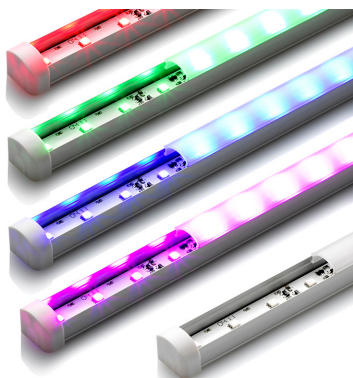


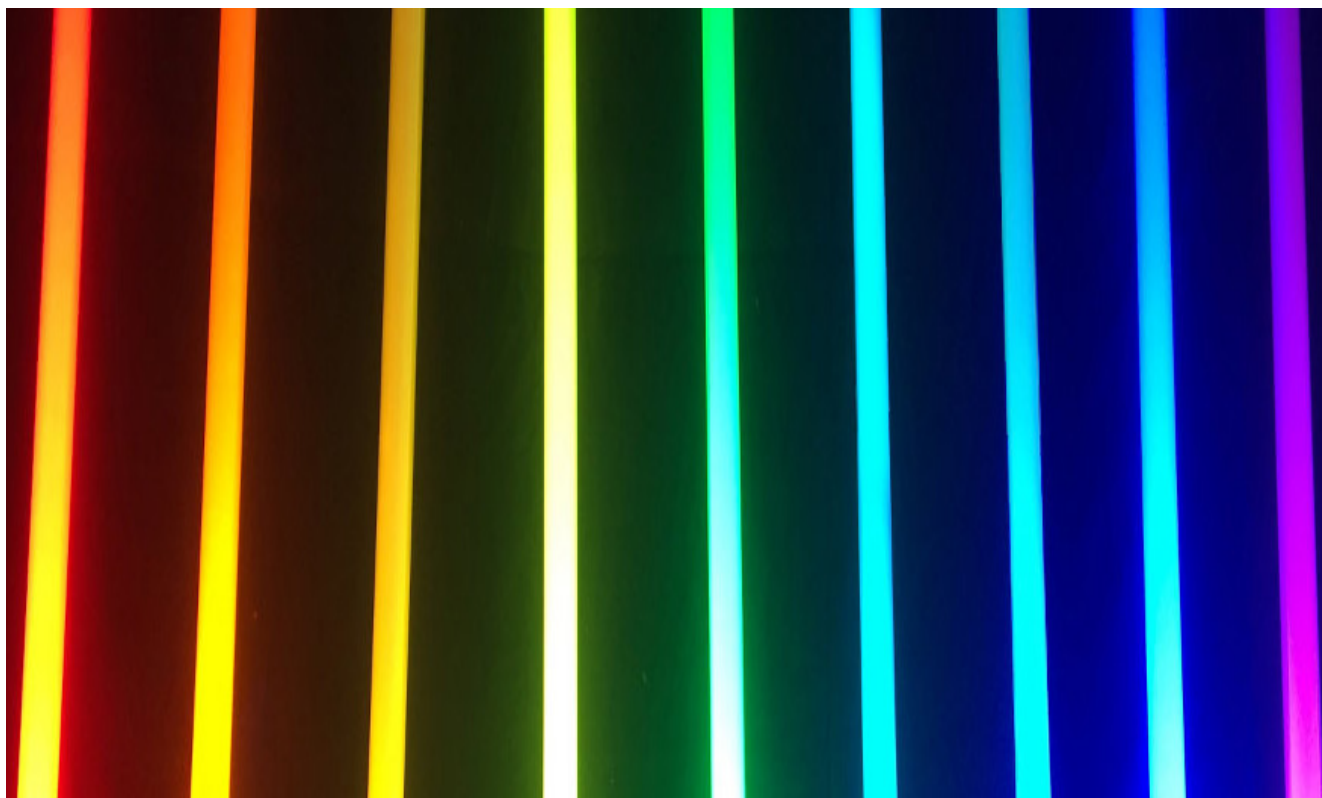


## LIGHT STICK COLOR

Iluminación lineal de color de dimensiones reducidas  
Color linear lighting of reduced dimensions

- Luz lineal
- Iluminación de color
- Gran eficiencia
- Fácil instalación y dimerizable
- Dimensiones reducidas

- Linear light
- Color lighting
- High-efficiency
- Easy installation and dimmable
- Small dimensions





# LIGHT STICK COLOR

## DESCRIPCIÓN | DESCRIPTION

La gama Light Stick de SAKMA para soluciones de iluminación lineal.

Tiene una estructura de aluminio anodizado con un panel frontal de policarbonato, adecuado para uso en exteriores con IP65.

Luz RGB para crear diferentes efectos.

Perfecto para iluminar estanterías, mostradores, muebles comerciales... con un coste de mantenimiento reducido y un importante ahorro de energía.

The SAKMA Light Stick range for linear lighting solutions. It has an anodized aluminum structure with polycarbonate front panel, suitable for outdoor use IP65.

RGB light to create different effects.

Perfect for lighting shelves, counters, commercial furniture... with a reduced maintenance cost and significant energy savings.

## CARACTERÍSTICAS TÉCNICAS | TECHNICAL SPECIFICATIONS

| Referencia<br>Reference | Voltaje<br>Voltage<br>V DC | Potencia<br>Power<br>W/m | Color<br>Color             | Flujo<br>Flux<br>lm/m     | Eficiencia<br>Efficiency<br>lm/W | Ángulo<br>Beam<br>°C | Cantidad<br>Number<br>LED/m | Regulación<br>Dimmer |
|-------------------------|----------------------------|--------------------------|----------------------------|---------------------------|----------------------------------|----------------------|-----------------------------|----------------------|
| LLA-ROC-xxx-PNP-xN3     | 24                         | 6,9                      | Rojo Red                   | 305                       | 55                               | 110                  | 54                          | PWM                  |
| LLA-ABC-xxx-PNP-xN3     |                            |                          | Ambar Amber                |                           |                                  |                      |                             |                      |
| LLA-AZC-xxx-PNP-xNY     |                            |                          | Azul Blue                  | 95                        | 14                               |                      |                             |                      |
| LLA-VEC-xxx-PNP-xNY     |                            |                          | Verde Green                | 305                       | 46                               |                      |                             |                      |
| LLA-RGB-xxx-PNP-xN5     |                            | 15                       | R: 623<br>G: 530<br>B: 470 | R: 120<br>G: 260<br>B: 58 | R: 24<br>G: 52<br>B: 12          |                      | 60                          |                      |

## CARACTERÍSTICAS FÍSICAS | PHYSICAL SPECIFICATIONS

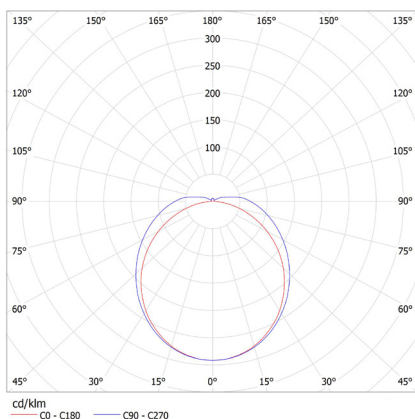
| Referencia<br>Reference | Orientación<br>Orientation<br>° | Temp. trabajo<br>Work temp.<br>°C | Temp. stock<br>Stock temp.<br>°C | Dimensiones<br>Dimensions<br>mm | Peso<br>Weight<br>kg/m |
|-------------------------|---------------------------------|-----------------------------------|----------------------------------|---------------------------------|------------------------|
| LLA-RGB                 | Fijo<br>Fixed                   | -20 ~ +45                         | -30 ~ +60                        | Múltipo<br>Multiple<br>100      | 0,145                  |
| LLA-xxC                 |                                 |                                   |                                  | Múltipo<br>Multiple<br>111      |                        |

| Referencia<br>Reference | Protección<br>Protection | Disipación<br>Disipation | Cuerpo<br>Body                           | Acabado<br>Finish                  | Difusor<br>Diffuser                      |
|-------------------------|--------------------------|--------------------------|------------------------------------------|------------------------------------|------------------------------------------|
| LLA-                    | IP40<br>IP65             | Pasiva<br>Passive        | Aluminio anodizado<br>Anodized aluminium | Anodizado plata<br>Silver anodized | Aluminio anodizado<br>Anodized aluminium |

Otras temperaturas de color y CRI bajo pedido | Different colour temperatures and CRI under request

## FOTOMETRÍA | PHOTOMETRY

110°

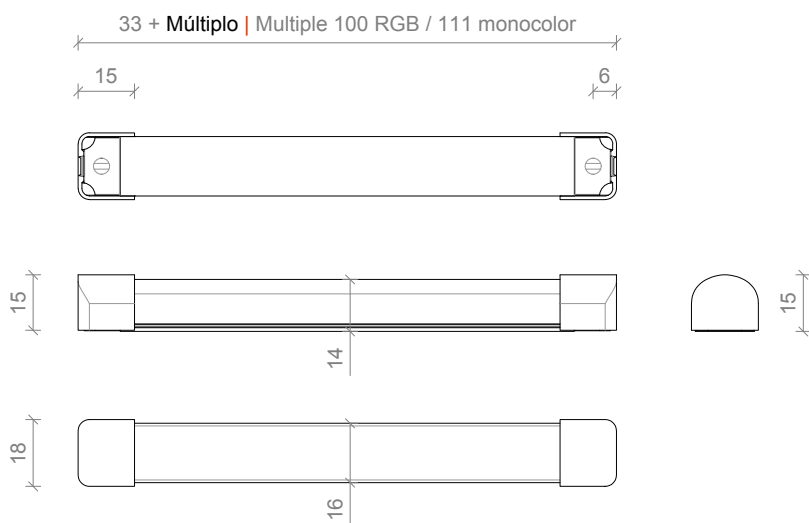




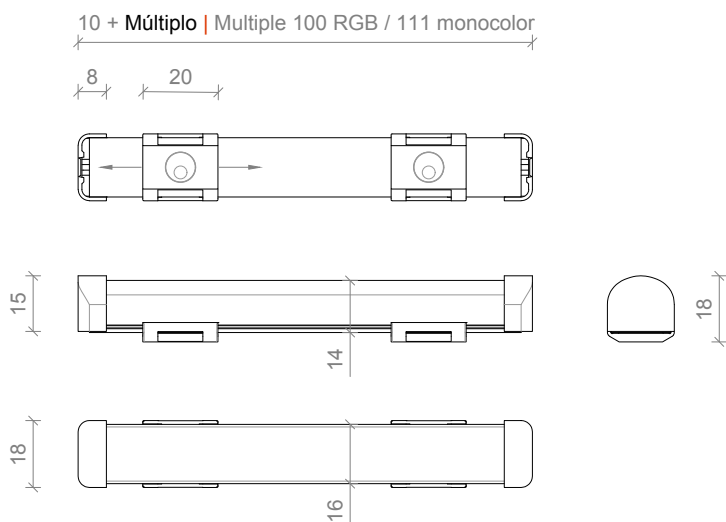
# LIGHT STICK COLOR

DIMENSIONES | DIMENSIONS mm

TIPO | TYPE A



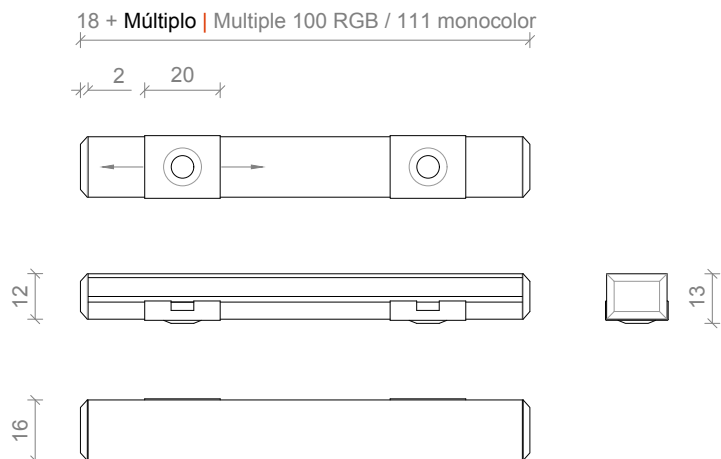
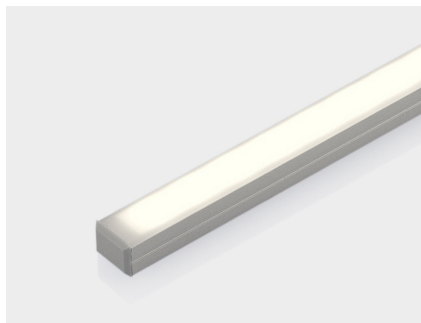
TIPO | TYPE B



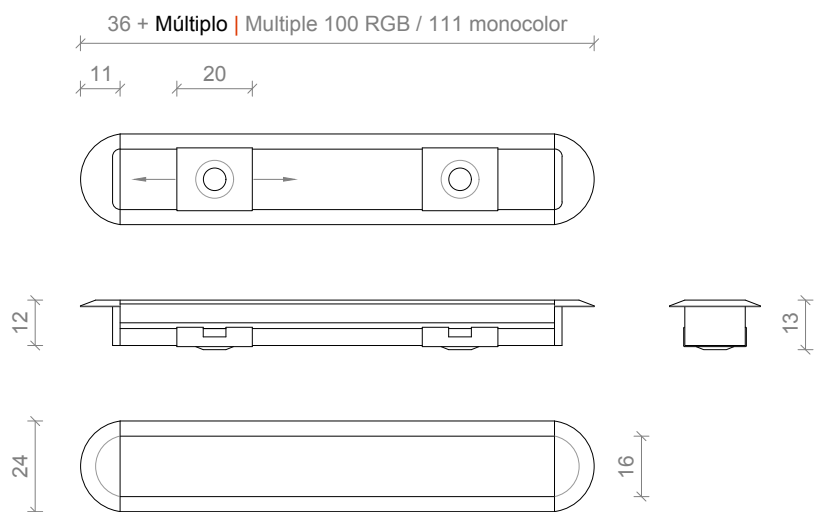
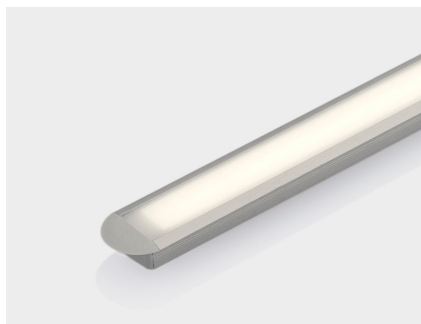


# LIGHT STICK COLOR

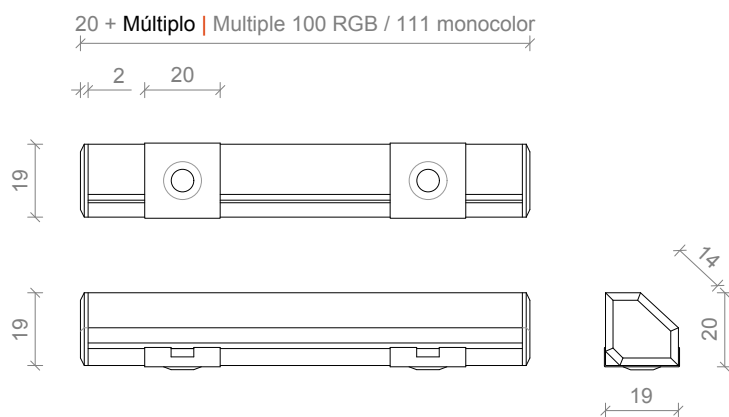
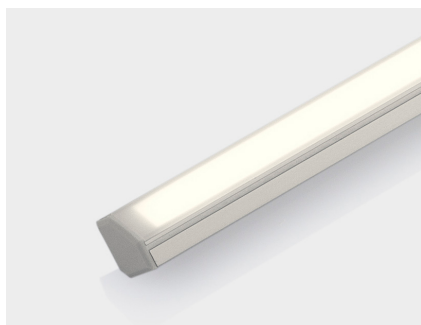
TIPO | TYPE C



TIPO | TYPE D



TIPO | TYPE E

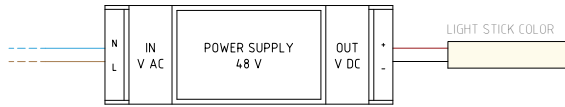




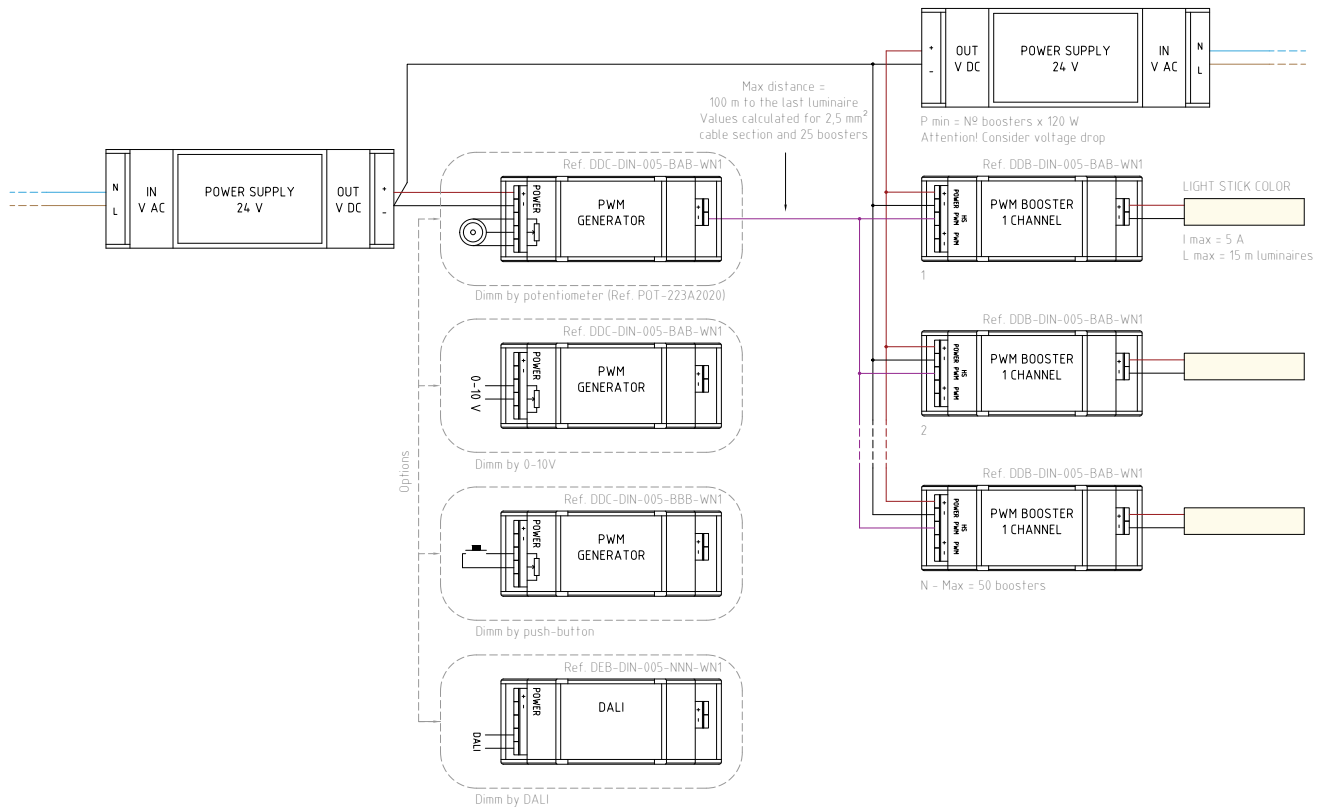
# LIGHT STICK COLOR

## CONEXIONES | CONNECTIONS

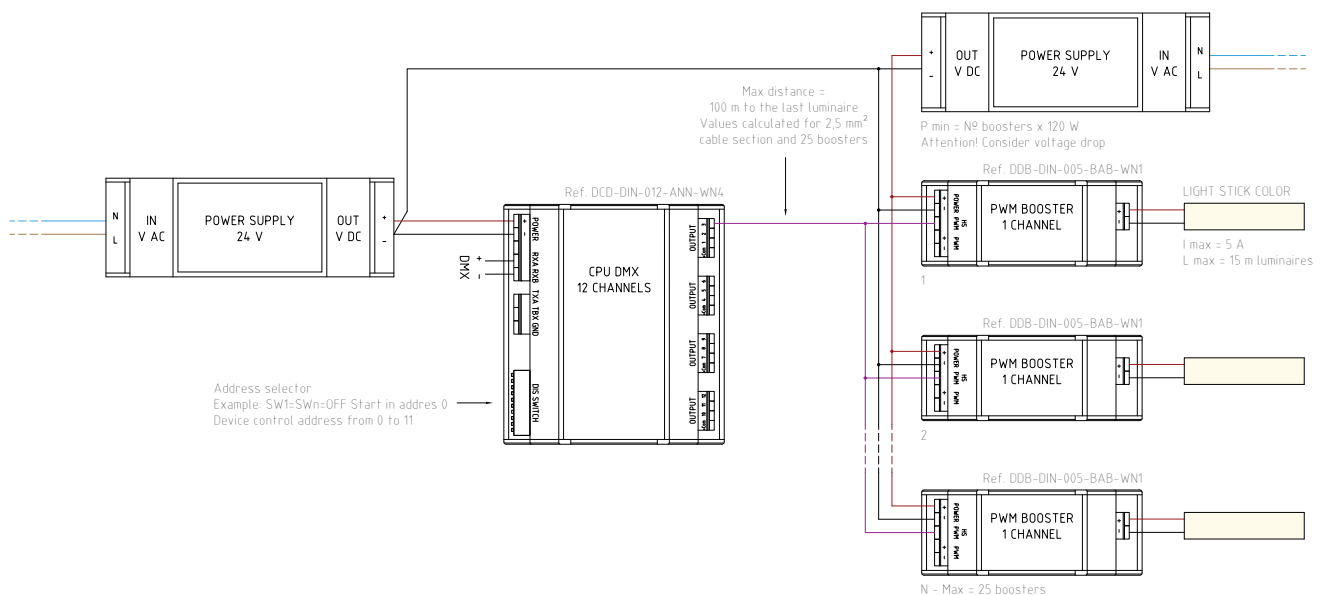
Esquema ON/OFF monocolor (rojo, ambar, verde, azul) | Diagram ON/OFF monocolor (red, amber, green, blue)



Esquema O-10V - PWM - DALI monocolor (rojo, ambar, verde, azul) | Diagram O-10V - PWM - DALI monocolor (red, amber, green, blue)



Esquema DMX monocolor (rojo, ambar, verde, azul) | Diagram DMX monocolor (red, amber, green, blue)



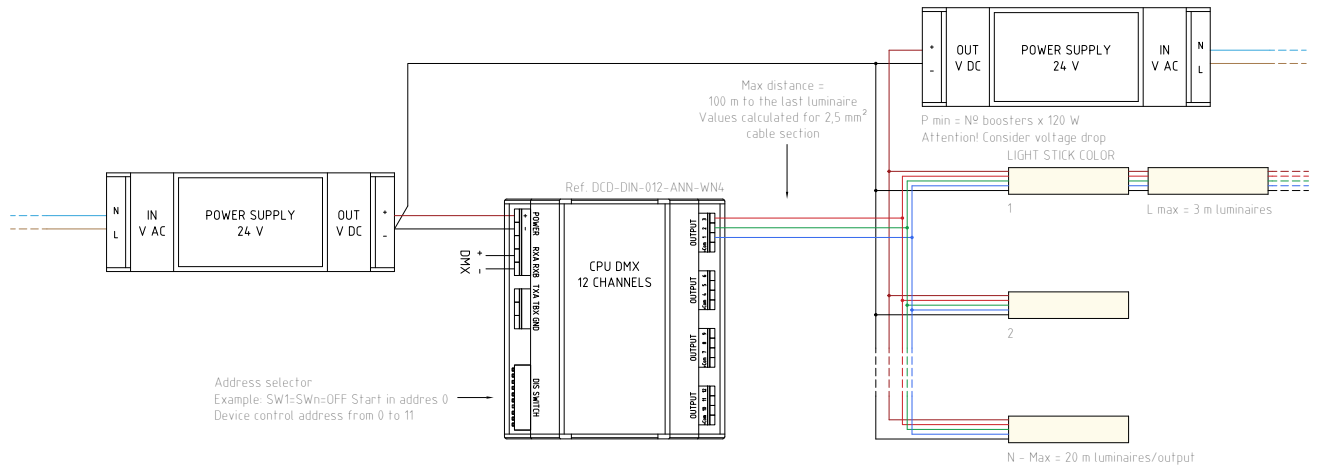


# LIGHT STICK COLOR

## Esquema | Diagram ON/OFF RGB



## Esquema | Diagram DMX RGB





# LIGHT STICK COLOR

## LONGITUDES ESTÁNDAR | STANDARD LENGTHS

### RGB

| Longitud módulos<br>Length modules | Tipo<br>Type<br>A | Tipo<br>Type<br>B | Tipo<br>Type<br>C | Tipo<br>Type<br>D | Tipo<br>Type<br>E |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 100                                | 133               | 110               | 118               | 136               | 120               |
| 200                                | 233               | 210               | 218               | 236               | 220               |
| 300                                | 333               | 310               | 318               | 336               | 320               |
| 400                                | 433               | 410               | 418               | 436               | 420               |
| 500                                | 533               | 510               | 518               | 536               | 520               |
| 600                                | 633               | 610               | 618               | 636               | 620               |
| 700                                | 733               | 710               | 718               | 736               | 720               |
| 800                                | 833               | 810               | 818               | 836               | 820               |
| 900                                | 933               | 910               | 918               | 936               | 920               |
| 1000                               | 1033              | 1010              | 1018              | 1036              | 1020              |
| 1100                               | 1133              | 1110              | 1118              | 1136              | 1120              |
| 1200                               | 1233              | 1210              | 1218              | 1236              | 1220              |
| 1300                               | 1333              | 1310              | 1318              | 1336              | 1320              |
| 1400                               | 1433              | 1410              | 1418              | 1436              | 1420              |
| 1500                               | 1533              | 1510              | 1518              | 1536              | 1520              |
| 1600                               | 1633              | 1610              | 1618              | 1636              | 1620              |
| 1700                               | 1733              | 1710              | 1718              | 1736              | 1720              |
| 1800                               | 1833              | 1810              | 1818              | 1836              | 1820              |
| 1900                               | 1933              | 1910              | 1918              | 1936              | 1920              |
| 2000                               | 2033              | 2010              | 2018              | 2036              | 2020              |

### Monocolor (rojo, ambar, verde, azul) | Monocolor (red, amber, green, blue)

| Longitud módulos<br>Length modules | Tipo<br>Type<br>A | Tipo<br>Type<br>B | Tipo<br>Type<br>C | Tipo<br>Type<br>D | Tipo<br>Type<br>E |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 111                                | 144               | 121               | 129               | 147               | 131               |
| 222                                | 255               | 232               | 240               | 258               | 242               |
| 333                                | 366               | 343               | 351               | 369               | 353               |
| 444                                | 477               | 454               | 462               | 480               | 464               |
| 555                                | 588               | 565               | 573               | 591               | 575               |
| 666                                | 699               | 676               | 684               | 702               | 686               |
| 777                                | 810               | 787               | 795               | 813               | 797               |
| 888                                | 921               | 898               | 906               | 924               | 908               |
| 999                                | 1032              | 1009              | 1017              | 1035              | 1019              |
| 1110                               | 1143              | 1120              | 1128              | 1146              | 1130              |
| 1221                               | 1254              | 1231              | 1239              | 1257              | 1241              |
| 1332                               | 1365              | 1342              | 1350              | 1368              | 1352              |
| 1443                               | 1476              | 1453              | 1461              | 1479              | 1463              |
| 1554                               | 1587              | 1564              | 1572              | 1590              | 1574              |
| 1665                               | 1698              | 1675              | 1683              | 1701              | 1685              |
| 1776                               | 1809              | 1786              | 1794              | 1812              | 1796              |
| 1887                               | 1920              | 1897              | 1905              | 1923              | 1907              |
| 1998                               | 2031              | 2008              | 2016              | 2034              | 2018              |