

Standard Ballasts 5–16 W, 230/240/220 V

For compact fluorescent lamps
Shape: 28 x 41 mm

Vacuum-impregnated with polyester resin

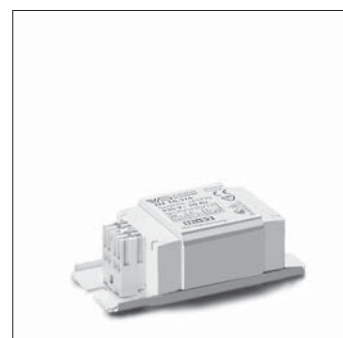
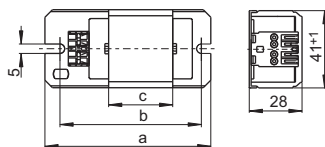
Push-in terminal for leads: 0.5–1 mm²

For the automatic luminaire wiring:

IDC terminals for leads HO5V-U 0.5

tw 130

Protection class I



| Lamp | | | | Ballast | | | | | | | | | | Capacitor | |
|---------------------|-----------|----------------|---------|-------------|---------------|-----------|---------------|---------|----|--------|--------------------------|--------------------|----------------|-----------|-----|
| Output | Type | Base | Current | Type | Ref. No. | Voltage | a | b | c | Weight | $\Delta t/\Delta t_{on}$ | Energy efficiency* | C _p | Current | |
| W | | | mA | | | V, Hz | mm | mm | mm | kg | K | | μ F | mA | |
| 230 V, 50 Hz | | | | | | | | | | | | | | | |
| 5 | TC-S | G23 | 180 | L7/9/11.307 | 163694 | 230, 50 | 85 | 75 | 34 | 0.32 | 60/85 | B2 | 2.0 | 50 | |
| 2x5 | TC-S | G23 | 180 | LN 13.805 | 169647 | 230, 50 | 85 | 75 | 34 | 0.32 | 50/85 | B1 | 2.0 | 70 | |
| | | | | LN 13.313 | 163711 | 230, 50 | 85 | 75 | 34 | 0.32 | 55/80 | B2 | 2.0 | 70 | |
| 7 | TC-S | G23 | 175 | L7/9/11.307 | 163694 | 230, 50 | 85 | 75 | 34 | 0.32 | 60/85 | B2 | 2.0 | 50 | |
| 2x7 | TC-S | G23 | 160 | LN 13.805 | 169647 | 230, 50 | 85 | 75 | 34 | 0.32 | 50/85 | B1 | 2.0 | 70 | |
| | | | | LN 13.313 | 163711 | 230, 50 | 85 | 75 | 34 | 0.32 | 55/80 | B2 | 2.0 | 70 | |
| 9 | TC-S | G23 | 170 | L7/9/11.307 | 163694 | 230, 50 | 85 | 75 | 34 | 0.32 | 60/85 | B1 | 2.0 | 60 | |
| 2x9 | TC-S | G23 | 140 | LN 13.805 | 169647 | 230, 50 | 85 | 75 | 34 | 0.32 | 50/85 | B1 | 2.0 | 70 | |
| | | | | LN 13.313 | 163711 | 230, 50 | 85 | 75 | 34 | 0.32 | 55/80 | B2 | 2.0 | 80 | |
| 10 | TC-D | G24d-1 | 190 | LN 13.805 | 169647 | 230, 50 | 85 | 75 | 34 | 0.32 | 50/85 | B1 | 2.0 | 70 | |
| | | | | LN 13.313 | 163711 | 230, 50 | 85 | 75 | 34 | 0.32 | 55/80 | B2 | 2.0 | 70 | |
| | TC-DD | GR10q | 180 | LN 13.805 | 169647 | 230, 50 | 85 | 75 | 34 | 0.32 | 50/85 | B1 | 2.0 | 70 | |
| | | | | LN 13.313 | 163711 | 230, 50 | 85 | 75 | 34 | 0.32 | 55/80 | B2 | 2.0 | 70 | |
| 11 | TC-S | G23 | 155 | L7/9/11.307 | 163694 | 230, 50 | 85 | 75 | 34 | 0.32 | 60/85 | B1 | 2.0 | 80 | |
| 13 | TC-D/TC-T | G24d-1/GX24d-1 | 175 | LN 13.805 | 169647 | 230, 50 | 85 | 75 | 34 | 0.32 | 50/85 | B1 | 2.0 | 80 | |
| | | | | LN 13.313 | 163711 | 230, 50 | 85 | 75 | 34 | 0.32 | 55/80 | B2 | 2.0 | 80 | |
| 16 | TC-DD | GR8/GR10q | 195 | LN 16.316 | 163730 | 230, 50 | 85 | 75 | 34 | 0.32 | 60/125 | B1 | 2.0 | 100 | |
| 240 V, 50 Hz | | | | | | | | | | | | | | | |
| 5 | TC-S | G23 | 180 | L7/9/11.411 | 164335 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/85 | B2 | 2.0 | 50 | |
| 2x5 | TC-S | G23 | 180 | LN 13.413 | 164342 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/90 | B2 | 2.0 | 70 | |
| 7 | TC-S | G23 | 175 | L7/9/11.411 | 164335 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/85 | B2 | 2.0 | 50 | |
| 2x7 | TC-S | G23 | 160 | LN 13.413 | 164342 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/90 | B2 | 2.0 | 70 | |
| 9 | TC-S | G23 | 170 | L7/9/11.411 | 164335 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/85 | B1 | 2.0 | 60 | |
| 2x9 | TC-S | G23 | 140 | LN 13.413 | 164342 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/90 | B2 | 2.0 | 80 | |
| | | | | LN 13.413 | 164342 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/90 | B2 | 2.0 | 80 | |
| 10 | TC-D | G24d-1 | 190 | LN 13.413 | 164342 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/90 | B2 | 2.0 | 70 | |
| | | | | GR10q | 180 | LN 13.413 | 164342 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/90 | B2 | 2.0 |
| 11 | TC-S | G23 | 155 | L7/9/11.411 | 164335 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/85 | B1 | 2.0 | 80 | |
| 13 | TC-D/TC-T | G24d-1/GX24d-1 | 175 | LN 13.413 | 164342 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/90 | B1 | 2.0 | 80 | |
| 16 | TC-DD | GR8/GR10q | 195 | LN 16.417 | 164358 | 240, 50 | 85 | 75 | 34 | 0.32 | 60/130 | B1 | 2.0 | 100 | |
| 220 V, 60 Hz | | | | | | | | | | | | | | | |
| 5 | TC-S | G23 | 180 | L7/9/11.207 | 163305 | 220, 60 | 85 | 75 | 34 | 0.32 | 35/65 | – | 2.0 | 70 | |
| 2x5 | TC-S | G23 | 180 | L 13.210 | 520992 | 220, 60 | 85 | 75 | 34 | 0.32 | 45/80 | – | 2.0 | 90 | |
| 7 | TC-S | G23 | 175 | L7/9/11.207 | 163305 | 220, 60 | 85 | 75 | 34 | 0.32 | 35/65 | – | 2.0 | 70 | |
| 2x7 | TC-S | G23 | 160 | L 13.210 | 520992 | 220, 60 | 85 | 75 | 34 | 0.32 | 45/80 | – | 2.0 | 90 | |
| 9 | TC-S | G23 | 170 | L7/9/11.207 | 163305 | 220, 60 | 85 | 75 | 34 | 0.32 | 35/65 | – | 2.0 | 70 | |
| 2x9 | TC-S | G23 | 140 | L 13.210 | 520992 | 220, 60 | 85 | 75 | 34 | 0.32 | 45/80 | – | 2.0 | 90 | |
| | | | | L 13.210 | 520992 | 220, 60 | 85 | 75 | 34 | 0.32 | 45/80 | – | 2.0 | 90 | |
| 10 | TC-D | G24d-1 | 190 | L 13.210 | 520992 | 220, 60 | 85 | 75 | 34 | 0.32 | 45/80 | – | 2.0 | 80 | |
| | | | | GR10q | 180 | L 13.210 | 520992 | 220, 60 | 85 | 75 | 34 | 0.32 | 45/80 | – | 2.0 |
| 11 | TC-S | G23 | 155 | L7/9/11.207 | 163305 | 220, 60 | 85 | 75 | 34 | 0.32 | 35/65 | – | 2.0 | 80 | |
| 13 | TC-D/TC-T | G24d-1/GX24d-1 | 165 | L 13.210 | 520992 | 220, 60 | 85 | 75 | 34 | 0.32 | 45/80 | – | 2.0 | 110 | |

* Energy efficiency: EEI=B2 and EEI=B1, valid until 2017