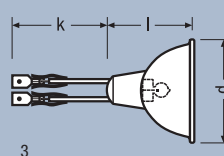
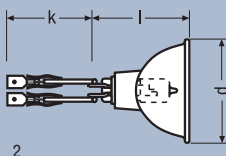
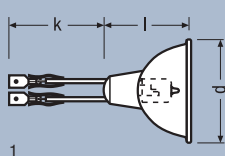
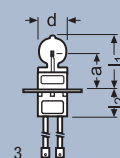
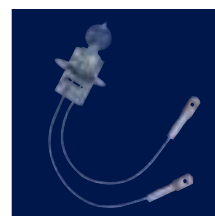
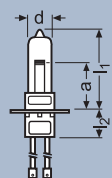
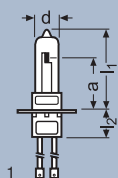


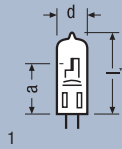
## TUNGSTEN HALOGEN LAMPS FOR AIRFIELD LIGHTING



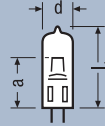
| Product reference                                                                  | Wattage (W) | Average life <sup>1)</sup> (h) | Axial luminous intensity <sup>2)</sup> (kcd) | Max. diameter d (mm) | Max. length l (mm) | Min. cable length k (mm) | Connector    | Normal pack (pcs.) | Fig. No. |
|------------------------------------------------------------------------------------|-------------|--------------------------------|----------------------------------------------|----------------------|--------------------|--------------------------|--------------|--------------------|----------|
| <b>Reflector lamps, for series operation at 6.6 Ampere (burning position: any)</b> |             |                                |                                              |                      |                    |                          |              |                    |          |
| 64331 SP-A-30-10 <sup>3)</sup>                                                     | 30          | 1000                           | min. 16                                      | 50.4                 | 48                 | 130                      | female       | 20                 | 1        |
| 64331 FL-A 30-10 <sup>4)</sup>                                                     | 30          | 1000                           | min. 3.7                                     | 50.4                 | 48                 | 130                      | female       | 20                 | 1        |
| 64331 FL-AC 30-10 <sup>4)</sup>                                                    | 30          | 1000                           | min. 3.7                                     | 50.4                 | 48                 | 130                      | female, male | 20                 | 1        |
| 64333 A 40-15                                                                      | 40          | 1500                           | min. 10                                      | 35.3                 | 37                 | 130                      | female       | 20                 | 1        |
| 64333 B 40-15                                                                      | 40          | 1500                           | min. 10                                      | 35.3                 | 37                 | 130                      | female round | 20                 | 1        |
| 64333 C 40-15                                                                      | 40          | 1500                           | min. 10                                      | 35.3                 | 37                 | 130                      | male         | 20                 | 1        |
| 64337 A 45-15                                                                      | 45          | 1500                           | min. 19                                      | 50.4                 | 45                 | 125                      | female       | 20                 | 1        |
| 64337 B 45-15                                                                      | 45          | 1500                           | min. 19                                      | 50.4                 | 45                 | 125                      | female round | 20                 | 1        |
| 64337 A 48-15                                                                      | 48          | 1500                           | min. 20                                      | 50.4                 | 45                 | 125                      | female       | 20                 | 1        |
| 64337 B 48-15                                                                      | 48          | 1500                           | min. 20                                      | 50.4                 | 45                 | 125                      | female round | 20                 | 1        |
| 64337 C 48-15                                                                      | 48          | 1500                           | min. 20                                      | 50.4                 | 45                 | 125                      | male         | 20                 | 1        |
| <b>64337 IRC-A 48-30</b>                                                           | 48          | <b>3000</b>                    | min. 20                                      | 50.4                 | 45                 | 125                      | female       | 20                 | 3        |
| <b>64337 IRC-C 48-30</b>                                                           | 48          | <b>3000</b>                    | min. 20                                      | 50.4                 | 45                 | 125                      | male         | 20                 | 3        |
| 64338 AC 48-10                                                                     | 48          | 1000                           | min. 23                                      | 50.4                 | 45                 | 125                      | female, male | 20                 | 1        |
| 64336 A 62-15                                                                      | 62          | 1500                           | min. 28                                      | 50.4                 | 45                 | 125                      | female       | 20                 | 1        |
| 64339 A 105-10                                                                     | 105         | 1000                           | min. 30                                      | 50.4                 | 48                 | 125                      | female       | 20                 | 2        |
| 64339 AC 105-10                                                                    | 105         | 1000                           | min. 30                                      | 50.4                 | 48                 | 125                      | female, male | 20                 | 2        |
| 64339 B 105-10                                                                     | 105         | 1000                           | min. 30                                      | 50.4                 | 48                 | 125                      | female round | 20                 | 2        |
| 64339 C 105-10                                                                     | 105         | 1000                           | min. 30                                      | 50.4                 | 48                 | 125                      | male         | 20                 | 2        |



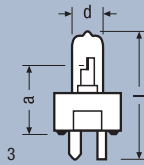
| Product reference                                                                                                            | LIF code | Wattage (W) | Average life <sup>1)</sup> (h) | Luminous flux (lm) | Connector | Filament | Filament dimensions w x h (mm) | a <sup>6)</sup> (mm) | Max. diameter d (mm) | Max. length l <sub>1</sub> (mm) | Max. length l <sub>2</sub> (mm) | Normal pack (pcs.) | Fig. No. |
|------------------------------------------------------------------------------------------------------------------------------|----------|-------------|--------------------------------|--------------------|-----------|----------|--------------------------------|----------------------|----------------------|---------------------------------|---------------------------------|--------------------|----------|
| <b>Lamps with PK30d base, for series operation at 6.6 Ampere (burning position: s90 / vertical-to-horizontal, base down)</b> |          |             |                                |                    |           |          |                                |                      |                      |                                 |                                 |                    |          |
| 64317 C 45-15                                                                                                                | J1/76    | 45          | 1500                           | 800                | male      | C-8      | 1.4 x 3.4                      | 16                   | 13.5                 | max. 36                         | max. 20                         | 100                | 1        |
| <b>64317 IRC-C 45-30</b>                                                                                                     | J1/76    | 45          | <b>3000</b>                    | 800                | male      | C-8      | 2.1 x 2.9                      | 16                   | 15                   | max. 28                         | max. 20                         | 100                | 3        |
| 64318 A 45-15                                                                                                                | J1/77    | 45          | 1500                           | 800                | female    | C-8      | 1.4 x 3.4                      | 16                   | 13.5                 | max. 30                         | max. 20                         | 100                | 1        |
| 64318 Z 45-15 <sup>5)</sup>                                                                                                  | J1/77    | 45          | 1500                           | 800                | male      | C-8      | 1.4 x 3.4                      | 16                   | 13.5                 | max. 30                         | max. 20                         | 100                | 1        |
| 64319 A 45-15                                                                                                                |          | 45          | 1500                           | 800                | female    | C-8      | 1.4 x 3.4                      | 20                   | 13.5                 | max. 34                         | max. 16                         | 100                | 1        |
| 64319 Z 45-15 <sup>5)</sup>                                                                                                  |          | 45          | 1500                           | 800                | male      | C-8      | 1.4 x 3.4                      | 20                   | 13.5                 | max. 34                         | max. 16                         | 100                | 1        |
| <b>64319 IRC-A 45-30</b>                                                                                                     |          | 45          | <b>3000</b>                    | 800                | female    | C-8      | 2.1 x 2.9                      | 20                   | 15                   | max. 32                         | max. 16                         | 100                | 3        |
| 64328 HLX-A 65-15                                                                                                            |          | 65          | 1500                           | 1450               | female    | Cbar-6   | 3.2 x 3.2                      | 20                   | 13.5                 | max. 32                         | max. 16                         | 100                | 2        |
| 64328 HLX-Z 65-15 <sup>5)</sup>                                                                                              |          | 65          | 1500                           | 1450               | male      | Cbar-6   | 3.2 x 3.2                      | 20                   | 13.5                 | max. 32                         | max. 16                         | 100                | 2        |
| 64341 HLX-A 100-15                                                                                                           | J1/79    | 100         | 1500                           | 2700               | female    | Cbar-6   | 5.3 x 3.0                      | 20                   | 13.5                 | max. 32                         | max. 16                         | 100                | 2        |
| 64341 HLX-Z 100-15 <sup>5)</sup>                                                                                             | J1/79    | 100         | 1500                           | 2700               | male      | Cbar-6   | 5.3 x 3.0                      | 20                   | 13.5                 | max. 32                         | max. 16                         | 100                | 2        |
| 64342 HLX-C 100-15                                                                                                           | J1/80    | 100         | 1500                           | 2700               | male      | Cbar-6   | 5.3 x 3.0                      | 20                   | 13.5                 | max. 40                         | max. 16                         | 100                | 2        |
| 64361 HLX-A 150-15                                                                                                           | J1/83    | 150         | 1500                           | 3600               | female    | Cbar-6   | 7.1 x 3.6                      | 20                   | 13.5                 | max. 34                         | max. 16                         | 100                | 2        |
| 64361 HLX-Z 150-15 <sup>5)</sup>                                                                                             | J1/83    | 150         | 1500                           | 3600               | male      | Cbar-6   | 7.1 x 3.6                      | 20                   | 13.5                 | max. 34                         | max. 16                         | 100                | 2        |
| 64382 HLX-A 200-15                                                                                                           | J1/84    | 200         | 1500                           | 4800               | female    | CC-6     | 6.2 x 3.9                      | 20                   | 13.5                 | max. 36                         | max. 21                         | 100                | 2        |
| 64382 HLX-C 200-15                                                                                                           | J1/84    | 200         | 1500                           | 4800               | male      | CC-6     | 6.2 x 3.9                      | 20                   | 13.5                 | max. 36                         | max. 21                         | 100                | 2        |



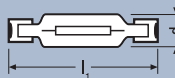
2



3



4



5

| Product reference                               | LIF/ANSI code | Current (A) | Wattage (W) | Base      | Average life (h) | Luminous flux (lm) | Burning position  | Filament | Filament dimensions w x h (mm) | Max. diameter d (mm) | Max. length l <sub>1</sub> (mm) | a (mm) | Normal pack (pcs.) | Fig. No. |
|-------------------------------------------------|---------------|-------------|-------------|-----------|------------------|--------------------|-------------------|----------|--------------------------------|----------------------|---------------------------------|--------|--------------------|----------|
| <b>Single-ended lamps, for series operation</b> |               |             |             |           |                  |                    |                   |          |                                |                      |                                 |        |                    |          |
| 64322                                           | EXL           | 6.6         | 30          | GZ(GY)9.5 | 1500             | 430                | s90               | C-8      | 1.2 x 3.5                      | 11.5                 | max. 44.5                       | 25.4   | 12                 | 3        |
| 64311                                           | J1/59         | 6.0         | 36          | G6.35     | 1500             | 600                | s90               | C-8      | 1.2 x 3.3                      | 11.5                 | max. 47                         | 33     | 40                 | 1        |
| 64321                                           | J1/57         | 6.6         | 45          | G6.35     | 1500             | 900                | s90               | C-8      | 1.3 x 3.6                      | 11.5                 | max. 47                         | 33     | 40                 | 1        |
| 64320                                           | EXM           | 6.6         | 45          | GZ9.5     | 1500             | 900                | s90               | C-8      | 1.4 x 3.3                      | 11.5                 | max. 44.5                       | 25.4   | 12                 | 3        |
| 64346                                           | J1/58         | 6.6         | 100         | G6.35     | 1200             | 2300               | s90 <sup>7)</sup> | Cbar-6   | 3.0 x 4.7                      | 13.5                 | max. 47                         | 33     | 40                 | 2        |
| 64354                                           | EWR           | 6.6         | 150         | GZ(GY)9.5 | 1000             | 3700               | s90               | Cbar-6   | 4.4 x 5.5                      | 13.5                 | max. 63.5                       | 39.1   | 12                 | 3        |
| 64386                                           | J1/39         | 6.6         | 200         | G6.35     | 1500             | 4700               | s90 <sup>7)</sup> | Cbar-6   | 4.6 x 6.8                      | 13.5                 | max. 47                         | 33     | 40                 | 2        |
| 58750                                           | EZL           | 6.6         | 200         | GZ(GY)9.5 | 1300             | 5200               | s90               | CC-6     | 5.5 x 3.8                      | 13                   | 65                              | 39.1   | 12                 | 3        |

| Product reference                               | LIF code | Current (A) | Wattage (W) | Base | Average life (h) | Luminous flux (lm) | Burning position | Filament | Filament dimensions w x h (mm) | Max. diameter d (mm) | Max. length l <sub>1</sub> (mm) | Normal pack (pcs.) | Fig. No. |
|-------------------------------------------------|----------|-------------|-------------|------|------------------|--------------------|------------------|----------|--------------------------------|----------------------|---------------------------------|--------------------|----------|
| <b>Double-ended lamps, for series operation</b> |          |             |             |      |                  |                    |                  |          |                                |                      |                                 |                    |          |
| 64315                                           | J1/78    | 6.6         | 45          | R7S  | 1000             | 750                | any              | C-8      | 4 x 1.5                        | 8.8                  | 47.5                            | 25                 | 4        |
| 64340                                           | J1/82    | 6.6         | 100         | R7S  | 1000             | 2000               | any              | CC-8     | 6 x 2.6                        | 12                   | 60.2                            | 25                 | 5        |
| 64380                                           | J1/40    | 6.6         | 200         | R7S  | 1000             | 4400               | any              | CC-8     | 10 x 3                         | 15                   | 60.2                            | 25                 | 5        |

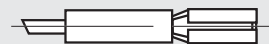
| 1. Reference | 2. Product feature       | 3. Connector | 4. Wattage | 5. Lifetime |
|--------------|--------------------------|--------------|------------|-------------|
| 64331        | FL (Flood)               | A            | 30         | 10 = 1000 h |
| 64333        | SP (Spot)                | B            | 40         | 15 = 1500 h |
| 64337        | IRC (IR-coated)          | C            | 45         | 20 = 2000 h |
| 64336        | HLX (Xenon gas inside)   | AC           | 48         | 30 = 3000 h |
| 64338        | CER (with Ceramic stone) |              | 62         |             |
| 64339        |                          |              | 105        |             |

For example:  
64337 IRC-A 48-30 (64337 IRC lamp with connector A, female, 48W, 3000 h average life)

Label connectors are available in a flat or round design:



Connector A, female  
Complies with DIN 46247



Connector B, female round  
For contacts Ø 4 mm



Connector C, male flat  
Complies with DIN 46248

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- At 6.6 A
- At 0° direction and at 6.6 A
- Spot adjustment
- Flood adjustment
- Male connector Z/C complies with DIN 46248
- Reference plane for length "a" is the upper plane of the adjustment ring; this must be considered when designing optical systems
- Despite transverse filament, can be inclined at any angle in 90° position

### General information

Sales and deliveries are subject to the OSRAM terms of supply and payment valid on the day the sales agreement is signed. Operating data and dimensions are subject to the usual slight tolerances. OSRAM reserves the right to make technical modifications without notice. All supplies subject to availability.