



# The most reliable solution in road lighting

## MASTER SON-T PIA Plus

High Pressure Sodium lamp with clear tubular outer bulb, high output and long reliable lifetime

### Benefits

- Initial investment saving options with "Plus" concept
- High lumen output, maintained over life
- Minimal maintenance cost

### Features

- Clear tubular outer bulb
- Ceramic discharge tube with Unique Philips Integrated Antenna (PIA) concept enabling long and reliable lifetime
- "Plus" concept with high efficacy translates into high light output and improved lumen maintenance
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- Dimmable

### Application

- Road and residential lighting
- Decorative floodlighting, illumination
- Industrial area lighting
- Recreational sports facilities indoor and outdoor

## MASTER SON-T PIA Plus

### Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

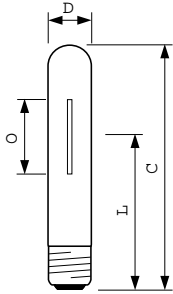
### Versions



SON-T PIA Plus, E40

# MASTER SON-T PIA Plus

## Dimensional drawing



Product	D (max)	O	L	C (max)
MASTER SON-T PIA Plus 250W E E40 1SL/12	48 mm	64 mm	158 mm	257 mm
MASTER SON-T PIA Plus 250W E E40 1SL/12	48 mm	64 mm	158 mm	257 mm
MASTER SON-T PIA Plus 250W E40 1SL/12	48 mm	64 mm	158 mm	257 mm
SON-T PIA PLUS 250W E E40 1SL/12	48 mm	64 mm	158 mm	257 mm
MASTER SON-T PIA Plus 250W E E40 1SL/12	48 mm	64 mm	158 mm	257 mm
MASTER SON-T PIA Plus 400W E E40 1SL/12	48 mm	83 mm	175 mm	279 mm
MASTER SON-T PIA Plus 400W E E40 1SL/12	48 mm	83 mm	175 mm	279 mm
MASTER SON-T PIA Plus 400W E40 1SL/12	48 mm	83 mm	175 mm	279 mm
MASTER SON-T PIA Plus 400W E E40 1SL/12	48 mm	83 mm	175 mm	279 mm
MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	48 mm	61 mm	132 mm	210 mm
MASTER SON-T PIA Plus 100W/220 E40 1SL/12	48 mm	47 mm	132 mm	210 mm
MASTER SON-T PIA Plus 50W/220 E27 1SL/12	36 mm	35 mm	104 mm	156 mm
MASTER SON-T PIA Plus 70W/220 E27 1SL/12	36 mm	42 mm	104 mm	156 mm
MASTER SON-T PIA Plus 70W E E27	36 mm	42 mm	104 mm	156 mm
MASTER SON-T PIA Plus 600W/220 E40 1SL/12	47 mm	126 mm	174.2 mm	279 mm
MSTSON-TPIA Plus 70W E27 1CT/12	35.75 mm	42 mm	102 mm	156 mm
MASTER SON-T PIA Plus 100W E E40 1SL/12	47 mm	47 mm	132 mm	209 mm
MASTER SON-T PIA Plus 100W E40 1SL/12	47 mm	47 mm	132 mm	209 mm
MASTER SON-T PIA Plus 150W E E40 1SL/12	47 mm	61 mm	132 mm	209 mm
MASTER SON-T PIA Plus 150W E E40 1SL/12	47 mm	61 mm	132 mm	209 mm
MASTER SON-T PIA Plus 150W E40 1SL/12	47 mm	61 mm	132 mm	209 mm

General Information	
Operating Position	UNIVERSAL
System Description	External Ignitor
Light Technical	
Color Code	220
Correlated Color Temperature (Nom)	2000 K
Color Rendering Index (Max)	25
Mechanical and Housing	
Bulb Finish	Clear

## Approval and Application

## MASTER SON-T PIA Plus

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	286 kWh	A+	15.1 mg
928144709292	MASTER SON-T PIA Plus 250W E E40	286 kWh	A+	15.1 mg
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	286 kWh	A+	15.1 mg
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	286 kWh	A+	15.1 mg
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	286 kWh	A+	15.1 mg
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	449 kWh	A++	20 mg
928144809292	MASTER SON-T PIA Plus 400W E E40	449 kWh	A++	20 mg
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	449 kWh	A++	20 mg
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	449 kWh	A++	20 mg
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	171 kWh	A+	15 mg
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	110 kWh	A+	16.3 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	663 kWh	A++	24 mg
928483300094	MASTER SON-T PIA Plus 100W E E40	110 kWh	A+	14.3 mg
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	110 kWh	A+	14.3 mg
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	169 kWh	A+	13.9 mg
928483400094	MASTER SON-T PIA Plus 150W E E40	169 kWh	A+	13.9 mg
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	169 kWh	A+	13.9 mg
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	58 kWh	A	9.8 mg
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	80 kWh	A+	12 mg
928152700091	MASTER SON-T PIA Plus 70W E E27	80 kWh	A+	12 mg
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	80 kWh	A+	12.2 mg

### Controls and Dimming

Order Code	Full Product Name	Dimmable
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	Yes
928144709292	MASTER SON-T PIA Plus 250W E E40	Yes
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	Yes
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	Yes
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	Yes
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	Yes
928144809292	MASTER SON-T PIA Plus 400W E E40	Yes
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	Yes
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	Yes
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	Yes
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	Yes

Order Code	Full Product Name	Dimmable
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	No
928483300094	MASTER SON-T PIA Plus 100W E E40	No
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	No
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	No
928483400094	MASTER SON-T PIA Plus 150W E E40	No
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	No
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	Yes
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	Yes
928152700091	MASTER SON-T PIA Plus 70W E E27	Yes
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	No

### Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM)			Power (Rated)		Re-Ignition Time	
		(Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	(Nom)	(Min) (Max)	
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	0.287 A	115 V	85 V	105 V	260.0 W	120 s	
928144709292	MASTER SON-T PIA Plus 250W E E40	0.287 A	115 V	85 V	105 V	260.0 W	120 s	
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	0.287 A	115 V	85 V	105 V	260.0 W	120 s	
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	0.287 A	115 V	85 V	105 V	260.0 W	120 s	

## MASTER SON-T PIA Plus

Order Code	Full Product Name	Lamp Current (EM)				Power (Rated)		Re-Ignition Time	
		(Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	(Nom)	(Min)	(Max)	
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	0.287 A	115 V	85 V	105 V	260.0 W	120 s		
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	0.441 A	115 V	85 V	105 V	408.0 W	120 s		
928144809292	MASTER SON-T PIA Plus 400W E E40	0.441 A	115 V	85 V	105 V	408.0 W	120 s		
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	0.441 A	115 V	85 V	105 V	408.0 W	120 s		
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	0.441 A	115 V	85 V	105 V	408.0 W	120 s		
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	0.175 A	115 V	85 V	104 V	155.0 W	180 s		
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	0.119 A	115 V	85 V	100 V	100 W	120 s		
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	5.8 A	125 V	95 V	110 V	603 W	60 s		
928483300094	MASTER SON-T PIA Plus 100W E E40	1.2 A	115 V	85 V	100 V	100.4 W	120 s		
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	1.2 A	115 V	85 V	100 V	100.4 W	120 s		
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	1.8 A	115 V	85 V	100 V	154.0 W	180 s		
928483400094	MASTER SON-T PIA Plus 150W E E40	1.8 A	115 V	85 V	100 V	154.0 W	180 s		
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	1.8 A	115 V	85 V	100 V	154.0 W	180 s		
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	0.74 A	100 V	70 V	89 V	53 W	30 s		
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	0.96 A	105 V	75 V	92 V	73 W	30 s		
928152700091	MASTER SON-T PIA Plus 70W E E27	0.96 A	105 V	75 V	92 V	73 W	30 s		
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	0.975 A	103 V	73 V	93 V	73.0 W	30 s		

### General Information (1/2)

Order Code	Full Product Name	Cap-Base	Life To 10%	Life To 20%	Life To 50%	Life To 5%	LSF 12000 h	LSF 16000 h
			Failures (Nom)	Failures (Nom)	Failures (Nom)	Failures (Nom)	Rated	Rated
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928144709292	MASTER SON-T PIA Plus 250W E E40	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928144809292	MASTER SON-T PIA Plus 400W E E40	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	E40	24000 h	28000 h	36000 h	20500 h	99 %	98 %
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	E40	21000 h	26000 h	36000 h	17000 h	98 %	96 %
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	E40	15000 h	20000 h	30000 h	12000 h	-	-
928483300094	MASTER SON-T PIA Plus 100W E E40	E40	-	23500 h	28000 h	17000 h	-	-
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	E40	-	23500 h	28000 h	17000 h	-	-
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	E40	24000 h	28000 h	32000 h	20500 h	-	-
928483400094	MASTER SON-T PIA Plus 150W E E40	E40	24000 h	28000 h	32000 h	20500 h	-	-
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	E40	24000 h	28000 h	32000 h	20500 h	-	-
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	E27	17000 h	22000 h	30000 h	14000 h	96 %	92 %
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	E27	20000 h	23500 h	30000 h	17000 h	99 %	96 %
928152700091	MASTER SON-T PIA Plus 70W E E27	E27	20000 h	23500 h	30000 h	17000 h	99 %	96 %
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	E27	20000 h	23500 h	28000 h	17000 h	-	-

### General Information (2/2)

## MASTER SON-T PIA Plus

Order Code	Full Product Name	LSF	LSF	LSF	LSF	LSF
		2000 h	20000 h	4000 h	6000 h	8000 h
Order Code	Full Product Name	Rated	Rated	Rated	Rated	Rated
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	100 %	95 %	99 %	99 %	99 %
928144709292	MASTER SON-T PIA Plus 250W E E40	100 %	95 %	99 %	99 %	99 %
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	100 %	95 %	99 %	99 %	99 %
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	100 %	95 %	99 %	99 %	99 %
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	100 %	95 %	99 %	99 %	99 %
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	100 %	95 %	99 %	99 %	99 %
928144809292	MASTER SON-T PIA Plus 400W E E40	100 %	95 %	99 %	99 %	99 %
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	100 %	95 %	99 %	99 %	99 %
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	100 %	95 %	99 %	99 %	99 %
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	100 %	95 %	99 %	99 %	99 %
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	100 %	91 %	99 %	99 %	99 %

Order Code	Full Product Name	LSF	LSF	LSF	LSF	LSF
		2000 h	20000 h	4000 h	6000 h	8000 h
Order Code	Full Product Name	Rated	Rated	Rated	Rated	Rated
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	-	-	-	-	-
928483300094	MASTER SON-T PIA Plus 100W E E40	-	-	-	-	-
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	-	-	-	-	-
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	-	-	-	-	-
928483400094	MASTER SON-T PIA Plus 150W E E40	-	-	-	-	-
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	-	-	-	-	-
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	99 %	83 %	99 %	99 %	99 %
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	99 %	90 %	99 %	99 %	99 %
928152700091	MASTER SON-T PIA Plus 70W E E27	99 %	90 %	99 %	99 %	99 %
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	-	-	-	-	-

### Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	450 °C
928144709292	MASTER SON-T PIA Plus 250W E E40	450 °C
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	450 °C
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	450 °C
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	450 °C
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	450 °C
928144809292	MASTER SON-T PIA Plus 400W E E40	450 °C
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	450 °C
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	450 °C
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	450 °C
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	450 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	450 °C
928483300094	MASTER SON-T PIA Plus 100W E E40	450 °C
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	450 °C
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	450 °C
928483400094	MASTER SON-T PIA Plus 150W E E40	450 °C
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	450 °C
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	350 °C
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	350 °C
928152700091	MASTER SON-T PIA Plus 70W E E27	350 °C
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	350 °C

### Light Technical (1/3)

## MASTER SON-T PIA Plus

Order Code	Full Product Name	Chromaticity	Chromaticity	Color	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated	LLMF 20000 h Rated
		Coordinate X (Nom)	Coordinate Y (Nom)	Rendering Index (Nom)				
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	530	420	-	96 %	95 %	99 %	94 %
928144709292	MASTER SON-T PIA Plus 250W E E40	530	420	-	96 %	95 %	99 %	94 %
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	530	420	-	96 %	95 %	99 %	94 %
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	530	420	-	96 %	95 %	99 %	94 %
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	530	420	-	96 %	95 %	99 %	94 %
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	525	425	-	92 %	90 %	99 %	88 %
928144809292	MASTER SON-T PIA Plus 400W E E40	525	425	-	92 %	90 %	99 %	88 %
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	525	425	-	92 %	90 %	99 %	88 %
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	525	425	-	92 %	90 %	99 %	88 %
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	535	420	-	96 %	95 %	99 %	94 %
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	535	420	-	92 %	90 %	98 %	89 %
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	526	424	-	-	-	-	-
928483300094	MASTER SON-T PIA Plus 100W E E40	525	420	-	-	-	-	-
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	525	420	-	-	-	-	-
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	535	420	-	-	-	-	-
928483400094	MASTER SON-T PIA Plus 150W E E40	535	420	-	-	-	-	-
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	535	420	-	-	-	-	-
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	540	420	-	87 %	86 %	92 %	86 %
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	540	420	-	83 %	82 %	90 %	81 %
928152700091	MASTER SON-T PIA Plus 70W E E27	540	420	-	83 %	82 %	90 %	81 %
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	540	420	-	-	-	-	-

### Light Technical (2/3)

Order Code	Full Product Name	LLMF	LLMF	LLMF	Lumen	Lumen	Lumen	Lumen	Lumen	Luminous
		4000 h Rated	6000 h Rated	8000 h Rated	Maintenance 2000 h (Min)	Maintenance 2000 h (Nom)	Maintenance 20000 h	Maintenance 5000 h (Min)	Maintenance 5000 h (Nom)	Efficacy (rated) (Nom)
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	98 %	97 %	96 %	-	-	-	-	-	126.15 lm/W
928144709292	MASTER SON-T PIA Plus 250W E E40	98 %	97 %	96 %	-	-	-	-	-	126.15 lm/W
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	98 %	97 %	96 %	-	-	-	-	-	126.15 lm/W
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	98 %	97 %	96 %	-	-	-	-	-	126.15 lm/W
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	98 %	97 %	96 %	-	-	-	-	-	126.15 lm/W
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	97 %	96 %	94 %	95 %	99 %	88 %	90.5 %	96.5 %	138.97 lm/W
928144809292	MASTER SON-T PIA Plus 400W E E40	97 %	96 %	94 %	95 %	99 %	88 %	90.5 %	96.5 %	138.97 lm/W
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	97 %	96 %	94 %	95 %	99 %	88 %	90.5 %	96.5 %	138.97 lm/W
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	97 %	96 %	94 %	95 %	99 %	88 %	90.5 %	96.5 %	138.97 lm/W
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	98 %	97 %	96 %	-	-	-	-	-	115.16 lm/W

## MASTER SON-T PIA Plus

Order Code	Full Product Name	LLMF 4000 h Rated	LLMF 6000 h Rated	LLMF 8000 h Rated	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 20000 h	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	96 %	95 %	94 %	-	-	-	-	-	106 lm/W
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	-	-	-	85 %	96 %	77 %	80 %	90 %	143.5 lm/W
928483300094	MASTER SON-T PIA Plus 100W E E40	-	-	-	94 %	97 %	-	90 %	95 %	107 lm/W
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	-	-	-	94 %	97 %	-	90 %	95 %	107 lm/W
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	-	-	-	94 %	97 %	-	88 %	95 %	117 lm/W
928483400094	MASTER SON-T PIA Plus 150W E E40	-	-	-	94 %	97 %	-	88 %	95 %	117 lm/W
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	-	-	-	94 %	97 %	-	88 %	95 %	117 lm/W
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	90 %	89 %	88 %	-	-	-	-	-	83.02 lm/W
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	87 %	86 %	85 %	-	90 %	81 %	-	86.5 %	90.41 lm/W
928152700091	MASTER SON-T PIA Plus 70W E E27	87 %	86 %	85 %	-	90 %	81 %	-	86.5 %	90.41 lm/W
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	-	-	-	90 %	95 %	-	85 %	92 %	91 lm/W

### Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Ratio Scotopic/ Photopic Lumens
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	-	32800 lm	0.60
928144709292	MASTER SON-T PIA Plus 250W E E40	-	32800 lm	0.60
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	-	32800 lm	0.60
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	-	32800 lm	0.60
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	-	32800 lm	0.60
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	-	56700 lm	0.60
928144809292	MASTER SON-T PIA Plus 400W E E40	-	56700 lm	0.60
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	-	56700 lm	0.60
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	-	56700 lm	0.60
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	-	17800 lm	0.55
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	-	10600 lm	0.55

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Ratio Scotopic/ Photopic Lumens
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	-	86500 lm	0.60
928483300094	MASTER SON-T PIA Plus 100W E E40	8700 lm	10700 lm	-
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	8700 lm	10700 lm	-
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	14500 lm	18000 lm	-
928483400094	MASTER SON-T PIA Plus 150W E E40	14500 lm	18000 lm	-
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	14500 lm	18000 lm	-
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	-	4400 lm	0.50
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	-	6600 lm	0.50
928152700091	MASTER SON-T PIA Plus 70W E E27	-	6600 lm	0.50
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	5940 lm	6600 lm	-



# MASTER SON-T PIA Plus

## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	T46
928144709292	MASTER SON-T PIA Plus 250W E E40	T46
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	T46
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	T46
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	T46
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	T46
928144809292	MASTER SON-T PIA Plus 400W E E40	T46
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	T46
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	T46
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	T46
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	T46
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	T46
928483300094	MASTER SON-T PIA Plus 100W E E40	T46
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	T46

Order Code	Full Product Name	Bulb Shape
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	T46
928483400094	MASTER SON-T PIA Plus 150W E E40	T46
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	T46
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	T35
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	T35
928152700091	MASTER SON-T PIA Plus 70W E E27	T35
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	T35

