

**MASTER SON-T PIA Plus - High Pressure Sodium lamp,clear 230V**

- Clear tubular outer bulb
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- ZrCo getter ensures high lumen maintenance and few early failures
- "Plus" concept with high efficacy translated into high light output
- Completely lead-free lamps

**Application**

- Road and residential lighting
- Decorative floodlighting, illumination
- Industrial area lighting
- Recreational sports facilities Outdoor and Indoor
- Horticultural lighting

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
<b>113969</b>	SONT70PIA/PLUS	70W/220	E27	12
<b>113980</b>	SONT100PIA/PLUS	100W/220	E40	12
<b>113991</b>	SONT150PIA/PLUS	150W/220	E40	12
<b>114002</b>	SONT250PIA/PLUS	250W/220	E40	12
<b>114013</b>	SONT400PIA/PLUS	400W/220	E40	12
<b>114024</b>	SONT600PIA/PLUS	600W/220	E40	12


**MASTER SON PIA Plus - High Pressure Sodium lamp,opalized**

- Ovoid, internally white coated outer bulb
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- ZrCo getter ensures high lumen maintenance and few early failures
- "Plus" concept with high efficacy translated into high light output
- Completely lead-free lamps

**Application**

- Road and residential lighting
- Industrial lighting both indoor and outdoor
- Recreational sports facilities Outdoor and Indoor

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
<b>114035</b>	SON70PIA/PLUS	70W/220	E27	24
<b>114046</b>	SON100PIA/PLUS	100W/220	E40	12
<b>114057</b>	SON150PIA/PLUS	150W/220	E40	12
<b>114068</b>	SON250PIA/PLUS	250W/220	E40	12
<b>114079</b>	SON400PIA/PLUS	400W/220	E40	12



**MASTER SON-T PIA Hg-Free- High Pressure Sodium lamp,clear 230V**

- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- ZrCo getter ensures high lumen maintenance and few early failures
- Completely mercury (Hg) and lead-free lamps

**Application**

- Road and residential lighting
- Decorative floodlighting, illumination
- Industrial area lighting
- Recreational sports facilities Outdoor and Indoor

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
114090	SONT100PIA	100W/221	E40	12
114101	SONT150PIA	150W/221	E40	12
114112	SONT250PIA	250W/221	E40	12
114123	SONT400PIA	400W/221	E40	12


**MASTER SON PIA Hg Free - High Pressure Sodium lamp,opalized**

- Ovoid, internally white coated outer bulb
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- ZrCo getter ensures high lumen maintenance and few early failures
- 150W-400W mercury free; 50W/70W filled with sodium-mercury amalgam
- Completely lead-free lamps

**Application**

- Road and residential lighting
- Industrial area lighting
- Recreational sports facilities Outdoor and Indoor

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
114134	SON50PIA	50W/220	E27	24
114145	SON70PIA	70W/220	E27	24
114156	SON150PIA	150W/221	E40	12
114167	SON250PIA	250W/221	E40	12
114178	SON400PIA	400W/221	E40	12


**MASTER Agro - with high lumen maintenance & increased blue radiation**

- Clear tubular outer bulb
- "Agro" concept with increased blue radiation results in more compact and sturdy plant development
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- ZrCo getter ensures high lumen maintenance and few early failures

**Application**

- Horticultural applications, plant irradiation

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
114189	SONT400AGRO	400W/220	E40	12



## MASTER GreenPower - with optimised micromol output ,230V

- Clear tubular outer bulb
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- ZrCo getter ensures high lumen maintenance and few early failures
- "Green Power" concept with optimised micromol output (growth light)
- "Plus" concept with high efficacy translated into high light output

### Application

- Horticultural applications, plant irradiation

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/package)
114200	SONT400WGREEN	400W/220	E40	12
114211	SONTPIA600WGP	600W/220	E40	12



## SON-T - High Pressure Sodium lamp with clear tubular outer bulb

- Clear tubular outer bulb
- High luminous efficacy
- Robust construction is vibration- and shock-resistant leading to a reliable life
- Dimming possible with dedicated gear

### Application

- Road and residential lighting
- Decorative floodlighting
- Commercial and industrial applications
- Recreational sports facilities Outdoor and Indoor

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/package)
114222	SONT70W	70W/220	E27	12
114233	SONT100W	100W/220	E40	12
114244	SONT150W	150W/220	E40	12
114255	SONT250W	250W/220	E40	12
114266	SONT400W	400W/220	E40	12
114277	SONT1000W	1000W/220	E40	4



## SON - High Pressure Sodium lamp with opalized ovoid outer bulb

- Ovoid, internally white coated outer bulb
- High luminous efficacy
- Robust construction is vibration- and shock-resistant leading to a reliable life
- Dimming possible with dedicated gear

### Application

- Road and residential lighting
- Decorative floodlighting
- Commercial and industrial applications

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/package)
114288	SON70WE	70W/220	E27	24
114299	SON70W	70W/220	E27	24
114310	SON100W	100W/220	E40	12
114321	SON150W	150W/220	E40	12
114332	SON250W	250W/220	E40	12
114343	SON400W	400W/220	E40	12
114354	SON1000W	1000W/220	E40	6



## SON-T Comfort- with comfortable colour impression

- Clear tubular outer bulb
- Warm white colour temperature and acceptable colour rendering to create a pleasant ambience
- Robust construction is vibration- and shock-resistant leading to a reliable life

### Application

- City centres and residential areas
- Decorative floodlighting
- Commercial and industrial applications
- Recreational sports facilities Outdoor and Indoor

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
<b>114365</b>	SONT150COMF	150W/621	E40	12
<b>114376</b>	SONT250COMF	250W/621	E40	12
<b>114387</b>	SONT400COMF	400W/621	E40	12



## SON Comfort- with comfortable colour impression

- Ovoid, internally white coated outer bulb
- Warm white colour temperature and acceptable colour rendering to create a pleasant ambience
- Robust construction is vibration- and shock-resistant leading to a reliable life

### Application

- City centres and residential areas
- Commercial and industrial applications

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
<b>114398</b>	SON150COMF	150W/621	E40	12
<b>114409</b>	SON250COMF	250W/621	E40	12
<b>114420</b>	SON400COMF	400W/621	E40	12



## SON H- retrofit for High Pressure Mercury lamps

- Direct replacement for mercury lamps as they operate on the same control gear
- High luminous efficacy
- Robust construction is vibration- and shock-resistant leading to a reliable life

### Application

- Road and residential lighting
- Commercial and industrial applications

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
<b>114431</b>	SON-H68W	68W/220	E27	24
<b>114442</b>	SON-H110W	110W/220	E27	24
<b>114453</b>	SON-H220W	220W/220	E40	12
<b>114464</b>	SON-H350W	350W/220	E40	12



## MASTER SDW-TG Mini

- Unique warm color quality
- Lamp design is well-suited to be used in luminaires for MASTERColour CDM-T power-spots
- UV-block glass

### Application

- Shop lighting (creates cosy atmosphere e.g. in furniture shops), excellent display of fresh goods (at butchers, bakeries, flower-shops)

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
<b>114475</b>	SDW-TG50W	50W/825	GX12-1	12
<b>114486</b>	SDW-TG100W	100W/825	GX12-1	12



## MASTER SDW-T

- Unique warm color quality
- Lamp design is well-suited to be used in luminaires for power-spots (high intensity) and high-bay general lighting

### Application

- Shop lighting (create cosy atmosphere e.g. in furniture shops), excellent display of fresh goods (at butchers, bakeries, flower-shops) and decorative outdoor lighting (gas-lantern imitation)

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
<b>114497</b>	SDW-T35W	35W/825	PG12-1	12
<b>114508</b>	SDW-T50W	50W/825	PG12-1	12
<b>114519</b>	SDW-T100W	100W/825	PG12-1	12



## ML Mixed Light

- High-pressure mercury tube in series with a tungsten filament
- Runs on mains voltage without additional gear
- Combines a continuous spectrum from the incandescent source and a line spectrum from the high-pressure mercury source

### Application

- Public outdoor lighting, car parks, workshops, garages and shops

Part Number	Type	Watt	Base	Package (pcs/pack)
<b>114530</b>	MLL100WE27	100W	E27	24
<b>114541</b>	MLL160WE27	160W	E27	24
<b>114552</b>	MLL250WE27	250W	E27	12
<b>114563</b>	MLL250WE40	250W	E40	12
<b>114574</b>	MLL500WE40	500W	E40	6



## HPL 4 - High pressure mercury lamp with high service lifetime

- Equipped with 1 or 2 auxiliary electrodes to ensure quick and reliable ignition
- Available in warm white and neutral white versions
- Higher efficacy and better colour rendering than standard HPL
- Extended service lifetime and virtually no early failures

### Application

- Public Road Lighting

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
114585	HPL4/80WE/634	80W/634	E27	24
114596	HPL4/80WE/642	80W/642	E27	24
114607	HPL4/125WE/634	125W/634	E27	24
114618	HPL4/125WE/642	125W/642	E27	24



## HPL Comfort - with improved colour properties

- Equipped with 1 or 2 auxiliary electrodes to ensure quick and reliable ignition
- Special internal coating, providing warm white light with increased colour rendering
- Higher efficacy than standard HPL

### Application

- Public roads and residential areas, factories, transport sector and industrial area lighting

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
114629	HPL80ECOMF	80W/534	E27	24
114640	HPL125ECOMF	125W/534	E27	24
114651	HPL250ECOMF	250W/534	E40	12
114662	HPL400ECOMF	400W/534	E40	6



## HPL-N - Standard High Pressure Mercury lamp

- Equipped with 1 or 2 auxiliary electrodes to ensure quick and reliable ignition
- Single-ended gas-filled glass bulb (HG-SG) with a quartz mercury vapour discharge tube
- Internally coated ovoid outer bulb, providing a cool, bluish white light with reasonable colour qualities

### Application

- All outdoor applications, factories, transport sector and industrial area lighting

Part Number	Type	Watt/ Colour Code	Base	Package (pcs/pack)
114673	HPLN50WE27	50W/542	E27	24
114684	HPLN80WE27	80W/542	E27	24
114695	HPLN125WE27	125W/542	E27	24
114706	HPLN250WE40	250W/542	E40	12
114717	HPLN400WE40	400W/542	E40	6
114728	HPLN700WE40	700W/542	E40	6
114739	HPLN1000WE40	1000W/542	E40	6

