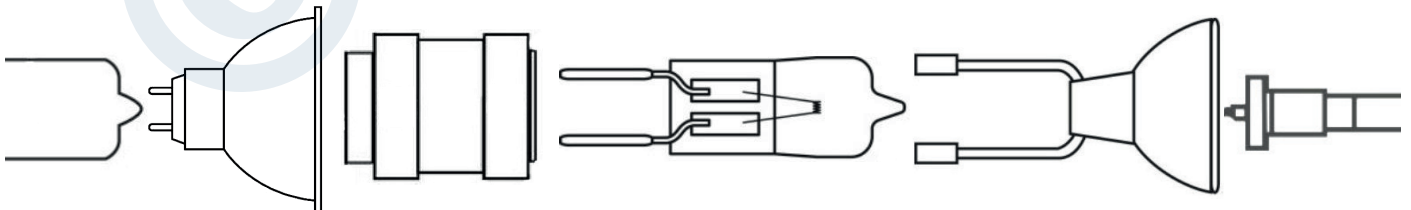


Medical Lamp Collection



About Us...

CML Innovative Technologies, a business unit of Grupo Antolin, is one of the largest worldwide suppliers of miniature lighting solutions with **1200 employees** and annual revenues at around **\$250 million**. Together, we are a vertically integrated designer, manufacturer and seller of the **widest selection of miniature lighting systems and components**.

Utilising our technical knowledge and our background in lamp manufacturing, we proudly introduce our new range of medical replacement lamps. Our extensive product line offers **operating theatre, microscope and projector lamps** to name a few.

With **over 180 items available**, many of which are held in stock at our centrally located modern UK warehouse facility, we offer **same day dispatch** for domestic and European export orders.

- High Quality manufacturing source with over 60 years of production experience
- Experience held within multiple industries including:
 - Aviation
 - Railroad
 - Automotive
 - Military
 - Entertainment
 - Insect Control
- ISO and TS certified
- Highly experienced research and development department
- Advanced in house test facilities
- Quality support service
- Same day dispatch from UK facilities
- Competitive prices
- UK Assembly facility

Please contact us by e-mail or phone should you be unable to locate the product you are looking for in this catalogue.

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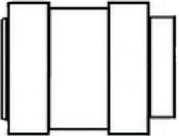
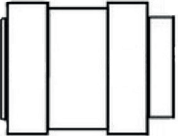
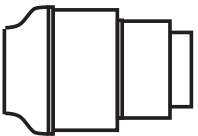
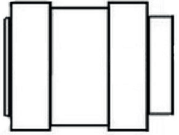
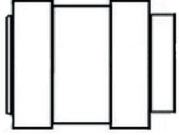
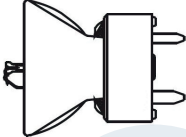
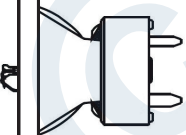
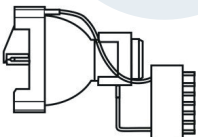
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New Products and Notes

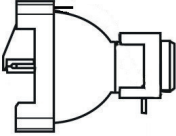
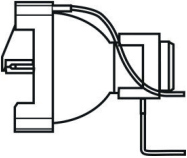
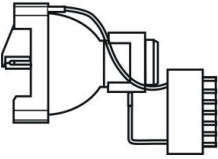
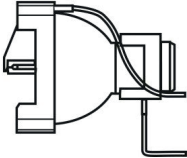
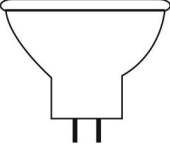
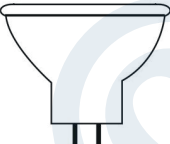
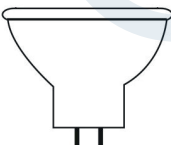
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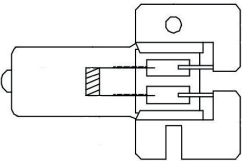
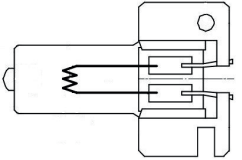
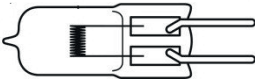
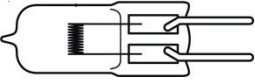
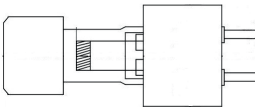
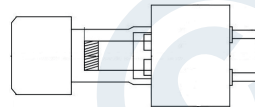
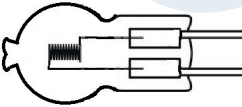
Light Source & Operating Microscope Lamps

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	PE300BFA	14	300	Cermax 300W parabolic ceramic xenon lamp. Compatible with Fujinon Smith & Nephew Dyonics 300XL, Storz, Wolf. 300W Xenon light sources and many others. 5 hole mount.
	PE175BFA	12.5	175	Cermax 175W parabolic ceramic xenon lamp. Compatible with all known 175W Storz xenon light sources. Olympus XLS and Zeiss units. 3 hole mount.
	PE300C/10F	13.5	300	Cermax 300W Elliptical ceramic xenon lamp. Compatible in Pentax and Stryker xenon light sources. No hole mount.
	UXR300BU	14	300	Ushio 300W ceramic xenon lamp. Compatible with most 300W light sources including Olympus CLV-S & CLV-U, CVI, CLV-A (Y1052, Y1064, Y1072) 5 hole mount.
	UXR300CU	14	300	Ushio 300W ceramic xenon lamp for continuous operation only. 3 hole mount.
	M21E001	–	21	Welch Allyn 21W Solarc Arc lamp for Storz Medi Pack and Telepak light source.
	M21E00S-001	–	21	Welch Allyn Solarc lamp.
	XBO R 100W/45C	14	100	Osram 100W xenon short arc lamp with wire leads and 5 pin connector. Fits EPK 1000.

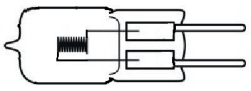
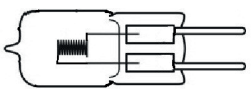
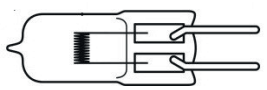
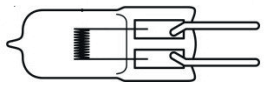
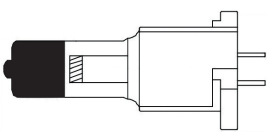
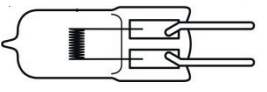

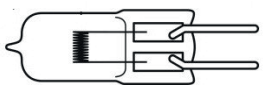
Light Source & Operating Microscope Lamps

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	XBO R 100W/45C OFR	14	100	Osram 100W Xenon short arc lamp with pins only.
	XBO R 101W/45C OFR	14	100	Osram 100W xenon short arc lamp with wire leads only.
	XBO R 180W/45C OFR	14	180	Osram 180W xenon short arc lamp with wire leads and 5 pin connector used in operating microscopes & light sources. Fits Olympus E180.
	XBO R 181W/45C OFR	14	180	Osram 180W xenon short arc lamp with wire leads only.
	EJA	21	150	Halogen lamp with reflector & GX5.3 base.
	A1/231	12	100	Osram HLX64627 or Philips 6834 EFP Halogen lamp with reflector and GZ6.35 base. Fits some Fujinon light sources.
	A1/232	15	150	Osram HLX64634 or Philips 6423 EFR Halogen lamp with reflector & GZ6.35 base.

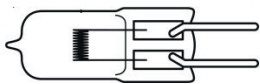
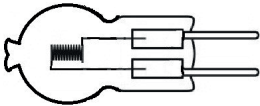
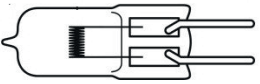
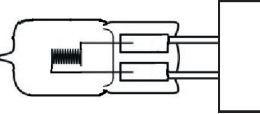
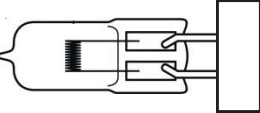
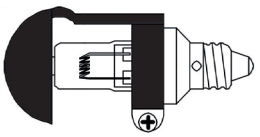
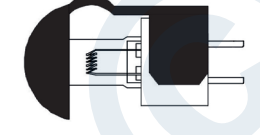
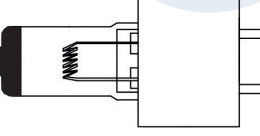
Operating Theatre Lamps

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	ECL0001	23	100	ALM Prismalix halogen capsule lamp. Horizontal filament and X514SP base. Box Ref. 567202138.
	ECA002	24	120	ALM halogen capsule with X514 base. For prismatic range plus some lodyne units.
	186762	24	100	Angenieux halogen capsule lamp with horizontal filament and G6.35 base. For AX4/10/14 Soloflex.
	64638HLX	24	100	Osram halogen capsule lamp with horizontal filament and G6.35 base. Alternative to above. Also replaces CZ905-24.
	H24501 DKK	24	50	G8 halogen DKK 50 ceramic cap. Fits Skylux SH-101028.
	CMED01055	24	100	G8 halogen DKK 100 ceramic cap. Fits Skylux SH-1010281
	567901947	22.8	40	Infra red coated lamp with a vertical filament and G6.35 base. Fits Hanaulux 3000 Series.

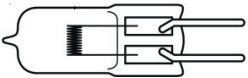
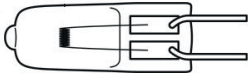
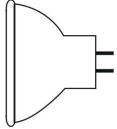
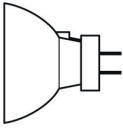
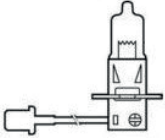
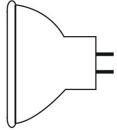
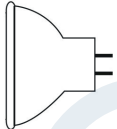
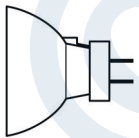
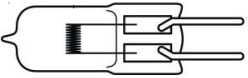
Operating Theatre Lamps

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	56115282	22.8	50	Hanaulux 2000 series halogen lamp with vertical filament orientation and G6.35 base. Box ref. 567901954.
	64650	22.8	50	Osram halogen lamp with vertical filament and G6.35 base. Alternative to above and Dr Mach.
	H018566	22.8	50	Hanaulux halogen capsule with horizontal filament and G6.35 base. Fits London/Frankfurt. Also known as 56018566.
	H018769	22.8	40	Hanaulux halogen capsule with horizontal filament and G6.35 base. Fits Melbourne/Oslo. Also known as 56018769.
	CMED-01022	21.5	130	Hannalux blue 80 replacement lamp with black top and special cut out base OEM part no H080130.
	CZ907-22	22.8	250	Berchtold halogen capsule with horizontal filament and G6.35 base. For C950/C952.
	CZ907-24	24	250	Berchtold halogen capsule with horizontal filament and G6.35 base. For C950.
	CZ908-22	22.8	150	Berchtold halogen capsule with horizontal filament and G6.35 base. For D500/D530.

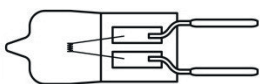
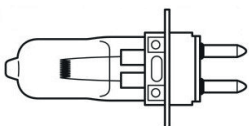
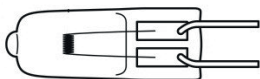
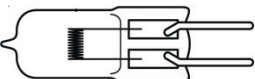
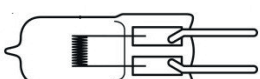
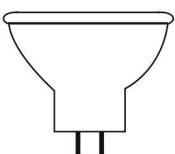
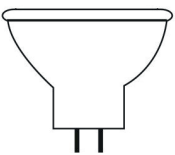



Operating Theatre Lamps

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	CZ908-24	24	150	Berchtold halogen capsule with horizontal filament and G6.35 base. For C571/C572.
	CZ909-22	22.8	150	Berchtold halogen capsule with vertical filament and G6.35 base. Fits: D510, D540, D660 units.
	CZ955-12	12	50	Berchtold halogen capsule with horizontal filament and G6.35 base. For D300.
	86-905-01	24	120	Martin ML500/501 lamp set.
	86-907-01	24	150	Martin ML700/701 lamp set.
	CMED-01088	24	40	Skylux- SH42, Skytron units lamp E11 base with Black umbrella.
	CMED-01090	24	40	Million Lamp G8 base with Black umbrella.
	CMED-01092	24	40	Million Lamp G8 base with Black dipped Top.

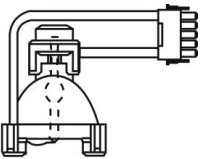
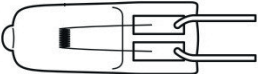
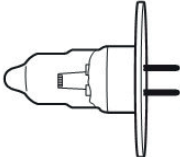
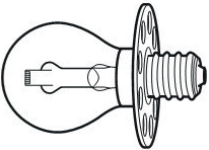
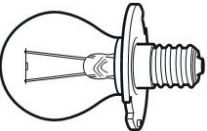
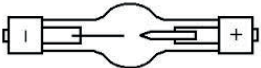

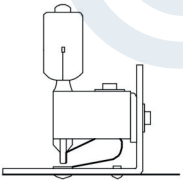
Dental Lamps

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	AI/216	24	150	Osram HLX 64640 or Philips 7158 halogen capsule with G6.35 base.
	AI/220	12	50	Osram HLX 64610 or Philips 7027 halogen capsule with reflector and G6.35 base.
	AI/230	12	75	Osram HLX 64615 EFN or Philips 6853 halogen with reflector and GZ6.35 base.
	AI/51	12	100	Osram 64624 halogen with reflector with G5.3 base.
	A453	12	55	Halogen H3 PK22S.
	I3298-CML	10	52	Philips Type MR II halogen lamp with reflector and GZ4 base.
	I3165-CML	14	35	Philips Type MR II halogen lamp with reflector and GZ4 base + P3/10.
	HLX 64617	12	75	Osram halogen with reflector with G5.3 base. Similar to Philips I3865.
	HLX 64642	24	150	Osram halogen capsule with G6.35 base (M184).





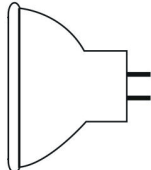


Slit & Microscope Lamps

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	64250	6	20	M30 or Philips 7388. Fits various Nikon, Olympus and Zeiss Microscopes.
	64260	12	30	Tungsten halogen PG22 base. Fits Zeiss Microscopes.
	64261	12	30	Tungsten halogen G6.35 base.
	A1/215	12	100	Equiv to Philips 7023 or Osram HLX64625 halogen capsule GY6.35 base.
	A1/216	24	150	Equiv to Philips 7158 or Osram HLX64640 halogen capsule G6.35 base.
	A1/230	12	75	Equiv to Philips 6853 or Osram HLX64615 halogen with reflector GZ6.35 base.
	A1/231	12	100	Equiv to Philips 6834 or Osram HLX64627 halogen with reflector GZ6.35 base.
	HBO 50W/ACLI	39-45	50	Osram 50W mercury short arc lamp for fluorescence microscopy use. Fits Nikon, Leica etc.
	HBO 100W/2	20	100	Osram 100W mercury short arc lamp for fluorescence microscopy use.
	HBO 103W/2	22.5	100	Osram 100W longer life (300 hours) mercury short arc lamp for fluorescence microscopy use.




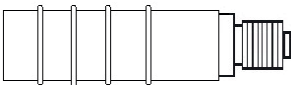
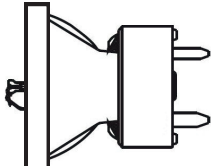
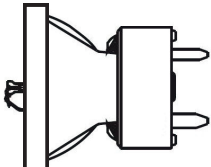
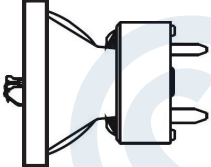
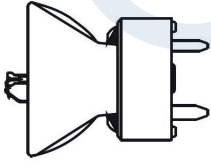
Slit & Microscope Lamps

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	HXPR120/45C	75	120	Osram 120W mercury short arc long life lamp with 5-pin connector. Fits Leica, Nikon, Zeiss.
	CMED01104	6	30	Equivalent to Philips 5761. G4 base.
	CMED-01005	6	20	Fits Topcon SL1E, SL2E, SL7E Microscope. Topcon Slit lamp 44680-25700.
	CMED-04002	6	4.5A	Haag Streit 900-930 P44s base.
	CMED-04003	6	4.5A	Haag Streit 940-750-366. P40s base.
	USH 102-D	16-24	100	Ushio 100W mercury short arc lamp for fluorescence microscopy.
	USH 103-D	16-24	100	Ushio 100W longer life (300 hours) mercury short arc lamp for fluorescence microscopy use.
	384643	12	50	50W halogen microscope lamp with bracket. Fits Leica, Leitz & Wild.

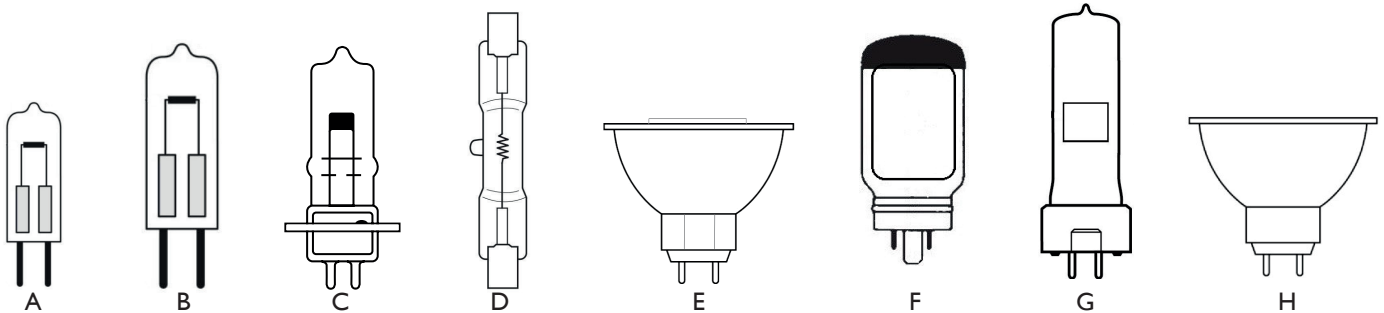
Welch Allyn

Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	03000-U	3.5	–	Lamp for 11710, 12400, 11600, 11605, 11610, Ophthalmoscopes, Laryngoscopes. 18000 Reinoscope, 47300 Episcopes.
	03100-U	3.5	–	Lamp with screw end for 20000, 20200, 20202, 21111, 21700, 25000, 25020, 25200, Otoscopes. 26500/26530, 26538, 27000, 27050, 41100/43300, Illuminators and Transilluminators.
	O-03100	3.5	2.1	LED Lamp with FaXP2.5 base for 20000/20200/21700/25020 Otoscopes.
	03400-U	2.5	–	Lamp for 21110, 21150, 24031, 73550, 27200, 27250, 24011, 24020, 24000 Otoscope, Retinoscope, and 41110 Transilluminator.
	04200-U	12	35	For 48600, 48610, 48625, 48624, 48324, 48700, 48724, 48764, 48784, 48744 Exam Lamp.
	04400-U	2.5	1.65	For 11470, 11475, 11400, 11411 Ophthalmoscope.
	04700-U	2.5	0.7	For 634, 664, 674, 680, 684, 690, 692, 694 series sizes 1-2 Laryngoscope. (Child sizes).

Welch Allyn

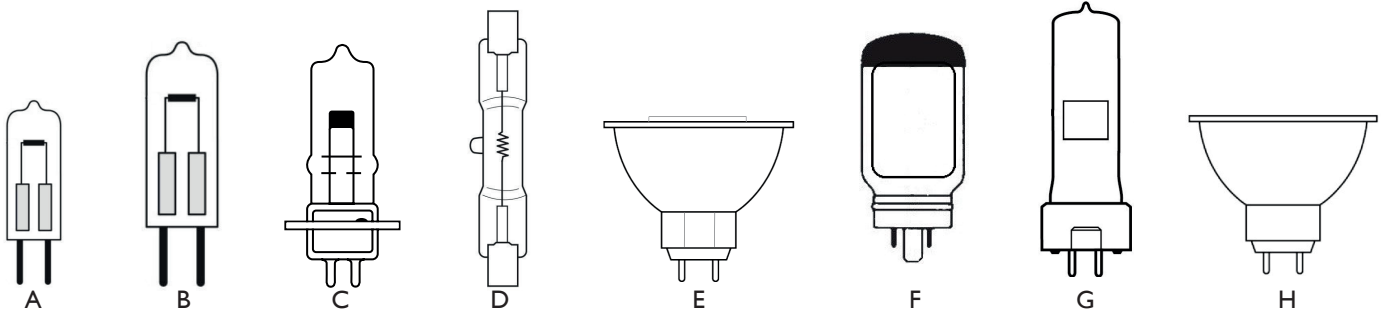
Lamp Drawing	Lamp Part No.	Volts (V)	Watts (W)	Description
	04900-U	3.5	–	Lamp for 11720, 11730, 11620, 11630, 767 series Ophthalmoscope.
	06000-U	2.5	–	Lamp for 60715, 60813, 60814, 60815, 60803, 60804 Laryngoscope.
	06500-U	3.5	–	Lamp for macroview otoscope. 20000, 23810, 23820.
	07800-U	6	4.32	Lamp for 36103, 73210, 73200 Sigmoidoscope. Vaginal Speculum Illuminator 78000.
	09500-U	60	24	Solarc MFI replacement Headlight. Lamp No 49502, AL-1824.
	09800-U	–	21	Solarc lamp fits Video Colposcope.
	M21E001	12	21	Storz Medipack and Telepack Light source Lamp.
	M21E00S-001	–	21	Solarc lamp.

Projection Lamps



Type No.	Figure	Equivalent No.	Ansi	Volts (V)	Watts (W)	Base	Light Centre Length (mm)	Diameter (mm)	Length (mm)	Light Output (Lm)	Average Life (Hr)
A1/45	C	64626HLX	EHE/ETA	12	100	PG22D	–	11.5	48	3600	50
A1/166	B	HLX64665	–	36	400	G6.35	–	18	36	12200	300
A1/215	A	7023	FCR	12	100	GY6.35	30.0±0.25	11	44	3000	50
HLXA1/215	A	HLX64625	FCR	12	100	GY6.35	30.0±0.25	11	44	3500	50
A1/216	B	7158	FCS	24	150	G6.35	32.0±0.5	13.5	50	4700	50
HLXA1/216	B	HLX64640	FCS	24	150	G6.35	32.0±0.5	13.5	50	6000	50
A1/220	A	7027	BRL	12	50	G6.35	30.0±0.25	11.5	44	1400	50
HLXA1/220	A	HLX64610	BRL	12	50	G6.35	30.0±0.25	11.5	44	1600	50
A1/223	B	7748	EHJ	24	250	G6.35	33.0±0.25	13.5	55	8500	50
HLXA1/223	B	HLX64655	EHJ	24	250	G6.35	33.0±0.25	13.5	55	9500	50
A1/227	D	12216R	FAL	120	420	R7s	–	14	64	11000	100
A1/228	D	12260R	FCB	120	600	R7s	–	13.5	91.8	17000	75
A1/228	D	12250R	FEB/FEA	240	600	R7s	–	13.5	91.8	16000	75
A1/229	E	6847/64607	EFM	8	50	GZ6.35	32	50	42	–	50
A1/230	E	6853	EFN	12	75	GZ6.35	32	50	42	–	50
HLXA1/230	E	HLX64615	EFN	12	75	GZ6.35	32	50	42	–	50
A1/231	E	6834	EFP	12	100	GZ6.35	–	50	42	–	50
HLXA1/231	E	HLX64627	EFP	12	10	GZ6.35	–	50	42	–	50
A1/232	E	6423	EFR	15	150	GZ6.35	–	50	42	–	50
HLXA1/232	E	HLX64634	EFR	15	150	GZ6.35	–	50	42	–	50
A1/232LL	E	64620	EFR-10	15	150	GZ6.35	–	50	42	–	500
A1/233	G	HLX64686	DYR	240	650	GY9.5	36.5±10	23	65	16500	50
A1/234	A	6550	BRJ	15	150	G6.35	30.0±0.25	11.5	44	5000	50

Projection Lamps



Type No.	Figure	Equivalent No.	Ansi	Volts (V)	Watts (W)	Base	Light Centre Length (mm)	Diameter (mm)	Length (mm)	Light Output (Lm)	Average Life (Hr)
HLXA1/234	A	HLX64633	BRJ	15	150	G6.35	30.0±0.25	11.5	44	5800	50
A1/235	C	7763C	–	24	250	PG22d	23.0±0.25	13.5	56	8500	50
A1/239	B	7787	EVD	36	400	G6.35	36.0±0.25	18	60	14450	50
HLXA1/239	B	HLX64663	EVD	36	400	G6.35	36.0±0.25	15	60	16200	50
A1/241	F	–	BCK	120	500	G17t	39.7±1.0	23	94	–	50
A1/244	G	7389/64650	–	240	500	GY9.5	36.5±0.5	23	75	14000	50
A1/248	B	64502	–	230	150	GX6.35	40.0±0.5	18	55	4000	50
A1/249	B	64661 (Black top)	–	240	300	G6.35	40.0±0.5	16.3	62	7200	50
A1/252	H	13164	EJL	24	200	GX5.3	–	49.7	45	1100	50
A1/254	G	4968	EHA	120	500	GY9.5	36.5±0.5	22	75	11900	50
A1/254	G	5968	FGP/EMG	240	500	GY9.5	36.5±0.5	22	75	11900	50
A1/258	–	54960	EMM/EKS	24	250	GY7.9	–	44	47.5	–	50
A1/259	H	13163/ HLX64653	ELC	24	250	GX5.3	–	51	44.5	850	50
A1/259LL	H	64659HLX	ELC-10	24	250	GX5.3	–	51	44.5	–	1000
A1/260	G	6604	–	12	75	GZ6.35	–	53.6	51	–	50
A1/261	G	5973	FDT	12	100	GY9.5	27.0±0.25	13	57	3000	50
A1/262	G	5974/64643	DZE/FDS	24	150	GY9.5	33.3±0.25	15	60	4900	100
A1/264	G	54836	DYS	120	600	GY9.5	36.5±1.0	23	65	16000	75
A1/266	–	93631	DNF	21	150	GY7.9	–	50	43	–	50
A1/268	F	93595	EPS	240	500	G17t	39.7±1.0	23	94	–	50
A1/270	B	HLX64664	–	36	400	G6.35	36	18	57	14500	150
A1/271	E	64637	EBV	12	100	GZ6.35	32	51	42	–	1500

