

# Ribbon HD 160 LEDs/m

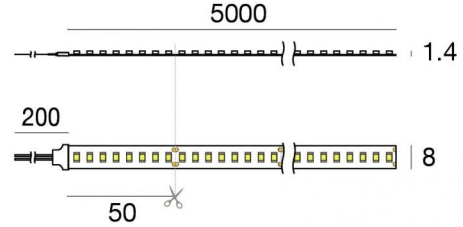


LED Strip | 1 topLED 60 W DC 24 V | 12 W/m  
1434.8 Lm/m | CRI 95

**C00509WHNDI**



Datos técnicos	
Largo	5000 mm
Corte mínimo	50 mm
Tipo	LED Strip
Posición de instalación	Pared - Techo
Ambiente de instalación	Interiores
Fuente de luz	LED
Circuit structure	topLED
Óptica	Difusa
Light emission direction	upward
Potencia nominal	60 W DC
Potencia / m	12 W / m
Flujo luminoso (fuente)	7174 lm
Flujo luminoso (fuente) / m	1434.8 lm / m
Rango de voltaje de entrada	24V
CCT / Tone	4000 K
Índice de rendimientos cromático	95 Ra
C.C. / C.V.	CV
Clase de aislamiento	3
IP	IP20
Test del hilo incandescente	No
Montaje directo sobre superficies normalmente inflamables	Sí
CE	Sí
Driver incluido.	No
Artículo regulable	DALI - 1-10V
Orientabilidad	No
Basculación	No
Practicabilidad	No
Transitabilidad	No
Cable incluido.	Sí
Largo del cable	0.2 m
Resinado	No
Tipología de emisión luminosa	Una emisión
Largo	5000 mm
Peso neto	0.36 Kg
Protección descargas electrostáticas	No
Protección contra sobretensiones	No



## Acabado cuerpo

Material	Tecnopolímero
Color	blanco

## Electrónica

	99331 On/Off Driver 198~264V AC / 176~275V DC 150 W (1 - 2 art.)
	99332 1-10V Controller (1 - 2 art.)
	99374 On/Off Driver 198~264V AC / 176~275V DC 75 W (1 art.)
	83333 Push and Simply Dim - DALI-2 Controller (1 - 2 art.)
	C-E400002 Push and Simply Dim - DALI-2 Controller (1 - 4 art.)

# Ribbon HD 160 LEDs/m



LED Strip | 1 topLED 60 W DC 24 V | 12 W/m | 1434.8 Lm/m | CRI 95  
**C00509WHNDI**

Single emission led strip for indoor application. The natural white LED light source with a diffused light distribution is composed of 800 stripled LEDs with CCT of 4000 K and a CRI 95; the source luminous flux is 7174 lm, with a 119.6 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a white finish. The ingress protection degree is IP20; the total weight is of 0.36 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 60 W. The power supply cable is included and features a 0.2 m length.

The device features protection class III and can be wall lights or ceiling-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.

## Clase de eficiencia energética



Este producto contiene una fuente de luz de clase de eficiencia energética E.

## Características Luminotécnicas

Light Output Ratio (LOR)	100 %
Flujo luminoso (fuente)	7174 lm
Flujo luminoso de luminaria	7174 lm
Consumption	60 W
Rendimiento luminoso de las luminarias	119 lm/W
Temperatura de color	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Índice de rendimientos cromático	95 Ra

Temperatura estándar del ambiente de servicio	-20 / +45°C
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## LED Life / Failure Ratio

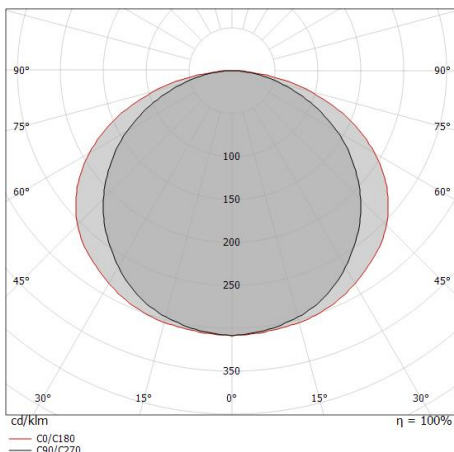
L70 B50 C0 54000h

## UGR

UGR axial	29.6
UGR transversal	31.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

## OPTICAL

Óptica C90/C270	115°
Óptica C0/C180	133°
Light distribution simmetry	Symmetrical 2 assis



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	1.57 2.29	E(0°) 8846 E(C90) 687 E(C0) 285
1.0	3.14 4.58	E(0°) 2212 E(C90) 172 E(C0) 71
1.5	4.71 6.87	E(0°) 983 E(C90) 76 E(C0) 32
2.0	6.28 9.16	E(0°) 553 E(C90) 43 E(C0) 18
2.5	7.85 11.44	E(0°) 354 E(C90) 27 E(C0) 11
3.0	9.42 13.73	E(0°) 246 E(C90) 19 E(C0) 8


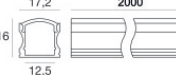





— C0/C180 (Half-peak divergence: 132.8°)  
 — C90/C270 (Half-peak divergence: 115.0°)

# Ribbon HD 160 LEDs/m



LED Strip | 1 topLED 60 W DC 24 V | 12 W/m | 1434.8 Lm/m | CRI 95  
**C00509WHNDI**

## Components

		LUNO_20/27 - Profili   Modular	<b>Code</b> <u>C-K100017</u>
		LUNO_20/27 - Profili   Modular	<b>Code</b> <u>C-K100018</u>
		Rive_17/16 - Profili   Modular	<b>Code</b> <u>C-K100015</u>
		Rive_17/16 - Profili   Modular	<b>Code</b> <u>C-K100016</u>
		Cela_18/18 - Profili   Modular	<b>Code</b> <u>C-K100019</u>
		Cela_18/18 - Profili   Modular	<b>Code</b> <u>C-K100020</u>
		Tabulo_35/14 - Profili   Modular	<b>Code</b> <u>C-K100025</u>
		Fylo+ Recessed_2	<b>Code</b> <u>65007 - 65006</u>

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LED Strip | 1 topLED 60 W DC 24 V | 12 W/m | 1434.8 Lm/m | CRI 95  
**C00509WHNDI**

## Components

		Fylo+ Recessed_1	<b>Code</b> <u>65027 - 65028</u>
		Fylo+ Recessed_4	<b>Code</b> <u>65009 - 65010</u>
		Fylo+ Recessed_5	<b>Code</b> <u>65012 - 65013</u>
		Fylo+ Surface_1	<b>Code</b> <u>65015 - 65016</u>
		Fylo+ Surface_2	<b>Code</b> <u>65018 - 65019</u>
		Fylo+ Surface_4	<b>Code</b> <u>65024 - 65025</u>
		Fylo+ Surface_3	<b>Code</b> <u>65022 - 65021</u>
		Fylo+ Recessed_3	<b>Code</b> <u>65004 - 65003</u>

# Ribbon HD 160 LEDs/m



LED Strip | 1 topLED 60 W DC 24 V | 12 W/m | 1434.8 Lm/m | CRI 95  
**C00509WHNDI**

## Components



Fylo+ Direct\_1

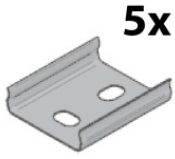
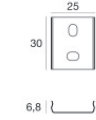

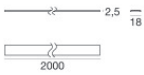












**Code**

65180 - 65181

# Ribbon HD 160 LEDs/m



















Ribbon HD 160 LEDs/m | LED Strip | Accessories  
**C00509WHNDI**

		<p>Muelles para empotrar - 5 piezas</p>	<p><b>Code</b>  <u>98420</u></p>
		<p>Difusor            Tipo de difusor: difusor opalino.            Material:PC, color:opalino.</p>	<p><b>Finish</b>  <u>Opaline</u>      <b>Code</b>  <u>98395</u></p>
		<p>Difusor</p>	<p><b>Code</b>  <u>98941</u></p>
		<p>Difusor</p>	<p><b>Code</b>  <u>98942</u></p>
		<p>Difusor - difusor Opalino</p>	<p><b>Code</b>  <u>98943</u></p>
		<p>Difusor</p>	<p><b>Code</b>  <u>98898</u></p>
		<p>Difusor</p>	<p><b>Code</b>  <u>98899</u></p>
		<p>Difusor</p>	<p><b>Code</b>  <u>98900</u></p>

# Ribbon HD 160 LEDs/m



Ribbon HD 160 LEDs/m | LED Strip | Accessories  
**C00509WHNDI**

		Difusor		<b>Code</b> 98917
		Difusor		<b>Code</b> 98925
		Difusor Material:PC, color:negro.	<b>Finish</b> Black	<b>Code</b> 83132
		Difusor Material:PC, color:opalino.	<b>Finish</b> Opaline	<b>Code</b> C-K200001
		Difusor Material:PC, color:negro.	<b>Finish</b> Black	<b>Code</b> C-K200002
		Difusor Material:PC, color:opalino.	<b>Finish</b> Opaline	<b>Code</b> C-K200003
		Difusor Material:PC, color:negro.	<b>Finish</b> Black	<b>Code</b> C-K200004
		Difusor Material:PC, color:opalino.	<b>Finish</b> Opaline	<b>Code</b> C-K200005

# Ribbon HD 160 LEDs/m



Ribbon HD 160 LEDs/m | LED Strip | Accessories  
**C00509WHNDI**



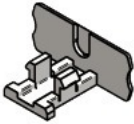
Difusor  
 Material:PC, color:opalino.

**Finish**  
 Opaline **Code**  
 C-K200007



Difusor  
 Material:PC, color:negro.

**Finish**  
 Black **Code**  
 C-K200009



Tapón

**Code**  
 98418



Tapón - Tapa de cierre  
 Material:PC, color:blanco.

**Code**  
 98892



Tapón

**Code**  
 98928



Tapón

**Code**  
 98896



Tapón

**Code**  
 98902



Tapón  
 Material:aluminio, color:pulido.


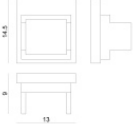

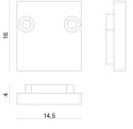

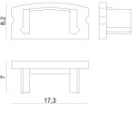

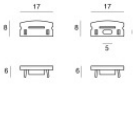

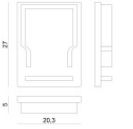
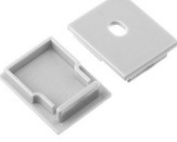
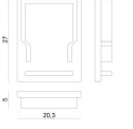

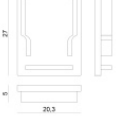

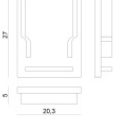
**Code**  
 98907



# Ribbon HD 160 LEDs/m




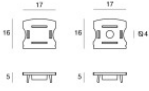
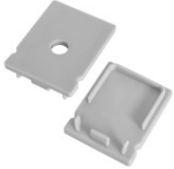
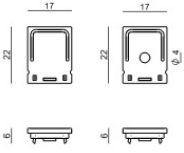

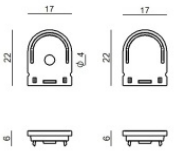

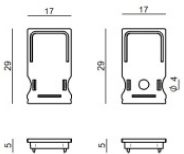

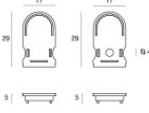

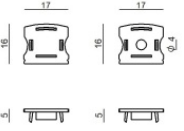

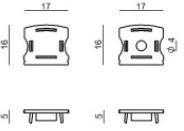

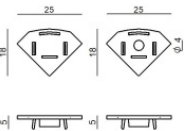
Ribbon HD 160 LEDs/m | LED Strip | Accessories  
**C00509WHNDI**

		Tapón Material:PC, color:blanco.	<b>Code</b> <u>98922</u>
		Tapón Material:PC, color:blanco.	<b>Code</b> <u>98918</u>
		Tapón Material:PC, color:negro.	<b>Code</b> <u>83133</u>
		Tapón Material:plástico, color:gris.	<b>Code</b> <u>C-V400023</u>
		Tapón Material:plástico, color:gris.	<b>Code</b> <u>C-V400019</u>
		Tapón Material:Plástico ABS, color:negro.	<b>Code</b> <u>C-V400020</u>
		Tapón Material:plástico, color:gris.	<b>Code</b> <u>C-V400021</u>
		Tapón Material:Plástico ABS, color:negro.	<b>Code</b> <u>C-V400022</u>

# Ribbon HD 160 LEDs/m



Ribbon HD 160 LEDs/m | LED Strip | Accessories  
**C00509WHNDI**

		<p>Tapón Material:plástico, color:gris.</p>	<p><b>Code</b> <u>C-V400025</u></p>
		<p>Tapón Material:plástico, color:gris.</p>	<p><b>Code</b> <u>C-V400027</u></p>
		<p>Tapón Material:plástico, color:gris.</p>	<p><b>Code</b> <u>C-V400029</u></p>
		<p>Tapón Material:plástico, color:gris.</p>	<p><b>Code</b> <u>C-V400031</u></p>
		<p>Tapón Material:plástico, color:gris.</p>	<p><b>Code</b> <u>C-V400033</u></p>
		<p>Tapón Material:plástico, color:gris.</p>	<p><b>Code</b> <u>C-V400035</u></p>
		<p>Tapón Material:Plástico ABS, color:negro.</p>	<p><b>Code</b> <u>C-V400036</u></p>
		<p>Tapón Material:Plástico ABS, color:negro.</p>	<p><b>Code</b> <u>C-V400038</u></p>

# Ribbon HD 160 LEDs/m



Ribbon HD 160 LEDs/m | LED Strip | Accessories  
**C00509WHNDI**

		<p>Tapón            Material:plástico, color:gris.</p>	<p><b>Code</b>  <u>C-V400037</u></p>
		<p>Tapón            Material:plástico, color:gris.</p>	<p><b>Code</b>  <u>C-V400041</u></p>
		<p>Soporte - Soporte de montaje            L=19mm, H=8mm, D=9mm.            Material:Hierro, color:zinc, elaboración :Lavado.</p>	<p><b>Code</b>  <u>98944</u></p>
		<p>Soporte            L=9mm, H=8.8mm, D=21.8mm.            Material:Hierro, color:pulido, elaboración :Lavado.</p>	<p><b>Code</b>  <u>98931</u></p>
		<p>Soporte            L=22mm, H=21.5mm, D=16.4mm.            Material:PC, color:transparente.</p>	<p><b>Finish</b>  <span style="border: 1px solid black; padding: 2px;">Transp.</span> <b>Code</b>  <u>98904</u></p>
		<p>Soporte            L=12mm, H=15mm, D=30mm.            Material:PC, color:blanco.</p>	<p><b>Finish</b>  <span style="border: 1px solid black; padding: 2px;">White</span> <b>Code</b>  <u>98901</u></p>
		<p>Perfil            Material:Aluminio 6060, color:Aluminio Anodizado, elaboración :Anodizado 20 µm.</p>	<p><b>Code</b>  <u>98921</u></p>
		<p>Conector - Conector rápido para Ribbon Basic V2 8mm, Ribbon HD 8mm (no Ribbon COB)            Largo 21,6 mm.</p>	<p><b>Code</b>  <u>83396</u></p>

# Ribbon HD 160 LEDs/m



Ribbon HD 160 LEDs/m | LED Strip | Accessories  
**C00509WHNDI**

		<p>Conector - Conector rápido para Ribbon Basic V2 8mm, Ribbon HD 8mm (no Ribbon COB)                  Largo 15,4 mm.</p>	<p><b>Code</b>  <u>83397</u></p>
		<p>Conector - Conector rápido para Ribbon Plus 10mm - Ribbon PRO - Ribbon PRO 48                  Largo 21,6 mm.</p>	<p><b>Code</b>  <u>83398</u></p>
		<p>Conector                  Largo 15,4 mm.</p>	<p><b>Code</b>  <u>83399</u></p>
		<p>Óptica                  Distribución de la luz: medium flood,Material de revestimiento: pc</p>	<p><b>Code</b>  <u>C-U100001</u></p>
		<p>Bolsa / Kit de fijación</p>	<p><b>Code</b>  <u>C-K100027</u></p>
		<p>Bolsa / Kit de fijación</p>	<p><b>Code</b>  <u>C-K100028</u></p>
		<p>Bolsa / Kit de fijación</p>	<p><b>Code</b>  <u>C-K100029</u></p>