

## Halogen (> 130 V) Single End

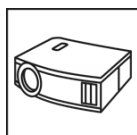


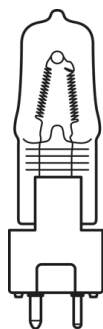
### Areas of application

- Stage & Theatre
- Studio, TV, & Film
- Professional Photography
- Club & Disco

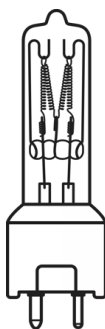
### Product features and benefits

- Robust construction for lasting performance
- Consistent color over the life of the lamps
- Instant on and nearly constant luminous flux over the life of the lamp
- Broad product portfolio supporting the stage and studio markets
- Dimmable with traditional amber shift

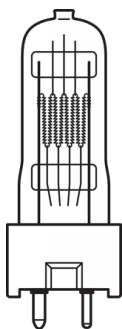




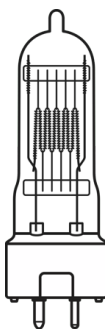
Halogen Lamp 64662



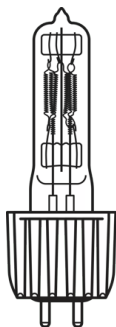
HALOGEN STUDIO LAMP 64673



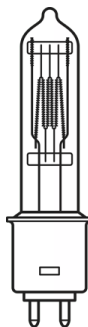
HALOGEN LAMP 93591, 93592



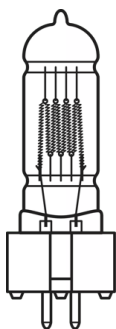
HALOGEN STUDIO LAMP 64670



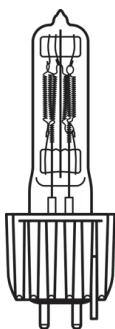
HPL 575W



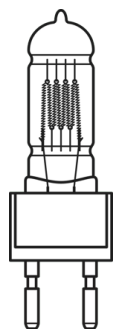
HALOGEN STUDIO LAMP 64716



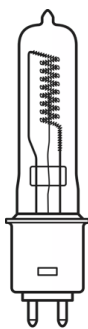
HALOGEN STUDIO LAMP 64744



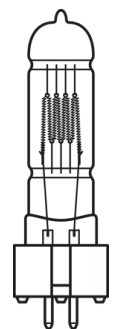
HPL 750W



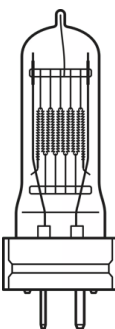
HALOGEN STUDIO LAMP 64756



HALOGEN STUDIO LAMP 93734

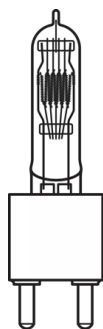


HALOGEN STUDIO LAMP 64754



HALOGEN STUDIO LAMP 64788

## Product family datasheet



HALOGEN STUDIO LAMP 64789



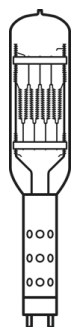
HALOGEN STUDIO LAMP 64777, 64787, 64796



HALOGEN STUDIO LAMP 64805



HALOGEN STUDIO LAMP 64815



HALOGEN STUDIO LAMP 64818

## Product family datasheet

### Technical data

| Product description             | General Product Information |          | Electrical Data | Photometric Data      |
|---------------------------------|-----------------------------|----------|-----------------|-----------------------|
|                                 | ANSI code                   | LIF code | Nominal voltage | Nominal luminous flux |
| 64502 150 W 230 V               | -                           | -        | 230 V           | 4000 lm               |
| 64502 150 W 240 V               | -                           | -        | 240 V           | 4000 lm               |
| 64505 200 W 230 V <sup>1)</sup> | -                           | -        | 230 V           | 5100 lm               |
| 64515 300 W 230 V <sup>1)</sup> | -                           | -        | 230 V           | 9600 lm               |
| 64516 300 W 230 V <sup>1)</sup> | -                           | CP/97    | 230 V           | 7900 lm               |
| 64662 300 W 230 V <sup>2)</sup> | -                           | M38      | 230 V           | 5000 lm               |
| 64673 300 W 230 V               | FSL                         | CP/81    | 230 V           | 6800 lm               |
| 64515 300 W 240 V <sup>1)</sup> | -                           | -        | 240 V           | 8900 lm               |
| 64516 300 W 240 V <sup>1)</sup> | -                           | CP/97    | 240 V           | 7800 lm               |
| 64673 300 W 240 V               | FSK                         | CP/81    | 240 V           | 6800 lm               |
| 93592 400 W 230 V <sup>3)</sup> | -                           | -        | 230 V           | 8000 lm               |
| 64670 500 W 230 V               | GCV                         | T/25     | 230 V           | 11000 lm              |
| 64680 500 W 230 V               | -                           | A1/244   | 230 V           | 14500 lm              |
| 64672 500 W 230 V               | -                           | M40      | 230 V           | 8500 lm               |
| 64674 500 W 230 V               | FRH                         | CP/82    | 230 V           | 13500 lm              |
| 64680 500 W 240 V               | -                           | A1/244   | 240 V           | 14500 lm              |
| 64672 500 W 240 V               | -                           | M40      | 240 V           | 8500 lm               |
| 64670 500 W 240 V               | GCV/GVH                     | T/25     | 240 V           | 11000 lm              |
| HPL 93728 575 W 230 V           | -                           | -        | 230 V           | 14900 lm              |
| HPL 93728 LL 575 W 230 V        | -                           | -        | 230 V           | 11780 lm              |
| HPL 93728 LL 575 W 240 V        | -                           | -        | 240 V           | 11780 lm              |
| HPL 93728 575 W 240 V           | -                           | -        | 240 V           | 14900 lm              |
| 64716 600 W 230 V               | GKV                         | -        | 230 V           | 13500 lm              |
| 64716 600 W 240 V               | GKV                         | -        | 240 V           | 13500 lm              |
| 64540 650 W 230 V               | BVM                         | -        | 230 V           | 20000 lm              |
| 64719 650 W 230 V               | -                           | T/12     | 230 V           | 12000 lm              |
| 64720 650 W 230 V               | -                           | CP/23    | 230 V           | 16800 lm              |
| 64718 650 W 230 V               | GCK/GCT                     | T/27     | 230 V           | 14850 lm              |
| 64717 650 W 230 V               | FRL                         | CP/89    | 230 V           | 16250 lm              |
| 64540 650 W 240 V               | BVM                         | -        | 240 V           | 20000 lm              |
| 64718 650 W 240 V               | GCK/GCT                     | T/27     | 240 V           | 14850 lm              |
| 64717 650 W 240 V               | FRM                         | CP/89    | 240 V           | 17000 lm              |
| 64686 650 W 240 V               | -                           | -        | 240 V           |                       |
| HPL 93729 LL 750 W 230 V        | -                           | -        | 230 V           | 15600 lm              |
| HPL 93729 750 W 230 V           | -                           | -        | 230 V           | 19750 lm              |
| HPL 93729 750 W 240 V           | -                           | -        | 240 V           | 19750 lm              |
| HPL 93729 LL 750 W 240 V        | -                           | -        | 240 V           | 15600 lm              |
| 64678 800 W 230 V               | -                           | -        | 230 V           | 20000 lm              |
| 64748XS 1000W 230V              | -                           | -        | 230 V           | 25000 lm              |
| 64744 1000 W 230 V              | FWP                         | T/19     | 230 V           | 20500 lm              |
| 64745 1000 W 230 V              | FVA                         | CP/70    | 230 V           | 26000 lm              |

## Product family datasheet

| Product description | General Product Information |          | Electrical Data | Photometric Data      |
|---------------------|-----------------------------|----------|-----------------|-----------------------|
|                     | ANSI code                   | LIF code | Nominal voltage | Nominal luminous flux |
| 64747 1000 W 230 V  | FKJ                         | CP/71    | 230 V           | 26000 lm              |
| 64744 1000 W 240 V  | FWP                         | T/19     | 240 V           | 20500 lm              |
| 64745 1000 W 240 V  | FVA                         | CP/70    | 240 V           | 26000 lm              |
| 64747 1000 W 240 V  | FKJ                         | CP/71    | 240 V           | 26000 lm              |
| 64748XS 1000W 240V  | -                           | -        | 240 V           | 25000 lm              |
| 93734 1000 W 240 V  | FEP                         | CP/77    | 240 V           | 23000 lm              |
| 64752 1200 W 230 V  | FWS                         | T/29     | 230 V           | 29000 lm              |
| 64752 1200 W 240 V  | FWS                         | T/29     | 240 V           | 29000 lm              |
| 64754 1200 W 230 V  | -                           | CP/90    | 230 V           | 30000 lm              |
| 64756 1200 W 230 V  | -                           | CP/93    | 230 V           | 30000 lm              |
| 64788 2000 W 230 V  | FTM                         | CP/72    | 230 V           | 52000 lm              |
| 64789 2000 W 230 V  | FKK                         | CP/73    | 230 V           | 52000 lm              |
| 64787 2000 W 230 V  | -                           | CP/75    | 230 V           | 52000 lm              |
| 64777 2000 W 230 V  | -                           | CP/92    | 230 V           | 52000 lm              |
| 64788 2000 W 240 V  | FTM                         | CP/72    | 240 V           | 52000 lm              |
| 64789 2000 W 240 V  | FKK/FKP                     | CP/73    | 240 V           | 52000 lm              |
| 64796 2500 W 230 V  | -                           | CP/91    | 230 V           | 65000 lm              |
| 64805 5000 W 230 V  | -                           | CP/85    | 230 V           | 135000 lm             |
| 64805 5000 W 240 V  | -                           | CP/85    | 240 V           | 135000 lm             |
| 64815 10000 W 230 V | ECR                         | CP/83    | 230 V           | 280000 lm             |
| 64818 20000 W 230 V | BCM                         | CP/99    | 230 V           | 570000 lm             |
| HAL 12000W 240V     | -                           | -        | 240 V           | 420000 lm             |
| HAL 24000W 240V     | -                           | -        | 240 V           | 840000 lm             |

| Product description             | Useful luminous flux (Φ <sub>use</sub> ) | Φ <sub>use</sub> value refers to luminous flux | Illuminated field            | Color temperature |
|---------------------------------|------------------------------------------|------------------------------------------------|------------------------------|-------------------|
| 64502 150 W 230 V               | 3675 lm                                  | 360                                            | 13.0*1.9 mm <sup>2</sup>     | 3200 K            |
| 64502 150 W 240 V               | 3760 lm                                  | 360                                            | 13.0*1.9 mm <sup>2</sup>     | 3200 K            |
| 64505 200 W 230 V <sup>1)</sup> | 5795 lm                                  | 360                                            | 9.6*12.5 mm <sup>2</sup>     | 3200 K            |
| 64515 300 W 230 V <sup>1)</sup> | 10035 lm                                 | 360                                            | 9.8*12.5 mm <sup>2</sup>     | 3300 K            |
| 64516 300 W 230 V <sup>1)</sup> | 8140 lm                                  | 360                                            | 9.8*12.5 mm <sup>2</sup>     | 3150 K            |
| 64662 300 W 230 V <sup>2)</sup> | 5010 lm                                  | 360                                            | 9.0*11.0 mm <sup>2</sup>     | 2900 K            |
| 64673 300 W 230 V               | 6675 lm                                  | 360                                            | 6.5*13 mm <sup>2</sup>       | 3100 K            |
| 64515 300 W 240 V <sup>1)</sup> | 9685 lm                                  | 360                                            | 10.0*12.5 mm <sup>2</sup>    | 3350 K            |
| 64516 300 W 240 V <sup>1)</sup> | 8170 lm                                  | 360                                            | 9.7*12.5 mm <sup>2</sup>     | 3150 K            |
| 64673 300 W 240 V               | 6875 lm                                  | 360                                            | 6.5*13 mm <sup>2</sup>       | 3100 K            |
| 93592 400 W 230 V <sup>3)</sup> | 7405 lm                                  | 360                                            | 10.7*12.2 mm <sup>2</sup>    | 3200 K            |
| 64670 500 W 230 V               | 10280 lm                                 | 360                                            | 11.0*11.0 mm <sup>2</sup>    | 3000 K            |
| 64680 500 W 230 V               | 12725 lm                                 | 360                                            | 10.0*10.0 mm <sup>2 2)</sup> | 3200 K            |
| 64672 500 W 230 V               | 7905 lm                                  | 360                                            | 12.0*11.0 mm <sup>2</sup>    | 2900 K            |
| 64674 500 W 230 V               | 12540 lm                                 | 360                                            | 8.0*18 mm <sup>2</sup>       | 3200 K            |
| 64680 500 W 240 V               | 11670 lm                                 | 360                                            | 10.0*10.0 mm <sup>2 2)</sup> | 3200 K            |
| 64672 500 W 240 V               | 7405 lm                                  | 360                                            | 12.0*11.0 mm <sup>2</sup>    | 2900 K            |

## Product family datasheet

| Product description      | Useful luminous flux<br>(Φuse) | Φuse value refers to<br>luminous flux | Illuminated field            | Color temperature |
|--------------------------|--------------------------------|---------------------------------------|------------------------------|-------------------|
| 64670 500 W 240 V        | 10510 lm                       | 360                                   | 11.0*11.0 mm <sup>2</sup>    | 3000 K            |
| HPL 93728 575 W 230 V    | 13165 lm                       | 360                                   | 9.5*11.5 mm <sup>2</sup> 4)  | 3200 K            |
| HPL 93728 LL 575 W 230 V | 10365 lm                       | 360                                   | 14.5*11.0 mm <sup>2</sup> 4) | 3050 K            |
| HPL 93728 LL 575 W 240 V | 11745 lm                       | 360                                   | 14.0*14.0 mm <sup>2</sup> 4) | 3050 K            |
| HPL 93728 575 W 240 V    | 13280 lm                       | 360                                   | 9.5*11.5 mm <sup>2</sup> 4)  | 3200 K            |
| 64716 600 W 230 V        | 14210 lm                       | 360                                   | 9.0*13.0 mm <sup>2</sup>     | 3050 K            |
| 64716 600 W 240 V        | 13770 lm                       | 360                                   | 9.0*13.0 mm <sup>2</sup>     | 3050 K            |
| 64540 650 W 230 V        | 19825 lm                       | 360                                   | 14.0*15.0 mm <sup>2</sup>    | 3400 K            |
| 64719 650 W 230 V        | 11280 lm                       | 360                                   | 13.0*11.0 mm <sup>2</sup>    | 3000 K            |
| 64720 650 W 230 V        | 15270 lm                       | 360                                   | 13.0*17.0 mm <sup>2</sup> 2) | 3200 K            |
| 64718 650 W 230 V        | 13865 lm                       | 360                                   | 10.0*10.0 mm <sup>2</sup>    | 3000 K            |
| 64717 650 W 230 V        | 16415 lm                       | 360                                   | 26.0*33.0 mm <sup>2</sup>    | 3200 K            |
| 64540 650 W 240 V        | 20890 lm                       | 360                                   | 14.0*15.0 mm <sup>2</sup>    | 3400 K            |
| 64718 650 W 240 V        | 13650 lm                       | 360                                   | 10.0*10.0 mm <sup>2</sup>    | 3000 K            |
| 64717 650 W 240 V        | 15980 lm                       | 360                                   | 26.0*33.0 mm <sup>2</sup>    | 3200 K            |
| 64686 650 W 240 V        |                                |                                       |                              | 3200 K            |
| HPL 93729 LL 750 W 230 V | 15595 lm                       | 360                                   | 15.5*11.0 mm <sup>2</sup> 4) | 3050 K            |
| HPL 93729 750 W 230 V    | 17885 lm                       | 360                                   | 7.5*11.5 mm <sup>2</sup> 4)  | 3200 K            |
| HPL 93729 750 W 240 V    | 16895 lm                       | 360                                   | 7.5*11.5 mm <sup>2</sup> 4)  | 3200 K            |
| HPL 93729 LL 750 W 240 V | 13960 lm                       | 360                                   | 15.5*11.0 mm <sup>2</sup> 4) | 3050 K            |
| 64678 800 W 230 V        | 19415 lm                       | 360                                   | 9.0*13.0 mm <sup>2</sup>     | 3200 K            |
| 64748XS 1000W 230V       | 21395 lm                       | 360                                   |                              | 3200 K            |
| 64744 1000 W 230 V       | 20350 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3000 K            |
| 64745 1000 W 230 V       | 24205 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3200 K            |
| 64747 1000 W 230 V       | 23780 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3200 K            |
| 64744 1000 W 240 V       | 21640 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3000 K            |
| 64745 1000 W 240 V       | 24735 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3200 K            |
| 64747 1000 W 240 V       | 24685 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3200 K            |
| 64748XS 1000W 240V       | 23920 lm                       | 360                                   |                              | 3200 K            |
| 93734 1000 W 240 V       | 22940 lm                       | 360                                   | 5.7*27.0 mm <sup>2</sup>     | 3200 K            |
| 64752 1200 W 230 V       | 29440 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3000 K            |
| 64752 1200 W 240 V       | 30425 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3000 K            |
| 64754 1200 W 230 V       | 29685 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3200 K            |
| 64756 1200 W 230 V       | 30130 lm                       | 360                                   | 13.0*15.0 mm <sup>2</sup>    | 3200 K            |
| 64788 2000 W 230 V       | 44615 lm                       | 360                                   | 20.0*19.0 mm <sup>2</sup>    | 3200 K            |
| 64789 2000 W 230 V       | 46095 lm                       | 360                                   | 20.0*19.0 mm <sup>2</sup>    | 3200 K            |
| 64787 2000 W 230 V       | 47755 lm                       | 360                                   | 20.0*19.0 mm <sup>2</sup>    | 3200 K            |
| 64777 2000 W 230 V       | 45430 lm                       | 360                                   | 20.0*19.0 mm <sup>2</sup>    | 3200 K            |
| 64788 2000 W 240 V       | 49340 lm                       | 360                                   | 20.0*19.0 mm <sup>2</sup>    | 3200 K            |
| 64789 2000 W 240 V       | 48560 lm                       | 360                                   | 20.0*19.0 mm <sup>2</sup>    | 3200 K            |
| 64796 2500 W 230 V       | 63885 lm                       | 360                                   | 20.0*19.0 mm <sup>2</sup>    | 3200 K            |
| 64805 5000 W 230 V       | 153010 lm                      | 360                                   | 26.0*33.0 mm <sup>2</sup>    | 3200 K            |
| 64805 5000 W 240 V       | 128460 lm                      | 360                                   | 26.0*33.0 mm <sup>2</sup>    | 3200 K            |
| 64815 10000 W 230 V      | 250800 lm                      | 360                                   | 60.0*35.0 mm <sup>2</sup>    | 3200 K            |

## Product family datasheet

| Product description | Useful luminous flux<br>( $\Phi_{\text{use}}$ ) | $\Phi_{\text{use}}$ value refers to<br>luminous flux | Illuminated field         | Color temperature |
|---------------------|-------------------------------------------------|------------------------------------------------------|---------------------------|-------------------|
| 64818 20000 W 230 V | 501600 lm                                       | 360                                                  | 67.0°50.0 mm <sup>2</sup> | 3200 K            |
| HAL 12000W 240V     |                                                 |                                                      |                           | 3400 K            |
| HAL 24000W 240V     |                                                 |                                                      |                           | 3400 K            |

| Product description             | Correlated color<br>temperature CCT | Chromaticity<br>coordinate x | Chromaticity<br>coordinate y | Color rendering index<br>Ra |
|---------------------------------|-------------------------------------|------------------------------|------------------------------|-----------------------------|
| 64502 150 W 230 V               | 3232 K                              | 0.422                        | 0.400                        | 100                         |
| 64502 150 W 240 V               | 3208 K                              | 0.423                        | 0.400                        | 100                         |
| 64505 200 W 230 V <sup>1)</sup> | 3300 K                              | 0.418                        | 0.398                        | 100                         |
| 64515 300 W 230 V <sup>1)</sup> | 3458 K                              | 0.408                        | 0.393                        | 100                         |
| 64516 300 W 230 V <sup>1)</sup> | 3215 K                              | 0.423                        | 0.400                        | 100                         |
| 64662 300 W 230 V <sup>2)</sup> | 2902 K                              | 0.444                        | 0.407                        | 100                         |
| 64673 300 W 230 V               | 3140 K                              | 0.431                        | 0.403                        | 100                         |
| 64515 300 W 240 V <sup>1)</sup> | 3400 K                              | 0.412                        | 0.395                        | 100                         |
| 64516 300 W 240 V <sup>1)</sup> | 3222 K                              | 0.423                        | 0.400                        | 100                         |
| 64673 300 W 240 V               | 3090 K                              | 0.431                        | 0.403                        | 100                         |
| 93592 400 W 230 V <sup>3)</sup> | 3097 K                              | 0.430                        | 0.402                        | 100                         |
| 64670 500 W 230 V               | 3034 K                              | 0.435                        | 0.403                        | 100                         |
| 64680 500 W 230 V               | 3231 K                              | 0.422                        | 0.398                        | 100                         |
| 64672 500 W 230 V               | 2883 K                              | 0.446                        | 0.407                        | 100                         |
| 64674 500 W 230 V               | 3208 K                              | 0.424                        | 0.400                        | 100                         |
| 64680 500 W 240 V               | 3227 K                              | 0.422                        | 0.398                        | 100                         |
| 64672 500 W 240 V               | 2842 K                              | 0.449                        | 0.408                        | 100                         |
| 64670 500 W 240 V               | 3076 K                              | 0.432                        | 0.402                        | 100                         |
| HPL 93728 575 W 230 V           | 3090 K                              | 0.431                        | 0.402                        | 100                         |
| HPL 93728 LL 575 W 230 V        | 2916 K                              | 0.443                        | 0.406                        | 100                         |
| HPL 93728 LL 575 W 240 V        | 2978 K                              | 0.439                        | 0.405                        | 100                         |
| HPL 93728 575 W 240 V           | 3082 K                              | 0.431                        | 0.402                        | 100                         |
| 64716 600 W 230 V               | 3118 K                              | 0.429                        | 0.401                        | 100                         |
| 64716 600 W 240 V               | 3099 K                              | 0.430                        | 0.402                        | 100                         |
| 64540 650 W 230 V               | 3365 K                              | 0.414                        | 0.396                        | 100                         |
| 64719 650 W 230 V               | 2902 K                              | 0.443                        | 0.406                        | 100                         |
| 64720 650 W 230 V               | 3141 K                              | 0.425                        | 0.400                        | 100                         |
| 64718 650 W 230 V               | 3068 K                              | 0.432                        | 0.402                        | 100                         |
| 64717 650 W 230 V               | 3201 K                              | 0.423                        | 0.399                        | 100                         |
| 64540 650 W 240 V               | 3359 K                              | 0.414                        | 0.396                        | 100                         |
| 64718 650 W 240 V               | 3053 K                              | 0.433                        | 0.403                        | 100                         |
| 64717 650 W 240 V               | 3172 K                              | 0.425                        | 0.400                        | 100                         |
| 64686 650 W 240 V               |                                     |                              |                              |                             |
| HPL 93729 LL 750 W 230 V        | 3038 K                              | 0.434                        | 0.403                        | 100                         |
| HPL 93729 750 W 230 V           | 3115 K                              | 0.429                        | 0.401                        | 100                         |
| HPL 93729 750 W 240 V           | 3069 K                              | 0.432                        | 0.403                        | 100                         |
| HPL 93729 LL 750 W 240 V        | 2929 K                              | 0.442                        | 0.406                        | 100                         |



## Product family datasheet

| Product description | Correlated color temperature CCT | Chromaticity coordinate x | Chromaticity coordinate y | Color rendering index Ra |
|---------------------|----------------------------------|---------------------------|---------------------------|--------------------------|
| 64678 800 W 230 V   | 3146 K                           | 0.427                     | 0.400                     | 100                      |
| 64748XS 1000W 230V  | 3141 K                           | 0.427                     | 0.400                     | 100                      |
| 64744 1000 W 230 V  | 3014 K                           | 0.430                     | 0.403                     | 100                      |
| 64745 1000 W 230 V  | 3130 K                           | 0.426                     | 0.400                     | 100                      |
| 64747 1000 W 230 V  | 3127 K                           | 0.426                     | 0.401                     | 100                      |
| 64744 1000 W 240 V  | 3021 K                           | 0.434                     | 0.403                     | 100                      |
| 64745 1000 W 240 V  | 3132 K                           | 0.409                     | 0.401                     | 100                      |
| 64747 1000 W 240 V  | 3127 K                           | 0.422                     | 0.401                     | 100                      |
| 64748XS 1000W 240V  | 3121 K                           | 0.428                     | 0.401                     | 100                      |
| 93734 1000 W 240 V  | 3080 K                           | 0.431                     | 0.402                     | 100                      |
| 64752 1200 W 230 V  | 3131 K                           | 0.426                     | 0.400                     | 100                      |
| 64752 1200 W 240 V  | 3134 K                           | 0.426                     | 0.401                     | 100                      |
| 64754 1200 W 230 V  | 3137 K                           | 0.426                     | 0.400                     | 100                      |
| 64756 1200 W 230 V  | 3143 K                           | 0.426                     | 0.400                     | 100                      |
| 64788 2000 W 230 V  | 3128 K                           | 0.428                     | 0.401                     | 100                      |
| 64789 2000 W 230 V  | 3139 K                           | 0.427                     | 0.400                     | 100                      |
| 64787 2000 W 230 V  | 3143 K                           | 0.427                     | 0.401                     | 100                      |
| 64777 2000 W 230 V  | 3145 K                           | 0.427                     | 0.400                     | 100                      |
| 64788 2000 W 240 V  | 3150 K                           | 0.427                     | 0.400                     | 100                      |
| 64789 2000 W 240 V  | 3142 K                           | 0.427                     | 0.400                     | 100                      |
| 64796 2500 W 230 V  | 3172 K                           | 0.425                     | 0.400                     | 100                      |
| 64805 5000 W 230 V  | 3237 K                           | 0.421                     | 0.398                     | 100                      |
| 64805 5000 W 240 V  | 3171 K                           | 0.425                     | 0.400                     | 100                      |
| 64815 10000 W 230 V | 3200 K                           | 0.423                     | 0.400                     | 100                      |
| 64818 20000 W 230 V | 3200 K                           | 0.428                     | 0.402                     | 100                      |
| HAL 12000W 240V     | 3319 K                           | 0.416                     | 0.396                     | 100                      |
| HAL 24000W 240V     | 3372 K                           | 0.413                     | 0.395                     |                          |

| Product description             | Light center length (LCL) - (in) | Luminous efficacy | Light center length (LCL) | Physical Attributes & Dimensions |
|---------------------------------|----------------------------------|-------------------|---------------------------|----------------------------------|
|                                 |                                  |                   |                           | Lamp base                        |
| 64502 150 W 230 V               |                                  |                   |                           | GX6.35-20                        |
| 64502 150 W 240 V               |                                  |                   |                           | GX6.35                           |
| 64505 200 W 230 V <sup>1)</sup> |                                  |                   |                           | GX6.35                           |
| 64515 300 W 230 V <sup>1)</sup> | 1.053 in                         |                   |                           | GX6.35                           |
| 64516 300 W 230 V <sup>1)</sup> | 1.053 in                         |                   |                           | GX6.35                           |
| 64662 300 W 230 V <sup>2)</sup> |                                  |                   |                           | GY9.5                            |
| 64673 300 W 230 V               |                                  | 25 lm/W           | 46.5 mm                   | GY9.5                            |
| 64515 300 W 240 V <sup>1)</sup> |                                  |                   |                           | GX6.35                           |
| 64516 300 W 240 V <sup>1)</sup> |                                  |                   |                           | GX6.35                           |
| 64673 300 W 240 V               |                                  | 25 lm/W           | 46.5 mm                   | GY9.5                            |
| 93592 400 W 230 V <sup>3)</sup> |                                  |                   |                           | GY9.5                            |

## Product family datasheet

|                          |                                  |                   |                           | Physical Attributes & Dimensions |
|--------------------------|----------------------------------|-------------------|---------------------------|----------------------------------|
| Product description      | Light center length (LCL) - (in) | Luminous efficacy | Light center length (LCL) | Lamp base                        |
| 64670 500 W 230 V        | 1.83 in                          |                   | 46.5 mm                   | GY9.5                            |
| 64680 500 W 230 V        |                                  |                   | 36.5 mm                   | GY9.5                            |
| 64672 500 W 230 V        |                                  |                   |                           | GY9.5                            |
| 64674 500 W 230 V        |                                  | 27 lm/W           | 46.5 mm                   | GY9.5                            |
| 64680 500 W 240 V        |                                  |                   | 36.5 mm                   | GY9.5                            |
| 64672 500 W 240 V        |                                  |                   |                           | GY9.5                            |
| 64670 500 W 240 V        | 1.83 in                          |                   | 46.5 mm                   | GY9.5                            |
| HPL 93728 575 W 230 V    | 2.352 in                         |                   | 60.3 mm                   | G9.5 w/Hsink                     |
| HPL 93728 LL 575 W 230 V | 2.352 in                         |                   | 60.3 mm                   | G9.5 w/Hsink                     |
| HPL 93728 LL 575 W 240 V | 2.352 in                         |                   | 60.3 mm                   | G9.5 w/Hsink                     |
| HPL 93728 575 W 240 V    |                                  |                   | 60.3 mm                   | G9.5 w/Hsink                     |
| 64716 600 W 230 V        | 2.38 in                          | 22.4 lm/W         | 60.5 mm                   | G9.5                             |
| 64716 600 W 240 V        | 2.38 in                          | 23 lm/W           | 60.5 mm                   | G9.5                             |
| 64540 650 W 230 V        |                                  |                   |                           | GX6.35                           |
| 64719 650 W 230 V        |                                  |                   | 55.0 mm                   | GX9.5                            |
| 64720 650 W 230 V        |                                  | 25.85 lm/W        | 55.0 mm                   | GX9.5                            |
| 64718 650 W 230 V        | 1.83 in                          | 22.3 lm/W         | 46.5 mm                   | GY9.5                            |
| 64717 650 W 230 V        | 1.83 in                          | 25 lm/W           | 46.5 mm                   | GY9.5                            |
| 64540 650 W 240 V        |                                  |                   |                           | GX6.35                           |
| 64718 650 W 240 V        | 1.83 in                          | 22.3 lm/W         | 46.5 mm                   | GY9.5                            |
| 64717 650 W 240 V        | 1.83 in                          | 26 lm/W           | 46.5 mm                   | GY9.5                            |
| 64686 650 W 240 V        |                                  |                   |                           | GY9.5                            |
| HPL 93729 LL 750 W 230 V | 2.352 in                         |                   | 60.3 mm                   | G9.5 w/Hsink                     |
| HPL 93729 750 W 230 V    | 2.352 in                         |                   | 60.3 mm                   | G9.5 w/Hsink                     |
| HPL 93729 750 W 240 V    | 2.352 in                         |                   | 60.3 mm                   | G9.5 w/Hsink                     |
| HPL 93729 LL 750 W 240 V | 2.352 in                         |                   | 60.3 mm                   | G9.5 w/Hsink                     |
| 64678 800 W 230 V        | 60.52 in                         | 25 lm/W           | 60.5 mm                   | G9.5                             |
| 64748XS 1000W 230V       |                                  |                   |                           | GY9.5                            |
| 64744 1000 W 230 V       |                                  | 20.5 lm/W         | 55.0 mm                   | GX9.5                            |
| 64745 1000 W 230 V       |                                  |                   | 55.0 mm                   | GX9.5                            |
| 64747 1000 W 230 V       | 2.477 in                         |                   | 63.5 mm                   | G22/28x42                        |
| 64744 1000 W 240 V       |                                  | 20.5 lm/W         | 55.0 mm                   | GX9.5                            |
| 64745 1000 W 240 V       |                                  | 26 lm/W           | 55.0 mm                   | GX9.5                            |
| 64747 1000 W 240 V       |                                  | 26 lm/W           | 63.5 mm                   | G22                              |
| 64748XS 1000W 240V       |                                  |                   |                           | GY9.5                            |
| 93734 1000 W 240 V       | 2.352 in                         | 23 lm/W           | 60.3 mm                   | G9.5                             |
| 64752 1200 W 230 V       |                                  | 23.8 lm/W         | 67.0 mm                   | GX9.5                            |
| 64752 1200 W 240 V       |                                  | 23.8 lm/W         | 67.0 mm                   | GX9.5                            |
| 64754 1200 W 230 V       |                                  | 25 lm/W           | 67.0 mm                   | GX9.5                            |
| 64756 1200 W 230 V       |                                  | 25 lm/W           | 63.5 mm                   | G22                              |
| 64788 2000 W 230 V       | 2.76 in                          | 25.4 lm/W         | 70.0 mm                   | GY16                             |
| 64789 2000 W 230 V       | 4.953 in                         | 25.4 lm/W         | 127.0 mm                  | G38/50                           |

## Product family datasheet

|                     |                                  |                   |                           | Physical Attributes & Dimensions |
|---------------------|----------------------------------|-------------------|---------------------------|----------------------------------|
| Product description | Light center length (LCL) - (in) | Luminous efficacy | Light center length (LCL) | Lamp base                        |
| 64787 2000 W 230 V  | 2.95 in                          | 25.4 lm/W         | 75.0 mm                   | G22                              |
| 64777 2000 W 230 V  | 3.54 in                          | 25.4 lm/W         | 90.0 mm                   | G22                              |
| 64788 2000 W 240 V  | 2.76 in                          |                   | 70.0 mm                   | GY16                             |
| 64789 2000 W 240 V  | 5 in                             | 25.4 lm/W         | 127.0 mm                  | G38/50                           |
| 64796 2500 W 230 V  | 3.54 in                          | 26 lm/W           | 90.0 mm                   | G22                              |
| 64805 5000 W 230 V  | 6.5 in                           |                   | 165.0 mm                  | G38                              |
| 64805 5000 W 240 V  | 6.5 in                           | 27 lm/W           | 165.0 mm                  | G38/50                           |
| 64815 10000 W 230 V | 10 in                            | 28.5 lm/W         | 254.0 mm                  | G38/50                           |
| 64818 20000 W 230 V | 13.806 in                        | 28.5 lm/W         | 354.0 mm                  | G38                              |
| HAL 12000W 240V     |                                  |                   |                           | G38                              |
| HAL 24000W 240V     |                                  |                   |                           | G38                              |

| Product description             | Operating Conditions |          |            | Lifetime Data    |
|---------------------------------|----------------------|----------|------------|------------------|
|                                 | Burning position     | Dimmable | Cooling    | Nominal lifetime |
| 64502 150 W 230 V               | Any                  | Yes      |            | 50 hr            |
| 64502 150 W 240 V               | Any                  | Yes      |            | 50 hr            |
| 64505 200 W 230 V <sup>1)</sup> | s90                  | Yes      |            | 25 hr            |
| 64515 300 W 230 V <sup>1)</sup> | s90                  | Yes      |            | 15 hr            |
| 64516 300 W 230 V <sup>1)</sup> | s90                  | Yes      |            | 75 hr            |
| 64662 300 W 230 V <sup>2)</sup> | Any                  | Yes      |            | 2000 hr          |
| 64673 300 W 230 V               | Any                  | Yes      |            | 200 hr           |
| 64515 300 W 240 V <sup>1)</sup> | s90                  | Yes      |            | 15 hr            |
| 64516 300 W 240 V <sup>1)</sup> | s90                  | Yes      |            | 75 hr            |
| 64673 300 W 240 V               | Any                  | Yes      |            | 200 hr           |
| 93592 400 W 230 V <sup>3)</sup> | s90                  | Yes      |            | 75 hr            |
| 64670 500 W 230 V               | s90                  | Yes      |            | 300 hr           |
| 64680 500 W 230 V               | Any                  | Yes      |            | 50 hr            |
| 64672 500 W 230 V               | Any                  | Yes      |            | 2000 hr          |
| 64674 500 W 230 V               | Any                  | Yes      |            | 200 hr           |
| 64680 500 W 240 V               | Any                  | Yes      |            | 50 hr            |
| 64672 500 W 240 V               | Any                  | Yes      |            | 2000 hr          |
| 64670 500 W 240 V               | s90                  | Yes      |            | 300 hr           |
| HPL 93728 575 W 230 V           | Any                  | Yes      |            | 400 hr           |
| HPL 93728 LL 575 W 230 V        | Any                  | Yes      |            | 1500 hr          |
| HPL 93728 LL 575 W 240 V        | Any                  | Yes      |            | 1500 hr          |
| HPL 93728 575 W 240 V           | Any                  | Yes      |            | 400 hr           |
| 64716 600 W 230 V               | s90                  | Yes      | Convection | 300 hr           |
| 64716 600 W 240 V               | s90                  | Yes      | Convection | 300 hr           |
| 64540 650 W 230 V               | Any                  | Yes      |            | 15 hr            |
| 64719 650 W 230 V               | s90                  | Yes      |            | 750 hr           |
| 64720 650 W 230 V               | s90                  | Yes      |            | 100 hr           |
| 64718 650 W 230 V               | s90                  | Yes      |            | 400 hr           |

## Product family datasheet

| Product description      | Operating Conditions |          |            | Lifetime Data    |
|--------------------------|----------------------|----------|------------|------------------|
|                          | Burning position     | Dimmable | Cooling    | Nominal lifetime |
| 64717 650 W 230 V        | s90                  | Yes      |            | 150 hr           |
| 64540 650 W 240 V        | Any                  | Yes      |            | 15 hr            |
| 64718 650 W 240 V        | s90                  | Yes      |            | 400 hr           |
| 64717 650 W 240 V        | s90                  | Yes      |            | 150 hr           |
| 64686 650 W 240 V        | Other                |          |            | 50 hr            |
| HPL 93729 LL 750 W 230 V | Any                  | Yes      |            | 1500 hr          |
| HPL 93729 750 W 230 V    | Any                  | Yes      |            | 300 hr           |
| HPL 93729 750 W 240 V    | Any                  | Yes      |            | 300 hr           |
| HPL 93729 LL 750 W 240 V | Any                  | Yes      |            | 1500 hr          |
| 64678 800 W 230 V        | s90                  | Yes      | Convection | 250 hr           |
| 64748XS 1000W 230V       | S180                 | Yes      |            | 250 hr           |
| 64744 1000 W 230 V       | s90                  | Yes      |            | 750 hr           |
| 64745 1000 W 230 V       | s90                  | Yes      |            |                  |
| 64747 1000 W 230 V       | s90                  | Yes      |            | 200 hr           |
| 64744 1000 W 240 V       | s90                  | Yes      |            | 750 hr           |
| 64745 1000 W 240 V       | s90                  | Yes      |            |                  |
| 64747 1000 W 240 V       | s90                  | Yes      |            |                  |
| 64748XS 1000W 240V       | S180                 | Yes      |            | 250 hr           |
| 93734 1000 W 240 V       | Any                  | Yes      |            | 150 hr           |
| 64752 1200 W 230 V       | s90                  | Yes      |            | 400 hr           |
| 64752 1200 W 240 V       | s90                  | Yes      |            | 400 hr           |
| 64754 1200 W 230 V       | s90                  | Yes      |            | 200 hr           |
| 64756 1200 W 230 V       | s90                  | Yes      |            | 200 hr           |
| 64788 2000 W 230 V       | s90                  | Yes      |            | 400 hr           |
| 64789 2000 W 230 V       | s90                  | Yes      |            | 400 hr           |
| 64787 2000 W 230 V       | s90                  | Yes      |            | 400 hr           |
| 64777 2000 W 230 V       | s90                  | Yes      |            | 400 hr           |
| 64788 2000 W 240 V       | s90                  | Yes      |            | 400 hr           |
| 64789 2000 W 240 V       | s90                  | Yes      |            | 400 hr           |
| 64796 2500 W 230 V       | s90                  | Yes      |            | 400 hr           |
| 64805 5000 W 230 V       | s90                  | Yes      |            | 400 hr           |
| 64805 5000 W 240 V       | s90                  | Yes      |            | 400 hr           |
| 64815 10000 W 230 V      | Other                | Yes      |            | 400 hr           |
| 64818 20000 W 230 V      | Other                | Yes      |            | 350 hr           |
| HAL 12000W 240V          | s45                  | Yes      |            | 130 hr           |
| HAL 24000W 240V          | s45                  | Yes      |            | 150 hr           |

| Product description | Environmental & Regulatory Information                                |                                    |                                    |                         |
|---------------------|-----------------------------------------------------------------------|------------------------------------|------------------------------------|-------------------------|
|                     | Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |                                    |                         |
|                     | Primary article identifier                                            | Declaration no. in SCIP database   | Candidate list substance 1         | Energy efficiency class |
| 64502 150 W 230 V   | 4008321746054   4052899080751   4052899363250                         | No declarable substances contained | No declarable substances contained |                         |
| 64502 150 W 240 V   | 4052899363236   4052899080775                                         | No declarable substances contained | No declarable substances contained |                         |

## Product family datasheet

| Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                               |                                    |                                    |                         |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|------------------------------------|-------------------------|
| Product description                                                                                             | Primary article identifier    | Declaration no. in SCIP database   | Candidate list substance 1         | Energy efficiency class |
| 64505 200 W 230 V <sup>1)</sup>                                                                                 | 4008321098436   4008321746078 | No declarable substances contained | No declarable substances contained |                         |
| 64515 300 W 230 V <sup>1)</sup>                                                                                 | 4008321098696   4008321746153 | No declarable substances contained | No declarable substances contained |                         |
| 64516 300 W 230 V <sup>1)</sup>                                                                                 | 4008321746191   4008321098733 | No declarable substances contained | No declarable substances contained |                         |
| 64662 300 W 230 V <sup>2)</sup>                                                                                 | 4008321097873   4052899015449 | No declarable substances contained | No declarable substances contained | G                       |
| 64673 300 W 230 V                                                                                               | 4008321099785   4052899015463 | No declarable substances contained | No declarable substances contained | G                       |
| 64515 300 W 240 V <sup>1)</sup>                                                                                 | 4008321746177                 | No declarable substances contained | No declarable substances contained |                         |
| 64516 300 W 240 V <sup>1)</sup>                                                                                 | 4008321746214   4008321098757 | No declarable substances contained | No declarable substances contained |                         |
| 64673 300 W 240 V                                                                                               | 4052899015487   4008321099808 | No declarable substances contained | No declarable substances contained | G                       |
| 93592 400 W 230 V <sup>3)</sup>                                                                                 | 4050300481531                 | No declarable substances contained | No declarable substances contained | G                       |
| 64670 500 W 230 V                                                                                               | 4008321624017                 | No declarable substances contained | No declarable substances contained | G                       |
| 64680 500 W 230 V                                                                                               | 4008321098573                 | No declarable substances contained | No declarable substances contained | G                       |
| 64672 500 W 230 V                                                                                               | 4008321098559                 | No declarable substances contained | No declarable substances contained | G                       |
| 64674 500 W 230 V                                                                                               | 4008321099822   4052899015500 | No declarable substances contained | No declarable substances contained | G                       |
| 64680 500 W 240 V                                                                                               | 4008321098597                 | No declarable substances contained | No declarable substances contained | G                       |
| 64672 500 W 240 V                                                                                               | 4008321098535                 | No declarable substances contained | No declarable substances contained | G                       |
| 64670 500 W 240 V                                                                                               | 4050300283449   4008321624031 | No declarable substances contained | No declarable substances contained | G                       |
| HPL 93728 575 W 230 V                                                                                           | 4050300461816                 | No declarable substances contained | No declarable substances contained | G                       |
| HPL 93728 LL 575 W 230 V                                                                                        | 4008321090102                 | No declarable substances contained | No declarable substances contained | G                       |
| HPL 93728 LL 575 W 240 V                                                                                        | 4008321174444                 | No declarable substances contained | No declarable substances contained | G                       |
| HPL 93728 575 W 240 V                                                                                           | 4050300461830                 | No declarable substances contained | No declarable substances contained | G                       |
| 64716 600 W 230 V                                                                                               | 4008321623973                 | No declarable substances contained | No declarable substances contained | G                       |
| 64716 600 W 240 V                                                                                               | 4008321623997                 | No declarable substances contained | No declarable substances contained | G                       |
| 64540 650 W 230 V                                                                                               | 4052899158221                 | No declarable substances contained | No declarable substances contained |                         |
| 64719 650 W 230 V                                                                                               | 4008321638076                 | No declarable substances contained | No declarable substances contained | G                       |

## Product family datasheet

| Product description      | Environmental & Regulatory Information                                |                                    |                                    |                         |
|--------------------------|-----------------------------------------------------------------------|------------------------------------|------------------------------------|-------------------------|
|                          | Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |                                    |                         |
|                          | Primary article identifier                                            | Declaration no. in SCIP database   | Candidate list substance 1         | Energy efficiency class |
| 64720 650 W 230 V        | 4008321638090   4050300017716                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64718 650 W 230 V        | 4008321624253                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64717 650 W 230 V        | 4008321624215                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64540 650 W 240 V        | 4052899158245                                                         | No declarable substances contained | No declarable substances contained |                         |
| 64718 650 W 240 V        | 4008321624277                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64717 650 W 240 V        | 4008321624239                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64686 650 W 240 V        | 4008321098511                                                         | In work                            |                                    |                         |
| HPL 93729 LL 750 W 230 V | 4008321090324                                                         | No declarable substances contained | No declarable substances contained | G                       |
| HPL 93729 750 W 230 V    | 4050300654201                                                         | No declarable substances contained | No declarable substances contained | G                       |
| HPL 93729 750 W 240 V    | 4050300654225   4052899246898                                         | No declarable substances contained | No declarable substances contained | G                       |
| HPL 93729 LL 750 W 240 V | 4052899246911   4008321174468                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64678 800 W 230 V        | 4050300609102   4008321624055                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64748XS 1000W 230V       | 4052899545366                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64744 1000 W 230 V       | 4008321554833                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64745 1000 W 230 V       | 4008321468611                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64747 1000 W 230 V       | 4008321468635   4062172147071                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64744 1000 W 240 V       | 4008321554857                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64745 1000 W 240 V       | 4008321468659                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64747 1000 W 240 V       | 4008321468741                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64748XS 1000W 240V       | 4052899545380                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 93734 1000 W 240 V       | 4050300350073                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64752 1200 W 230 V       | 4008321624475                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64752 1200 W 240 V       | 4008321624499                                                         | No declarable substances contained | No declarable substances contained | G                       |
| 64754 1200 W 230 V       | 4008321624529                                                         | No declarable substances contained | No declarable substances contained | G                       |

## Product family datasheet

| Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                               |                                    |                                    |                         |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|------------------------------------|-------------------------|
| Product description                                                                                             | Primary article identifier    | Declaration no. in SCIP database   | Candidate list substance 1         | Energy efficiency class |
| 64756 1200 W 230 V                                                                                              | 4050300296722   4008321624550 | No declarable substances contained | No declarable substances contained | G                       |
| 64788 2000 W 230 V                                                                                              | 4008321632173                 | No declarable substances contained | No declarable substances contained | G                       |
| 64789 2000 W 230 V                                                                                              | 4008321654021                 | No declarable substances contained | No declarable substances contained | G                       |
| 64787 2000 W 230 V                                                                                              | 4008321653994                 | No declarable substances contained | No declarable substances contained | G                       |
| 64777 2000 W 230 V                                                                                              | 4008321632197                 | No declarable substances contained | No declarable substances contained | G                       |
| 64788 2000 W 240 V                                                                                              | 4008321632180   4050300283258 | No declarable substances contained | No declarable substances contained | G                       |
| 64789 2000 W 240 V                                                                                              | 4008321654038                 | No declarable substances contained | No declarable substances contained | G                       |
| 64796 2500 W 230 V                                                                                              | 4050300406428   4008321653987 | No declarable substances contained | No declarable substances contained | G                       |
| 64805 5000 W 230 V                                                                                              | 4052899129566                 | No declarable substances contained | No declarable substances contained |                         |
| 64805 5000 W 240 V                                                                                              | 4052899129573   4008321664532 | No declarable substances contained | No declarable substances contained |                         |
| 64815 10000 W 230 V                                                                                             | 4050300780696                 | No declarable substances contained | No declarable substances contained | G                       |
| 64818 20000 W 230 V                                                                                             | 4050300782713   4008321792051 | No declarable substances contained | No declarable substances contained | G                       |
| HAL 12000W 240V                                                                                                 | 4062172409339                 | In work                            |                                    |                         |
| HAL 24000W 240V                                                                                                 | 4062172409377                 | In work                            |                                    |                         |

<sup>1)</sup> With quartz pinch technology

<sup>2)</sup> With monoplane filament

<sup>3)</sup> Available on request

<sup>4)</sup> Type of filament 6-C8

## Product family datasheet

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### Safety advice

To prevent personal injury or damage to property, halogen lamps may only be operated in suitable luminaires designed with suitable mechanisms (protective shields, grids, etc.) to ensure that in the event of a lamp bursting no parts/shards can escape and that during operation no ultraviolet radiation can escape. There must also be a warning sign to indicate that the lamps give off high levels of heat. Detailed information is available on request.

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### Application advice

For more detailed application information and graphics please see product datasheet.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.