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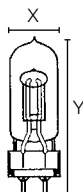
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Order code	Watts	Cap	Colour temperature	X mm	Y mm
METAL HALIDE LOW WATTAGE SINGLE ENDED					

Manufacturers' references	Osram - HQIT	Venture - HIT
	GE - Arcstream	SLI - HSI-T
	BLV - HIT	



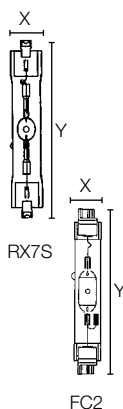
Single ended metal halide lamps for spotlighting applications.

HQIT70WDL	70W	G12	3300K	32	88
HQIT70NDL	70W	G12	4000K	32	88
HQIT150WDL	150W	G12	3300K	32	99
HQIT150NDL	150W	G12	4000K	32	99

Order code	Watts	Cap	Colour temperature	X mm	Y mm
METAL HALIDE LOW WATTAGE DOUBLE ENDED					

Manufacturers' references	Osram - HQI-TS	Venture - MH-DE
	GE - Arcstream	SLI - HSI-TD
	BLV - HIT-DE	Philips - MHN-TD/MHW-TD

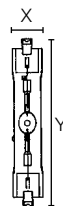
Double ended metal halide lamps for floodlighting applications. Can be hot restruck when used in conjunction with a suitable ignitor.



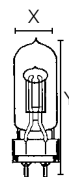
HQITS70WDL	70W	RX7S	3300K	20	114
HQITS70BW	70W	RX7S	3500K	20	114
HQITS70NDL	70W	RX7S	4000K	20	114
HQITS70D	70W	RX7S	5000K	20	114
HQITS150WDL	150W	RX7S	3300K	23	132
HQITS150BW	150W	RX7S	3500K	23	132
HQITS150NDL	150W	RX7S	4000K	23	132
HQITS150D	150W	RX7S	5000K	23	132
HQITS150-65K	150W	RX7S	6500K	23	132
HQITS250WDL	250W	FC2	3300K	25	139
HQITS250BW	250W	FC2	3500K	25	139
HQITS250NDL	250W	FC2	4000K	25	139
HQITS250D	250W	FC2	5000K	25	139
HQITS400NDL	400W	FC2	4000K	31	206
HQITS400D	400W	FC2	5000K	31	206



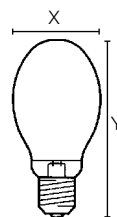
Order code	Watts	Cap	Colour	X mm	Y mm
METAL HALIDE LOW WATTAGE DOUBLE ENDED - COLOURED					
HQITS70B	70W	RX7S	BLUE	20	114
HQITS70M	70W	RX7S	MAGENTA	20	114
HQITS70O	70W	RX7S	ORANGE	20	114
HQITS70G	70W	RX7S	GREEN	20	114
HQITS150B	150W	RX7S	BLUE	23	132
HQITS150M	150W	RX7S	MAGENTA	23	132
HQITS150O	150W	RX7S	ORANGE	23	132
HQITS150G	150W	RX7S	GREEN	23	132



Order code	Manufacturer's code	Watts	Cap	Colour	X mm	Y mm
METAL HALIDE LOW WATTAGE SINGLE ENDED - COLOURED						
HQIT70B	HIT 70 BL G12	70W	G12	BLUE	32	88
HQIT70M	HIT 70 MG G12	70W	G12	MAGENTA	32	88
HQIT70O	HIT 70 OR G12	70W	G12	ORANGE	32	88
HQIT70G	HIT 70 GR G12	70W	G12	GREEN	32	88
HQIT150B	HIT 150 BL G12	150W	G12	BLUE	32	99
HQIT150M	HIT 150 MA G12	150W	G12	MAGENTA	32	99
HQIT150O	HIT 150 OR G12	150W	G12	ORANGE	32	99
HQIT150G	HIT 150 GR G12	150W	G12	GREEN	32	99

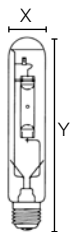


Order code	Manufacturer's code	Watts	Cap	Colour	X mm	Y mm
METAL HALIDE LOW WATTAGE SINGLE ENDED - COLOURED E27 BASE						
150MVRB	HIE 150 BL E27	150W	ES/E27	BLUE	54	138
150MVRM	HIE 150 MA E27	150W	ES/E27	MAGENTA	54	138
150MVRO	HIE 150 OR E27	150W	ES/E27	ORANGE	54	138
150MVRG	HIE 150 GR E27	150W	ES/E27	GREEN	54	138



DISCHARGE

Order code	Manufacturer's code	Watts	Cap	Colour	X mm	Y mm
METAL HALIDE HIGH WATTAGE SINGLE ENDED - COLOURED						
HQIT250B		250W	GES/E40	BLUE	47	225
HQIT250M		250W	GES/E40	MAGENTA	47	225
HQIT250O		250W	GES/E40	ORANGE	47	225
HQIT250G		250W	GES/E40	GREEN	47	225
HQIT400B		400W	GES/E40	BLUE	47	275
HQIT400M		400W	GES/E40	MAGENTA	47	275
HQIT400O		400W	GES/E40	ORANGE	47	275
HQIT400G		400W	GES/E40	GREEN	47	275
HQIT400Y		400W	GES/E40	YELLOW	47	275
HQIT400PK		400W	GES/E40	PINK	47	275
HQIT1000B		1000W	GES/E40	BLUE	76	340
HQIT1000G		1000W	GES/E40	GREEN	76	340
HQIE1000B	MH 1000W/U/BDX	1000W	GES/E40	BLUE	180	391
HQIE1000G	MH 1000W/U/GDX	1000W	GES/E40	GREEN	180	391
HQIE1000PK	MH 1000W/U/PDX	1000W	GES/E40	PINK	180	391



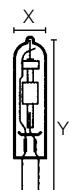
Order code	Watts	Cap	Colour temp	X mm	Y mm
CERAMIC METAL HALIDE SINGLE ENDED - G8.5 BASE					

Manufacturers' references

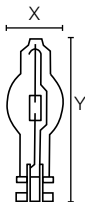
Osram - HCI-TC
 GE - CMH/TC
 Venture - CMH/TC
 SLI - CMI-TC
 Philips - CDM-TC

- Directly interchangeable with quartz metal halide lamps
- The smaller molecular structure of ceramic prevents sodium migration and offers much improved colour stability over life
- Longer life than quartz metal halide

CDMTC20WDL	20W	G8.5	830	14.5	85
CDMTC35WDL	35W	G8.5	830	14.5	85
CDMTC35NDL	35W	G8.5	942	14.5	85
CDMTC70WDL	70W	G8.5	830	14.5	85
CDMTC70NDL	70W	G8.5	942	14.5	85



Order code	Watts	Cap	Colour temp	X mm	Y mm
PHILIPS MINI MASTER COLOUR CDM-TM					
20CDMTMWDL	20W	PGJ5	830	17	52





Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
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OSRAM POWERBALL HCI-TF

20CMHTC20WDL	HCI-TF 20/830 WDL PB	20W	GU6.5	830	13	57
20CMHTC35WDL	HCI-TF 35/830 WDL	35W	GU6.5	830	13	57

Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
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GE CMH SUPERMINI

20CMHTC20WDL	CMH20/T/UVC/830	20W	GU6.5	830	12	52
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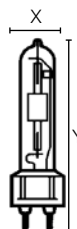
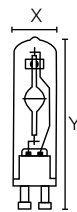
Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
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CERAMIC METAL HALIDE SINGLE ENDED - G12 BASE

Manufacturers' references	Osram - HCI-T	Venture - CMH/T
	GE - CMH/T	SLI - CMI-T
	BLV - C-HIT	Philips - CDM-T

- Directly interchangeable with quartz metal halide lamps
- The smaller molecular structure of ceramic prevents sodium migration and offers much improved colour stability over lamp life
- Longer life than quartz metal halide

CDMT20WDL		20W	G12	830	14.5	88
CDMT35WDL		35W	G12	830	14.5	88
CDMT35NDL		35W	G12	942	14.5	88
CDMT70WDL		70W	G12	830	19	98
CDMT70NDL		70W	G12	942	19	98
CDMT100WDL		100W	G12	830	19	100
CDMT100NDL		100W	G12	942	19	100
CDMT150WDL		150W	G12	830	19	98
CDMT150NDL		150W	G12	942	19	98
CDMTSA150NDL	PHILIPS CDMT 150W SA/T/942	150W	G12	942	30	110
CDMT250WDL		250W	G12	830	22.5	135

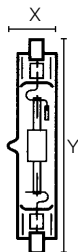


DISCHARGE

Order code	Watts	Cap	Colour temp	X mm	Y mm
CERAMIC METAL HALIDE DOUBLE ENDED					

Manufacturers' references	Osram - HCI-TS	Venture - CMH/TD
	GE - CMH/TD	SLI - CMI-TD
	BLV - C-HIT-DE	Philips - CDM-TD

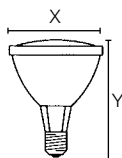
- Directly interchangeable with quartz metal halide lamps
- The smaller molecular structure of ceramic prevents sodium migration and offers much improved colour stability over lamp life
- Longer life than quartz metal halide



CDMTD35WDL	35W	RX7S	830	21	118
CDMTD70WDL	70W	RX7S	830	22	119
CDMTD70NDL	70W	RX7S	942	22	119
CDMTD150WDL	150W	RX7S	830	25	137
CDMTD150NDL	150W	RX7S	942	25	137
CDMTD250WDL	250W	FC2	830	25	163
CDMTD250NDL	250W	FC2	942	25	163

Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
CERAMIC METAL HALIDE PAR 20							

Manufacturers' references	Osram - HCI-PAR 20
	GE - CMH/PAR20
	Philips - CDM-R PAR20



20CDMR20S	CMH 20W PAR20 SP	20W	ES/E27	830	10	65	95
20CDMR20F	CMH 20W PAR20 FL	20W	ES/E27	830	30	65	95
35CDMR20S	CDMR 35W/830 PAR20 SP	35W	ES/E27	830	10	65	95
35CDMR20NDLS	CDMR 35W/942 PAR20 SP	35W	ES/E27	942	10	65	95
35CDMR20F	CDMR 35W/830 PAR20 FL	35W	ES/E27	830	30	65	95
35CDMR20NDLF	CDMR 35W/942 PAR20 FL	35W	ES/E27	942	30	65	95



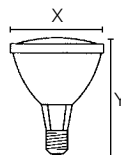
Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
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CERAMIC METAL HALIDE PAR 30

Manufacturers' references

Osram - HCI-PAR 30
 GE - CMH/PAR30
 Philips - CDM-R PAR30

20CDMR30S	CMH 20W PAR30 SP	20W	ES/E27	830	10	97	125
20CDMR30F	CMH 20W PAR30 FL	20W	ES/E27	830	30	97	125
35CDMR30S	CDMR 35W/830 PAR30 SP	35W	ES/E27	830	10	97	125
35CDMR30NDLS	CDMR 35W/942 PAR30 SP	35W	ES/E27	942	10	97	125
35CDMR30F	CDMR 35W/830 PAR30 FL	35W	ES/E27	830	30	97	125
35CDMR30NDLF	CDMR 35W/942 PAR30 FL	35W	ES/E27	942	30	97	125
70CDMR30S	CDMR 70W/830 PAR30 SP	70W	ES/E27	830	10	97	125
70CDMR30NDLS	CDMR 70W/942 PAR30 SP	70W	ES/E27	942	10	97	125
70CDMR30F	CDMR 70W/830 PAR30 FL	70W	ES/E27	830	30	97	125
70CDMR30NDLF	CDMR 70W/942 PAR30 FL	70W	ES/E27	942	30	97	125
70CDMR30WF	CDMR 70W/830 PAR30 WFL70W	ES/E27	830	40	97	125	
70CDMR30NDLWF	CDMR 70W/942 PAR30 WFL70W	ES/E27	942	40	97	125	



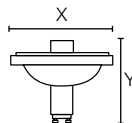
Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
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CERAMIC METAL HALIDE AR 111

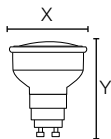
Manufacturers' references

Philips - CDM-R111
 Osram - HCI-R111

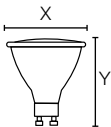
20CDMR111S	HCI-R 111 20W 830 SP	20W	GX8.5	830	10	111	95
20CDMR111F	HCI-R 111 20W 830 FL	20W	GX8.5	830	24	111	95
20CDMR111WF	HCI-R 111 20W 830 WFL	20W	GX8.5	830	40	111	95
35CDMR111S	CDM-R 111 35W/830 SP	35W	GX8.5	830	10	111	95
35CDMR111NDLS	HCI-R 111 35W 942 SP	35W	GX8.5	942	10	111	95
35CDMR111F	CDM-R 111 35W/830 FL	35W	GX8.5	830	24	111	95
35CDMR111NDLF	HCI-R 111 35W 942 FL	35W	GX8.5	942	24	111	95
35CDMR111WF	CDM-R 111 35W/830 WFL	35W	GX8.5	830	40	111	95
35CDMR111NDLWF	HCI-R 111 35W/942 WFL	35W	GX8.5	942	40	111	95
70CDMR111S	CDM-R 111 70W/830 SP	70W	GX8.5	830	10	111	95
70CDMR111F	CDM-R 111 70W/830 FL	70W	GX8.5	830	24	111	95
70CDMR111WF	CDM-R 111 70W/830 WFL	70W	GX8.5	830	40	111	95



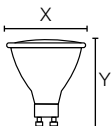
DISCHARGE



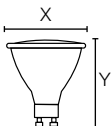
Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
GE CMH PRECISE MR16							
20ES50-SP	CMH20/MR16/UVC/830/GX10/SP	20W	GX10	830	12	51	54.5
20ES50-FL	CMH20/MR16/UVC/830/GX10/FL	20W	GX10	830	25	51	54.5
20ES50-WFL	CMH20/MR16/UVC/830/GX10/WFL	20W	GX10	830	40	51	54.5



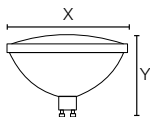
Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
SYLVANIA BRITESPOT ES50							
20ES50-FL	BRITESPOT ES 50 20W	20W	GX10	830	24	51	62.5
20ES50-WFL	BRITESPOT ES 50 20W	20W	GX10	830	38	51	62.5
20ES50-VWFL	BRITESPOT ES 50 20W	20W	GX10	830	60	51	62.5
35ES50-FL	BRITESPOT ES 50 35W	35W	GX10	830	24	51	62.5
35ES50-WFL	BRITESPOT ES 50 35W	35W	GX10	830	38	51	62.5
35ES50-VWFL	BRITESPOT ES 50 35W	35W	GX10	830	60	51	62.5



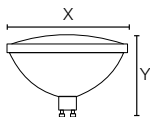
Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
SYLVANIA BRITESPOT ESD50 DICHROIC							
35ESD50-FL	BRITESPOT ESD 50 35W	35W	GX10	830	24	51	62.5
35ESD50-WFL	BRITESPOT ESD 50 35W	35W	GX10	830	38	51	62.5
35ESD50-VWFL	BRITESPOT ESD 50 35W	35W	GX10	830	60	51	62.5



Order code	Manufacturer's code	Watts	Cap	Colour	Beam angle °	X mm	Y mm
SYLVANIA BRITESPOT ESD50 COLOURED							
35ES50-BLUE	BRITESPOT ESD50 35W	35W	GX10	BLUE	12	51	62.5
35ES50-GREEN	BRITESPOT ESD50 35W	35W	GX10	GREEN	12	51	62.5
35ES50-RED	BRITESPOT ESD50 35W	35W	GX10	RED	12	51	62.5
35ES50-YELLOW	BRITESPOT ESD50 35W	35W	GX10	YELLOW	12	51	62.5



Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
SYLVANIA BRITESPOT ES111							
35ES111-SP	BRITESPOT ES111 35W	35W	GX10	830	8	111	75
35ES111-FL	BRITESPOT ES111 35W	35W	GX10	830	24	111	75
35ES111-WFL	BRITESPOT ES111 35W	35W	GX10	830	45	111	75



Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
SYLVANIA BRITESPOT ESD111 DICHROIC							
70ESD111-FL	BRITESPOT ESD111 70W	70W	GX10	830	24	111	75
70ESD111-WFL	BRITESPOT ESD111 70W	70W	GX10	830	45	111	75

01494 880099



Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
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PHILIPS METAL HALIDE LOW WATTAGE SINGLE ENDED - MHNT

MHNT70	MHNT 70W	70W	PG12-2	4000K	32	149
MHNT150	MHNT150W	150W	PGX12-2	4000K	37	149

Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
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PHILIPS CERAMIC METAL HALIDE LOW WATTAGE SINGLE ENDED - CDMTP

CDMTP70WDL	CDM-TP 70W/830	70W	PG12-2	3000K	32	149
CDMTP70NDL	CDM-TP 70W/942	70W	PG12-2	4200K	32	149
CDMTP150WDL	CDM-TP 150W/830	150W	PGX12-2	3000K	32	149
CDMTP150NDL	CDM-TP 150W/942	150W	PGX12-2	4000K	32	149

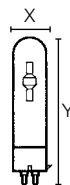
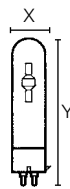
Order code	Manufacturer's code	Watts	Cap	Colour temp	Finish	X mm	Y mm
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LOW WATTAGE METAL ARC

Manufacturers' references

BLV - HIE
Venture - HIPE

SLI - HSI-MP

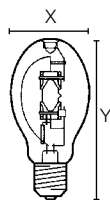
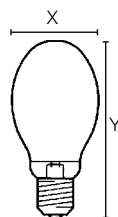


Please note we only show protected lamps that can be used in both open and enclosed fixtures as it is our policy to only supply protected lamps. This prevents the possibility of a lamp only suitable for use in an enclosed fixture being used in an open fixture. This is particularly applicable to coated lamps as the protective shroud is not visible.

50MVR-NDL*	HIE50/U/4K	50W	ES/E27	4000K	CLEAR	54	141
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*Only available unprotected

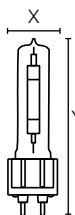
75MVR-WDL-P	HIPE70W/U/3K	70W	ES/E27	3000K	CLEAR	54	141
75MVR-WDL-PC	HIPE70W/C/U/3K	70W	ES/E27	3000K	COATED	54	141
75MVR-NDL-P	HIPE70W/U/4K	70W	ES/E27	4000K	CLEAR	54	141
75MVR-NDL-PC	HIPE70W/C/U/4K	70W	ES/E27	4000K	COATED	54	141
75MVR-D-P	HIPE70W/U/5K	70W	ES/E27	5000K	CLEAR	54	141
75MVR-D-PC	HIPE70W/C/U/5K	70W	ES/E27	5000K	COATED	54	141
100MVR-WDL-P	HIPE100W/U/3K	100W	ES/E27	3000K	CLEAR	54	141
100MVR-WDL-PC	HIPE100W/C/U/3K	100W	ES/E27	3000K	COATED	54	141
100MVR-NDL-P	HIPE100W/U/4K	100W	ES/E27	4000K	CLEAR	54	141
100MVR-NDL-PC	HIPE100W/C/U/4K	100W	ES/E27	4000K	COATED	54	141
100MVR-D-P	HIPE100W/U/5K	100W	ES/E27	5000K	CLEAR	54	141
100MVR-D-PC	HIPE100W/C/U/5K	100W	ES/E27	5000K	COATED	54	141
150MVR-WDL-P	HIPE150W/U/3K	150W	ES/E27	3000K	CLEAR	54	141
150MVR-WDL-PC	HIPE150W/C/U/3K	150W	ES/E27	3000K	COATED	54	141
150MVR-NDL-P	HIPE150W/U/4K	150W	ES/E27	4000K	CLEAR	54	141
150MVR-NDL-PC	HIPE150W/C/U/4K	150W	ES/E27	4000K	COATED	54	141
150MVR-D-P	HIPE150W/U/5K	150W	ES/E27	5000K	CLEAR	54	141
150MVR-D-PC	HIPE150W/C/U/5K	150W	ES/E27	5000K	COATED	54	141



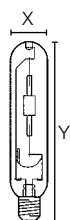
DISCHARGE



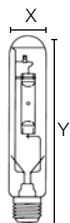
Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
PHILIPS WHITE SON - SDWT					
35SDWT	SDWT 35W	35W	PG12-1	32	149
50SDWT	SDWT 50W	50W	PG12-1	32	149
100SDWT	SDWT 100W	100W	PG12-1	32	149



Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
PHILIPS MINI WHITE SON - SDWTG					
50SDWTG	SDWTG 50W	50W	GX12-1	20	103
100SDWTG	SDWTG 100W	100W	GX12-1	20	110



Order code	Watts	Cap	Finish	X mm	Y mm
IWASAKI WHITE SON - SDX					
NHT50SDX	50W	ES/E27	CLEAR	30	110
NHT50FSDX	50W	ES/E27	FROSTED	30	110
NHT70SDX	70W	ES/E27	CLEAR	35	140
NHT70FSDX	70W	ES/E27	CLEAR	35	140
NHT100SDX	100W	ES/E27	CLEAR	35	140
NHT100FSDX	100W	ES/E27	FROSTED	35	140
NHT150SDX	150W	ES/E27	CLEAR	40	155
NHT150SDX-E40	150W	GES/E40	CLEAR	48	211
NHT150FSDX	150W	ES/E27	FROSTED	40	155
NHT250SDX	250W	GES/E40	CLEAR	48	211
NHT400SDX	400W	GES/E40	CLEAR	48	257

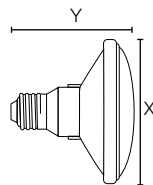


Order code	Watts	Cap	Colour temp	Finish	X mm	Y mm
IWASAKI COLOR ARC						
MT70SDW	70W	ES/E27	3500K	CLEAR	35	140
MT70FSDW	70W	ES/E27	3500K	FROSTED	35	140
MT70SW	70W	ES/E27	4500K	CLEAR	35	140
MT70FSW	70W	ES/E27	4500K	FROSTED	35	140
MT70D	70W	ES/E27	6500K	CLEAR	35	140
MT70FD	70W	ES/E27	6500K	FROSTED	35	140
MT100SDW	100W	ES/E27	3500K	CLEAR	35	140
MT100FSDW	100W	ES/E27	3500K	FROSTED	35	140
MT100SW	100W	ES/E27	4500K	CLEAR	35	140
MT100FSW	100W	ES/E27	4500K	FROSTED	35	140
MT100D	100W	ES/E27	6500K	CLEAR	35	140
MT100FD	100W	ES/E27	6500K	FROSTED	35	140
MT150SLW	150W	ES/E27	3000K	CLEAR	40	155
MT150FSLW	150W	ES/E27	3000K	FROSTED	40	155



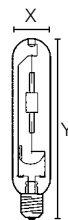
Order code	Watts	Cap	Colour temp	Finish	X mm	Y mm
IWASAKI COLOR ARC - continued						
MT150SDW	150W	ES/E27	3500K	CLEAR	40	155
MT150FSDW	150W	ES/E27	3500K	FROSTED	40	155
MT150SW	150W	ES/E27	4500K	CLEAR	40	155
MT150SW/E40	150W	GES/E40	4500K	CLEAR	40	155
MT150FSW	150W	ES/E27	4500K	FROSTED	40	155
MT150D	150W	ES/E27	6500K	CLEAR	40	155
MT150FD	150W	ES/E27	6500K	FROSTED	40	155
MT250SW	250W	GES/E40	4500K	CLEAR	48	220

Order code	Manufacturer's code	Watts	Cap	Colour temp	Beam angle °	X mm	Y mm
IWASAKI COLOR ARC PAR							
70PAR36S-BW	M70P36SSDW	70W	ES/E27	3500K	26	112	102
70PAR36F-BW	M70P36FSDW	70W	ES/E27	3500K	65	112	102
150PAR36S-BW	M150P36SSDW	150W	ES/E27	3500K	23X29	112	102
150PAR36F-BW	M150P36FSDW	150W	ES/E27	3500K	62X67	112	102
<hr/>							
70PAR36S-NDL	M70P36SSW	70W	ES/E27	4500K	26	112	102
70PAR36F-NDL	M70P36FSW	70W	ES/E27	4500K	65	112	102
150PAR36S-NDL	M150P36SSW	150W	ES/E27	4500K	23X29	112	102
150PAR36F-NDL	M150P36FSW	150W	ES/E27	4500K	62X67	112	102
<hr/>							
70PAR36S-D	M70P36SD	70W	ES/E27	6500K	26	112	102
70PAR36F-D	M70P36FD	70W	ES/E27	6500K	65	112	102
150PAR36S-D	M150P36SD	150W	ES/E27	6500K	23X29	112	102
150PAR36F-D	M150P36FD	150W	ES/E27	6500K	62X67	112	102



Order code	Watts	Cap	Colour temp	X mm	Y mm
CERAMIC METAL HALIDE - TUBULAR E27/E40 BASE					

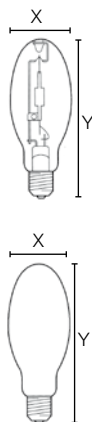
Manufacturers' references	Osram - HCI-TT		Phillips - CDO-TT		
	GE - CMH/TT				
CDMTT70WDL	70W	ES/E27	830	37	156
CDMTT100WDL	100W	GES/E40	830	48	209
CDMTT150WDL	150W	GES/E40	830	48	209
CDMTT150NDL	150W	GES/E40	942	48	209
CDMTT250WDL	250W	GES/E40	830	48	260
CDMTT250NDL	250W	GES/E40	942	48	260
CDMTT400WDL	400W	GES/E40	830	60	278



DISCHARGE

Order code	Watts	Cap	Colour temp	Finish	X mm	Y mm
CERAMIC METAL HALIDE - ELLIPTICAL E27/E40 BASE						

Manufacturers' references	Osram - HCI-E/P GE - CMH/E	Philips - CDO-ET
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CDMET35WDL-C	35W	ES/E27	830	CLEAR	54	138
CDMET35WDL	35W	ES/E27	830	COATED	54	138
CDMET35NDL-C	35W	ES/E27	942	CLEAR	54	138
CDMET35NDL	35W	ES/E27	942	COATED	54	138
CDMET70WDL-C	70W	ES/E27	830	CLEAR	54	138
CDMET70WDL	70W	ES/E27	830	COATED	54	138
CDMET70NDL-C	70W	ES/E27	942	CLEAR	54	138
CDMET70NDL	70W	ES/E27	942	COATED	54	138
CDMET100WDL-C	100W	ES/E27	830	CLEAR	54	138
CDMET100WDL	100W	ES/E27	830	COATED	54	138
CDMET100NDL-C	100W	ES/E27	942	CLEAR	54	138
CDMET100NDL	100W	ES/E27	942	COATED	54	138
CDMET150WDL-C	150W	ES/E27	830	CLEAR	55	138
CDMET150WDL	150W	ES/E27	830	COATED	55	138
CDMET150NDL-C	150W	ES/E27	942	CLEAR	55	138
CDMET150NDL	150W	ES/E27	942	COATED	55	138
CDMET250WDL	250W	GES/E40	830	COATED	90	251
CDMET250NDL	250W	GES/E40	942	COATED	90	251
CDMET400WDL-VBU	400W	GES/E40	830	COATED	120	282
CDMET400WDL-HOR	400W	GES/E40	830	COATED	120	282

Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm	Fig.
METAL HALIDE FOR AQUATICS - 10,000K							

HQITS70-10K	HIT-DE 70 CW	70W	RX7S	10,000K	20	114	1
HQITS150-10K	HIT-DE 150 CW	150W	RX7S	10,000K	23	132	1
HQITS250-10K	HIT-DE 250 CW	250W	FC2	10,000K	25	163	2
HQIT250-10K	HIT 250 CW E40	250W	GES/E40	10,000K	47	225	3
HQIT400-10K	HIT 400 CW E40	400W	GES/E40	10,000K	47	275	3
HQIT1000-10K	HIT 1000 CW E40	1000W	GES/E40	10,000K	76	340	3

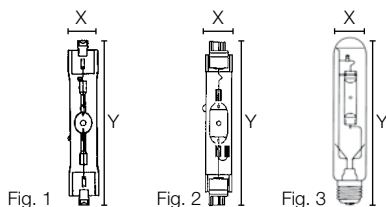


Fig. 1

Fig. 2

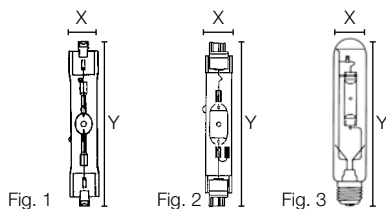
Fig. 3

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Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm	Fig.
METAL HALIDE FOR AQUATICS - 14,000K							
HQITS70-14K	HIT-DE 70 AW	70W	RX7S	14,000K	20	114	1
HQITS150-14K	HIT-DE 150 AW	150W	RX7S	14,000K	23	132	1
HQITS250-14K	HIT-DE 250 AW	250W	FC2	14,000K	25	163	2
HQIT250-14K	HIT 250 AW E40	250W	GES/E40	14,000K	47	225	3
HQIT400-14K	HIT 400 AW E40	400W	GES/E40	14,000K	47	275	3
HQIT1000-14K	HIT 1000 AW E40	1000W	GES/E40	14,000K	76	340	3

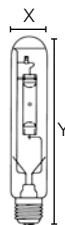
Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm	Fig.
METAL HALIDE FOR AQUATICS - 20,000K							
HQITS70-20K	HIT-DE 70 AB	70W	RX7S	20,000K	20	114	1
HQITS150-20K	HIT-DE 150 AB	150W	RX7S	20,000K	23	132	1
HQITS250-20K	HIT-DE 250 AB	250W	FC2	20,000K	25	163	2
HQIT250-20K	HIT 250 AB E40	250W	GES/E40	20,000K	47	225	3
HQIT400-20K	HIT 400 AB E40	400W	GES/E40	20,000K	47	275	3
HQIT1000-20K	HIT 1000 AB E40	1000W	GES/E40	20,000K	76	340	3



Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
CLEAN ACE METAL HALIDE 6500K						

- Metal Halide that closely resembles natural daylight
- Colour temperature 6500k, colour rendering index 90 Ra
- Requires only a mercury ballast for operation. Clean ace has its own integral ignitor
- Perfect for applications that require high power daylight illumination, such as commercial aquariums, paint shops, and printers

CAT250	MT250DL	250W	GES/E40	6500K	48	250
CAT400BH	MT400DL	400W	GES/E40	6500K	48	295



DISCHARGE

Fig. 1

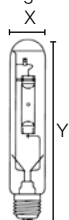


Fig. 2

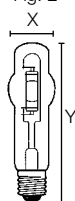


Fig. 3

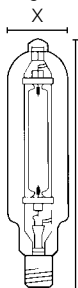
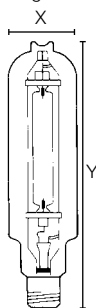
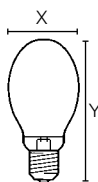


Fig. 4

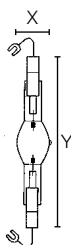


Order code	Manufacturer's code	Watts	Cap	Colour temp	Ignitor	X mm	Y mm	Fig.
OSRAM POWERSTAR HQIT								
HQIT250D	HQIT 250W/D	250W	GES/E40	5000K	EXTERNAL	46	225	1
HPIT250	HQIT 250W/N/SI	250W	GES/E40	4000K	EXTERNAL	58	248	1
HQIT400N	HQIT 400W/N	400W	GES/E40	4000K	EXTERNAL	46	273	1
HQIT400D	HQIBT 400W/D	400W	GES/E40	5000K	EXTERNAL	62	285	2
HPIT400	HQIT 400W/N/SI	400W	GES/E40	4000K	EXTERNAL	58	248	1
HQIT1000N	HQIT 1000W/N	1000W	GES/E40	4000K	EXTERNAL	76	345	1
HQIT1000D	HQIT 1000W/D	1000W	GES/E40	5000K	EXTERNAL	76	340	1
HQIT2000N	HQIT 2000W/N/E	2000W	GES/E40	4000K	EXTERNAL	100	430	4
HQIT2000NI	HQIT 2000W/N/I	2000W	GES/E40	4000K	INTERNAL	100	430	3
HQIT2000NIE	HQIT 2000W/N/I	2000W	GES/E40	4000K	INTERNAL	100	430	4
HQIT2000DI	HQIT 2000W/D/I	2000W	GES/E40	5000K	INTERNAL	100	430	3
HQIT2000NS	HQIT 2000W/N/E SUPER	2000W	GES/E40	4000K	EXTERNAL	100	430	3
HQIT2000D	HQIT 2000W/D	2000W	GES/E40	5000K	EXTERNAL	100	430	3
HQIT3500D	HQIT 3500W/D	3500W	GES/E40	5000K	EXTERNAL	100	435	3

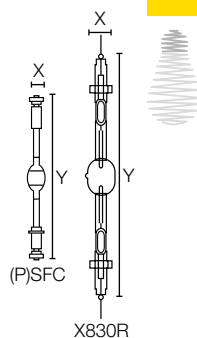
Order code	Manufacturer's code	Watts	Cap	Colour temp	Finish	X mm	Y mm
OSRAM POWERSTAR HQIE							
HPIE250	HQIE 250W/N/SI	250W	GES/E40	4000K		89	216
HQIE250D	HQIE 250W/D	250W	GES/E40	5000K		90	226
HQIE400N	HQIE 400W/N	400W	GES/E40	4000K		120	285
HQIE400NC	HQIE 400W/N/C	400W	GES/E40	4000K	CLEAR	120	285
HPIE400	HQIE 400W/N/SI	400W	GES/E40	4000K		118	297
HQIE400D	HQIE 400W/D	400W	GES/E40	5000K		120	285
HQIE1000N	HQIE 1000W/N	1000W	GES/E40	4000K		165	380
HQIE1000D	HQIE 1000W/D	1000W	GES/E40	5000K		165	380



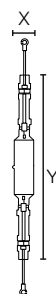
Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
OSRAM POWERSTAR HIGH WATTAGE HQITS						
HQITS1000N	HQITS 1000W/N/D/L/S	1000W	CABLE	4000K	36	187
HQITS1000D	HQITS 1000W/D/S	1000W	CABLE	5000K	36	187
HQITS2000N	HQITS 2000W/N/L	2000W	CABLE	4000K	36	187
HQITS2000D	HQITS 2000W/D/S	2000W	CABLE	5000K	36	187



Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
PHILIPS MHN-TD SA (SHORT ARC)						
1800MHNTD-SA-856	MHN-SA 1800W/856	1800W	X830R 5600K	41	318	
1800MHNTD-SA-956-SFC	MHN-SA 1800W/956	1800W	(P)SFC 5600K	41	364	
1800MHNTD-SA-956	MHN-SA 1800W/956	1800W	X830R 5600K	41	318	
1800MHNTD-SA-956HV	MHN-SA 1800W/956 400V	1800W	(P)SFC 5600K	41	364	
2000MHNTD-SA-956	MHN-SA 2000W/956 400V	2000W	X830R 5600K	41	318	

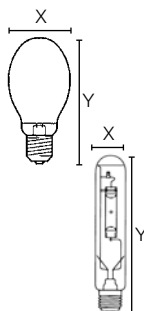


Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
PHILIPS MHN-TD LA (LONG ARC)						
1000MHNTD-LA-842	MHN-LA 1000W/842	1000W	CABLE 4200K	40	294	
1000MHNTD-LA-956	MHN-LA 1000W/956	1000W	CABLE 5600K	40	294	
2000MHNTD-LA-842	MHN-LA 2000W/842	2000W	CABLE 4200K	40	364	
2000MHNTD-LA-956	MHN-LA 2000W/956	2000W	CABLE 5600K	40	364	

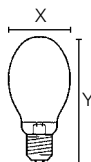


Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
PHILIPS HPI						

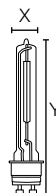
HPIT250	HPIT 250W PLUS	250W	GES/E40	4500K	47	257
HPIE250	HPIE 250W BU PLUS	250W	GES/E40	4500K	91	226
HPIE250-P	HPIE 250W BU PLUS PROTECTED	250W	GES/E40	4500K	91	226
HPIT400	HPIT 400W PLUS	400W	GES/E40	4500K	47	286
HPIE400	HPIE 400W BU PLUS	400W	GES/E40	4500K	122	284
HPIE400-HOR	HPIE 400W HOR	400W	GES/E40	4500K	122	284
HPIE400BUP	HPIE 400W BU PROTECTED	400W	GES/E40	4500K	122	284
HPIT1000	HPIT 1000W	1000W	GES/E40	4500K	66	382
HPIT2000	HPIT 2000W 240V	2000W	GES/E40	4500K	102	430
HPIT2000-380	HPIT 2000W 415V	2000W	GES/E40	4500K	102	430



Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
PHILIPS HPI PLUS BUS						
HPIE250BUS-P	HPI-E 250W PLUS BUS P	250W	GES/E40	4500K	91	226
HPIE400BUS	HPIE 400W PLUS BUS	400W	GES/E40	4500K	122	290
HPIE400BUS-P	HPIE 400W PLUS BUS P	400W	GES/E40	4500K	122	290



Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
PHILIPS COSMOPOLIS						
CPOT60-728	CPOT WHITE 60W/728	60W	PGZ12	2650-2850K	19	128
CPOT140-728	CPOT WHITE 140W/728	140W	PGZ12	2650-2850K	19	143
CPOT65-220	CPOT GOLD 65W/220	65W	PGZ12	2000K	19	128
CPOT140-220	CPOT GOLD 140W/220	140W	PGZ12	2000K	19	143



DISCHARGE

Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
PHILIPS INDUCTION LAMP - MASTER QL						

QL induction lamps offer an alternative to conventional discharge lamps and achieve ultra long life of up to 15 years operation (based on 4000 hours operation per year).

Discharge Vessel

QL55-82	QL55/827	55W	TWIST BASE 827	85	141
QL55-83	QL55/830	55W	TWIST BASE 830	85	141
QL55-84	QL55/840	55W	TWIST BASE 840	85	141
QL85-82	QL85/827	85W	TWIST BASE 827	111	181
QL85-83	QL85/830	85W	TWIST BASE 830	111	181
QL85-84	QL85/840	85W	TWIST BASE 840	111	181
QL165-82	QL165/827	165W	TWIST BASE 827	131	210
QL165-83	QL165/830	165W	TWIST BASE 830	131	210
QL165-84	QL165/840	165W	TWIST BASE 840	131	210

Power Coupler

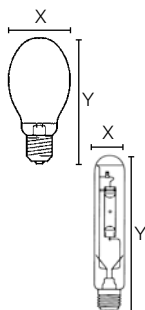
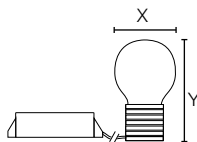
COUPLER-55W	POWER COUPLER	55W			
COUPLER-85W	POWER COUPLER	85W			
COUPLER-165W	POWER COUPLER	165W			

HF Generator

GENERATOR-55W	HF GENERATOR	55W			
GENERATOR-85W	HF GENERATOR	85W			
GENERATOR-165W	HF GENERATOR	165W			

Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
VENTURE EURO						

250MBIF	HIE 250W/C/U/EURO/4K	250W	GES/E40	3700K	90	215
250MBI-BU	HIE 250W/BU/EURO/4K	250W	GES/E40	4000K	90	215
250MBIF-BU	HIE 250W/C/BU/EURO/4K	250W	GES/E40	4000K	90	215
250MBI	HIE 250W/U/EURO/4K	250W	GES/E40	4000K	90	215
250MBIT	HIT 250W/U/EURO/4K	250W	GES/E40	4000K	46	225
400MBIF	HIE 400W/C/U/EURO/4K	400W	GES/E40	3700K	120	296
400MBIF-BU	HIE 400W/C/BU/EURO/4K	400W	GES/E40	3700K	120	296
400MBIF-H	HIE 400W/C/HOR/EURO/4K	400W	GES/E40	3700K	120	296
400MBI	HIE 400W/U/EURO/4K	400W	GES/E40	4000K	120	296
400MBI-BU	HIE 400W/BU/EURO/4K	400W	GES/E40	4000K	120	296
400MBIT	HIT 400W/U/EURO/4K	400W	GES/E40	4000K	46	285



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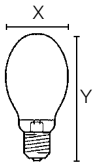
<i>Order code</i>	<i>Manufacturer's code</i>	<i>Watts</i>	<i>Cap</i>	<i>Colour temp</i>	<i>X mm</i>	<i>Y mm</i>
VENTURE WHITELUX METAL HALIDE - TUBULAR						
HIT70NDL	HIT 70W/U/LU/4K	70W	ES/E27	4000K	38	156
HIT100NDL-E27	HIT 100W/U/LU/T38/4K	100W	ES/E27	4000K	38	156
HIT100NDL	HIT 100W/U/LU/T46/4K	100W	GES/E40	4000K	46	211
HIT150NDL	HIT 150W/U/LU/T38/4K	150W	ES/E27	4000K	38	156
HIT150NDL-E40	HIT 150W/U/LU/T46/4K	150W	GES/E40	4000K	46	211
HQIT250N	HIT 250W/U/LU/4K	250W	GES/E40	4000K	46	225
HQIT250D	HIT 250W/U/LU/5K	250W	GES/E40	5000K	46	225
HQIT400N	HIT 400W/U/LU/4K	400W	GES/E40	4000K	46	285
HQIT400D	HIT 400W/U/LU/5K	400W	GES/E40	5000K	46	285
HQIT600N	HIT 600W/U/LU/4K	600W	GES/E40	4000K	76	283
HQIT1000N	HIT 1000W/U/LU/4K	1000W	GES/E40	4000K	76	340



DISCHARGE

Order code	Manufacturer's code	Watts	Cap	Colour temp	Finish	Burning position	X mm	Y mm
VENTURE WHITELUX METAL HALIDE ELLIPTICAL								

75MVR-NDL-P	HIPE 70W/U/LU/ UVS/4K	70W	ES/E27	4000K	CLEAR	U	54	141
75MVR-NDL-PC	HIPE 70W/C/U/LU/ UVS/4K	70W	ES/E27	3700K	COATED	U	54	141
100MVR-NDL-P	HIPE 100W/U/LU/ UVS/4K	100W	ES/E27	4000K	CLEAR	U	54	141
100MVR-NDL-PC	HIPE 100W/C/U/LU/ UVS/4K	100W	ES/E27	4000K	COATED	U	54	141
HIE100NDL-P	HIPE 100W/U/LU/ E90/UVS/4K	100W	GES/E40	4000K	CLEAR	U	90	215
HIE100NDL-PC	HIPE 100W/C/U/LU/ E90/UVS/4K	100W	GES/E40	3700K	COATED	U	90	215
150MVR-NDL-P	HIPE 150W/U/LU/ UVS/4K	150W	ES/E27	4000K	CLEAR	U	54	141
150MVR-NDL-PC	HIPE 150W/C/U/LU/ UVS/4K	150W	ES/E27	3700K	COATED	U	54	141
HIE150NDL-P	HIPE 150W/U/LU/ E90/UVS/4K	150W	GES/E40	4000K	CLEAR	U	90	215
HIE150NDL-PC	HIPE 150W/C/U/LU/ E90/UVS/4K	150W	GES/E40	3700K	COATED	U	90	215
HQIE250NC	HIE 250W/HBU/ LU/4K	250W	GES/E40	4000K	CLEAR	BU +/- 90°	90	215
HIPE250	HIPE 250W/HBU/ LU/UVS/4K	250W	GES/E40	4000K	CLEAR	BU +/- 90°	90	215
HQIE250N	HIE 250W/C/HBU/ LU/4K	250W	GES/E40	3700K	COATED	BU +/- 90°	90	215
HIPE250-C	HIPE 250W/C/HBU/ LU/UVS/4K	250W	GES/E40	3700K	COATED	BU +/- 90°	90	215
HQIE400N	HIE 400W/HBU/ LU/4K	400W	GES/E40	4000K	CLEAR	BU +/- 90°	120	296
HIPE400	HIPE 400W/HBU/ LU/UVS/4K	400W	GES/E40	4000K	CLEAR	BU +/- 15°	120	296
HQIE400N	HIE 400W/C/HBU/ LU/4K	400W	GES/E40	3700K	COATED	BU +/- 90°	120	296
HIPE400-C	HIPE 400W/C/HBU/ LU/UVS/4K	400W	GES/E40	3700K	COATED	BU +/- 15°	120	296



Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
VENTURE METAL HALIDE DUAL						

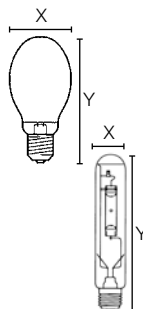
Venture dual lamps can replace both whitelux and euro lamps

HPIT250	HIT 250/U/DU/4K	250W	GES/E40	4000K	46	225
HPIT400	HIT 400/U/DU/4K	400W	GES/E40	4000K	46	285

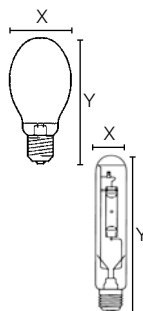




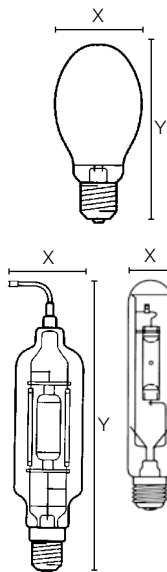
Order code	Old code	New code	Watts	Cap	Colour temp	Finish	X mm	Y mm
GE ARCSTREAM (MBI)								
HQIT250N-H	MBI250/T	ARC250/T/H/742/E40	250W	GES/E40	4200K	TUBULAR	46	220
HQIT250D-H	MBID250/T/H	ARC250/T/H/960/E40	250W	GES/E40	6000K	TUBULAR	47	219
HQIT250D-BU	MBID250/T/V	ARC250/T/VBU/960/E40	250W	GES/E40	6000K	TUBULAR	47	219
HQIE250N-H	MBI250/F/H	ARC250/D/H/740/E40	250W	GES/E40	4000K	COATED ELLIPTICAL	91	227
HQIE250D-H	MBID250/F/H	ARC250/D/H/960/E40	250W	GES/E40	6000K	COATED ELLIPTICAL	90	219
HQIE250D-BU	MBID250/F/V	ARC250/D/VBU/960/E40	250W	GES/E40	6000K	COATED ELLIPTICAL	90	219
HQIE250N-BUH	MBI250/BUH	ARC250/E/H/645/E40	250W	GES/E40	4500K	CLEAR ELLIPTICAL	91	227
HQIT400N-H	MBI400/T	ARC400/T/H/742/E40	400W	GES/E40	4200K	TUBULAR	46	260



Order code	Old code	New code	Watts	Cap	Colour temp	Finish	X mm	Y mm
GE KOLORARC (MBI)								
400MBITD-H	MBID400/T/H	KRC400/T/H/960/E40	400W	GES/E40	6000K	TUBULAR	59	270
400MBITD-BU	MBID400/T/V	KRC400/T/VBU/960/E40	400W	GES/E40	6000K	TUBULAR	59	270
400MBIF-BU	MBI400/F/BU	KRC400/D/VBU/740/E40	400W	GES/E40	4000K	COATED ELLIPTICAL	122	286
400MBIF-H	MBI400/F/H	KRC400/D/H/740/E40	400W	GES/E40	4000K	COATED ELLIPTICAL	122	286
400MBIF-BU-D	MBID400/F/V	KRC400/D/VBU/960/E40	400W	GES/E40	6000K	COATED ELLIPTICAL	121	282
400MBIF-H-DM	MBID400/F/H	KRC400/D/H/960/E40	400W	GES/E40	6000K	COATED ELLIPTICAL	121	281
400MBI-BU	MBI400/BU	KRC400/E/VBU/645/E40	400W	GES/E40	4500K	CLEAR ELLIPTICAL	122	286
400MBI-H	MBI400/H	KRC400/E/H/645/E40	400W	GES/E40	4500K	CLEAR ELLIPTICAL	122	286

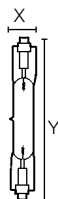


DISCHARGE



Order code	Old code	New code	Watts	Cap	Colour temp	Finish	X mm	Y mm
GE SPORTLIGHT (MBI)								
HQIT1000D	MBID1000/T/H	SPL1000/ T/H/960/E40	1000W	GES/E40	6000K	TUBULAR	81	340
1000MBI	MBI1000/U	SPL1000/ E/U/745/E40	1000W	GES/E40	4500K	CLEAR ELLIPTICAL	167	410
1000MBIF	MBI1000/F/U	SPL1000/ D/U/740/E40	1000W	GES/E40	4000K	COATED ELLIPTICAL	167	410
1000MBIF- H-D	MBID1000/F/H	SPL1000/ D/H/960/E40	1000W	GES/E40	6000K	COATED ELLIPTICAL	162	380
HQIT2000D	MBID2000/T	SPL2000/ T/H/960/E40	2000W	GES/E40	6000K	TUBULAR	101.5	430
2000MBITD- H-HR	MBID2000/T/ HR	SPL2000/ HR/T/H/960/ E40	2000W	GES/E40	6000K	TUBULAR (HOT RESTRIKE)	101.5	490
HQIT2000DI	MBID2000/T/I	SPL2000/I/ T/H/960/E40	2000W	GES/E40	6000K	TUBULAR (INTERNAL IGNITOR)	101.5	430

Order code	Old code	New code	Watts	Cap	Colour temp	X mm	Y mm
GE SPORTLIGHT LINEAR (MBIL)							
750MBIL	MBIL 750W	SPL750/ L/H/652/RX7S	750W	RX7S	5200K	19.3	256
1000MBIL	MBIL 1000W	SPL1000/ L/H/652/RX7S	1000W	RX7S	5200K	22.1	256
1500MBIL	MBIL 1500W	SPL1500/ L/H/652/RX7S	1500W	RX7S	5200K	24.3	256
1600MBIL	MBIL 1600W	SPL1600/ L/H/652/RX7S	1600W	RX7S	5200K	22.1	256
2000MBIL	MBIL 2000W	SPL2000/ L/H/652/SPEC	2000W	SPECIAL	5200K	26	311



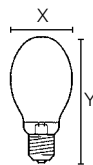
Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
BLV TOPFLOOD TUBULAR						
HIT150NDL-E40	HIT 150 NW E40	150W	GES/E40	4200K	47	211
HQIT250N	HIT 250 NW E40	250W	GES/E40	4200K	47	225
HQIT250D	HIT 250 DW E40	250W	GES/E40	5200K	47	225
HQIT400N	HIT 400 NW E40	400W	GES/E40	4200K	47	275
HQIT400D	HIT 400 DW E40	400W	GES/E40	5200K	47	275
HQIT1000D	HIT 1000 DW E40	1000W	GES/E40	6000K	76	340





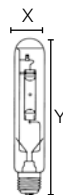
Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
BLV TOPLITE ELLIPTICAL						

HQIE250N	HIE 250 NW E40	250W	GES/E40	3700K	90	226
HQIE250D	HIE 250 DW E40	250W	GES/E40	5200K	90	226
HQIE400N	HIE 400 NW E40	400W	GES/E40	3700K	120	290
HQIE400D	HIE 400 DW E40	400W	GES/E40	5200K	120	290



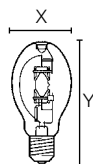
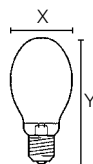
Order code	Manufacturer's code	Watts	Cap	Colour temp	X mm	Y mm
SYLVANIA HSI-TSX/HSI-THX TUBULAR						

HQIT250N	HSI-TSX 250W BRITELUX	250W	GES/E40	4200K	48	260
HQIT250D	HSIT 250W/D	250W	GES/E40	5300K	48	225
HQIT400N	HSI-TSX 400W BRITELUX	400W	GES/E40	4200K	63	270
HQIT400D	HSIT 400W/D	400W	GES/E40	6100K	63	285
HPIT250	HSI-THX 250W	250W	GES/E40	4500K	48	260
HPIT400	HSI-THX 400W	400W	GES/E40	4200K	63	270



Order code	Manufacturer's code	Finish	Watts	Cap	Colour temp	X mm	Y mm
SYLVANIA HSI-SX/HSI-HX ELLIPTICAL							

HQIE250N-C	HSI-SX 250W/CL BRITELUX	CLEAR	250W	GES/E40	4100K	90	227
HQIE250N-PC	HSI-SX 250W/CL/P BRITELUX	CLEAR/PROTECTED	250W	GES/E40	4500K	90	227
HQIE250N	HSI-SX 250W/CO BRITELUX	COATED	250W	GES/E40	3800K	90	227
HQIE250N-P	HSI-SX 250W/CO/P BRITELUX	COATED/PROTECTED	250W	GES/E40	4200K	90	227
HQIE400N-PC	HSI-SX 400W/CL/P BRITELUX	CLEAR/PROTECTED	400W	GES/E40	4300K	120	290
HQIE400N-P	HSI-SX 400W/CO/P BRITELUX	COATED/PROTECTED	400W	GES/E40	4200K	120	290
HPIE250BUC	HSI-HX 250W/CL	CLEAR	250W	GES/E40	4500K	90	227
HPIE250BU	HSI-HX 250W/CO	COATED	250W	GES/E40	3800K	90	227
HPIE250BUS	HSI-HX 250W/CO/I	COATED INTERNAL IGNITOR	250W	GES/E40	3800K	90	227
HPIE400BUC	HSI-HX 400W/CL	CLEAR	400W	GES/E40	4500K	120	290
HPIE400BU	HSI-HX 400W/CO	COATED	400W	GES/E40	3800K	120	290
HPIE400BUS	HSI-HX 400W/CO/I	COATED INTERNAL IGNITOR	400W	GES/E40	3800K	120	290

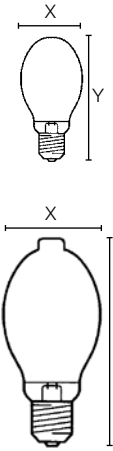


DISCHARGE

Order code	Manufacturer's code	Watts	Cap	Colour temp	Finish	Burning position	X mm	Y mm
MULTI VAPOR - UNIVERSAL BURNING								

Manufacturers' references	GE - MVR Venture - HIE CWA Metal Halide
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- Lamps designed to work in conjunction with constant wattage auto transformer (CWA) ballasts

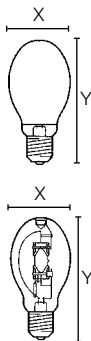


175MVR-U-E27	MVR 175/U/ E54/4K	175W	ES/E27	4000K	CLEAR	U	54	141
175MVR-CU-E27	MVR 175/C/U/ E54/4K	175W	ES/E27	3700K	COATED	U	54	141
175MVR-U	MVR 175/U/4K	175W	GES/E40	4000K	CLEAR	U	90	215
175MVR-CU	MVR 175/C/U/4K	175W	GES/E40	3700K	COATED	U	90	215
250MVR-U	MVR 250/U/4K	250W	GES/E40	4000K	CLEAR	U	90	215
250MVR-CU	MVR 250/C/U/4K	250W	GES/E40	3700K	COATED	U	90	215
400MVR-U	MVR 400/U/4K	400W	GES/E40	4000K	CLEAR	U	120	296
400MVR-CU	MVR 400/C/U/4K	400W	GES/E40	3700K	COATED	U	120	296
1000MVR-U-BT120	HIE 1000W/U/ BT120/4K	1000W	GES/E40	4000K	CLEAR	U	120	296
1000MVR-U-E39	MVR 1000/U/4K	1000W	MOGUL/ E39	4000K	CLEAR	U	180	395
1000MVR-U	MVR 1000/U/4K	1000W	GES/E40	4000K	CLEAR	U	180	395
1000MVR-CU	MVR 1000/C/U/4K	1000W	GES/E40	3700K	COATED	U	180	395
1500MVR-HBU	MVR 1500W/ HBU	1500W	MOGUL/ E39	3400K	CLEAR		180	391

Order code	Manufacturer's code	Watts	Cap	Colour temp	Finish	Burning position	X mm	Y mm
MULTI VAPOR - HIGH OUTPUT								

Manufacturer's reference	GE - MVR
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- Lamps designed to work in conjunction with constant wattage auto transformer (CWA) ballasts



175MVR-HOR	MVR 175/HOR	175W	POMB	4000K	CLEAR	HOR +/- 45 °	89	210
175MVR-C-HOR	MVR 175/C/HOR	175W	POMB	3700K	COATED	HOR +/- 45 °	89	210
175MVR-C-HOR-3K	MVR 175/C/ HOR/3K	175W	POMB	3200K	COATED	HOR +/- 45 °	89	210
250MVR-HOR	MVR 250/HOR	250W	POMB	4000K	CLEAR	HOR +/- 45 °	89	210
250MVR-C-HOR	MVR 250/C/HOR	250W	POMB	3700K	COATED	HOR +/- 45 °	89	210
250MVR-C-HOR-3K	MVR 250/C/ HOR/3K	250W	POMB	3200K	COATED	HOR +/- 45 °	89	210
400MVR-HOR	MVR 400/HOR	400W	POMB	4000K	CLEAR	HOR +/- 45 °	117	292
400MVR-C-HOR	MVR 400/C/HOR	400W	POMB	3700K	COATED	HOR +/- 45 °	120	296

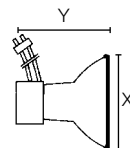
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Order code	Manufacturer's code	Watts	Cap	Colour temp	Finish	Burning position	X mm	Y mm
MULTI VAPOR - HIGH OUTPUT - continued								
400MVR-C-HOR-3K	MVR 400/C/HOR/3K	400W	POMB	3200K	COATED	HOR +/- 45 °	117	292
400MVR-BU	MVR 400/VBU/40	400W	GES/E40	4200K	CLEAR	VBU +/- 15 °	117	295
400MVR-C-BU	MVR 400/C/VBU/40	400W	GES/E40	3700K	COATED	VBU +/- 15 °	117	295
400MPR-BU	MPR 400/VBU/O/40	400W	GES/E40	4200K	CLEAR	VBU +/- 15 ° PROTECTED	117	292
400MPR-C-BU	MPR 400/C/VBU/O/40	400W	GES/E40	4200K	COATED	VBU +/- 15 ° PROTECTED	117	292

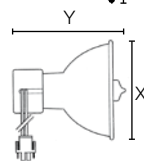
Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
METAL HALIDE FOR FIBRE OPTICS - OSRAM HQIR					

HQIR150N	HQIR 150W	150W	CABLE	95	92
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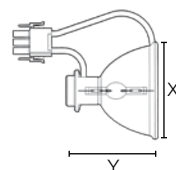
Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
METAL HALIDE FOR FIBRE OPTICS - PHILIPS CDM-SA/R					

150CDMSAR942	CDMSA/R 150/942	150W	AMP CONNECTOR	95	106
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Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
METAL HALIDE FOR FIBRE OPTICS - BLV MHR					

MHR100D	MHR 100 D	100W	3 CHANNEL PLUG	70	70
MHR100D-HR	MHR 100 D/HR	100W	5 CHANNEL PLUG HOT RESTRIKE	70	70
MHR150N	MHR 150 N	150W	5 CHANNEL PLUG	70	70
MHR250N	MHR 250 N	250W	5 CHANNEL PLUG	89	82



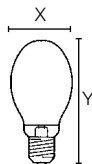
DISCHARGE

Order code	Watts	Cap	X mm	Y mm
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MERCURY MBFU

Manufacturers' references	Osram - HQL GE - Kolorlux Venture - MBF	SLI - HSL-BW Philips - HPL
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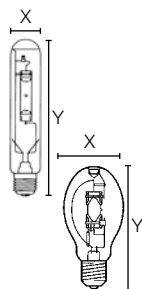
40MBF	40W	ES/E27	55	130
50MBF	50W	ES/E27	55	130
80MBF	80W	ES/E27	70	156
80MBF-BC3	80W	B22D 3 PIN	70	156
125MBF	125W	ES/E27	75	170
125MBF-BC3	125W	B22D 3 PIN	75	170
250MBF	250W	GES/E40	90	227
400MBF	400W	GES/E40	120	292
700MBF	700W	GES/E40	152	357
1000MBF	1000W	GES/E40	167	411



Order code	Watts	Cap	X mm	Y mm
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CLEAR MERCURY LAMPS MBU

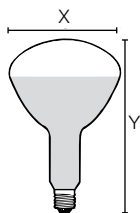
50MBU	50W	ES/E27	55	130
100MBU	100W	ES/E27	75	178
250MBU	250W	GES/E40	48	257
400MBU	400W	GES/E40	48	292



Order code	Watts	Cap	X mm	Y mm
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MERCURY REFLECTOR MBFRU

125MBFR	125W	ES/E27	127	187
250MBFR	250W	GES/E40	168	253
400MBFR	400W	GES/E40	183	293
700MBFR	700W	GES/E40	280	415
1000MBFR	1000W	GES/E40	250	370





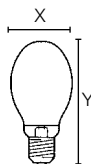
Order code	Watts	Cap	X mm	Y mm
DELUXE MERCURY MBF-D				

Manufacturers' references	Osram - HQL De Luxe GE - Kolorlux Deluxe Venture - Deluxe MBF	SLI - HSL-BSC Philips - HPL Comfort
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Deluxe mercury lamps are interchangeable with standard mercury lamps and have a yttrium vanadate deluxe phosphor coating to provide a white 3500k light.

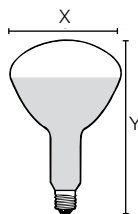
They also offer an improved colour rendition of 56 Ra compared to standard MBFU lamps.

50MBF-D	50W	ES/E27	55	130
80MBF-D	80W	ES/E27	70	156
125MBF-D	125W	ES/E27	75	170
250MBF-D	250W	GES/E40	90	227
400MBF-D	400W	GES/E40	120	292



Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
OSRAM DELUXE MERCURY REFLECTOR MBFR-D					

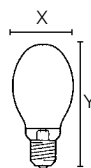
80MBFR-D	HQLR 80W DELUXE	80W	ES/E27	125	168
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Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
OSRAM SUPER DELUXE MERCURY MBF-SD					

Super Deluxe mercury lamps are interchangeable with both standard and deluxe mercury lamps. They have a gold filter to provide a warm light similar to incandescent lamps.

50MBF-SD	HQL 50W SUPER DELUXE	50W	ES/E27	55	130
80MBF-SD	HQL 80W SUPER DELUXE	80W	ES/E27	70	156
125MBF-SD	HQL 125W SUPER DELUXE	125W	ES/E27	75	170

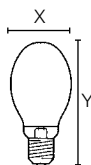


DISCHARGE

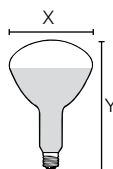
Order code	Watts	Cap	X mm	Y mm
BLENDED MERCURY - MLL				

Manufacturers' references	Osram - HWL	SLI - HSB-BW
	GE - MBTF	Philips - MLL
	Venture - MBTF	

Blended mercury lamps operate directly from the mains, they do not require control gear.



100MLL-BC	100W	BC/B22D	70	149.5
100MLL	100W	ES/E27	70	151
160MLL-BC	160W	BC/B22D	76	170
160MLL	160W	ES/E27	76	170
250MLL-E27	250W	ES/E27	90	227
250MLL	250W	GES/E40	90	227
500MLL	500W	GES/E40	120	292



Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
BLENDED MERCURY REFLECTOR - MLR					

160MLR	160W-HSB/R38	160W	ES/E27	120	160
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Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
LOW PRESSURE SODIUM - SOX					



SOX18	SOX 18W	18W	BC/B22D	53	216
SOX35P	SOX PLUS 35W	35W	BC/B22D	53	311
SOX55P	SOX PLUS 55W	55W	BC/B22D	53	425
SOX90P	SOX PLUS 90W	90W	BC/B22D	67	528
SOX135P	SOX PLUS 135W	135W	BC/B22D	67	775
SOX180	SOX 180W	180W	BC/B22D	66	1120

Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
LOW PRESSURE SODIUM - SOX - E					



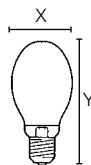
SOXE26	SOX E 26W	26W	BC/B22D	53	311
SOXE36	SOX E 36W	36W	BC/B22D	53	425
SOXE66	SOX E 66W	66W	BC/B22D	67	528
SOXE91	SOX E 91W	91W	BC/B22D	67	775
SOXE131	SOX E 131W	131W	BC/B22D	66	1120



Order code	Manufacturer's code	Watts	Cap	Finish	X mm	Y mm
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HIGH PRESSURE SODIUM ELLIPTICAL - SON E

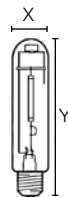
50SONE	SON-E 50W	50W	ES/E27		72	156
70SONE	SON-E 70W	70W	ES/E27		72	156
70SONE-C	SON-E 70W	70W	ES/E27	CLEAR	72	156
100SONE	SON-E 100W	100W	GES/E40		76	211
150SONE	SON-E 150W	150W	GES/E40		91	227
250SONE	SON-E 250W	250W	GES/E40		91	227
400SONE	SON-E 400W	400W	GES/E40		122	282
1000SONE	SON-E 1000W	1000W	GES/E40		161	372



Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
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HIGH PRESSURE SODIUM TUBULAR - SON T

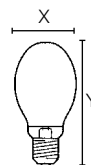
50SONT	SON-T 50W	50W	ES/E27	38.5	156
70SONT	SON-T 70W	70W	ES/E27	38.5	156
100SONT	SON-T 100W	100W	GES/E40	48	211
150SONT	SON-T 150W	150W	GES/E40	48	211
250SONT	SON-T 250W	250W	GES/E40	48	260
400SONT	SON-T 400W	400W	GES/E40	48	283
1000SONT	SON-T 1000W	1000W	GES/E40	67	372



Order code	Manufacturer's code	Watts	Cap	Finish	X mm	Y mm
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HIGH PRESSURE SODIUM - SON E WITH INTERNAL IGNITOR

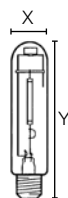
50SONEI	SON-E I 50W	50W	ES/E27		72	156
50SONEI-C	SON-E I 50W	50W	ES/E27	CLEAR	72	156
70SONEI	SON-E I 70W	70W	ES/E27		72	156
70SONEI-C	SON-E I 70W	70W	ES/E27	CLEAR	72	156
100SONEI	SON-E I 100W	100W	GES/E40		76	211
150SONEI	SON-E I 150W	150W	GES/E40		91	227
250SONEI	SON-E I 250W	250W	GES/E40		91	227
400SONEI	SON-E I 400W	400W	GES/E40		122	282
1000SONEI	SON-E I 1000W	1000W	GES/E40		165	370



Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
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HIGH PRESSURE SODIUM - SON T WITH INTERNAL IGNITOR

50SONTI	SON-T I 50W	50W	ES/E27	35	156
70SONTI	SON-T I 70W	70W	ES/E27	35	156
100SONTI	SON-T I 100W	100W	GES/E40	48	211
150SONTI	SON-T I 150W	150W	GES/E40	46	211
250SONTI	SON-T I 250W	250W	GES/E40	46	257
400SONTI	SON-T I 400W	400W	GES/E40	46	285
1000SONTI	SON-T I 1000W	1000W	GES/E40	65	355



DISCHARGE

Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
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HIGH PRESSURE SODIUM - SON E DELUXE

Manufacturers' references

Osram - SON Deluxe
 GE - Lucalox Classique
 Philips - SON Comfort



SON deluxe lamps offer an improved colour rendering index of 65 Ra compared to standard SON that has an index of 23 Ra.

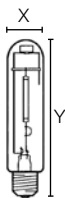
150SONE-DE	SON-E DELUXE 150W	150W	GES/E40	91	227
250SONE-DE	SON-E DELUXE 250W	250W	GES/E40	91	227
400SONE-DE	SON-E DELUXE 400W	400W	GES/E40	122	282

Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
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HIGH PRESSURE SODIUM - SON T DELUXE

Manufacturers' references

Osram - SON Deluxe
 GE - Lucalox Classique
 Philips - SON Comfort



SON deluxe lamps offer an improved colour rendering index of 65 Ra compared to standard SON that has an index of 23 Ra.

150SONT-DE	SON-T DELUXE 150W	150W	GES/E40	46	211
250SONT-DE	SON-T DELUXE 250W	250W	GES/E40	46	257
400SONT-DE	SON-T DELUXE 400W	400W	GES/E40	46	285

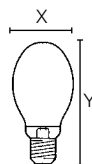
Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
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HIGH PRESSURE SODIUM - SON PLUS - ELLIPTICAL

Manufacturers' references

Osram - Vialox NAV-T Super 4Y
 GE - Lucalox XO
 SLI - SHP-T Super
 Philips - Master SON-T PIA Plus

- Up to 20% improvement in light output compared to standard SON lamps
- Higher Xenon gas pressure in the arc tube results in superior lumen maintenance



50SONEP	SON-E PLUS 50W	50W	ES/E27	72	156
70SONEP	SON-E PLUS 70W	70W	ES/E27	72	156
100SONEP	SON-E PLUS 100W	100W	GES/E40	76	211
150SONEP	SON-E PLUS 150W	150W	GES/E40	91	227
250SONEP	SON-E PLUS 250W	250W	GES/E40	91	227
400SONEP	SON-E PLUS 400W	400W	GES/E40	122	282

01494 880099

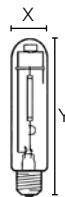


Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
HIGH PRESSURE SODIUM - SON PLUS - TUBULAR					

Manufacturers' references	Osram - Vialox NAV-E Super 4Y
	GE - Lucalox XO
	SLI - SHP-E Super
	Philips - Master SON-E PIA Plus

- Up to 20% improvement in light output compared to standard SON lamps
- Higher Xenon gas pressure in the arc tube results in superior lumen maintenance

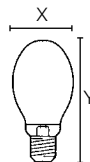
50SONTP	SON-T PLUS 50W	50W	ES/E27	38.5	156
70SONTP	SON-T PLUS 70W	70W	ES/E27	38.5	156
100SONTP	SON-T PLUS 100W	100W	GES/E40	48	211
150SONTP	SON-T PLUS 150W	150W	GES/E40	48	211
250SONTP	SON-T PLUS 250W	250W	GES/E40	48	260
400SONTP	SON-T PLUS 400W	400W	GES/E40	48	283
600SONTP	SON-T PLUS 600W	600W	GES/E40	48	283



Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
HIGH PRESSURE SODIUM - TWINARC/STANDBY - ELLIPTICAL					

- High pressure sodium lamp with two arc tubes
- Double lamp life due to twin arc tube construction
- Dual arc tube design guarantees immediate restrike after power interruption

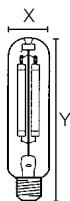
35SONE-TA	SON-E TWINARC 35W	35W	ES/E27	72	165
50SONE-TA	SON-E TWINARC 50W	50W	ES/E27	72	165
70SONE-TA	SON-E TWINARC 70W	70W	ES/E27	72	165
100SONE-TA	SON-E TWINARC 100W	100W	GES/E40	78	186
150SONE-TA	SON-E TWINARC 150W	150W	GES/E40	91	227
250SONE-TA	SON-E TWINARC 250W	250W	GES/E40	91	227
400SONE-TA	SON-E TWINARC 400W	400W	GES/E40	122	292



DISCHARGE

Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
HIGH PRESSURE SODIUM - TWINARC/STANDBY - TUBULAR					

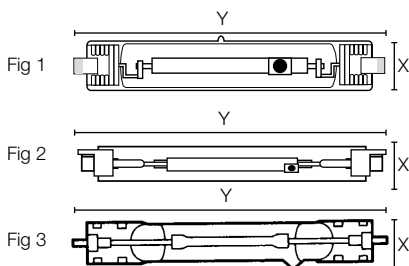
- High pressure sodium lamp with two arc tubes
- Double lamp life due to twin arc tube construction
- Dual arc tube design guarantees immediate restrike after power interruption



50SONT-TA	SON-T TWINARC 50W	50W	ES/E27	39	156
70SONT-TA	SON-T TWINARC 70W	70W	ES/E27	39	156
100SONT-TA	SON-T TWINARC 100W	100W	GES/E40	48	211
150SONT-TA	SON-T TWINARC 150W	150W	GES/E40	48	211
250SONT-TA	SON-T TWINARC 250W	250W	GES/E40	48	260
400SONT-TA	SON-T TWINARC 400W	400W	GES/E40	48	292
1000SONT-TA	SON-T STANDBY 1000W	1000W	GES/E40	68	400

Order code	Manufacturer's code	Watts	Cap	X mm	Y mm	Fig.
HIGH PRESSURE SODIUM - DOUBLE ENDED						

70SONTS	SON-TS 70W PLUS	70W	RX7S	70	114	1
150SONTS	SON-TS 150W PLUS	150W	RX7S	23	132	1
150SONTS-FC2	HST-DE 150W	150W	FC2	23	205	2
250SONTS	SON-TS 250W	250W	FC2	23	206	2
250SONTD	SON-TD 250W	250W	RX7S	23	189	3
400SONTS	SON-TS 400W	400W	FC2	23	206	2
400SONTD	SON-TD 400W	400W	RX7S	23	254	3
1000SONTD	SON-TD 1000W	1000W	RX7S	22.4	334	3



01494 880099



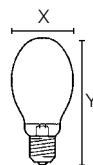
Order code	Manufacturer's code	Watts	Cap	Equivalent mercury lamp	X mm	Y mm
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HIGH PRESSURE SODIUM - MERCURY REPLACEMENT

Manufacturers' references

Osram - Vialox NAV-E Plug in
 GE - Lucalox E-Z Lux
 SLI - SPX Eco Arc
 Philips - SON H Pro

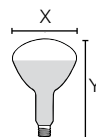
50SONH	SON-H 50W	50W	ES/E27	MBF 50W	55	130
75SONEI	SON-H 75W	75W	ES/E27	MBF80W	70	156
110SONEI	SON-H 98W ECO ARC	98W	ES/E27	MBF 125W	76	176
110SONEI-BC3	SON-H 98W ECO ARC	98W	B22D 3 PIN	MBF125W	76	176
110SONEI	SON-H 110W	110W	ES/E27	MBF125W	75	170
110SONEI-BC3	SON-H 110W	110W	B22D 3 PIN	MBF 125W	75	170
210SONEI	SON-H 190W ECO ARC	190W	GES/E40	MBF 250W	91	228
210SONEI	SON-H 210W	210W	GES/E40	MBF 250W	90	226
210SONEI	SON-H 220W	220W	GES/E40	MBF 250W	90	226
310SONEI	SON-H 295W ECO ARC	295W	GES/E40	MBF 400W	122	292
310SONEI	SON-H 310W	310W	GES/E40	MBF 400W	120	290
350SONEI	SON-H 350W	350W	GES/E40	MBF 400W	120	290
660SONEI	SON-H 660W	660W	GES/E40	MBF700W	150	357
940SONEI	SON-H 940W	940W	GES/E40	MBF 1000W	165	395



Order code	Manufacturer's code	Watts	Cap	X mm	Y mm
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HIGH PRESSURE SODIUM - SON R

70SONR	SON-R 70W	70W	ES/E27	75	175
250SONRI	NHR250/I	250W	GES/E40	165	310
400SONRI	NHR400/I	400W	GES/E40	180	315



Order code	Watts	Cap	X mm	Y mm
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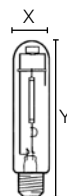
HIGH PRESSURE SODIUM FOR PLANT GROWTH

Manufacturers' references

Osram - Plantastar
 GE Lucalox XO PSL
 SLI - Gro-Lux
 Philips - SON-T PIA Agro

Spectrum optimised to promote photosynthesis of plants under artificial lighting conditions.

400SONTA	400W	GES/E40	48	292
600SONTA	600W	GES/E40	48	292



DISCHARGE