

TUNGSRAM™

Innovation is our heritage
EST. 1896

Entertainment lamp catalogue



tungsr.com



Table of contents

| | |
|----------------------------|----|
| Introduction | 3 |
| Film and broadcast | 4 |
| Theatre | 10 |
| Event and concert tours | 22 |
| Club and disco | 26 |
| Projection and photography | 32 |
| Cross reference | 36 |

_____ 2

Specialty Lamps

We are a leading supplier to the entertainment industry, with a range of lamp technologies sold under the SHOWBIZ® brand including incandescent, halogen, metal halide and low energy compact fluorescent. Our ranges encompass everything from low watt to 24 000W products with bases to fit most known fixtures, and are used in applications such as:

- Film and broadcast (including studio and location)
- Events and concert tours
- Club and disco
- Theatre
- Specialist projection (e.g. photographic studio)

_____ 3



Film and broadcast

The show can go on with Tungsram's Discharge Hot Restrike lamps. Our products offer excellent color rendering, superior color stability and high reliability. Perfect solution in any application of the entertainment industry, where high luminance is required. Besides the Hot Restrike Discharge lamps, Tungsram's Film and Broadcast range offers Single Ended Halogen and Cinema Studio Biax™ light sources.

4



Cinema Studio Biax™

Wattage: 55W
Lumens: 2 400 — 4 100
CCT: 3200 & 5600K
Rated life: Up to 8 000 h



Discharge Hot Restrike

Wattages: 125 — 18 000W
Lumens: 9 800 — 1 650 000
CCT: 6000K
Rated life: Up to 1 000 h



Single Ended Halogen

Cap: G38 / GX38 / GX38q
Wattages: 1900 — 24 000W
Rated life: 100 — 500 h

| Wattage (W) | Volts | Cap | Product description | Tungram Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty |
|----------------------------|-------|------------|---------------------------------|----------------------|-----------------|------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|
| Cinema Studio Biax™ | | | | | | | | | | | | | |
| 55 | - | 2G11-4 PIN | F55BX/STUDIOBIAX32 GE 1/10 | 93110354 | 41869 | 4 100 | 3200 | 8 000 | 55 | 43.8 | U | A | 10 |
| 55 | - | 2G11-4 PIN | F55BX/STUDIOBIAX56 GE 1/10 | 93110355 | 41873 | 4 100 | 5600 | 8 000 | 55 | 43.8 | U | A | 10 |
| 55 | - | 2G11-4 PIN | F55BX/CINPLUS/55 GE 1/10/40 MIH | 93110786 | 41911 | 2 400 | 5600 | 2 000 | 55 | 43.8 | U | B | 10 |



6 Film and broadcast



Discharge Hot Restrike

| | | | | | | | | | | | | | |
|--------|-----|-----------------|-----------------------------|----------|----------|-----------|------|-----|-----|-----------|---------|----|----|
| 125 | 80 | GZX9.5 | CSR125/SE/HR | 93106378 | 48461 | 9 800 | 6000 | 200 | 75 | 15.9 | U | A | 10 |
| 200 | 70 | GZY9.5 | CSR200/SE/HR/UV-C | 93106379 | 48462 | 17 500 | 6000 | 200 | 80 | 19 | U | A | 10 |
| 400 | 70 | GZZ9.5 | CSR400/SE/HR/UV-C | 93106221 | 21853 | 32 000 | 6000 | 750 | 110 | 14 | U | A | 10 |
| 575 | 95 | G22 | CSR575/SE/HR/UV-C | 93110787 | 69061 | 48 000 | 6000 | 750 | 145 | 31 | U | A | 10 |
| 800 | 95 | G22 | CSR800/SE/HR/UV-C | 93106222 | 22495 | 64 000 | 5600 | 750 | 145 | 30 | U | A | 10 |
| 1200 | 100 | G38 | CSR1200/SE/HR/UV-C | 93106223 | 27764 | 110 000 | 6000 | 750 | 200 | 42 +1 -1 | U | A+ | 6 |
| 1600 | 150 | G22 | CSR1600/SE/HR/UV-C | 93106386 | 65754 | 130 000 | 6000 | 500 | 175 | 40 | U | A+ | 6 |
| 1700 | 85 | PG28 | CSR1700/TAL/60/P28 Easy Fit | 93104482 | 93108711 | 150000 | 6000 | 750 | 123 | 23 | U | A+ | 10 |
| 1800 | 150 | G38 | CSR 1800/SE/HR | 93106389 | 77390 | 165 000 | 6000 | 750 | 200 | 42 +1 -1 | U | A+ | 6 |
| 2500 | 115 | G38 | CSR 2500/SE/HR/UV-C | 93106225 | 40482 | 220 000 | 6000 | 500 | 240 | 60 +1 -2 | U | A | 6 |
| 4000 | 200 | G38 | CSR4000/SE/HR/UV-C | 93106224 | 27765 | 380 000 | 6000 | 500 | 260 | 75 +1 -2 | U | A+ | 6 |
| 6000 | 130 | G38 | CSR 6000/SE/HR/UV-C | 93106376 | 40492 | 540 000 | 6000 | 300 | 360 | 85 +1 -3 | U | A+ | 6 |
| 9000 | 160 | G38 | CSR9000/SE/HR | 93106387 | 65852 | 875 000 | 6000 | 400 | 360 | 85 +1 -3 | U | A+ | 6 |
| 12 000 | 225 | G38 | CSR12000/SE/HR/UV-C | 93106397 | 97272 | 1 150 000 | 6000 | 300 | 450 | 103 +1 -3 | U | A+ | 4 |
| 18 000 | 225 | 30x70 Cyl 165mm | CSR18000/DE | 93106377 | 48459 | 1 650 000 | 6000 | 500 | 500 | 73 | HOR±15° | A+ | 4 |
| 18 000 | 225 | GX51 | CSR18000/SE/HR | 93106417 | 93085427 | 1 650 000 | 6000 | 250 | 470 | 103 +1 -3 | U | A+ | 10 |

7 Film and broadcast

| Wattage (W) | Volts | Cap | Product description | Tungram Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty | LIF Code | ANSI Code | |
|-----------------------------|---------|-------|------------------------------------|----------------------|-----------------|-----------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|----------|-----------|--|
| Single Ended Halogen | | | | | | | | | | | | | | | | |
| 1250+650 | 230-240 | GX38q | CP105 1250/650W 230-240V | 93106395 | 88880 | 27 000 + 13 000 | 3050 | 250 | 220 | 55 | BD45 | D | 1 | CP105 | - | |
| 1250+1250 | 230-240 | GX38q | CP30 230- 240V | 93106393 | 88877 | 27 000 + 27 000 | 3200 | 300 | 220 | 55 | BD45 | D | 1 | CP30 | - | |
| 1250+2500 | 230-240 | GX38q | CP58 230-240V | 93106394 | 88878 | 27 000 + 59 000 | 3200 | 300 | 220 | 70 | BD45 | C | 1 | CP58 | - | |
| 5000 | 240 | G38 | HX5000 240V | 93106388 | 71379 | 133 000 | 3200 | 200 | 270 | 65 | U | C | 6 | - | - | |
| 5000 | 230 | G38 | CP29 230V | 93106391 | 88875 | 13 500 | 3200 | 375 | 279 | 65 | BDTH | C | 12 | CP29 | - | |
| 5000 | 240 | G38 | CP29 240V | 93106392 | 88876 | 13 000 | 3200 | 375 | 279 | 65 | BDTH | C | 12 | CP29 | - | |
| 10 000 | 220-230 | G38 | OT CP83 220-230V 10000W BX 1/1 Mij | 93106218 | 12036 | 280 000 | 3200 | 500 | 405 | 85 | BDTH | C | 1 | CP83 | - | |
| 10 000 | 240 | G38 | OT CP83 240V 10000W BX 1/1 Mij | 93106219 | 12037 | 280 000 | 3200 | 500 | 405 | 85 | BDTH | C | 1 | CP83 | - | |
| 12 000 | 230 | GX38 | Q12MT26/CL 230V | 93106380 | 48771 | 400 000 | 3400 | 130 | 410 | 26 | BD45 | B | 1 | - | - | |
| 12 000 | 240 | GX38 | Q12MT26/CL 240V | 93106383 | 48779 | 400 000 | 3400 | 130 | 410 | 26 | BD45 | C | 1 | - | - | |
| 20 000 | 240 | GX38 | BCM Q20MT32/4CL 240 | 93106381 | 48774 | 580 000 | 3200 | 400 | 560 | 32 | BD45 | C | 1 | - | BCM | |
| 24 000 | 240 | GX38 | Q24MT32/CL 240V | 93106382 | 48777 | 800 000 | 3400 | 150 | 560 | 103 | BD45 | B | 1 | - | - | |

8 Film and broadcast



9 Film and broadcast

Theatre

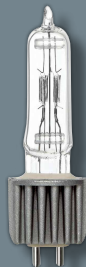
Light up the performance with Halogen lamps. Optimized design and manufacturing excellence ensure the finest quality of light, to bring the art to life on stage. A large variety of products, including both single-, and double-ended lamp types support the compatibility with most common fixtures used in theatrical lighting.

10



Double Ended Quartzline

Lumens: 12 800 — 57 000
Wattages: 500 — 2000W
Rated life: 75 — 400 h



Single Ended Halogen HPL

Lumens: 8 000 — 22 000
Wattages: 375 — 750W
Rated life: 300 — 2 000 h



Single Ended Halogen

Lumens: 6 900 — 82 000
Wattages: 300 — 3000W
Rated life: Up to 2 000 h

| Wattage (W) | Volts | Cap | Product description | Tungram Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty | LIF Code | ANSI Code |
|--------------------------------|-------|-----|------------------------------------|----------------------|-----------------|------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|----------|-----------|
| Double Ended Quartzline | | | | | | | | | | | | | | | |
| 500 | 120 | R7s | TU FDF Q500T3/4CL MIH | 93106448 | 23735 | 13 250 | 3200 | 400 | 119 | 10 | BDTH | C | 12 | P2/30 | DFD |
| 625 | 230 | R7s | TU P2/10 Q625T3/4CL 220/230V MIH | 93106439 | 19697 | 16 900 | 3200 | 300 | 189 | 10 | HOR±15° | C | 12 | P2/10 | - |
| 625 | 240 | R7s | TU P2/10 Q625T3/4CL 240/250V MIH | 93106440 | 19698 | 16 900 | 3200 | 300 | 189 | 10 | HOR±15° | C | 12 | P2/10 | - |
| 650 | 120 | R7s | FAD Q650T4/CL P2/6 | 93106453 | 30325 | 16 500 | 3200 | 100 | 80 | 12.7 | U | C | 24 | P2/6 | FAD |
| 750 | 120 | R7s | TU EJG Q750T3/4CL MIH | 93106449 | 23756 | 20 600 | 3200 | 400 | 119 | 10 | HOR±15° | C | 12 | - | EJG |
| 800 | 240 | R7s | TU P2/11 EME Q800T3/4CL 240V MIH | 93106450 | 23760 | 22 000 | 3200 | 150 | 119 | 10 | HOR±15° | C | 12 | P2/11 | EME |
| 800 | 240 | R7s | DXX 800-T4-4CL 240V | 93106455 | 36953 | 21 400 | 3200 | 75 | 80 | 15 | U | C | 24 | P2/13 | DXX |
| 1000 | 230 | R7s | TU P2/7 EKM Q1MT3/4CL 220/230V MIH | 93106441 | 20249 | 28 000 | 3200 | 300 | 189 | 10 | HOR±15° | C | 12 | P2/7 | EKM |
| 1000 | 240 | R7s | TU P2/7 EKM Q1MT3/4CL 240/250V MIH | 93106442 | 20253 | 28 000 | 3200 | 300 | 189 | 10 | HOR±15° | C | 12 | P2/7 | EKM |
| 1000 | 120 | R7s | TU FCM P2/28 Q1000T3/4CL MIH | 93106451 | 23797 | 28 000 | 3200 | 400 | 119 | 10 | HOR±15° | C | 12 | P2/28 | FCM |
| 1250 | 240 | R7s | TU P2/12 Q1250T3/4CL 240/250V MIH | 93106438 | 19696 | 35 000 | 3200 | 300 | 189 | 10 | HOR±15° | C | 12 | P2/12 | - |
| 2000 | 240 | R7s | P2/27 FEX 240V | 93106515 | 88481 | 50 000 | 3200 | 300 | 143 | 26.5 | HOR±15° | C | 12 | P2/27 | FEX |
| 2000 | 230 | R7s | P2/27 FEX 230V | 93106514 | 88482 | 50 000 | 3200 | 300 | 143 | 26.5 | HOR±15° | C | 12 | P2/27 | FEX |

12 Theatre



13 Theatre

| Wattage (W) | Volts | Cap | Product description | Tungsrn Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty |
|----------------------------|-------|----------------|----------------------|----------------------|-----------------|------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|
| Single Ended Halogen - HPL | | | | | | | | | | | | | |
| 575 | 115 | G9.5/Heat Sink | HPL575/LL/C 115V 115 | 93106471 | 88435 | 12 360 | 3050 | 2 000 | 106 | 18 | U | D | 12 |
| 575 | 120 | G9.5/Heat Sink | HPL 575-C 120V | 93106472 | 88436 | 16 520 | 3250 | 300 | 106 | 18 | U | C | 12 |
| 575 | 115 | G9.5/Heat Sink | HPL 575-C 115V | 93106474 | 88438 | 16 520 | 3250 | 300 | 106 | 18 | U | C | 12 |
| 575 | 240 | G9.5/Heat Sink | HPL 575W LL 240V | 93106510 | 88475 | 11 780 | 3050 | 1 500 | 106 | 18 | U | D | 12 |
| 575 | 230 | G9.5/Heat Sink | HPL 575W LL 230V | 93106511 | 88476 | 11 780 | 3050 | 1 500 | 106 | 18 | U | D | 12 |
| 575 | 240 | G9.5/Heat Sink | HPL 575W 240V | 93106512 | 88477 | 14 900 | 3200 | 300 | 106 | 18 | U | D | 12 |
| 575 | 230 | G9.5/Heat Sink | HPL 575W 230V | 93106513 | 88478 | 14 900 | 3200 | 300 | 106 | 18 | U | C | 12 |
| 750 | 115 | G9.5/Heat Sink | HPL 750W-XLL-C 115V | 93106465 | 88428 | 16 400 | 3050 | 2 000 | 106 | 18 | U | D | 12 |
| 750 | 240 | G9.5/Heat Sink | HPL 750W LL 240V | 93106466 | 88429 | 15 600 | 3050 | 1 500 | 106 | 18 | U | D | 12 |
| 750 | 230 | G9.5/Heat Sink | HPL 750W LL 230V | 93106467 | 88430 | 15 600 | 3050 | 1 500 | 106 | 18 | U | D | 12 |
| 750 | 115 | G9.5/Heat Sink | HPL 750-C 115V | 93106473 | 88437 | 22 000 | 3250 | 300 | 106 | 18 | U | C | 12 |
| 750 | 240 | G9.5/Heat Sink | HPL 750W 240V | 93106508 | 88473 | 19 750 | 3200 | 300 | 106 | 18 | U | C | 12 |
| 750 | 230 | G9.5/Heat Sink | HPL 750W 230V | 93106509 | 88474 | 19 750 | 3200 | 300 | 106 | 18 | U | C | 12 |

14 Theatre



15 Theatre

| Wattage (W) | Volts | Cap | Product description | Tungsramp Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty | LIF Code | ANSI Code |
|-----------------------------|---------|-------|---------------------|------------------------|-----------------|------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|----------|-----------|
| Single Ended Halogen | | | | | | | | | | | | | | | |
| 300 | 230 | GY9.5 | CP81 FSL 230V | 93106470 | 88433 | 6 900 | 3200 | 150 | 90 | 15 | BDTH | C | 24 | CP81 | FSL |
| 300 | 120 | GY9.5 | CP81 FKW 120V | 93106478 | 88443 | 6 900 | 3200 | 50 | 90 | 15 | BDTH | D | 24 | CP81 | FKW |
| 300 | 240 | GY9.5 | CP81 FSK 240V | 93106479 | 88444 | 6 900 | 3200 | 150 | 90 | 15 | BDTH | D | 24 | CP81 | FSK |
| 500 | 230-240 | P28s | T28 230-240V | 93106486 | 88451 | 11 000 | 3000 | 300 | 130 | 19 | BDTH | C | 12 | T28 | - |
| 500 | 240 | GY9.5 | CP82 FRJ 240V | 93106499 | 88464 | 12 500 | 3200 | 150 | 90 | 23 | BDTH | C | 24 | CP82 | FRJ |
| 500 | 230-240 | GY9.5 | T18 GCW 230- 240V | 93106500 | 88465 | 11 000 | 3050 | 400 | 90 | 23 | BDTH | C | 24 | T18 | GCW |
| 500 | 230 | GY9.5 | CP82 FRH 230V | 93106501 | 88466 | 12 500 | 3200 | 150 | 90 | 23 | BDTH | C | 24 | CP82 | FRH |
| 500 | 120 | GY9.5 | CP82 FRG 120V | 93106502 | 88467 | 13 000 | 3200 | 150 | 90 | 23 | BDTH | C | 24 | CP82 | FRG |
| 500 | 230-240 | GY9.5 | T25 230-240V | 93106505 | 88470 | 11 000 | 3000 | 360 | 90 | 23 | BDTH | C | 24 | T25 | GCW |
| 500 | 230-240 | P28s | T17 FKF 230- 240V | 93106522 | 88498 | 9 500 | 2950 | 750 | 130 | 23 | BDTH | D | 12 | T17 | - |
| 500 | 120 | P28s | BTM 120V | 93106539 | 88546 | 13 000 | 3200 | 150 | 130 | 19 | BDTH | C | 12 | - | BTM |
| 500 | 120 | G9.5 | EHD 120V | 93106551 | 88624 | 10 450 | 2950 | 2 000 | 101.6 | 18 | U | D | 24 | - | EHD |
| 575 | 115 | G9.5 | GLC 575W HP 115V | 93106463 | 88423 | 14 500 | 3200 | 300 | 105 | 18 | U | D | 24 | - | GLC |

16 Theatre

| | | | | | | | | | | | | | | | |
|------|---------|-------|--------------------------|----------|-------|--------|------|-------|-----|------|------|---|----|-------|-----|
| 600 | 240 | G9.5 | GKV LL 240V 600W | 93106480 | 88445 | 11 000 | 3000 | 1 500 | 105 | 18 | U | D | 24 | - | GKV |
| 600 | 230 | G9.5 | GKV LL 230V 600W | 93106481 | 88446 | 11 000 | 3000 | 1 500 | 105 | 18 | U | D | 24 | - | GKV |
| 600 | 240 | G9.5 | GKV 600W 240V G9.5 | 93106482 | 88447 | 14 000 | 3200 | 250 | 105 | 18 | U | C | 24 | - | GKV |
| 600 | 230 | G9.5 | GKV 600W 230V G9.5 | 93106483 | 88448 | 14 000 | 3200 | 250 | 105 | 18 | U | C | 24 | - | GKV |
| 650 | 230 | GX9.5 | CP23 230V | 93106459 | 72680 | 16 900 | 3200 | 100 | 110 | 23 | BDTH | C | 12 | CP23 | - |
| 650 | 230-240 | GX9.5 | T12 230-240V | 93106468 | 88431 | 13 500 | 3000 | 750 | 110 | 23 | BDTH | D | 12 | T12 | - |
| 650 | 230-240 | G9.5 | FKR 230-240V | 93106485 | 88450 | 15 000 | 3100 | 300 | 105 | 18 | U | C | 24 | - | FKR |
| 650 | 230-240 | GX9.5 | CP23 230-240V | 93106490 | 88455 | 16 900 | 3200 | 100 | 110 | 23 | BDTH | C | 12 | CP23 | - |
| 650 | 230-240 | GY9.5 | CP89 FRM 230- 240V | 93106496 | 88461 | 16 250 | 3200 | 150 | 90 | 23 | BDTH | C | 24 | CP89 | FRM |
| 650 | 120 | GY9.5 | CP89 FRK 120V | 93106497 | 88462 | 16 900 | 3200 | 200 | 90 | 23 | BDTH | C | 24 | CP89 | - |
| 650 | 230-240 | GY9.5 | T26 GCS 230- 240V | 93106498 | 88463 | 15 500 | 3100 | 400 | 90 | 23 | BDTH | C | 24 | T26 | GCS |
| 650 | 230-240 | GY9.5 | T27 230-240V | 93106504 | 88469 | 14 500 | 3050 | 400 | 90 | 23 | BDTH | C | 24 | T27 | GCS |
| 650 | 230-240 | P28s | T13 FKB 230- 240V | 93106521 | 88497 | 13 500 | 3000 | 750 | 130 | 23 | BDTH | D | 12 | T13 | - |
| 650 | 230-240 | G22 | CP39 FKH 230- 240V | 93106534 | 88531 | 16 900 | 3200 | 100 | 140 | 23 | BDTH | C | 12 | CP39 | FKH |
| 750 | 120 | P28s | BTN-Q750T7/CL/2P 120 | 93106542 | 88605 | 17 600 | 3050 | 500 | 121 | 21.6 | BDTH | C | 12 | - | BTN |
| 750 | 120 | G22 | EGR-Q750T7/4CL 120 | 93106549 | 88621 | 21 000 | 3200 | 200 | 127 | 21.6 | BDTH | C | 12 | - | EGR |
| 750 | 120 | G9.5 | EHG Q750/CL/TP 750W 120V | 93106553 | 88626 | 16 500 | 3000 | 300 | 105 | 18 | U | E | 24 | - | FLK |
| 800 | 230-240 | G9.5 | GKV 800W 230-240V | 93106469 | 88432 | 20 000 | 3200 | 250 | 105 | 18 | U | C | 24 | HX800 | - |
| 1000 | 120 | G38 | Q1000T7BP 120 | 93106476 | 88441 | 21 700 | 3200 | 750 | 200 | 23 | BD | D | 6 | - | - |

17 Theatre

| Wattage (W) | Volts | Cap | Product description | Tungstam Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty | LIF Code | ANSI Code |
|-----------------------------|---------|-------|-----------------------|-----------------------|-----------------|------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|----------|-----------|
| Single Ended Halogen | | | | | | | | | | | | | | | |
| 1000 | 230-240 | G9.5 | CP77 FEP 230- 240V | 93106484 | 88449 | 25 000 | 3200 | 300 | 105 | 19 | U | C | 24 | CP77 | FEP |
| 1000 | 230-240 | GX9.5 | T11 230-240V | 93106491 | 88456 | 23 000 | 3050 | 750 | 110 | 23 | BDTH | C | 12 | T11 | - |
| 1000 | 230-240 | GX9.5 | T19 FWR 230-240V | 93106492 | 88457 | 21 000 | 3050 | 750 | 110 | 23 | BDTH | D | 12 | T19 | FWR |
| 1000 | 230 | G22 | CP40 FKJ 230V | 93106493 | 88458 | 26 000 | 3200 | 200 | 140 | 23 | BDTH | C | 12 | CP40 | FKJ |
| 1000 | 230-240 | GX9.5 | CP24 230-240V | 93106494 | 88459 | 26 000 | 3200 | 200 | 110 | 23 | BDTH | C | 12 | CP24 | - |
| 1000 | 240 | GX9.5 | CP70 FVA 240V | 93106506 | 88471 | 25 000 | 3200 | 200 | 110 | 23 | BDTH | C | 12 | CP70 | FVB |
| 1000 | 230 | GX9.5 | CP70 FVA 230V | 93106507 | 88472 | 25 000 | 3200 | 200 | 110 | 23 | BDTH | C | 12 | CP70 | FVA |
| 1000 | 230-240 | P28s | CP52 FKN 230-240V | 93106520 | 88496 | 26 000 | 3200 | 200 | 121 | 23 | BDTH | C | 12 | CP52 | FKN |
| 1000 | 115/120 | GX9.5 | T11 115-120V | 93106530 | 88515 | 23 500 | 3050 | 750 | 110 | 23 | BDTH | D | 24 | T11 | - |
| 1000 | 230-240 | P28s | T14 FKD 230- 240V | 93106533 | 88529 | 23 000 | 3050 | 750 | 130 | 23 | BDTH | C | 12 | T14 | - |
| 1000 | 240 | G22 | CP40 FKJ 240V | 93106537 | 88538 | 26 000 | 3200 | 200 | 140 | 23 | BDTH | C | 12 | CP40 | FKJ |
| 1000 | 120 | P28s | BTR-Q1000T7/4CL/2P120 | 93106543 | 88607 | 28 500 | 3200 | 250 | 121 | 21.6 | BDTH | C | 12 | - | BTR |
| 1000 | 120 | P40s | BVT-Q1MT7/CL/MP 120V | 93106544 | 88608 | 24 500 | 3050 | 500 | 184 | 21.6 | BDTH | C | 6 | - | BVT |

18 Theatre

| | | | | | | | | | | | | | | | |
|------|---------|-------|-----------------------|----------|----------|--------|-------|-----|-----|------|------|---|----|-------|-----|
| 1000 | 120 | G22 | EGT-Q1000T7/4CL 120V | 93106550 | 88622 | 28 500 | 3200 | 250 | 127 | 21.6 | BDTH | C | 12 | - | EGT |
| 1000 | 120 | G9.5 | FEL Q1000/4CL 120V | 93106552 | 88625 | 27 500 | 3200 | 300 | 105 | 18 | U | C | 24 | CP77 | FEL |
| 1000 | 120 | P40s | BVV-Q1MT7/4CL/MP | 93106556 | 88631 | 28 500 | 3200 | 200 | 184 | 21.6 | BDTH | C | 6 | - | BVV |
| 1000 | 230 | GY9.5 | GAB 230V 1000W | 93106558 | 93082618 | 25 000 | 3 200 | 250 | 88 | 23 | BD | C | 12 | - | GAB |
| 1000 | 240 | GY9.5 | GAD 240V 1000W | 93106559 | 93082619 | 25 000 | 3 200 | 250 | 88 | 23 | BD | C | 12 | - | GAD |
| 1200 | 80 | G22 | CP110 OC-1200 80V | 93106475 | 88439 | 37 500 | 3300 | 300 | 140 | 26.5 | BDTH | C | 12 | - | - |
| 1200 | 230-240 | GX9.5 | CP90 230-240V | 93106488 | 88453 | 33 000 | 3200 | 200 | 110 | 23 | BDTH | C | 12 | CP90 | - |
| 1200 | 230-240 | GX9.5 | T29 FWT 230-240V | 93106489 | 88454 | 29 000 | 3050 | 400 | 110 | 23 | BDTH | C | 12 | T29 | FWT |
| 1200 | 230-240 | G22 | CP93 230-240V | 93106528 | 88508 | 33 000 | 3200 | 200 | 140 | 23 | BDTH | C | 12 | CP93 | - |
| 2000 | 240 | G38 | CP41 FKK 240V | 93106516 | 88488 | 54 000 | 3200 | 400 | 216 | 30 | BDTH | C | 12 | CP41 | FKK |
| 2000 | 230 | G38 | CP41 FKK 230V | 93106517 | 88489 | 54 000 | 3200 | 400 | 216 | 30 | BDTH | C | 12 | CP41 | FKK |
| 2000 | 230-240 | GY16 | CP79 230-240V | 93106524 | 88503 | 54 000 | 3200 | 350 | 145 | 26.5 | BDTH | C | 12 | CP79 | - |
| 2000 | 230-240 | G22 | CP92 230-240V | 93106526 | 88506 | 52 000 | 3200 | 400 | 175 | 30 | BDTH | C | 12 | CP92 | - |
| 2000 | 120 | G22 | CP92 120V | 93106527 | 88507 | 55 000 | 3200 | 400 | 175 | 30 | BDTH | C | 12 | CP92 | - |
| 2000 | 230-240 | E40 | CP59 230-240V | 93106529 | 88512 | 16 500 | 3200 | 100 | 191 | 26.5 | U | C | 1 | - | - |
| 2000 | 230-240 | P40s | CP53 230-240V | 93106535 | 88532 | 54 000 | 3200 | 400 | 200 | 30 | BDTH | C | 12 | CP53 | - |
| 2000 | 230-240 | GY16 | CP43 FTL 230-240V | 93106536 | 88533 | 54 000 | 3200 | 400 | 145 | 26.5 | BDTH | C | 12 | CP43 | FTL |
| 2000 | 120 | G38 | CYX-Q2000T10/4CL 120V | 93106545 | 88610 | 59 000 | 3200 | 400 | 216 | 30 | BDTH | C | 6 | HX270 | CYX |

19 Theatre

| Wattage (W) | Volts | Cap | Product description | Tungram Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty | LIF Code | ANSI Code |
|-----------------------------|---------|------|-----------------------|----------------------|-----------------|------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|----------|-----------|
| Single Ended Halogen | | | | | | | | | | | | | | | |
| 2000 | 230 | GY16 | CP 43 FTM 230V BX1/12 | 93106557 | 96735 | 54 000 | 3200 | 400 | 145 | 26.5 | BDTH | C | 12 | CP43 | FTM |
| 2500 | 230-240 | G38 | CP94 230-240V | 93106523 | 88502 | 67 500 | 3200 | 400 | 210 | 30 | BDTH | C | 12 | CP94 | - |
| 2500 | 230-240 | G22 | CP91 230-240V | 93106525 | 88505 | 67 500 | 3200 | 400 | 175 | 30 | BDTH | D | 12 | CP91 | - |
| 3000 | 230-240 | G38 | HX48 230-240V | 93106390 | 88874 | 82 000 | 3200 | 400 | 210 | 47 | BDTH | C | 12 | HX48 | - |

20 Theatre



21 Theatre

Event and concert tours

Concert tour and event lighting requires high Lumen output and superior color rendering to improve the visual appearance of the concert and to bring the best light effect for the audiences. Tungsram's Single Ended Cold Start lamps meet all these requirements used either in moving- or standing light applications.

22



Single Ended Cold Start

Wattage: Up to 1200W
Lumens: Up to 110 000
CCT: 6500 — 9000K
Rated life: 800 — 3 000 h

23 Event and concert tours

| Wattage (W) | Volts | Cap | Product description | Tungram Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty |
|--|-------|-------|---------------------|----------------------|-----------------|------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|
| Discharge - Single Ended Cold Start | | | | | | | | | | | | | |
| 575 | 97 | GX9.5 | CSR575/2/SE | 93110788 | 69064 | 46 000 | 7200 | 1 000 | 125 | 31 | U | A | 10 |
| 700 | 70 | G22 | CSR700/2/SE | 93106385 | 49491 | 55 000 | 6500 | 1 000 | 155 | 29 | U | A | 10 |
| 1200 | 100 | G22 | CSR1200/2/SE | 93106384 | 49490 | 110 000 | 7000 | 800 | 175 | 40 | U | A+ | 6 |

24 Event and concert tours



25 Event and concert tours

Club and disco

Find the best option for club and disco lighting from robust and flexible PAR ranges. A huge selection of PAR36, PAR46, PAR56 and PAR64 products offers solution for a wide range of applications.

26



PAR

Range: PAR36, 46, 56, 64
Wattage: Up to 1200W
Candelas: Up to 765 000
Rated life: Up to 2 000 h

| Wattage (W) | Volts | Cap | Product description | Tungram Product Code | GE Product Code | Candelas | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty | Beam type | Beam 10% | Beam 50% |
|---------------|-------|-----------------|---------------------|----------------------|-----------------|----------|---------|----------------|-------------|---------------|--------------------|--------|-----------|-----------|----------|----------|
| PAR 36 | | | | | | | | | | | | | | | | |
| 30 | 12.8 | Screw Terminals | 4405 12.8 | 93106400 | 93074744 | 50 000 | n/a | 100 | 69.8 | 114.3 | U | Exempt | 12 | VNSP | 6 x 5 | - |
| 30 | 6.4 | Screw Terminals | 4515 6.4 | 93106411 | 93076721 | 55 000 | n/a | 100 | 69.8 | 114.3 | U | E | 12 | VNSP | 5 x 5 | - |
| 50 | 12 | Screw Terminals | 50PAR36/WFL 12V | 93106410 | 93076720 | 1 300 | n/a | 2 000 | 69.8 | 114.3 | U | E | 12 | WFL | 48 x 41 | 36 x 28 |
| 100 | 28 | Screw Terminals | 4594 28 | 93106401 | 93074745 | 70 000 | n/a | 300 | 69.8 | 114.3 | U | Exempt | 12 | NSP | 13 x 7 | - |
| 250 | 28 | Screw Terminals | 4596 28.0V | 93106402 | 93074766 | 150 000 | 3000 | 25 | 69.8 | 114.3 | U | Exempt | 12 | NSP | 11 x 12 | - |
| 650 | 120 | Screw Terminals | DWE-Q650PAR36/1 120 | 93106412 | 93076759 | 24 000 | 3200 | 100 | 69.8 | 114.3 | HOR±15° | D | 12 | MFL | - | 40 X 30 |
| PAR 46 | | | | | | | | | | | | | | | | |
| 250 | 28 | Screw Terminals | 4553 28 | 93106414 | 93078614 | 300 000 | n/a | 25 | 95.2 | 146 | U | Exempt | 12 | SP | - | 11 x 12 |

28 Club and disco

| | | | | | | | | | | | | | | | | |
|---------------|-----|------------------|-------------------|----------|----------|---------|-----|-------|-----|-------|---|--------|----|-----|---|-------|
| PAR 56 | | | | | | | | | | | | | | | | |
| 200 | 30 | Screw Terminals | 200PAR 30V | 93106413 | 93078519 | 270 000 | n/a | 350 | 127 | 177.8 | U | Exempt | 12 | SP | - | 9 x 9 |
| 300 | 240 | ExMogEndPr GX16d | 300PAR56/NSP 240V | 93106408 | 93076266 | 40 000 | n/a | 2 000 | 127 | 177.8 | U | E | 12 | NSP | - | - |
| 300 | 240 | ExMogEndPr GX16d | 300PAR56/MFL 240V | 93106406 | 93076244 | 30 000 | n/a | 2 000 | 127 | 177.8 | U | E | 12 | MFL | - | - |
| 300 | 240 | ExMogEndPr GX16d | 300PAR56/WFL 240V | 93106407 | 93076245 | 10 000 | n/a | 2 000 | 127 | 177.8 | U | E | 12 | WFL | - | - |
| 300 | 230 | ExMogEndPr GX16d | 300PAR56/MFL 230V | 93106403 | 93076058 | 30 000 | n/a | 2 000 | 127 | 177.8 | U | E | 12 | MFL | - | - |
| 300 | 230 | ExMogEndPr GX16d | 300PAR56/NSP 230V | 93106404 | 93076059 | 40 000 | n/a | 2 000 | 127 | 177.8 | U | E | 12 | NSP | - | - |
| 300 | 230 | ExMogEndPr GX16d | 300PAR56/WFL 230V | 93106405 | 93076060 | 10 000 | n/a | 2 000 | 127 | 177.8 | U | E | 12 | WFL | - | - |
| 300 | 12 | Screw Terminals | 300PAR56/WFL 12 | 93106399 | 93072766 | - | n/a | 1 000 | 127 | 177.8 | U | C | 12 | WFL | - | - |

29 Club and disco

| Wattage (W) | Volts | Cap | Product description | GE Product Code | GE Product Code | Candelas | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position EEC | Outer qty | LIF Code | ANSI Code | Beam type | Beam 10% | Beam 50% |
|---------------|-------|------------------|--------------------------------|-----------------|-----------------|----------|---------|----------------|-------------|---------------|------------------------|-----------|----------|-----------|-----------|----------|----------|
| PAR 64 | | | | | | | | | | | | | | | | | |
| 250 | 28 | Screw Terminals | 4552 28 * | 93106415 | 93078615 | 500 000 | n/a | 25 | 152.4 | 203.2 | U - 12 | - | - | - | SP | - | 7 X 8 |
| 500 | 230 | ExMogEndPr GX16d | 500PAR64/WFL 230V | 93106409 | 93076719 | - | 2700 | 2 000 | 152.4 | 203.2 | U E 12 | - | - | - | WFL | 42x20 | 55x32 |
| 500 | 230 | GX16d | CP86 - Q500PAR64/VNSP 230V | 93106666 | 73581 | 240 000 | 3200 | 300 | 152.4 | 203.2 | U D 6 | CP86 | - | VNSP | 16x13 | 10x7 | |
| 500 | 240 | GX16d | CP86 - Q500PAR64/VNSP 240V | 93106679 | 99944 | 240 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP86 | - | VNSP | 16x13 | 10x7 | |
| 500 | 230 | GX16d | CP87 - Q500PAR64/VNSP 230V | 93106680 | 99945 | 140 000 | 3200 | 300 | 152.4 | 203.2 | U D 6 | CP87 | - | NSP | 19x16 | 11x9 | |
| 500 | 240 | GX16d | CP87 - Q500PAR64/VNSP 240V | 93106681 | 99946 | 140 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP87 | - | NSP | 19x16 | 11x9 | |
| 500 | 230 | GX16d | CP88 - Q500PAR64/MFL 230V | 93106682 | 99947 | 65 000 | 3200 | 300 | 152.4 | 203.2 | U D 6 | CP88 | - | MFL | 32x19 | 21x10 | |
| 500 | 240 | GX16d | CP88-Q500PAR64/MFL 240V | 93106683 | 99948 | 65 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP88 | - | MFL | 32x19 | 21x10 | |
| 600 | 28 | Screw Terminals | Q4559X 28.0V * | 93106416 | 93079116 | 765 000 | - | 100 | 152.4 | 203.2 | U - 12 | - | - | - | SP | 11x7.5 | - |
| 1000 | 230 | GX16d | SUPER CP60 EXC VNS 230V 1/6 BX | 93106669 | 88425 | 352 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP60 | - | VNSP | 20x17 | 12x9 | |
| 1000 | 240 | ExMogEndPr GX16d | EXG PAR64/1000W/240V/WFL | 93106670 | 88479 | 49 300 | 3200 | 300 | 152.4 | 203.2 | U C 6 | - | EXG | WFL | 59x36 | 44x22 | |
| 1000 | 230 | ExMogEndPr GX16d | EXG PAR64/1000W/230V/WFL | 93106671 | 88480 | 49 300 | 3200 | 300 | 152.4 | 203.2 | U C 6 | - | EXG | WFL | 59x36 | 44x22 | |

* EEC: Exempt

30 Club and disco

| | | | | | | | | | | | | | | | | | |
|------|-----|------------------|--------------------------------|----------|-------|---------|------|-----|-------|-------|-------|------|---|------|--------|-------|--|
| 1000 | 240 | ExMogEndPr GX16d | CP95 240V | 93106672 | 88510 | 15 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP95 | - | VWFL | 125x95 | 70x70 | |
| 1000 | 230 | GX16d | SUPER CP61 EXD NS 230V 1/6 BX | 93106674 | 88535 | 297 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP61 | - | NSP | 22x20 | 14x10 | |
| 1000 | 240 | GX16d | SUPER CP62 EXE MF 240V 1/6 BX | 93106675 | 88536 | 138 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP62 | - | MFL | 38x20 | 24x11 | |
| 1000 | 230 | GX16d | SUPER CP62 EXE MF 230V 1/6 BX | 93106676 | 88549 | 138 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP62 | - | MFL | 38x20 | 24x11 | |
| 1000 | 240 | GX16d | SUPER CP61 EXD NS 240V 1/6 BX | 93106677 | 88550 | 297 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP61 | - | NSP | 22x20 | 14x10 | |
| 1000 | 240 | GX16d | SUPER CP60 EXC VNS 240V 1/6 BX | 93106678 | 88551 | 352 000 | 3200 | 300 | 152.4 | 203.2 | U C 6 | CP60 | - | VNSP | 20x17 | 12x9 | |

31 Club and disco

Projection and photography

"Specialist" projector lamps with optimized brightness bring excellent optical performance and provide high reliability in many applications.

32



CSS/CSI/CID

Lumens: 9 000 — 90 000
Wattages: 140 — 1000W
Rated life: 500 — 3 000 h



Single Ended Tungsten Halogen

Cap: G6.35 / GY9.5
Wattages: 250 — 500W
Rated life: 2 000 h



Specialist Projector

Cap: G6.35 / GY9.5
Wattages: 150 — 500W
Rated life: 50 — 75 h

| Wattage (W) | Volts | Cap | Product description | Tungfram Product Code | GE GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty |
|------------------------|-------|-----|---------------------|-----------------------|--------------------|------------|----------|----------------|-------------|---------------|--------------------|-----|-----------|
| CSI / CID / CSS | | | | | | | | | | | | | |
| 1000 | 80 | G22 | CID1000/G22 99-0222 | 93117337 | 88493 | 70 000 | 5500±400 | 500 | 115 | 32 | BDTH | A | 6 |
| 1000 | 80 | G22 | CSI1000/G22 99-02 | 93117338 | 88494 | 90 000 | 4000±400 | 500 | 115 | 32 | VBD±90 | A+ | 6 |
| 1000 | 80 | G38 | SPL1000/PAR64/HR | 93117339 | 88513 | 76 000 | 3800±500 | 3 500 | 175 | 204 | U | C | 6 |
| 1000 | 80 | G38 | SPL1000/PAR64840 | 93106673 | 88514 | 76 000 | 3800±500 | 3 500 | 175 | 204 | U | C | 6 |

34 Projection and photography

| Wattage (W) | Volts | Cap | Product description | Tungfram Product Code | GE Product Code | Lumen (lm) | CCT (K) | Rated life (h) | Length [mm] | Diameter [mm] | Operating position | EEC | Outer qty | LIF Code | ANSI Code |
|--------------------------------------|---------|-------|---------------------|-----------------------|-----------------|------------|---------|----------------|-------------|---------------|--------------------|-----|-----------|----------|-----------|
| Single Ended Tungsten Halogen | | | | | | | | | | | | | | | |
| 250 | 24 | G6.35 | M36 24V 250W GY6,35 | 93106531 | 88516 | 5 750 | 3000 | 2 000 | 58 | 0 | BDTH | C | 100 | M36 | - |
| 300 | 230-240 | GY9.5 | M38 230-240V | 93106477 | 88442 | 5 000 | 2900 | 2 000 | 80 | 0 | BDTH | E | 24 | M38 | - |
| 500 | 230-240 | GY9.5 | M40 230-240V | 93106503 | 88468 | 8 500 | 2900 | 2 000 | 85 | 0 | BDTH | E | 24 | M40 | - |
| Specialist Projector | | | | | | | | | | | | | | | |
| 150 | 230-240 | G6.35 | A1/248 230-240V | 93106519 | 88492 | 3 000 | 3400 | 50 | 62 | 0 | BDTH | D | 50 | A1/248 | - |
| 300 | 230-240 | G6.35 | A1/249 230-240V | 93106518 | 88491 | 7 200 | 3400 | 50 | 62 | 0 | BDTH | C | 50 | A1/249 | - |
| 500 | 230-240 | GY9.5 | A1/244 230-240V | 93106495 | 88460 | 13 000 | 3200 | 75 | 62 | 0 | BDTH | C | 24 | A1/244 | - |

35 Projection and photography

Cross reference



36

SKU

GE Lighting / Tungram

Osram

Philips

Discharge — Single Ended Hot Restrike

| | | | |
|----------|----------------------|----------------|-------------|
| 48461 | CSR125/SE/HR | HMI125W | MSR125/HR |
| 93011465 | CSR200/SE/HR/UV-C | HMI200W/SE | MSR200/HR |
| 93011463 | CSR800/SE/HR/UV-C | HMI800W/SEL | — |
| 27764 | CSR 1200 SE/HR/UV- C | HMI1200W/SE | MSR1200/HR |
| 77390 | CSR 1800/SE/HR | HMI1800W/SE/XS | — |
| 40482 | CSR 2500/SE/HR/UV-C | HMI2500W/SE | MSR2500/HR |
| 27765 | CSR 4000SE/HR/UV- C | HMI4000W/SE | MSR4000/HR |
| 40492 | CSR 6000/SE/HR/UV-C | HMI6000W/SE | MSR6000/HR |
| 93085427 | CSR18000/SE/HR | HMI18000W/SE | MSR18000/HR |

SKU

GE Lighting / Tungram

Osram

Philips

Discharge — Single Ended Hot Restrike

| | | | |
|-------|-------------|--------------|----------|
| 48453 | CSR1200/DE | HMI1200W/GS | MSI1200 |
| 48456 | CSR6000/DE | HMI6000W | MSI6000 |
| 48457 | CSR12000/DE | HMI12000W/GS | MSI12000 |
| 48459 | CSR18000/DE | HMI18000W | — |

Discharge — Single Ended Cold Start

| | | | |
|-------|---------------|-----------|-----------|
| 10744 | CSD 250/2 SE | HSD250/80 | MSD250/2 |
| 49492 | CSR575/2/T/SE | HSR575/2 | MSR575/2 |
| 49491 | CSR700/2/SE | HSR700/2 | MSR700/2 |
| 49490 | CSR1200/2/SE | HSR1200/2 | MSR1200/2 |

Discharge — CSR Turn and Lock (TAL)

| | | | |
|----------|---------------------------------|-----------------|-----------------------|
| 78718 | CSR700/TAL/PJX28 | HTI 700W/75/P28 | MSR 700/2 MiniFastFit |
| 93104482 | CSR1700/TAL/TAL/60/P28 Easy Fit | Lok-it! 1700/PS | - |

_____ 38 Cross reference

Discharge — Double Ended Hot Restrike

| | | | |
|-------|----------------|---------------|----------------|
| 22493 | CSR700/S/DE/60 | HTI700W/D4/60 | — |
| 41357 | CSR700/S/DE/72 | HTI700W/D4/75 | MSR700/SA/2/DE |

Discharge — Double Ended Hot Restrike

| | | | |
|-------|-------------|-------------|------------|
| 21849 | CSR 1200/SA | HTI1200W/SE | MSR1200/SA |
|-------|-------------|-------------|------------|

_____ 39 Cross reference

TUNGSRAMTM

We in Tungsram Operations Kft. are constantly developing and improving our products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, Tungsram cannot accept any liability arising from the reliance on such data to the extent permitted by law.

Entertainment Brochure 2020