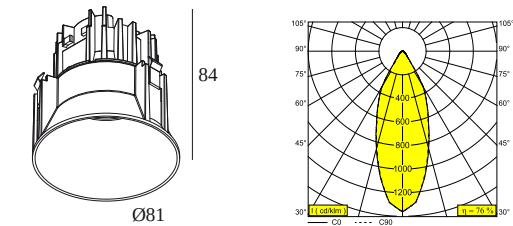




DEEP RINGO TRIMLESS LED 93033

202 144 811 932 FG

DISPONIBLE EN  
**NEGRO** 202 144 811 932 B  
**ALU CEPILLADO** 202 144 811 932 BRA  
**ANTRACITA CEPILLADO** 202 144 811 932 BRAT  
**BRONCE MARRÓN CEPILLADO** 202 144 811 932 BRBB  
**COBRE CEPILLADO** 202 144 811 932 BRCU  
**ORO CEPILLADO** 202 144 811 932 BRC  
**BRONCE VIEJO CEPILLADO** 202 144 811 932 BROB  
**CREMA** 202 144 811 932 CR  
**FLEMISH BRONZE** 202 144 811 932 FBR  
**FLEMISH GOLD** 202 144 811 932 FG  
**ORO COLOREADO** 202 144 811 932 GC  
**NEGRO PIANO** 202 144 811 932 PB  
**BLANCO** 202 144 811 932 W



[Ver en el sitio web](#)



| Información general        |                                                       |
|----------------------------|-------------------------------------------------------|
| UBICACIÓN                  | interior                                              |
| INSTALACIÓN                | Techo Empotrado                                       |
| FORMA/TAMAÑO DE CORTE (MM) | redondo - Ø KIT                                       |
| PROFUNDIDAD EMPOTRADA (MM) | 95                                                    |
| PROTECCIÓN DE INGRESO      | IP20                                                  |
| PESO (KG)                  | 0.3                                                   |
| CAPACIDAD DE AJUSTE        | no ajustable                                          |
| INFORMACIÓN                | REFLECTOR FL-33°<br>EXCLLED POWER SUPPLY 350-500mA-DC |

| Información eléctrica    |                                                        |
|--------------------------|--------------------------------------------------------|
| CLASE                    | III                                                    |
| TIPO DE ATENUACIÓN       | dependiendo del tipo de fuente de alimentación externa |
| CLASIFICACIÓN ENERGÉTICA | D                                                      |
| CERTIFICADOS             | CB, ENEC, EPD, LCA                                     |

| Información de la fuente de luz         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| LIGHTSOURCE NAME                        | LED                                                       |
| FUENTE DE LUZ                           | LED array 5,8-8,6W / CRI>90 (R9: 52) / 3000K / 787-1089lm |
| TM-30-15 VALUES                         | rf: 90 / Rg: 99                                           |
| SDCM                                    | SDCM1                                                     |
| GRUPO DE RIESGO                         | RG1                                                       |
| LM80                                    | L90B10 > 50000                                            |
| BEAMANGLE                               | 33°                                                       |
| INFORMACIÓN TÉCNICA LED (FUENTE DE LUZ) | 1089lm // 8,6W // 127lm/W                                 |
| INFORMACIÓN TÉCNICA LED (LUMINARIA)     | 828lm // 9,9W // 84lm/W                                   |

| Requisitos                                   |  |
|----------------------------------------------|--|
| MOUNTING KIT R82 TRIMLESS O.F.A.             |  |
| MOUNTING KIT AIR 101                         |  |
| LED POWER SUPPLY 350 / 500mA-DC DIM (Remote) |  |

DEEP RINGO TRIMLESS LED 93033

202 144 811 932 FG

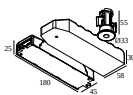
Para obtener instrucciones de instalación detalladas, consulte el manual : [202\\_144\\_811\\_XXX\\_HAND.pdf](#)

COMPATIBILIDAD CON TECHO

| Ceiling Type                                                                                                         | Mounting Kit                                                                                                                      |          |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
|  <b>System ceiling</b>               |  15212 2000 - MOUNTING KIT R82 TRIMLESS O.F.A.   | Required |
|  <b>Plasterboard</b>                 |  15212 2000 - MOUNTING KIT R82 TRIMLESS O.F.A.   | Required |
|  <b>Stucanet</b>                     |  15212 2000 - MOUNTING KIT R82 TRIMLESS O.F.A.   | Required |
|  <b>Concrete + plaster</b>           |  15212 2000 - MOUNTING KIT R82 TRIMLESS O.F.A.   | Required |
|  <b>Lintel + plaster</b>            |  15212 2000 - MOUNTING KIT R82 TRIMLESS O.F.A.  | Required |
|  <b>Hollow-core slab + plaster</b> |  15212 2000 - MOUNTING KIT R82 TRIMLESS O.F.A. | Required |
|                                    |  29810 0010 - MOUNTING KIT SIDE AIR 101        | Required |
|                                                                                                                      |  29810 0050 - MOUNTING KIT NO AIR 101          | Required |
|                                                                                                                      |  29810 0100 - MOUNTING KIT SIDE AIR ONLY 1     | Required |
|                                    |  29810 0050 - MOUNTING KIT NO AIR 101          | Required |
|                                                                                                                      |  29810 0200 - MOUNTING KIT TOP AIR ONLY 1      | Required |
|                                                                                                                      |  29810 0210 - MOUNTING KIT TOP AIR 101         | Required |
|  <b>Cold stretched ceiling</b>     |  15212 0070 - MOUNTING KIT R82 TRIMLESS CSC    | Required |
|  <b>Warm stretched ceiling</b>     |  15212 0150 - MOUNTING KIT R82 TRIMLESS WSC    | Required |

TERMINE SU ESPECIFICACIÓN

Batería de Emergencia



**21032 0270 B** EMERGENCY UNIT 7W / 1h + LED INDICATOR HOLDER B

Dimensión de corte (mm): 27

☐

DEEP RINGO TRIMLESS LED 93033

202 144 811 932 FG

21032 0270 W EMERGENCY UNIT 7W / 1h + LED INDICATOR HOLDER W

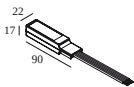
☐

Fuente de Alimentación LED

# de luminarias

 # de luminarias indica cuántos dispositivos se pueden conectar (min -> max) a la fuente de alimentación. Los valores antes y después del '|' corresponden respectivamente a la corriente de accionamiento mínima y máxima. Los valores entre paréntesis son aplicables a 110V.

Corriente mín. | Corriente máx.

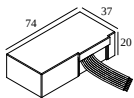


**300 48 350 ED1** LED POWER CONVERTER 48V-DC to 350 mA-DC / 15W DIM1

1 ☐

Tipo de regulación: 1 a 10V

Dimensión de corte (mm): 30

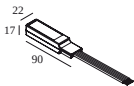


**300 48 350 ED5** LED POWER CONVERTER 48V-DC to 350 mA-DC / 15W DIM5

1 ☐

Tipo de regulación: con DALI

Dimensión de corte (mm): 45

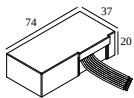


**300 48 350 MDL** LED POWER CONVERTER 48V-DC to 350 mA-DC / 15W MDL

1 ☐

Tipo de regulación: no dimerizable

Dimensión de corte (mm): 30

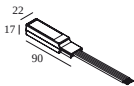


**300 48 350 WDL** LED POWER CONVERTER 48V-DC to 350 mA-DC / 15W WDL

1 ☐

Tipo de regulación: WDL = Regulable inalámbrico

Dimensión de corte (mm): 45

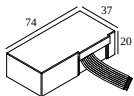


**300 48 500 ED1** LED POWER CONVERTER 48V-DC to 500 mA-DC / 22W DIM1

1 ☐

Tipo de regulación: 1 a 10V

Dimensión de corte (mm): 30

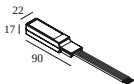


**300 48 500 ED5** LED POWER CONVERTER 48V-DC to 500 mA-DC / 22W DIM5

1 ☐

Tipo de regulación: con DALI

Dimensión de corte (mm): 45

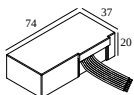


**300 48 500 MDL** LED POWER CONVERTER 48V-DC to 500 mA-DC / 22W MDL

1 ☐

Tipo de regulación: no dimerizable

Dimensión de corte (mm): 30



**300 48 500 WDL** LED POWER CONVERTER 48V-DC to 500 mA-DC / 22W WDL

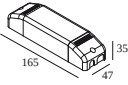
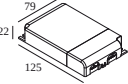
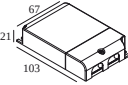
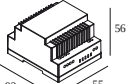
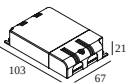
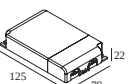
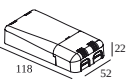
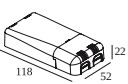
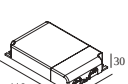
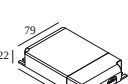
1 ☐

Tipo de regulación: WDL = Regulable inalámbrico

Dimensión de corte (mm): 45

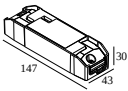
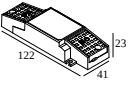
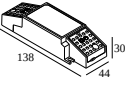
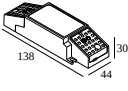
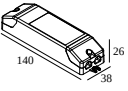
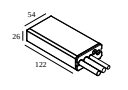
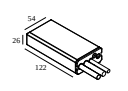
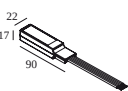
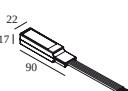
DEEP RINGO TRIMLESS LED 93033

202 144 811 932 FG

|                                                                                    |                                                                          |                |                          |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------|--------------------------|
|    | <b>300 90 61</b><br>LED POWER SUPPLY MULTI-POWER DIM6                    | 2   2          | <input type="checkbox"/> |
| <b>Tipo de regulación: con corte de fase o switch de presión</b>                   |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 56</b>                                                 |                                                                          |                |                          |
|    | <b>300 90 63</b><br>LED POWER SUPPLY MULTI-POWER DIM9                    | 4(4)   4(4)    | <input type="checkbox"/> |
| <b>Tipo de regulación: 1 a 10 V o DALI o switch de presion</b>                     |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 82</b>                                                 |                                                                          |                |                          |
|    | <b>300 90 64</b><br>LED POWER SUPPLY MULTI-POWER DIM7                    | 2(1)   2(1)    | <input type="checkbox"/> |
| <b>Tipo de regulación: 1 a 10 V o switch de presión</b>                            |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 72</b>                                                 |                                                                          |                |                          |
|    | <b>300 90 67</b><br>LED POWER CONVERTER 24V-DC TO MULTI CURRENT 48W DIM9 | 2              | <input type="checkbox"/> |
| <b>Tipo de regulación: 1 a 10 V o DALI o switch de presion</b>                     |                                                                          |                |                          |
|  | <b>300 90 68</b><br>LED POWER SUPPLY MULTI-POWER DIM5                    | 2(2)   2(1)    | <input type="checkbox"/> |
| <b>Tipo de regulación: con DALI</b>                                                |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 72</b>                                                 |                                                                          |                |                          |
|  | <b>300 90 69</b><br>LED POWER SUPPLY MULTI-POWER HV DIM9                 | 2->6(6)   6(4) | <input type="checkbox"/> |
| <b>Tipo de regulación: 1 a 10 V o DALI o switch de presion</b>                     |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 84</b>                                                 |                                                                          |                |                          |
|  | <b>300 90 124</b><br>LED POWER SUPPLY MULTI-POWER DIM7                   | 3(2)   2(1)    | <input type="checkbox"/> |
| <b>Tipo de regulación: 1 a 10 V o switch de presión</b>                            |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 55</b>                                                 |                                                                          |                |                          |
|  | <b>300 90 125</b><br>LED POWER SUPPLY MULTI-POWER MINI DIM5              | 2(2)   2(1)    | <input type="checkbox"/> |
| <b>Tipo de regulación: con DALI</b>                                                |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 55</b>                                                 |                                                                          |                |                          |
|  | <b>300 90 135</b><br>LED POWER SUPPLY MULTI-POWER HV                     | 3->3   2->3    | <input type="checkbox"/> |
| <b>Tipo de regulación: no dimerizable</b>                                          |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 90</b>                                                 |                                                                          |                |                          |
|  | <b>21012 004W</b><br>LED POWER SUPPLY MULTI-POWER WDL                    | 3(3)   3(3)    | <input type="checkbox"/> |
| <b>Tipo de regulación: WDL = Regulable inalámbrico</b>                             |                                                                          |                |                          |
| <b>Dimensión de corte (mm): 84</b>                                                 |                                                                          |                |                          |

DEEP RINGO TRIMLESS LED 93033

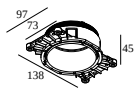
202 144 811 932 FG

|                                                                                    |                                                                         |       |                          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------|--------------------------|
|    | <b>21012 005W</b><br>LED POWER SUPPLY MULTI-POWER COMPACT WDL           | 3   3 | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> WDL = Regulable inalámbrico                             |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 54                                                 |                                                                         |       |                          |
|    | <b>21012 0258</b><br>LED POWER SUPPLY MULTI POWER 200-350 / 10W DIM8    | 1     | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> con corte de fase                                       |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 50                                                 |                                                                         |       |                          |
|    | <b>21012 0278</b><br>LED POWER SUPPLY MULTI POWER 500-700 / 20W DIM8    | 1     | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> con corte de fase                                       |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 55                                                 |                                                                         |       |                          |
|    | <b>21012 0288</b><br>LED POWER SUPPLY MULTI POWER 500-700 / 36W DIM8    | 2->3  | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> con corte de fase                                       |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 55                                                 |                                                                         |       |                          |
|  | <b>21012 0298</b><br>LED POWER SUPPLY MULTI POWER 250-900 / 20W DIM8    | 2   2 | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> con corte de fase                                       |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 48                                                 |                                                                         |       |                          |
|  | <b>21012 0480</b><br>LED POWER SUPPLY 350mA-DC / 17W IP68               | 2(2)  | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> no dimerizable                                          |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 60                                                 |                                                                         |       |                          |
|  | <b>21012 0500</b><br>LED POWER SUPPLY 500mA-DC / 24W IP68               | 2(1)  | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> no dimerizable                                          |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 60                                                 |                                                                         |       |                          |
|  | <b>21032 0295</b><br>LED POWER CONVERTER 48V-DC to 350 mA-DC / 15W DIM5 | 2     | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> con DALI                                                |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 30                                                 |                                                                         |       |                          |
|  | <b>21032 0305</b><br>LED POWER CONVERTER 48V-DC to 500 mA-DC / 22W DIM5 | 2     | <input type="checkbox"/> |
| <b>Tipo de regulación:</b> con DALI                                                |                                                                         |       |                          |
| <b>Dimensión de corte (mm):</b> 30                                                 |                                                                         |       |                          |

## DEEP RINGO TRIMLESS LED 93033

202 144 811 932 FG

### Mounting Kit

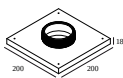


**15212 2000** MOUNTING KIT R82 TRIMLESS O.F.A.

☐

Dimensión de corte (mm): 105

### Mounting Kit techo tensado



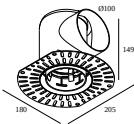
**15212 0070** MOUNTING KIT R82 TRIMLESS CSC

☐

**15212 0150** MOUNTING KIT R82 TRIMLESS WSC

☐

### Juegos de montaje - side air + light

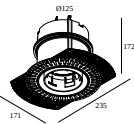


**29810 0010** MOUNTING KIT SIDE AIR 101

☐

Dimensión de corte (mm): 168

### Juegos de montaje - top air + light

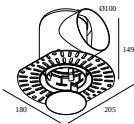


**29810 0210** MOUNTING KIT TOP AIR 101

☐

Dimensión de corte (mm): 135

### Juegos de montaje - side air only



**29810 0100** MOUNTING KIT SIDE AIR ONLY 1

☐

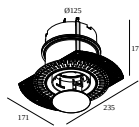
Dimensión de corte (mm): 168

# DELTALIGHT

## DEEP RINGO TRIMLESS LED 93033

202 144 811 932 FG

### Juegos de montaje - top air only

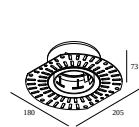


**29810 0200** MOUNTING KIT TOP AIR ONLY 1

☐

Dimensión de corte (mm): 135

### Juegos de montaje - no air



**29810 0050** MOUNTING KIT NO AIR 101

☐

Dimensión de corte (mm): 168

Notes: