



LED LINEAR & SYSTEMS  
LUMINAIRES

advanced systems



**SCORRENTE**  
TECHNICAL SPECIFICATION DATA

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# SCORRENTE

monochromatic & RGB - circuit dimmable

Ø22 502 / 1002 / 1502 / 2002 / 3002

Energy Saving Technology

Green Energy Technology

LED Lamp Type Technology

28W Wattage - Per Metre [max] dimmable

24V Voltage dc - direct current only

Gear PSU Remote

100 Lumens / Watt value - Cool White

93% CRI - Index value - Warm White

IP67 IP Rating Interior Use

Insulation Class 3 - SELV

IK 10 IK Vandal Rating

20J Impact Rating joules

300Kg Stress Load Kg

0.2kg Product Weight Kilograms/per metre

ENEC compliance

CE mark

F - mark fire safe rating

Environmental Technology



## Product Purpose & Meaning

- Scorrente is a mini tubular fitting with the possibility of 45° linear optic - unusual in a fitting of this dimension.
- "Scorrente" [Score-Ren-Tay] from the Italian meaning "flowing" derived from its 'continuous' even illumination nature.

## Product Summary

- Slim 22mm IP67 Power-tube.
- Uniform luminosity with low dot accentuation and close LED pitch spacing.
- 1.2W Power LED's at 5cm pitch spacing or as alternative more uniform 25mm pitch spacing with lower output SMD OSRAM TopLED's.
- Patented ultra shallow 45° linear optic
- For use with beam direction in clear 120°/ satin 180° and unusual 45° optic.
- Dimmable for use with remote PSU.
- Fitting free rotates 360° on fixing clips.

## Applications

- Interior or Exterior linear arrays.
- Building into fabric and furniture, displays, cabinets & freezer chests.
- RGB colour scenes.

## Performance

Lamp Type 1.2W PowerLED's. or SMD SignalLED's in TopLED Mono 0.125W or RGB 0.4W.  
 LED Qty Power - Pitch 5cm [ 20 LED's per metre ]. Signal - Pitch 2.5cm [ 40 LED's per metre ]  
 Lamp Source Power - Seoul Semi Conductors - P4 or SMD - Osram TopLED.  
 Lumen Output 110lms - White 5500K PowerLED's.  
 Lamp CRI 93 - White 3000K / 4000K PowerLED's.  
 LED Life 50.000hrs [IEC electronic default].  
 Optic Beams Wide diffuse - 120° clear or 180° - satin or 45° optic distribution.  
 LED Colours Monochromatic Whites & RGB Tri-chip.  
 Working T°C - 30°C / +85°C.

## Electrical Data

Voltage 24Vdc.  
 Load Watts Power - 28W per metre . Signal SMD 4W Mono /12W RGB per metre  
 Load Current 350mA.  
 Supply Cable 0.5M HO5-RNF mono 3 x 0.5mm<sup>2</sup> [RGB 5 x 0.35mm<sup>2</sup>]  
 Remote Gear 24Vdc Power Supply Unit [PSU].  
 Configuration CV [Constant Voltage].  
 Dimming Via a supplied 3rd dimming cable. Interface required.  
 Data Protocol(s) Dimming Via- Push-button [switch] 0-10V analogue DMX or DALI



Colour Consistency : 1 MacAdam Ellipse <100K

IP67

## Description

A tubular surface mounted signal SMD & PowerLED luminaire using patented shallow linear 45° beam optic lens or wide diffuse bare LED's. Diffuser in polycarbonate. Suited to directional adjustable light emission. Linear luminaire supplied in standard lengths of 52, 102, 152, 202, 252 & 302cm. Fitting in slim 22mm diameter with clear or satin frosted diffuse finish. Ideal for linear array lighting internally or externally. Able to be fitted in furnishing, structure, handrails and rebates.

## Construction & Finishes

Extrusion in Polycarbonate. Finished in clear or satin frosted. Mounted on stainless steel surface clips.

## Main Features

- Slim 22mm tube
- High IP67 ingress protection
- Remote PSU for direct 24V supply.

## Mounting

- Mounted on surface clips.
- Supplied with 500mm length of HO5RNF mono 3-core 0.5mm<sup>2</sup> cable.

## Connection Diagrams J & H [RGB]

- Connection is for bulk remote 24Vdc Power Supply [PSU].
- Connection Diagram J [mono] & H [RGB] - Pages 328 - 329.
- See 24Vdc PSU's - Page 330-332.

## Standard Colours

- Warm White - 3000K - CRI = 93%
- Neutral White - 4000K - CRI = 93%
- Cool White - 5500K - CRI = 80%
- RGB Colour Change units for DMX 512 Blending.



LED 24V CONSTANT VOLTAGE DEDICATION



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## Product Order Codes

POWER LEDS - 45°	3000K	4000K	5500K	RGB	PITCH - 5cm	1W PowerLED - 45°																				
SCO.453.52	SCO.454.52	SCO.455.52			1W PowerLED 52cm - 14W 45° Linear Optic	<table border="1"> <thead> <tr> <th>m</th> <th>Ø-m</th> <th>3000K-4000K</th> <th>5500K</th> </tr> </thead> <tbody> <tr> <td>0,5</td> <td>0,08</td> <td>1250</td> <td>2050</td> </tr> <tr> <td>1</td> <td>0,13</td> <td>450</td> <td>820</td> </tr> <tr> <td>2</td> <td>0,25</td> <td>138</td> <td>223</td> </tr> <tr> <td>3</td> <td>0,36</td> <td>68</td> <td>93</td> </tr> </tbody> </table>	m	Ø-m	3000K-4000K	5500K	0,5	0,08	1250	2050	1	0,13	450	820	2	0,25	138	223	3	0,36	68	93
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0,5	0,08	1250	2050																							
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SCO.453.102	SCO.454.102	SCO.455.102			1W PowerLED 102cm - 28W 45° Linear Optic																					
SCO.453.152	SCO.454.152	SCO.455.152			1W PowerLED 152cm - 42W 45° Linear Optic																					
SCO.453.202	SCO.454.202	SCO.455.202			1W PowerLED 202cm - 56W 45° Linear Optic																					
SCO.453.252	SCO.454.252	SCO.455.252			1W PowerLED 252cm - 70W 45° Linear Optic																					
SCO.453.302	SCO.454.302	SCO.455.302			1W PowerLED 302cm - 84W 45° Linear Optic																					

SIGNAL LEDS - CLEAR	3000K	4000K	5500K	RGB	PITCH - 2.5cm	Signal SMD	mono / RGB	Signal SMD - Clear 120°																				
SCO.123.52	SCO.124.52	SCO.125.52	SCO.12C.52		Signal SMD 52cm - 2.5/8W Clear 120°			<table border="1"> <thead> <tr> <th>m</th> <th>Ø-m</th> <th>3000K-4000K</th> <th>5500K</th> </tr> </thead> <tbody> <tr> <td>0,5</td> <td>1,44</td> <td>141</td> <td>291</td> </tr> <tr> <td>1</td> <td>2,90</td> <td>54</td> <td>101</td> </tr> <tr> <td>2</td> <td>5,45</td> <td>13</td> <td>26</td> </tr> <tr> <td>3</td> <td>8,36</td> <td>7</td> <td>11</td> </tr> </tbody> </table>	m	Ø-m	3000K-4000K	5500K	0,5	1,44	141	291	1	2,90	54	101	2	5,45	13	26	3	8,36	7	11
m	Ø-m	3000K-4000K	5500K																									
0,5	1,44	141	291																									
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SCO.123.102	SCO.124.102	SCO.125.102	SCO.12C.102		Signal SMD 102cm - 5/16W Clear 120°																							
SCO.123.152	SCO.124.152	SCO.125.152	SCO.12C.152		Signal SMD 152cm - 7.5/24W Clear 120°																							
SCO.123.202	SCO.124.202	SCO.125.202	SCO.12C.202		Signal SMD 202cm - 10/32W Clear 120°																							
SCO.123.252	SCO.124.252	SCO.125.252	SCO.12C.252		Signal SMD 252cm 12.5/40W Clear 120°																							
SCO.123.302	SCO.124.302	SCO.125.302	SCO.12C.302		Signal SMD 302cm -15/48W Clear 120°																							

SIGNAL LEDS - FROSTED	3000K	4000K	5500K	RGB	PITCH - 2.5cm	Signal SMD	mono / RGB	Signal SMD - 180°																				
SCO.183.52	SCO.184.52	SCO.185.52	SCO.18C.52		Signal SMD 52cm - 2.5/8W Satin 180°			<table border="1"> <thead> <tr> <th>m</th> <th>Ø-m</th> <th>3000K-4000K</th> <th>5500K</th> </tr> </thead> <tbody> <tr> <td>0,5</td> <td>2,18</td> <td>112</td> <td>202</td> </tr> <tr> <td>1</td> <td>3,63</td> <td>36</td> <td>76</td> </tr> <tr> <td>2</td> <td>7,14</td> <td>8</td> <td>14</td> </tr> <tr> <td>3</td> <td>12,6</td> <td>1</td> <td>2</td> </tr> </tbody> </table>	m	Ø-m	3000K-4000K	5500K	0,5	2,18	112	202	1	3,63	36	76	2	7,14	8	14	3	12,6	1	2
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retail & leisure

# LED LINEAR SYSTEMS

retail & leisure

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## NEON TYPE

MONO - 5W Page 133



NEON LEDLINE - mono

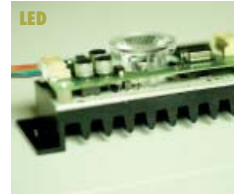
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NEONLEDLINE - RGB

## LINKS & CHAINS

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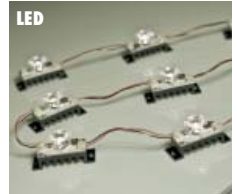
ARCHILED LINKS - Chaser

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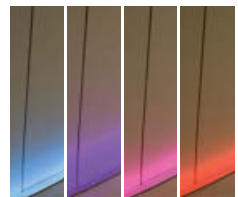
ARCHILED LINKS - mono

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## TUBULAR

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SCORRENTE

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AMBIENTALE

## FLEXIBLE CONTINUOUS

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STRIPIED FLEXI - mono

Page 123 6W - RGB



STRIPIED FLEXI - RGB

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SIDELED mono & RGB

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GLASS SHELVING

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BAR

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LANDSCAPE

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CEILING ALCOVES

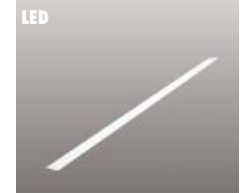
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RGB COLOUR CHANGE

## IN-GROUND MARKER

Page 139 3.5W MONO



XACOTO

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AIRPORT FLOORING