

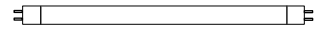


FEATURES

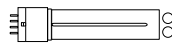
- ➔ IECCE CB scheme approved.
- ➔ Environmental friendly with best practice RoHS certified product.
- ➔ 3rd party fully certified EU-LVD, EMC and RoHS directive approved by ETS Product Service AG, Germany.
- ➔ Fully lamps failed protection with automatic restart function.
- ➔ Recommended for industrial user.

LAMPS

T8/T10/T12/(G13)



TC-L/(2G11)



TC-TE

TC-DE



BALLAST SPECIFICATION

| | |
|--|----------------------------|
| Safety Input Voltage Range | 175 to 265 Volts |
| Operating Input Voltage | 185 to 255 Volts |
| Power Factor | 0.97 |
| DC Voltage Operation | 175 to 270 Volts DC |
| Input Current Harmonics | IEC 61000-3-2 |
| Total Harmonics Distortion (% THDi) | <15% |
| | <10% (1x32W T8, 2x32W T8) |
| Maximum Case Temperature (tc) | 90°C |
| Environmental Operating Temperature (ta) | 0 to 50°C |
| Maximum Relative Humidity | 90% non - condensing |
| Safety | IEC 61347-1, IEC 61347-2-3 |
| Withstanding Voltage | IEC 61347-2-3 |
| Guaranteed Withstanding Voltage | 2500 Vac |
| Insulation Resistance | >2 MΩ |
| Endurance | IEC 60929 |

| | |
|-------------------------------------|---------------------------|
| De-activated Lamp Protection | Automatic Restart |
| Removal of Lamp | IEC 60929 |
| Lamp Fail Protection | IEC 60929 |
| End of Lamp Life Protection | Automatic Restart |
| Electromagnetic Compatibility (EMC) | EN 55015, EN 55022 |
| Main Transient Over Voltage | IEC 60929 |
| Lamp Current Crest Factor | <1.7 |
| Lamp Flicker | Non Visible |
| Output Frequency | 25 to 60 kHz |
| Ballast Lumen Factor | 0.95 |
| Lamp Starting | Instant Start |
| Lamp Cable Length | 1.5 m. MAX |
| Case & Connection 1x | PC. & Terminal Block |
| Case & Connection 2x | Aluminum & Terminal Block |
| Life Time | 180,000 Hours (ta=25°C) |



TECHNICAL DATA AND DIMENSION

| DIMENSIONS | | | | | |
|------------|---------|---------|--------|--------|--------------|
| Model | L1 (mm) | L2 (mm) | W (mm) | H (mm) | Weight (Kg.) |
| PERFORM1x | 150.0 | 140.0 | 41.0 | 30.0 | 0.14 |
| PERFORM2x | 215.0 | 203.0 | 41.0 | 30.0 | 0.25 |

| TECHNICAL DATA | | | | | |
|----------------|-----------------------|-------------------|---------|-------------------------|--------------------------|
| Model | Product Code | Rated Voltage (V) | Lamp | Nominal Input Power (W) | Nominal Line Current (W) |
| PERFORM 1x13W | EBLIDCD220113000000 | 220 | TC - DE | 13.0 | 0.061 |
| | | 230 | TC - DE | 14.0 | 0.063 |
| PERFORM 1x18W | EBLIDCD220118000000 | 220 | TC - DE | 18.0 | 0.084 |
| | | 230 | TC - DE | 19.2 | 0.086 |
| PERFORM 1x18W | EBLIDFL220118000000 | 220 | T8 | 18.0 | 0.084 |
| | | 230 | T8 | 19.2 | 0.086 |
| PERFORM 1x26W | EBLIDCD220126000000 | 220 | TC - DE | 26.0 | 0.121 |
| | | 230 | TC - DE | 27.4 | 0.123 |
| PERFORM 1x32W | EBLIDCD220132000000 | 220 | TC - TE | 32.0 | 0.150 |
| | | 230 | TC - TE | 33.9 | 0.152 |
| PERFORM 1x32W | EBLIDFL220132T8000000 | 220 | T8 | 32.0 | 0.150 |
| | | 230 | T8 | 33.9 | 0.152 |
| PERFORM 1x36W | EBLIDFL220136000000 | 220 | T8 | 36.0 | 0.169 |
| | | 230 | T8 | 38.2 | 0.171 |

| TECHNICAL DATA | | | | | |
|----------------|-----------------------|-------------------|---------|-------------------------|--------------------------|
| Model | Product Code | Rated Voltage (V) | Lamp | Nominal Input Power (W) | Nominal Line Current (W) |
| PERFORM 2x13W | EBLIDCD220213000000 | 220 | TC - DE | 26.0 | 0.122 |
| | | 230 | TC - DE | 27.7 | 0.124 |
| PERFORM 2x18W | EBLIDCD220218000000 | 220 | TC - DE | 37.0 | 0.169 |
| | | 230 | TC - DE | 39.2 | 0.171 |
| PERFORM 2x18W | EBLIDFL220218000000 | 220 | T8 | 37.0 | 0.173 |
| | | 230 | T8 | 39.0 | 0.175 |
| PERFORM 2x26W | EBLIDCD220226000000 | 220 | TC - DE | 52.0 | 0.244 |
| | | 230 | TC - DE | 54.9 | 0.246 |
| PERFORM 2x32W | EBLIDCD220232000000 | 220 | TC - TE | 64.0 | 0.299 |
| | | 230 | TC - TE | 67.2 | 0.301 |
| PERFORM 2x32W | EBLIDFL220232T8000000 | 220 | T8 | 64.0 | 0.299 |
| | | 230 | T8 | 67.2 | 0.301 |
| PERFORM 2x36W | EBLIDFL220236000000 | 220 | T8 | 71.0 | 0.332 |
| | | 230 | T8 | 74.5 | 0.334 |
| PERFORM 4x18W | EBLIDFL240418000002 | 220 | T8 | 72.0 | 0.337 |
| | | 230 | T8 | 75.6 | 0.339 |

Note :

1. All tolerances comply with IEC 60929.
2. Not suitable for leading or trailing edge phase-cut dimmer.
3. Lamp starting aid may be required at temperature below 10°C.
4. Low temperature application below 15°C, the lamp should be jacketed or covered to obtain optimum light output.
5. Specifications are subject to change without prior notice.
6. This ballast is built-in lamp controlgear, which relies upon the luminaire enclosure for protection against accidental contact with live parts.