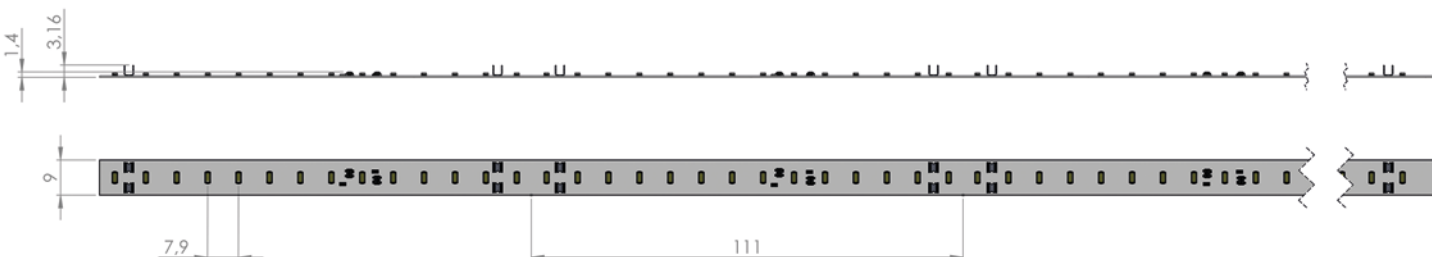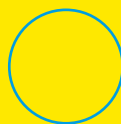
OPTICAL

	unit				Typical
Led per meter					126
Led model					3014
Color rendering index (MIN)	**CRI ▲**				>95 - r9=80
Light emission angle					120
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm	900	950	1005	1100

MECHANICALS

	unit	Typical
Width	mm	9
Lenght	mm	5005
Cutting unit	cmt	112,6
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS835
DDS835_ K_ CRI

| 10 cm | 5 mt | 10 W mt | on board | 24V | 2835 |

| Gold plated PAD | A + + | 138 lm/W | CRI | CRI>90 |

DDS835 is a 10W meter led strip with 70 led 2835 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

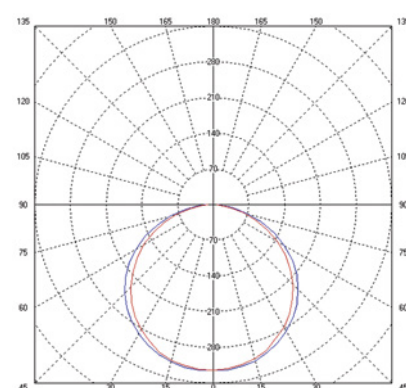|	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	2,1
Total power	W	50,5
Current per meter	A	0,41
Power per meter	W	10
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

✷ TEMPERATURE OPTIONS

2K7
3K
4K
5K
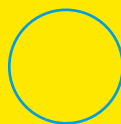
OPTICAL

	unit	Typical		
Led per meter		70		
Led model		2835		
Color rendering index (MIN)	CRI ▲	90		
Light emission angle		120		

	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm	1090	1240	1290	1380

MECHANICALS

	unit	Typical
Width	mm	9
Lenght	mm	5003
Cutting unit	mm	10
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS763

DDS763_ K_ CRI

10 cm	5 mt	10,8 W mt	on board	24V	2016

Gold plated PAD	A + +	140 lm/W	CRI>80

DDS763 is a 10,8W meter led strip with 70 led 2016 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

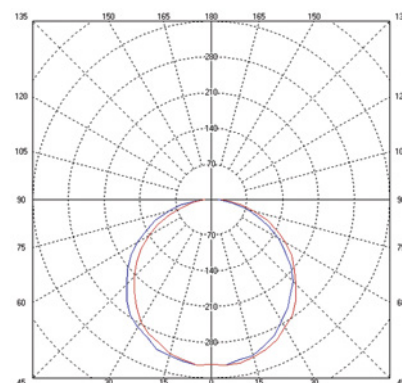|	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	2,3
Total power	W	55,2
Current per meter	A	0,46
Power per meter	W	10,8
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

✴ TEMPERATURE OPTIONS

2K7

3K

4K

5K
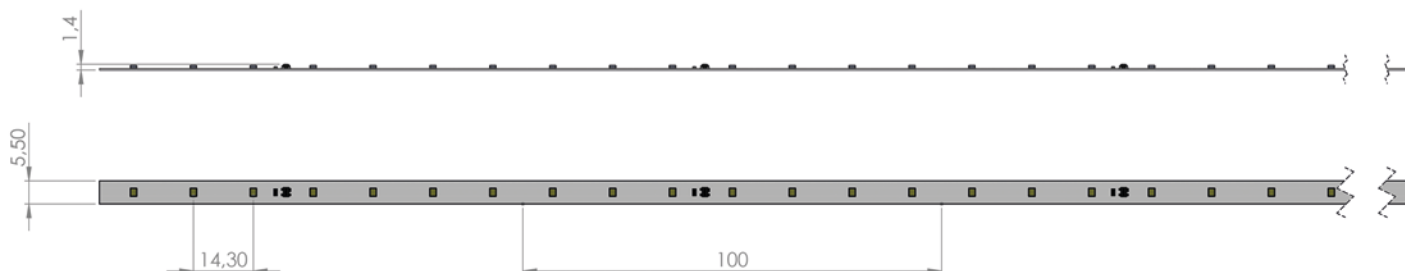
OPTICAL

	unit	Typical			
Led per meter		70			
Led model		2016			
Color rendering index (MIN)	CRI ▲	>80			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm	1500	1550	1700	1840

MECHANICALS

	unit	Typical
Width	mm	5,5
Lenght	mt	5
Cutting unit	cm	10
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS535

DDS535_ K_ CRI

3,3 cm	5 mt	14,4 W mt	on board	24V	3014

Gold plated PAD	A + +	118 lm/W	CRI>95	R9>80

DDS535 is a 14W meter led strip with 210 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs whit high CRI and high R9, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface.

All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

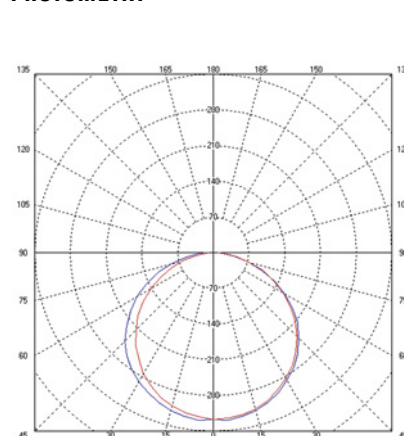|	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	3
Total power	W	72
Current per meter	A	0,6
Power per meter	W	14,4
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7
3K
4K
5K

OPTICAL

	unit	Typical		
Led per meter		210		
Led model		3014		
Color rendering index (MIN)	CRI ▲	95 - r9=80		
Light emission angle		120		

	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	1500	1680	1700	1710

MECHANICALS

	unit	Typical
Width	mm	5,5
Lenght	mm	5000
Cutting unit	mm	33,3
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS605

DDS605_ K_ CRI

5 cm	5 mt	20 W mt	on board	24V	2835

Gold plated PAD	A + +	160 lm/W	CRI>90

CRI

DDS605 is a 20W meter led strip with 140 led 2835 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

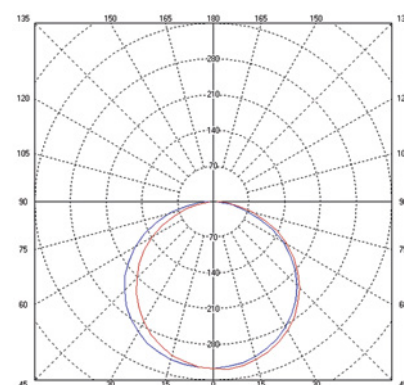|	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current		
Total power	W	4
Current per meter	A	0,82
Power per meter	W	20
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7

3K

4K

5K

OPTICAL

	unit	Typical		
Led per meter		140		
Led model		2835		
Color rendering index (MIN)	CRI ▲	90		
Light emission angle		120		

	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm	2600	2700	3000	3200

MECHANICALS

	unit	Typical
Width	mm	10
Lenght	mt	5
Cutting unit	cmt	11
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS653
DDS653_ K_ CRI
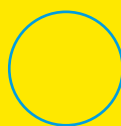
20,8 cm	3 mt	50 W mt	on board	24V	2008

|			
Gold plated PAD	A + +	106 lm/W	CRI>80

DDS653 is a 50W meter led strip with 336 led per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.
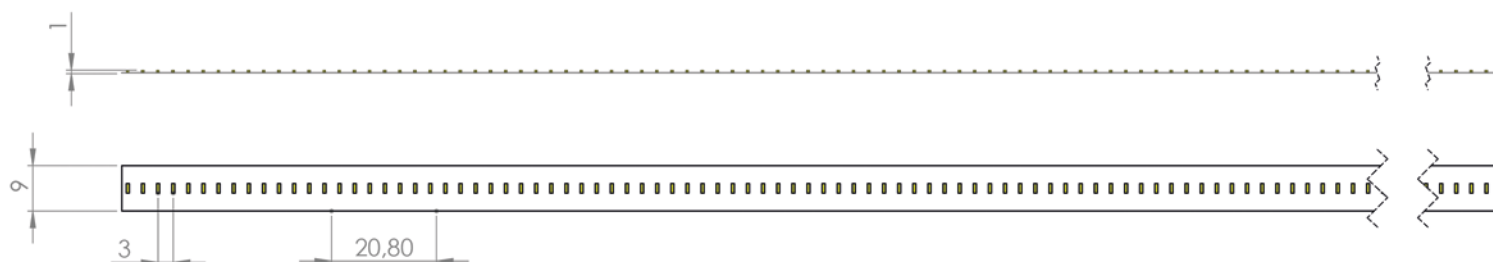
TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	6,2
Total power	W	150
Current per meter	A	2,08
Power per meter	W	50
THERMAL		
Operating Temperature TC	C°	60
Life Time (25C° PCB surface)	h/24	30000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7
3K
4K
5K
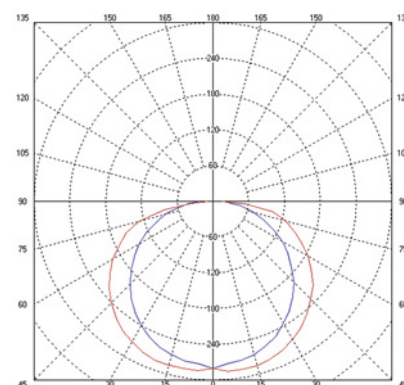
	unit	Typical
OPTICAL		
Led per meter		336
Led model		603
Color rendering index (MIN)	CRI ▲	>80
Light emission angle		120

	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	5000	5100	5200	5300

	unit	Typical
MECHANICALS		
Width	mm	10
Lenght	mt	3
Cutting unit	mm	20
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS551

DDS551_ K_ CRI

|					
3,3 cm	5 mt	28,8 W mt	on board	24V	3014
Gold plated PAD	A + +	118 lm/W	CRI>95	R9>80	

DDS551 is a 29W meter Tunable White led strip with 210 led 3014 + 210 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs whit hig CRI and hig R9, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface.

All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.
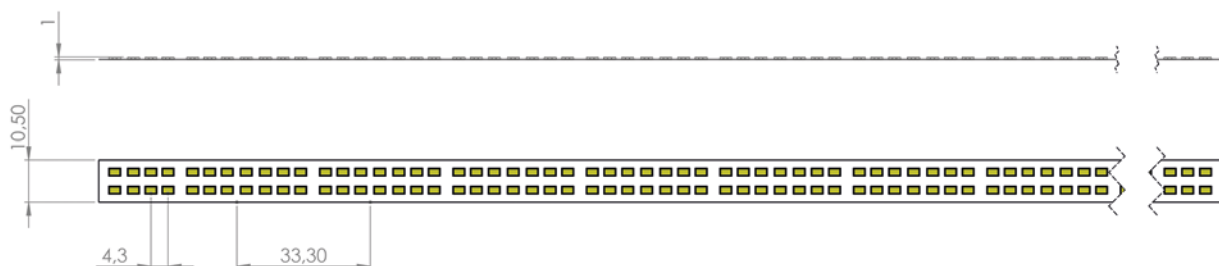
TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	6
Total power	W	144
Current per meter	A	1,2
Power per meter	W	28,8
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7

3K

4K

5K

10,50

4,3   33,30
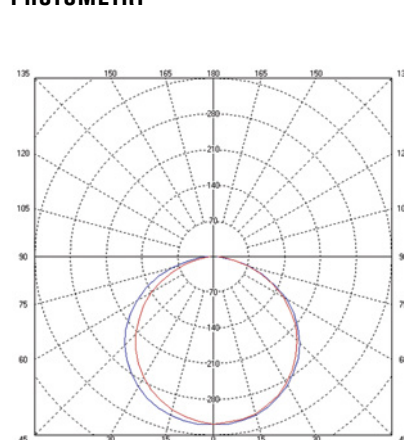
	unit	Typical
OPTICAL		
Led per meter		210+210
Led model		3014
Color rendering index (MIN)	CRI ▲	>95 - r9=80
Light emission angle		120

	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	1500	1550	1600	1650

	unit	Typical
MECHANICALS		
Width	mm	10,5
Lenght	mt	5
Cutting unit	mm	33
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS552-SIDE
DDS552-SIDE_ K_ CRI

9,6 cm	5 mt	4,8 W mt	on board	24V	3014 side

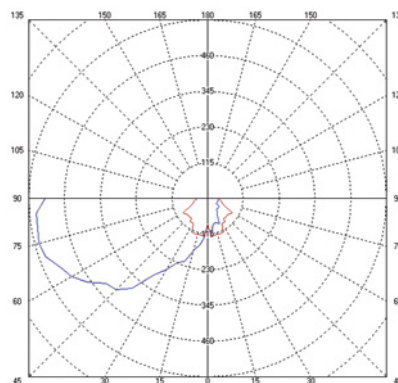| Gold plated PAD	A + +	100 lm/W

DDS552-SIDE is a 4,8 W meter led strip with 70 led 3014 SIDE Emitting per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	1
Total power	W	24
Current per meter	A	0,2
Power per meter	W	4,8
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7
3K
4K
5K

OPTICAL

	unit	Typical			
Led per meter		70			
Led model		3014 - SIDE			
Color rendering index (MIN)	CRI ▲	80			
Light emission angle		side 120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	420	430	440	480

MECHANICALS

	unit	Typical
Width	mm	5,5
Lenght	mt	5
Cutting unit	cmt	9,6
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS532

DDS532

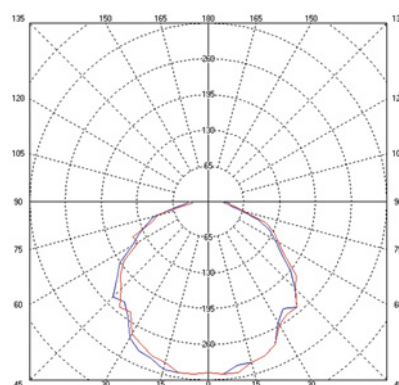| 10 cm | 5 mt | 14,4 W mt | on board | 24V | 3528 |

Gold plated PAD   A + +

DDS532-DMX is a 14,4 W meter led strip with 50 led RGB 3528 per meter. To produce our indoor flexible LED strips, we use high quality RGB LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.
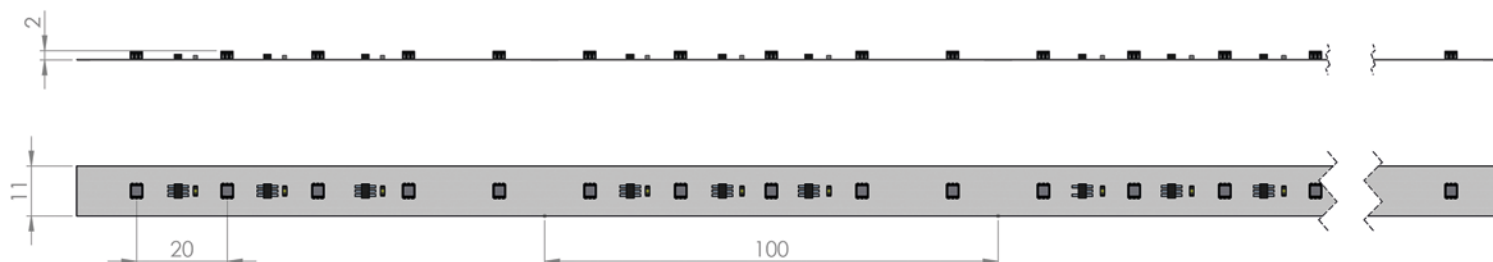
TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	3
Total power	W	72
Current per meter	A	0,6
Power per meter	W	14,4
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

TEMPERATURE OPTIONS

RGB

	unit	Typical
OPTICAL		
Led per meter		50
Led model	RGB	3528
Light emission angle		120
Luminous efficiency	W/m	32
Luminous intensity per meter/Red	cd/mt	32,5
Luminous intensity per meter/Green	cd/mt	95
Luminous intensity per meter/Blu	cd/mt	19

	unit	Typical
MECHANICALS		
Width		
Lenght		
Cutting unit		
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS532-DMX
DDS532-DMX

10 cm	5 mt	14,4 W mt	on board	24V	3528

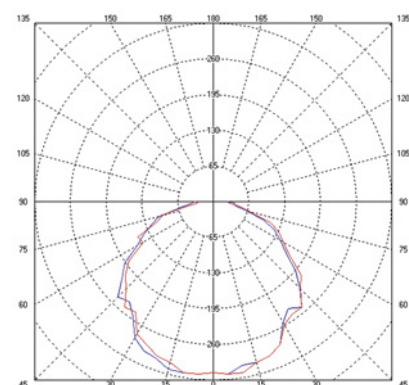|		
Gold plated PAD	A + +	DMX/RDM on board

DDS532-DMX is a 14,4 W meter led strip with 50 led RGB 3528 per meter and DMX/RDM controller embedded. To produce our indoor flexible LED strips, we use high quality RGB LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface.

All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current 5 meter	A	3,1
Total power	W	74,4
Current per meter	A	0,6
Power per meter	W	14,4
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

TEMPERATURE OPTIONS

RGB

	unit	Typical
OPTICAL		
Led per meter		50
Led model	RGB	3528
Light emission angle		120
Luminous efficiency	W/m	32
Luminous intensity per meter/Red	cd/mt	32,5
Luminous intensity per meter/Green	cd/mt	95
Luminous intensity per meter/Blu	cd/mt	19

	unit	Typical
MECHANICALS		
Width	mm	11
Lenght	mt	5
Cutting unit	cmt	10
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS554
DDS5554_ K

|					
7,75 cm	5 mt	28,8 W mt	on board	24V	3014+3528

Gold plated PAD | A + + | CRI>95 | R9>80

CRI R9

DDS554 is a 29W meter RGB- White led strip with 168 led 3014 + 84 led RGB per meter. To produce our indoor flexible LED strips, we use 3-step McAdam and high quality RGB LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface.

All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	6
Total power	W	144
Current per 0,96mt	A	1,2
Power per 0,96mt	W	28,8
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	40000

PHOTOMETRY

☀ TEMPERATURE OPTIONS

2K7
3K
4K
5K
RGB
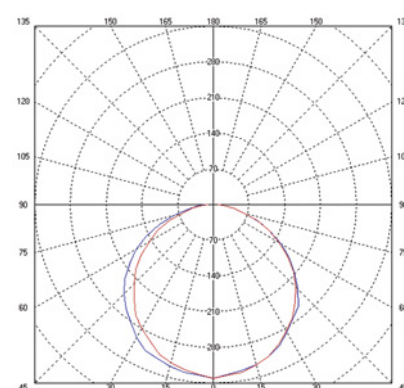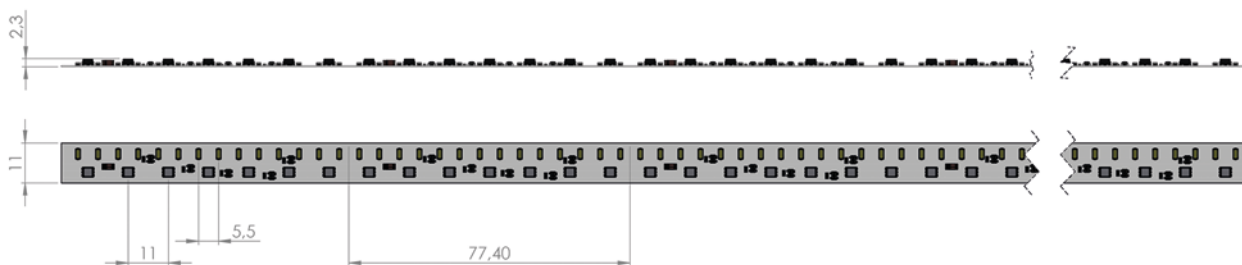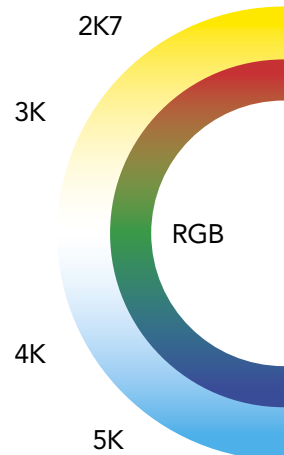
	unit	RGB	WHITE
OPTICAL			
Led per 0,96mt		84	3528
Led model		3528	3014
Color rendering index (MIN)	CRI	>95 - r9=80	
Light emission angle		120	
Luminous efficiency	W/lm	70	
Luminous intensity per meter/Red	cd/mt	59	
Luminous intensity per meter/Green	cd/mt	173	
Luminous intensity per meter/Blu	cd/mt	35	
			3000k°
Led model	lm		1176

	unit	Typical
MECHANICALS		
Width	mm	11
Lenght	mt	4,8
Cutting unit	mm	80
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS737
DDS737

| 11 cm | 5 mt | 13 W mt | on board | 24V | 3528 |

Gold plated PAD | A + +

DDS737 is a 14,4 W meter led strip with 54 led RGB 3528 per meter. DDS737 can be controlled with three wires (two power and one signal). Strip control is done in indipendent section through serial signal, we suggest to use our DDS874 to control this led strip. To produce our indoor flexible LED strips, we use high quality RGB LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	2,7
Total power	W	65
Current per meter	A	0,54
Power per meter	W	13
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY

TEMPERATURE OPTIONS

RGB
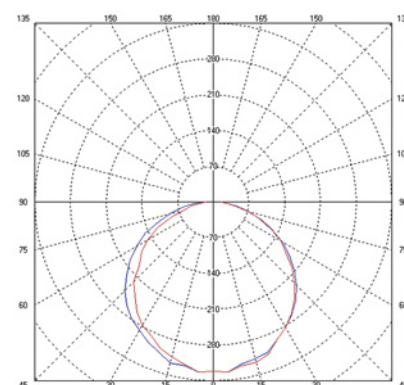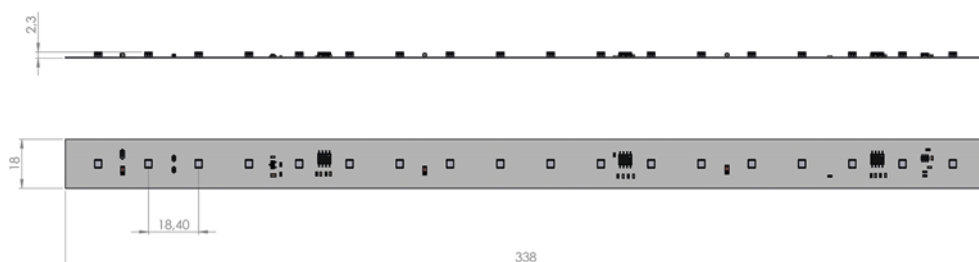
	unit	Typical
OPTICAL		
Led per meter		54
Led model		3528
Light emission angle		120
Luminous efficiency	W/lm	40
Luminous intensity per meter/Red	cd/mt	35
Luminous intensity per meter/Green	cd/mt	103
Luminous intensity per meter/Blu	cd/mt	21

	unit	Typical
MECHANICALS		
Width	mm	18
Lenght	mt	5
Cutting unit	mm	110
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

DDS900-SPI
DDS900-SPI

| 250 cm	5 mt	5,5 W mt	on board	24V	3528

Gold plated PAD | A + +

DDS900-SPI is a 5,5 W meter led strip with 56 led 3528 RGB per meter. DDS900-SPI for MBI use SPI protocol to control each led individually. To produce our indoor flexible LED strips, we use RGB high quality LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to

the mounting suface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	1,1
Total power	W	26
Current per meter	A	0,22
Power per meter	W	5,5
THERMAL		
Operating Temperature TC	C°	75
Life Time (25C° PCB surface)	h/24	55000

PHOTOMETRY

TEMPERATURE OPTIONS

RGB
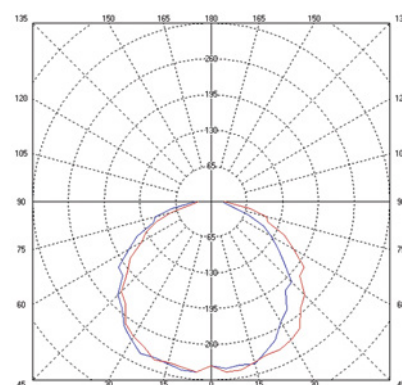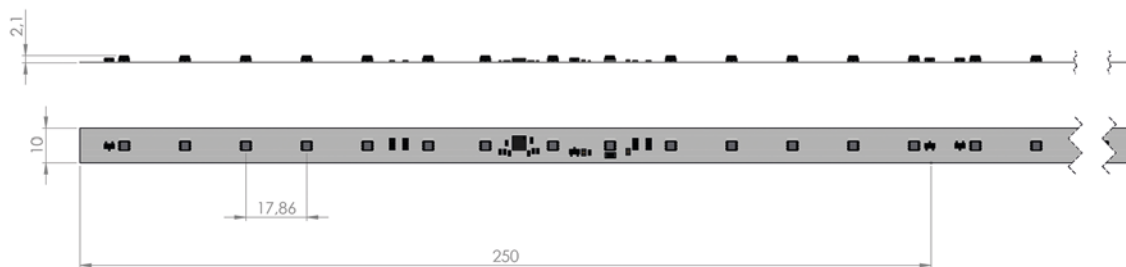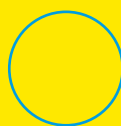
	unit	Typical
OPTICAL		
Led per meter		56
Led model		3528
Light emission angle		120
Pixel per meter		4
Luminous efficiency	W/m	32
Luminous intensity per meter/Red	cd/mt	33
Luminous intensity per meter/Green	cd/mt	55
Luminous intensity per meter/Blu	cd/mt	15

	unit	Typical
MECHANICALS		
Width	mm	10
Lenght	mt	4,5
Cutting unit	mm	250
		Max
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

SILICONE 1515
SILICONE1515_ K_ mt

|					
fix lenght	15 W mt	on board	24V	2835	Gold plated PAD

CRI

A++ | CRI>90

Silicone 1515 it is a silicon rubber tube encapsulating 15W/meter strip led, with IP65 connector male and female depending on request. several lenght are available. 0,5 meter, 1mt, 2mt, 3mt, 4mt, 5mt. Available Color 2k7, 3k, 4k, 5k.

TECHNICAL SPECIFICATION

	unit	Typical
ELECTRICAL		
Power supply	Vdc	24
Total current	A	3,2
Total power	W	75
Current per meter	A	0,6
Power per meter	W	15
THERMAL		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

PHOTOMETRY
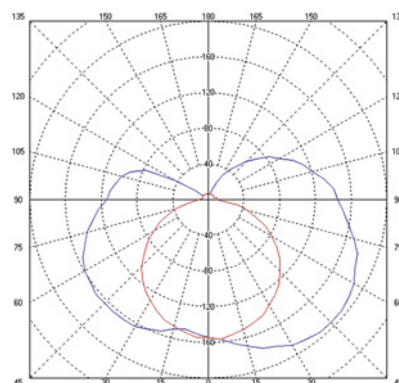
☀ TEMPERATURE OPTIONS

2K7

3K

4K

5K
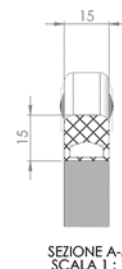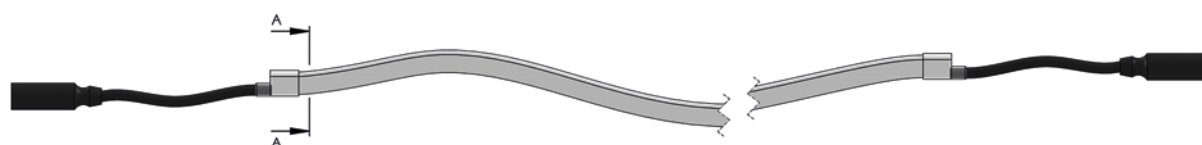
SEZIONE A-A
SCALA 1 : 1

	unit	Typical
OPTICAL		
Led per meter		140
Led model		2835
Light emission angle		140
Luminous efficiency	lm/W	100

	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	900	950	1000	1100

	unit			Typical		
MECHANICALS						
Width	mm			15x15		
Available Lenght	mt	0,5	1	2	3	4	5

HOW TO FILL IN THE PRODUCT CODE?

1 - *code to be completed:*
SILICONE1515_ K _mt

2 - *the item (K) is indicated in the temperature options indicated with the icon* ☀:
DDS738_**3K** _mt

3 - *the item (mt) is indicated in the second row of the MECHANICALS table:*
DDS738_3K_**2mt**

CUSTOM OverFLEXI
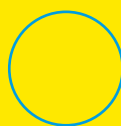
If you are thinking about something you have not seen on these pages, let's talk about it, and then create it together. We are open to design and produce customized solutions

We can design led stri according with customer cut unit request

CRI
Color rendering Index from 80 to >95

We can customize total lenght of led strip or make led strip with customized lenght with connection and cables

R9
We can control R9 in order to give you the best quality of light

Using the latest Leds technology available we can offer best solution in terms of Lumen/W efficiency

DMX/ RDM
DMX embedded addressable through RDM

We can tuning watt/meter power in order to reach customer requests

SPI
SPI embedded to control each single LEDs

Voltage Input customizable from 12V to 48V and more

IP RATE
We can design solution IP20 or SILICONE strip with customized dimensions and shape

We can use all the possible solutions in terms of LEDs, starting from CSP, Flip Chip to Power LEDs

ACCESSORIES
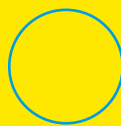
Overled

professional led lighting

MADE IN ITALY

IP20

CE

100 - 240 V~

150 - 300 V=

0.8 - 1.8 A

170 W   176 VA   PF>0.92   ta: 45°

50/60 Hz

POWER SUPPLY
INPUT

L

N

CH4 CH3 CH2 CH1 +24V

PWM

FAILURE   STATUS   POWER OK

OUT
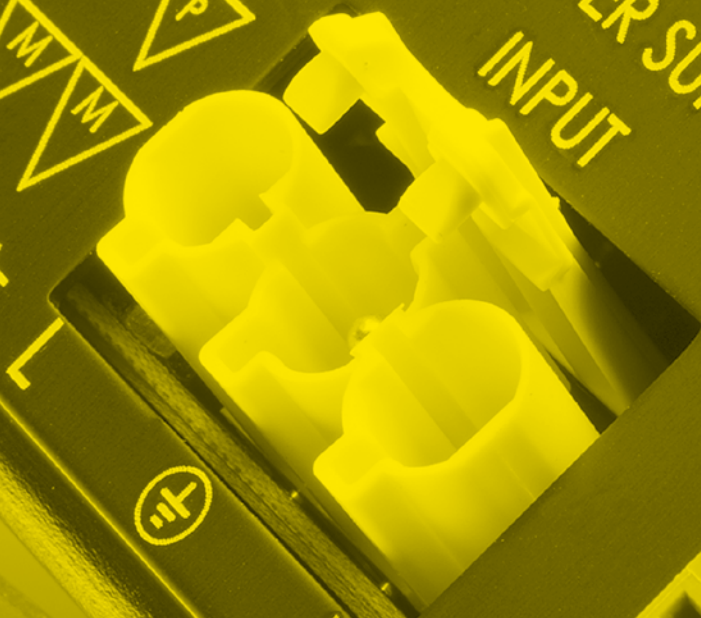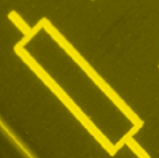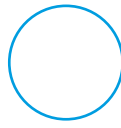
DMX-RDM

DRIVERled

DRIVERled offering is designed for energy efficient, long lasting, high quality, professional lighting applications.

Including dimmable LED drivers, or DMX/RDM dimmable drivers, can be used as part of standalone lighting system or bigger building management systems.

Thanks to DRIVERled technology is possible to dim in PWM (from 100% to 5%) directly to VAC thus avoiding wiring and saving costs.

La gamma di alimentatori DRIVERled è progettata per sistemi di illuminazione professionale per assicurare efficienza energetica e lunga durata del prodotto.

I DRIVERled dimmerabili in PWM o DMX/RDM possono essere usati dai semplici sistemi stand alone fino a sistemi complessi per gestione illuminazione di edifici.

Grazie alla tecnologia DRIVERled è possibile dimmerare in PWM (dal 100% al 5%) direttamente sulla VAC evitando cosi cablaggi e risparmiando costi.

PRODUCT FEATURES

AC INPUT	DMX/ RDM	0/10 V	PWM	REMOTE CONTROL
Voltage Input	Controlled by DMX, addressed through	Dimmable through 0-10V signal	Dimmable through PWM signal	Controlled by IR remote control

Pmax	ONE WIRE	SPI	ART/ NET	
Max Power available	Controlled by One Wire signal	Controlled by Serial protocol	Compatible with ART-NET protocol	
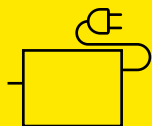
DDS738

DDS738_ V

DDS738 is a Dimmable Power supply for strip led. Dimming is cut phase leading edge or trailing edge. Output signal is PWM that allows to save 0-10V signal, wiring and sapce. All the system work only with DDS738 + Strip led

TECHNICAL SPECIFICATION	unit	Typical
Power supply	Vdc	230
Power input	W	60
Power out 24vdc	A	4
Power out 12Vdc	A	8
Number of channels output		1
Dimmable on trailing/leading edge		IGBT/TRIAC
PWM out		PWM out on phase cut
Operating Temperature	°C	-10 to +54
Relative hunidity		80%
Widht	mm	180x90x38

SIZE

38mm
180mm
90mm
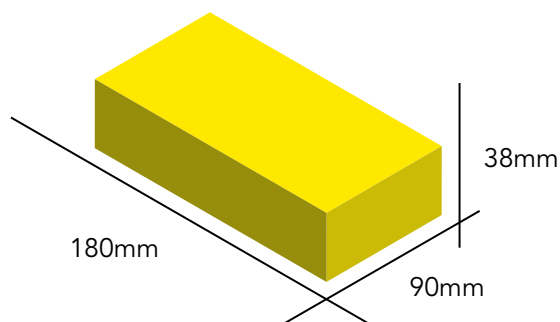
CODE	unit	Typical
DDS738	V	12
DDS738	V	24

HOW TO FILL IN THE PRODUCT CODE?

1 - code to be completed:
DDS738_   V

2 - the item (V) is indicated in the CODE table:
DDS738_**12V**
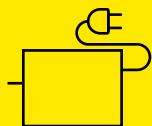
DDS874

DDS874
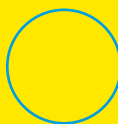
	AC INPUT	DMX/ RDM	PWM	ONE WIRE
	100-265 V	on board	compatible	compatible

DDS874 is a DMX / RDM controller with 4 PWM constant voltage output and two One Wire outputs, (able to control our DDS757 strip led) with 100-260 V input DDS874 total power is 300W, DMX/RDM is optically insulated from power supply
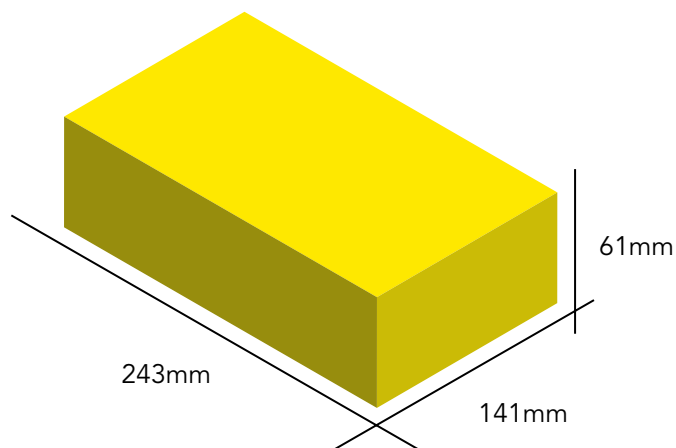
TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATION	unit	Typical
Power supply	Vac or Vdc	100-260 or 300
Power out	W	300
DMX		optonisulated USITT 512
DMX adressing		RDM
Number of channels output		4 max 300W total
Number of one wire output		2 max 300W
Emergency input		1 full output
RDM		RDM 2.0
Operating Temperature	°C	-10 to +54
Relative hunidity		80%
Size	mm	243x141x61

SIZE

61mm

243mm

141mm

GND COM
DIM 0/10V
UP
DOWN

● 14
● 15
● 16
● 17

Enocean
Enocean L
DMX LED

● 18
● 19

everled

+5Vdc IR
IR singal
IR Gnd
DMX B -

● 20
● 21
● 22
● 23

DDS453A

● 1
● 2
● 3
● 4
● 5

● 6 Ch1
● 7 Ch2
● 8 Ch3
● 9 Ch4
● 10 Com

+24-48Vdc
Input 250W

0Vdc
Input

LED OUT

POWER SUPPLY
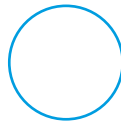
CONTROLLERled

CONTROLLERled is a collection of intelligent solutions for LED based lighting systems.

We develop our technologies in Italy to offer to our customers to deliver the promise of LED lighting: smarter and more efficient systems to achieve the best performance required. All the solutions you will ever need for LED lighting applications.

The CONTROLLERled products cover applications starting from single white colour to RGBW for full-colour entertainment product solutions.

All industry control protocols are covered: DMX/RDM, DALI, SPI, 1-10V, PWM you'll not run out of control with CONTROLLERled.

CONTROLLERled è una gamma di sistemi di controllo per i sistemi di illuminazione a led.

Sviluppiamo la nostra tecnologia nella nostra sede Italiana per offrire ai nostri clienti soluzioni che rendano i loro sistemi di illuminazione più intelligenti ed efficienti e raggiungere il massimo livello di prestazioni possibile.

La gamma CONTROLLERled copre applicazioni che vanno dal semplice controllo della luce bianca fino a controlli per illuminazione RGBW.

Tutti i protocolli di controllo sono previsti: DMX/RDM, DALI, SPI, 1-10V, PWM

PRODUCT FEATURES

AC INPUT	DMX/ RDM	0/10 V	PWM	REMOTE CONTROL
Voltage Input	Controlled by DMX, addressed through	Dimmable through 0-10V signal	Dimmable through PWM signal	Controlled by IR remote control

Pmax	ONE WIRE	SPI	ART/ NET	
Max Power available	Controlled by One Wire signal	Controlled by Serial protocol	Compatible with ART-NET protocol	
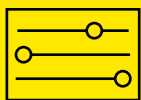
DDS344

DDS344
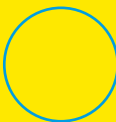
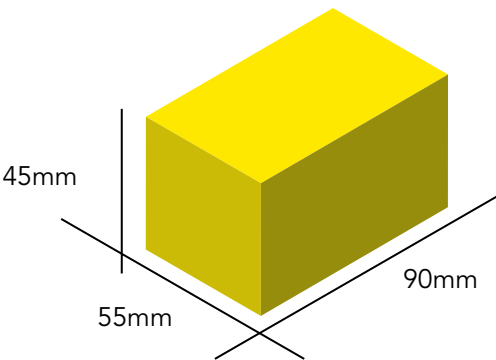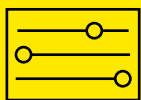|	AC INPUT	DMX/ RDM	0/10 V	PWM	Pmax
	12-24 V	on board	compatible	compatible	144W

DDS344 is a DMX/RDM controller, 0-10V or potentiometer with 3 outputs in constant voltage and low voltage input. DDS344 is produced in DIN rail mounting case with screw terminal connection.

TECHNICAL SPECIFICATION	unit	Typical
Power supply	Vdc	24
Total current	A	6
Total power	W	144
DMX/RDM		not insulated
Number of Chanel		3 open drain Mosfet
RDM		RDM 2.0
Operating Temperature	°C	-10 to +54
Relative hunidity		70%
Storage Temperature	Tst	-20 to +85
DIN bar mounting	mm	55x90x45

SIZE

45mm

55mm

90mm

DDS453-B
DDS453-B_ W_ IR
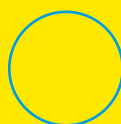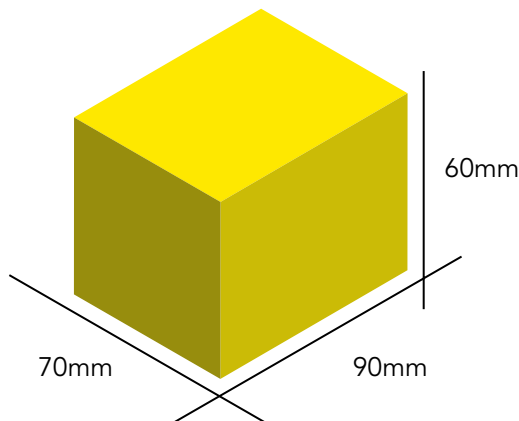
AC INPUT	DMX/RDM	0/10 V	PWM	REMOTE CONTROL
24-48 V	on board	compatible	compatible	compatible

Pmax

550W

DDS453-B is a DMX/RDM controller, or Infrared remote controller with 4 outputs in constant voltage (or constant current).

TECHNICAL SPECIFICATION	unit	Typical
Power supply	Vdc	24-48
Power out (in voltage mode)	W	550
Power out (in current mode)	W	120
DMX		not insulated
DMX adressing		self addressing or RDM
Number of channels output		4
RDM		RDM 2.0
Operating Temperature	°C	-10 to +54
Relative hunidity		70%
Storage Temperature	Tst	-20 to +85
DIN bar mounting	mm	70x90x60

SIZE

60mm
70mm
90mm

HOW TO FILL IN THE PRODUCT CODE?

DDS453-B-V (voltage output mode)

DDS453-B-I (current output mode)

DDS453-B-xx-IR (Remote control option)
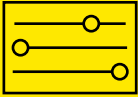
DDS555

DDS555
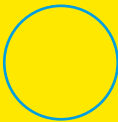
|	AC INPUT	DMX/ RDM	0/10 V	PWM	REMOTE CONTROL
	12-24 V	on board	xxxxx	compatible	compatible

Pmax

130W

DDS555 is a DMX/RDM controller, IR remote controller with 3 outputs in constant voltage and low voltage input. DDS555 is produced in OEM board with fast terminal connection.
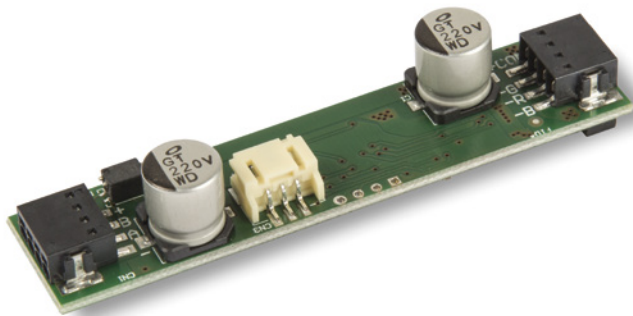
TECHNICAL SPECIFICATION	unit	Typical
Power supply	Vdc	24
Total power	W	150
DMX		USITT 512
RDM		RDM 2.0
Number of channels output		3 open Drain mosfet
OEM module		
Operating Temperature	°C	-10 to +54
Relative hunidity		70%
Storage temperature	Tst	-20 to +85

SIZE

80mm
16mm
18mm
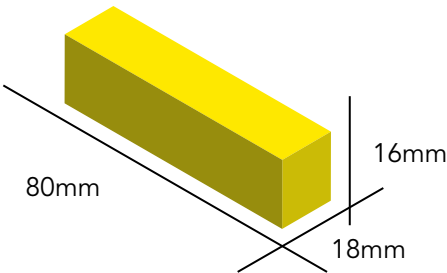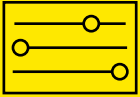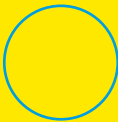
DDS643
DDS643

DDS643 is a DMX Generator able to control small and medium installation. DDS643 has manual color selection or preprogrammed show. DDS643 it also has a dedicated area to manage dynamic white (2700K-6500K). This DMX generator is designed to work automatically with our DMX/RDM controller DDS344 and DDS453.

| TECHNICAL SPECIFICATION	unit	Typical
Power supply	Vdc	9-24
Total power	W	100
DMX		512usitt
DMX adressing		auto addressing DDS344/DDS453
Number of channels output		7
Operating Temperature	°C	70
Relative hunidity		80%

SIZE

28mm
120mm
90mm
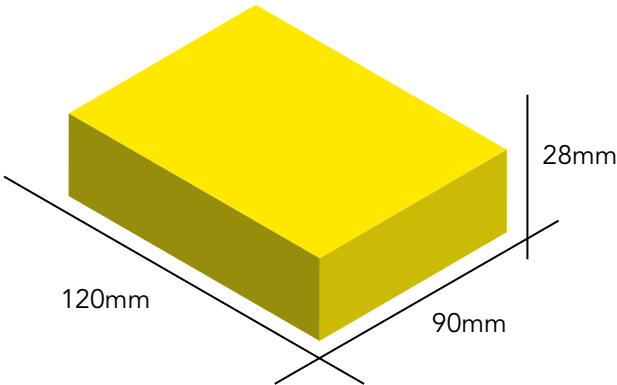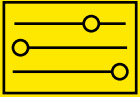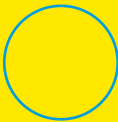
DDS870

DDS870

DDS870 is a DMX/RDM controllerwith 4 outputs in constant voltage and low voltage input. DDS870 is produced plastic case with fast terminal connection.

TECHNICAL SPECIFICATION	unit	Typical
Power supply	Vdc	24-48
Total power	W	8,1A @48V 390W
DMX		USITT 512
DMX adressing		RDM
Number of channels output		4
PWM		16Bit logarithm curve
Operating Temperature	°C	-10 to +54
Relative hunidity		70%
Widht	mm	83x19x30

SIZE

30mm

83mm

19mm
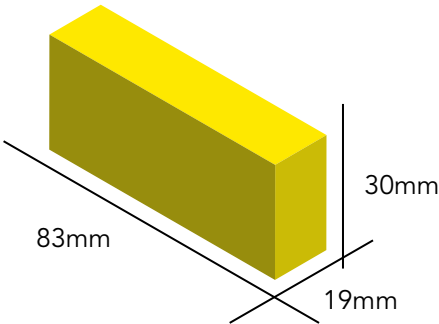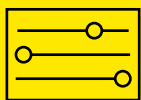
T-REX PRO

T-REX PRO
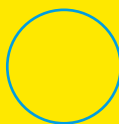
AC INPUT	DMX/ RDM	SPI	ART/ NET
90-264 V	on board	compatible	compatible

This product is suited for application in video Wall or for a large number of universe application, this unit receive ART and convert to serial mode, using CK and DATA in synchronous mode, this allow very fast communication between led driver. T-Rex Pro have 8 channel, capable to drive up to 1024 RGB pixel each output, at very high speed, the synchronous signal is amplified by luminaire and it is also self addressed by each light segment connected. The power supply for the luminaire must applied externally and can be from 12 up to 48 vdc. The distance from T-Rex Pro and luminaire must be less then 15 mt., a female IP67 M12 connector is provided for the output a 3 pole for power supply (100-260vac, or 350 vdc max.).
Skin top for Ethernet cable is provided for connection to network at 100mb, graphic display is for setting and luminaire verification.

TECHNICAL SPECIFICATION

8 synchronous port

max 1024 RGB pixel per port

Total pixel per unit 8192

Total DMX address 24576

Total universe per T-Rex Pro 48

Ethernet 100mb interface

ART NET compatible

Video RAPTOR compatible (video converter to ART NET 3000 DMX universe) - all Artnet sw

Power supply 100-260vac 50-60hz 150-350vdc 30W
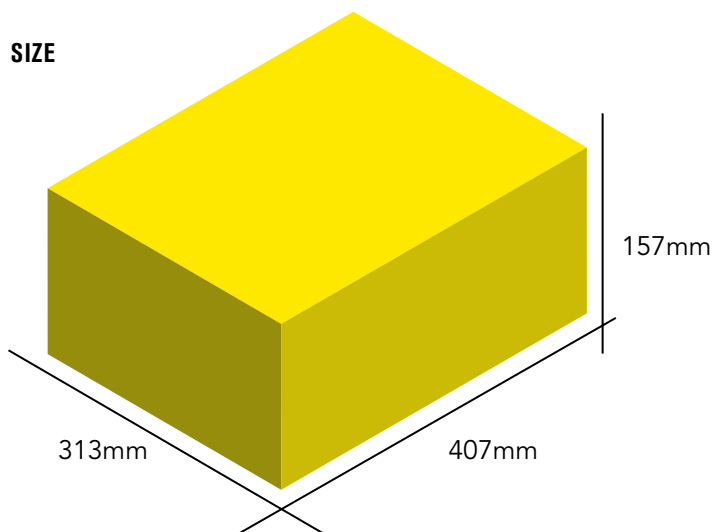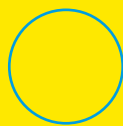
IP rating 65

Display setting

Refresh rate 60 fps max

T-REX PRO

Operating temperature -20 up to + 80

Die cast aluminium box ip 65, very robust

SIZE

157mm

313mm

407mm

NOTE

cocchi&cocchi

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