

DATOS LÁMPARAS DE DESCARGA

1. LÁMPARAS SODIO ALTA PRESIÓN (UNE-EN 60662)

| <i>Lámpara</i> | | | | | <i>Balasto referencia</i> | | | | <i>Balasto</i> | |
|---|-------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|
| P_n (W) | Tipo | P_L (W) | I_L (A) | U_L (V) | F_n (Hz) | U_n (V) | I_n (A) | Z_n (Ω) | I_{cc} (A) | U_{pk} (kV) |
| 50 I/E | TC/AE | 50 | 0.76 | 70/85/100 | 50/60 | 220 | 0.76 | 246 | 0.76/1.52 | 1.8/2.5 |
| 70 I/E | TC/AE | 70 | 0.98 | 75/90/105 | 50 | 220 | 0.98 | 188 | 0.98/1.96 | 1.8/2.5 |
| 70 E | AE | 70 | 0.9 | 75/90/105 | 50 | 220 | 0.98 | 188 | 0.98/1.96 | 1.8/2.5 |
| 100 E | TC/AE | 100 | 1.2 | 85/100/115 | 50 | 220 | 1.2 | 148 | 1.2/2.4 | ---/5 |
| 150 I/E | TC/AE | 150 | 1.8 | 85/100/115 | 50 | 220 | 1.8 | 99 | 1.8/3 | 2.8/5 |
| | | | | | 60 | 220 | 1.8 | 97 | | |
| 250 I/E | TC/AE | 250 | 3 | 85/100/115 | 50 | 220 | 3 | 60 | 3/5.2 | 2.8/5 |
| | | | | | 60 | 220 | 3 | 59 | | |
| 400 I/E | TC | 392 | 4.6 | 74/100/117 | 50 | 220 | 4.6 | 39 | 4.6/7.5 | 2.8/5 |
| | | | | | 60 | 220 | 4.6 | 38.6 | | |
| 400 I/E | AE | 400 | 4.45 | 90/105/120 | 50 | 220 | 4.6 | 39 | 4.6/7.5 | 2.8/5 |
| | | | | | 60 | 220 | 4.6 | 38.6 | | |
| 1000 E | TC | 960 | 10.6 | 85/100/115 | 50/60 | 220 | 10.3 | 16.8 | 10.3/15 | ---/5 |
| 1000 E | AE | 1000 | 10.3 | 95/110/125 | 50/60 | 220 | 10.3 | 16.8 | 10.3/15 | ---/5 |
| Versión color mejorado: | | | | | | | | | | |
| 150 E | TC/AE | 148 | 1.8 | 85/100/115 | 50 | 220 | 1.8 | 99 | 1.8/3 | 2.8/4.5 |
| | | | | | 60 | 220 | 1.8 | 97 | | |
| 250 E | TC/AE | 245 | 2.95 | 85/100/115 | 50 | 220 | 3 | 60 | 3/5.2 | 2.8/5 |
| | | | | | 60 | 220 | 3 | 59 | | |
| 400 E | TC | 380 | 4.5 | 85/100/115 | 50 | 220 | 4.6 | 39 | 4.6/7.5 | 2.8/5 |
| | | | | | 60 | 220 | 4.6 | 38.6 | | |
| 400 E | AE | 385 | 4.4 | 90/100/120 | 50 | 220 | 4.6 | 39 | 4.6/7.5 | 2.8/5 |
| | | | | | 60 | 220 | 4.6 | 38.6 | | |
| Versión alto rendimiento de color: | | | | | | | | | | |
| 150 I | AE | 150 | 1.71/1.9/2.14 | 85/100/110 | 50/60 | 220 | 1.9 | 88.6 | 1.9/3 | ---/4.5 |
| 250 I | AE | 250 | 2.77/3.1/3.5 | 85/100/110 | 50/60 | 220 | 3.1 | 54.7 | 3.1/5.2 | ---/4.5 |
| 400 I | AE | 400 | 4.35/4.9/5.62 | 85/100/110 | 50/60 | 220 | 4.9 | 34.5 | 4.9/7.5 | ---/4.5 |

CONDICIONES DE ENSAYO:

Lámparas de referencia:

- U_L no debe diferir más de un 10% de los valores nominales.
- cosφ no debe diferir más de un 6% del valor calculado con los datos nominales.

Ensayo:

- Posición de ensayo lámpara: horizontal.
- I_{cc} / I_n < 1.8 para P_L > 100W
< 2 para P_L ≤ 100W
- I cresta / I_{ef} < 1.8
- P_L a tensión teórica debe estar entre 95% y 105% de la P_L a la tensión teórica con balasto de referencia.
- I_{cc} < I_{cc} máx. entre el 92% y 106% de la tensión nominal.

2. LÁMPARAS MERCURIO ALTA PRESIÓN (UNE-EN 60188)

| <i>Lámpara</i> | | | | | <i>Balasto referencia</i> | | | | <i>Balasto</i> | |
|-----------------------------|-------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------|
| P_n (W) | Tipo | P_L (W) | I_L (A) | U_L (V) | F_n (Hz) | U_n (V) | I_n (A) | Z_n (Ω) | I_{cc} (A) | U_{pk} (kV) |
| 50 | AE | 50 | 0.61 | 85/95/105 | 50/60 | 220 | 0.62 | 297 | 1.22 | - |
| 80 | AE | 80 | 0.8 | 100/115/130 | 50/60 | 220 | 0.8 | 206 | 1.6 | - |
| 125 | AE | 125 | 1.15 | 110/125/140 | 50/60 | 220 | 1.15 | 134 | 2.3 | - |
| 175 | AE | 175 | 1.5 | 115/130/145 | 60 | 220 | 1.5 | 99.5 | 3 | - |
| 250 | AE | 250 | 2.13 | 115/130/145 | 50/60 | 220 | 2.15 | 71 | 4.26 | - |
| 400 | AE | 400 | 3.25 | 120/135/150 | 50/60 | 220 | 45 | 3.25 | 6.83 | - |
| 700 | AE | 700 | 5.4 | 125/140/155 | 50/60 | 220 | 26.7 | 5.45 | 11.34 | - |
| 1000 | AE | 1000 | 7.5 | 130/145/160 | 50 | 220 | 7.5 | 18.5 | 15.75 | - |

CONDICIONES DE ENSAYO:

Lámparas de referencia:

- U_L, P_L, I_L, no deben diferir más de un 3% de los valores nominales.

Ensayo:

- Posición de ensayo lámpara: vertical.
- I cresta / I_{ef} < 1.9
- P_L debe ser mayor al 92.5% y I_L menor al 115% de las suministradas a la misma lámpara con el balasto de referencia.
- I_{cc} < I_{cc} máx. entre el 92% y 106% de la tensión nominal.

3. LÁMPARAS HALOGENUROS METÁLICOS (IEC-1167)

| <i>Lámpara</i> | | | | | <i>Balasto referencia</i> | | | | <i>Balasto</i> | |
|-----------------------------|------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|
| P_n (W) | Cap | P_L (W) | I_L (A) | U_L (V) | F_n (Hz) | U_n (V) | I_n (A) | Z_n (Ω) | I_{cc} (A) | I_{pk} (A) |
| 35 | G12 | 39 | 0.53 | 85/95/105 | 50/60 | 220 | 0.53 | 350 | 0.53/1.06 | 10.6 |
| 70 | G12 | 75 | 0.98 | 85/95/105 | 50/60 | 220 | 0.98 | 188 | 0.98/1.96 | 19.6 |
| 70 | RX7s | 75 | 0.98 | 80/90/100 | 50/60 | 220 | 0.98 | 188 | 0.98/1.96 | 19.6 |
| 150 | G12 | 146 | 1.82 | 85/95/105 | 50 | 220 | 1.8 | 99 | 1.8/3.2 | 36 |
| | | | | | 60 | 220 | 1.8 | 97 | | |
| 150 | RX7s | 150 | 1.8 | 85/95/105 | 50 | 220 | 1.8 | 99 | 1.8/3.2 | 36 |
| | | | | | 60 | 220 | 1.8 | 97 | | |

CONDICIONES DE ENSAYO:

Lámparas de referencia:

- U_L, P_L, I_L, no deben diferir más de un 3% de los valores nominales.

Ensayo:

- Posición de ensayo lámpara: marcado por el fabricante.

Resto de especificaciones en estudio