

High Pressure lamps
High Pressure Metal Halide lamps
High Pressure Sodium lamps
Low Pressure Sodium lamps
High Pressure Quartz Metal Halide lamps
Ceramic Metal Halogen lamps



Repair Management Nederland B.V.
 More management less firefighting

Philips HID lamps MASTER CityWhite CDO-ET

Ceramic metal halide lamp, with opalized ovoid outer bulb shape, used in outdoor offering pleasant WHITE light.
 Colour rendering index Ra 80
 20% failures 12000 hours.
 Can be used in all SON installations with an external ignitor.
 To be used in enclosed fixtures.
 Interchangeable with high pressure high pressure sodium lamps (SON) on conventional or electronic (not dimmable) ballast.
 Dimmable with a special HID-dynavision ballast.
 Constant light colour during the whole lifetime of the lamp.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	50W	70W	100W	150W
A (mm.)	91	91	75	71
B (mm.)	230	230	186	156

Number	Lamp			
	Wattage	LM	Base	Type
834001	50W	4000	E27	CDOET50W828
834002	70W	5600	E27	CDOET70W828
834003	100W	7800	E40	CDOET100W828
834004	150W	12500	E40	CDOET150W828

Philips HID lamps MASTER CityWhite CDO-TT

Ceramic metal halide Outdoor with clear tubular outer bulb.
 Offering a pleasant WHITE light.
 Colour rendering index Ra 80-85
 20% failures 8000 hour (250W) and 12000 hours (50W, 70W, 100W, 150W)
 Can be used in each SON installation with an external ignitor.
 To be used in enclosed fixtures.
 Interchangeable with high pressure high pressure sodium lamps (SON) on conventional or electronic (not dimmable) ballast.
 Dimmable with a special HID-dynavision ballast.
 Constant light colour during the whole lifetime of the lamp.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	50W	70W	100W	150W	250W
A (mm.)	33	47	47	33	47
B (mm.)	152	211	209	156	255

Number	Lamp			
	Wattage	LM	Base	Type
834010	50W	4150	E27	CDOTT50W828
834011	70W	6300	E27	CDOTT70W828
834012	100W	8800	E40	CDOTT100W828
834013	150W	13200	E40	CDOTT150W828
834014	250W	22500	E40	CDOTT250W828



Philips HID lamps SON

SON is a cost-efficient and reliable solution in High Pressure Sodium. High Pressure Sodium lamp, with opalized ovoid outer bulb shape, GOLDEN YELLOW light colour
Colour rendering index Ra 25.
Dimmable.
With an internal ignitor (50W and 70W) only for the I versions.
The 70W version with an internal ignitor also available in (CL) clear.
Very robust construction is vibration and shock resistant.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	50WI	70WI	50W	70W	100W	150W	250W	400W	1000W
A (mm.)	71	71	167	167	91	71	71	75	122
B (mm.)	156	156	186	400	227	156	156	186	290

Number	Lamp Wattage	LM	Base	Type
830980	50W	3400	E27	SON50WE27I
830982	70W	5600	E27	SON70WE27I
830982B	70W	6000	E27	SON70WCI
830981	50W	3500	E27	SON50WE27E
830983	70W	5600	E27	SON70WE27I
830983B	100W	8500	E40	SON100WE40
830984	150W	14500	E40	SON150WE40
830985	250W	27000	E40	SON250WE40
830986	400W	48000	E40	SON400WE40
830987	1000W	130000	E40	SON1000WE40



Philips HID lampen SON PIA Plus (Hg Free)

High Pressure Sodium lamp, with opalized ovoid outer bulb shape, GOLDEN YELLOW Light colour, Free of Lead
Free of mercury (except 50W and 70W)
With a PIA (Philips Inegrated Antenna) for a longer lifetime.
Colour rendering Ra 25.
5% failure 16000 uur. Dimmable.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	50W	70W	150W	250W	400W
A (mm.)	71	71	91	91	122
B (mm.)	156	156	227	227	290

Number	Lamp Wattage	LM	Base	Type
830989	50W	3500	E27	SONPIA50WE27
830990	70W	5600	E27	SONPIA70WE27
830991	150W	15800	E40	SONPIA150WHGF
830992	250W	29700	E40	SONPIA250WHGF
830993	400W	53600	E40	SONPIA400WHGF

Philips HID lampen SON Comfort

Opalized High Pressure Sodium Lamp. GOLDEN YELLOW light colour.
Colour rendering Ra 65, 5% failure 8000 hour. Dimmable

Wattage	150W	250W	400W
A (mm.)	71	71	122
B (mm.)	227	227	290

Number	Lamp Wattage	LM	Base	Type
830994	150W	12500	E40	SONCOM150W
830995	250W	22000	E40	SONCOM250W
830996	400W	37000	E40	SONCOM400W



Philips HID lamps MASTER HPI Plus

Quartz metal halide lamps with opalized outer bulb. WHITE light.
The "PLUS" lamps can be used on HPL and HPS (SON) ballast devices.

Output Lumen is based on a HPL ballast.

BU=Base Up (lampbase up), S=Internal Ignitor as replacement of HPL lamps, P=Protected by a special teflon coating and HOR= horizontal +-20°

Kleurweergave Colour rendering Ra 69

50% failure 20000 hour. Lamp base E40.

To be used in enclosed fixtures, the protected (P) version is allowed to be used in an open fixture.

Dimension in mm. A = Width

Dimension in mm. B = length

Wattage	250WBU	400WBU	250WBUP	400WBUP	250WBUS	400WBUS
A (mm.)	122	122	118	90	122	122
B (mm.)	290	284	290	218	290	284

Wattage	400WBUSP	400WE40	250WDL	400WDL
A (mm.)	118	91	122	91
B (mm.)	290	226	290	226

Light colour 745

Number	Lamp Wattage	LM	Base	Type
834030	250W	18000	E40	HPIPLUS250WBU
834031	250W	18000	E40	HPIPLUS250WBUP
834032	400W	32500	E40	HPIPLUS400WBU
834033	400W	32500	E40	HPIPLUS400WBUS
834034	400W	32500	E40	HPIPLUS400WBUP
834035	400W	32500	E40	HPIPLUS400WBUSP
834036	400W	30000	E40	HPIPLUS400WE40

Light colour 767

Number	Lamp Wattage	LM	Base	Type
834037	250W	18000	E40	HPIPLUS250WDL
834038	400W	32500	E40	HPIPLUS400WBDL

Philips HID lamps SON-T

High Pressure Sodium Lamp with clear tubular outer bulb.

Free of lead. Colour rendering Ra 25.

5% failure 10000 hour and 6000 hour (1000W)

Dimmable. GOLDEN YELLOW light colour.

Dimension in mm. A = Width

Dimension in mm. B = length

Wattage	70W	100W	150W	250W	400W	1000W
A (mm.)	38	48	48	48	48	67
B (mm.)	156	210	210	257	283	390

Number	Lamp Wattage	LM	Base	Type
831014	70W	6000	E27	SONT70WE27
831015	100W	9000	E40	SONT100W
831016	150W	15000	E40	SONT150W
831017	250W	28000	E40	SONT250W
831018	400W	48000	E40	SONT400W
831019	1000W	130000	E40	SONT1000W



Philips HID lamps SON-T Comfort

High Pressure Sodium Lamp with clear tubular outer bulb.
 Free of lead. Colour rendering Ra 65.
 5% failure 8000 hour.
 Dimmable. GOLDEN YELLOW light colour.

Wattage	150W	250W	400W
A (mm.)	47	47	47
B (mm.)	211	257	283

Number	Lamp Wattage	LM	Base	Type
831026	150W	6000	E27	SONTCOM150W
831027	250W	9000	E40	SONTCOM250W
831028	400W	15000	E40	SONTCOM400W

Philips HID lamps MASTER SON-T PIA Plus (Hg Free)

High Pressure Sodium lamp with clear tubular outer bulb, long reliable lifetime and zero mercury.
 Good lumen/watt ration, long lifetime.
 Very reliable 0% failure the first 6000 hours.
 With a PIA (Philips Integrated Antenna) for a longer lifetime and highest output. Free of lead, mercury see type.
 Colour rendering Ra 25.
 5% failure 16000 hour.
 Dimmable.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	50W	70W	100W	150W	250W	400W
A (mm.)	38	38	48	48	48	48
B (mm.)	156	156	210	210	257	283

Dimension HG Free

Wattage	100W	150W	250W	400W
A (mm.)	47	47	47	47
B (mm.)	210	210	257	279

Number	Lamp Wattage	LM	Base	Type
831021	50W	4400	E27	SONTPLUS50W
831022	70W	6600	E27	SONTPLUS70W
831023	100W	10700	E40	SONTPLUS100W
831024	150W	18000	E40	SONTPLUS150W
831025	250W	33300	E40	SONTPLUS250W
831026	400W	56500	E40	SONTPLUS400W

HG Free

Number	Lamp Wattage	LM	Base	Type
831022B	100W	10000	E40	SONTPLUS100WHGF
831023B	150W	17100	E40	SONTPLUS150WHGF
831024B	250W	32200	E40	SONTPLUS250WHGF
831025B	400W	56000	E40	SONTPLUS400WHGF



Philips HID lamps MASTER Colour CDM-TT

High-intensity discharge lamp with a CDM discharge tube inside a SON lamp clear tubular outer bulb. WHITE light
 Interchangeable with high pressure high pressure sodium lamps (SON)
 20% failure 12000 hour and 50% 14000 hour.
 Colour rendering Ra 90
 Constant light colour during the whole lifetime.
 To be use in enclosed fixtures.
 Interchangeable with high pressure sodium lamps (SON) on conventional and Electronic (not dimmable) ballast.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	70W	150W
A (mm.)	33	46
B (mm.)	156	211

Number	Lamp Wattage	LM	Base	Type
834050	70W	6400	E27	CDMTT70W942
834051	150W	12000	E40	CDMTT150W942

Philips HID lamps HPI-T Plus

Quartz metal halide lamps with clear outer bulb. WHITE light.
 The "Plus" lamps can be used on HPL and HPS (SON) ballast equipment.
 Light output is based on a HPL ballast.
 Colour rendering Ra 65, Colour temperature 4500 Kelvin
 50% failure 20000 hour.
 To be used in enclosed fixtures.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	250W	400W
A (mm.)	47	47
B (mm.)	255	286

Number	Lamp Wattage	LM	Base	Type
832021	250W	19000	E40	HPITPLUS250WE40
832022	400W	35000	E40	HPITPLUS400WE40

Philips HID lamps HPI-T

Quartz metal halide lamps with clear outer bulb. WHITE light.
 Colour rendering Ra 65
 50% failure 10000 hour.
 Operating position P20 and P75 (2000W 220V)
 Voltage 220V and 380V (2000W HO)
 To be used in enclosed fixtures.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	1000W	2000W 380 Volt	2000W 220 Volt
A (mm.)	66	102	102
B (mm.)	382	430	430
Kleur (K)	4300	3800	4200

Number	Lamp Wattage	LM	Base	Type
832023	1000W	85000	E40	HPIT1000WE40
832024	2000W	210000	E40	HPIT2000W380VHO
832025	2000W	189000	E402	HPIT2000WE402



Philips Compacte HID lamps MHN-TD

Double-ended quartz Metal-halide lamp.
 For a better light quality and longer lifetime switch to the CDM-TD.
 Metal Halide Lamps (quartz-tube)
 Colour rendering Ra 75 (3000 K) and Ra 85 (4200 K)
 50% failure 9000 hour.
 Lampbase RX7S and FC2 (250W)
 UV-Block for reduced heat and fading risks.
 Operating positions P45
 To be used in enclosed fixtures.

Dimension in mm. A = Width
Dimension in mm. B = length

Colour 730 - 3000 Kelvin

Wattage	70W	150W
A (mm.)	21	24
B (mm.)	120	138



Number	Lamp Wattage	LM	Base	Type
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832010	70W	6200	RX7S	MHWTD70W
832011	150W	13800	RX7S	MHWTD150W

Colour 842 - 4200 Kelvin

Wattage	70W	150W	250W
A (mm.)	21	24	28
B (mm.)	120	138	162



Number	Lamp Wattage	LM	Base	Type
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832012	70W	5700	RX7S	MHNTD70W
832013	150W	12900	RX7S	MHNTD150W
832014	250W	20000	RX7S	MHNTD250W



Philips Compacte HID lamps Master Colour CDM-TD

Ceramic Metal-Halogen lamp with double-ended lampbase.
 Can be used as replacement for quartz lamps with a lot of benefits.
 Replacement for the MHN-TD lamps.
 Colour rendering Ra 82 (3000 K) and Ra 92 (4200 K)
 10% failure 13000 hour and 50% failure 16000 hour.
 Lampbase RX7S.
 UV-Block for reduced heat and fading risks.
 Stable light colour during the entire lifetime.
 Operating position p45.

Te gebruiken in gesloten armaturen.

Dimension in mm. A = Width
Dimension in mm. B = length

Kleur 830 - 3000 Kelvin

Wattage	70W	150W
A (mm.)	22	25
B (mm.)	120	138



Number	Lamp Wattage	LM	Base	Type
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832015	70W	6500	RX7S	CDMTD70W830
832016	150W	13250	RX7S	CDMTD150W830

Dimension in mm. A = Width
Dimension in mm. B = length

Kleur 942 - 4200 Kelvin

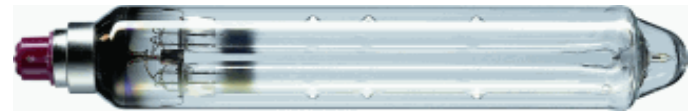
Wattage	70W	150W
A (mm.)	22	25
B (mm.)	120	138



Number	Lamp Wattage	LM	Base	Type
832017	70W	6000	RX7S	CDMTD70W942
832018	150W	14200	RX7S	CDMTD150W942

Philips HID lamps SOX

Low pressure Sodium lamp. ORANGE YELLOW light.
 Dimples discharge tube for stabile charging and an equal output.
 Light colour 1800 Kelvin.
 Colour rendering NA
 20% failure 12000 hour.
 Lampbase BY22d
 Operation position H110 (35W en 55W) en P20
 Lampbase red
 Highest Lumen/Watt ratio



Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	35W	55W	90W	135W	180W
A (mm.)	52	52	66	66	66
B (mm.)	311	425	528	775	1120

Number	Lamp Wattage	LM	Base	Type
830950	35W	4550	BY22d	SOX35W
830951	55W	7800	BY22d	SOX55W
830952	90W	13700	BY22d	SOX90W
830953	135W	22600	BY22d	SOX135W
830954	180W	32000	BY22d	SOX180W

Philips HID lamps SOX-E

Low pressure Sodium lamp, high efficacy. ORANGE YELLOW light.
 Dimples discharge tube for stabile charging and an equal output.
 Light colour 1800 Kelvin.
 Colour rendering NA
 20% failure 12000 hour.
 Lampbase BY22d
 Operation position H110 (18W en 26W) en P20
 Lampbase black
 Highest Lumen/Watt ratio



Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	18W	26W	36W	66W	91W	131W
A (mm.)	52	52	52	66	66	66
B (mm.)	216	311	425	528	775	1120

Number	Lamp Wattage	LM	Base	Type
830955	18W	1800	BY22d	SOXE18W
830956	26W	3800	BY22d	SOXE26W
830957	36W	6200	BY22d	SOXE36W
830958	66W	10500	BY22d	SOXE66W
830959	91W	17500	BY22d	SOXE91W
830960	131W	26200	BY22d	SOXE131W

Philips HID lamps MASTER SOX PSG

Low pressure Sodium lamp, high efficacy. ORANGE YELLOW light.
 With a PSG (Philips Solid state Getter) for a longer lifetime and highest output.
 Dimples discharge tube for stabile charging and an equal output.
 Colour rendering NA
 Light colour 1800 Kelvin.
 10% failure 12000 hour.
 Lampbase BY22d
 Operation position H110
 Lampbase blue.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	35W	55W
A (mm.)	52	52
B (mm.)	311	425

Number	Lamp Wattage	LM	Base	Type
830965	35W	4800	BY22d	SOXPSG35W
830966	55W	8100	BY22d	SOXPSG55W

Philips HID lampen MASTER SOX-E PSG

Low pressure Sodium lamp, high efficacy. ORANGE YELLOW light.
 With a PSG (Philips Solid state Getter) for a longer lifetime and highest output.
 Dimples discharge tube for stabile charging and an equal output.
 Colour rendering NA
 Light colour 1800 Kelvin.
 10% failure 12000 hour.
 Lampbase BY22d
 Operation position H110
 Lampbase green.

Dimension in mm. A = Width
Dimension in mm. B = length

Wattage	36W
A (mm.)	52
B (mm.)	425

Number	Lamp Wattage	LM	Base	Type
830965	36W	6200	BY22d	SOXEPSG36W

Failure percentage of the SOX PSG lamps is much lower as non PGS lamps.

