



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.

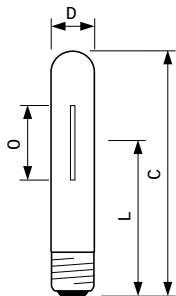
Versions



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
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	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	257 kWh	15.1 mg	15.1 mg
928144709292	MASTER SON-T PIA Plus 250W E E40	286 kWh	-	15.1 mg
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	257 kWh	15.1 mg	15.1 mg
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	286 kWh	-	15.1 mg
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	286 kWh	-	15.1 mg
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	408 kWh	19.6 mg	20 mg
928144809292	MASTER SON-T PIA Plus 400W E E40	449 kWh	-	20 mg
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	408 kWh	19.6 mg	20 mg
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	449 kWh	-	20 mg
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	155 kWh	15.1 mg	15 mg
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	101 kWh	16.3 mg	16.3 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	663 kWh	-	24 mg
928483300094	MASTER SON-T PIA Plus 100W E E40	110 kWh	-	14.3 mg
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	101 kWh	16.3 mg	14.3 mg
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	169 kWh	-	13.9 mg
928483400094	MASTER SON-T PIA Plus 150W E E40	169 kWh	-	13.9 mg
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	155 kWh	15.1 mg	13.9 mg
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	55 kWh	9.8 mg	9.8 mg
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	73 kWh	12.2 mg	12.2 mg
928152700091	MASTER SON-T PIA Plus 70W E E27	80 kWh	-	12.2 mg
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	73 kWh	12.2 mg	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	Yes
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	Yes
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	Yes

Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)	Re-Ignition Time (Min) (Max)
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	0.290 A	115 V	85 V	102 V	257.0 W	120 s
928144709292	MASTER SON-T PIA Plus 250W E E40	0.290 A	115 V	85 V	102 V	257.0 W	120 s
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	0.290 A	115 V	85 V	102 V	257.0 W	120 s
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	0.290 A	115 V	85 V	102 V	257.0 W	120 s
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	0.290 A	115 V	85 V	102 V	257.0 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

MASTER SON-T PIA Plus

Order Code	Full Product Name	Lamp Current (EM)				Power (Rated) (Nom)	Re-Ignition Time (Min) (Max)
		(Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)		
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	101.0 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	101.0 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	155.0 W	180 s
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	0.74 A	100 V	70 V	91 V	54.5 W	30 s
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	0.96 A	105 V	75 V	92 V	73.0 W	30 s
928152700091	MASTER SON-T PIA Plus 70W E E27	0.96 A	105 V	75 V	92 V	73.0 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	25000 h	29000 h	17000 h	99 %	97 %
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 Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	0.535	0.420	2000 K	-	96 %	95 %	99 %
928144709292	MASTER SON-T PIA Plus 250W E E40	0.535	0.420	2000 K	-	96 %	95 %	99 %
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	0.535	0.420	2000 K	-	96 %	95 %	99 %
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	0.535	0.420	2000 K	-	96 %	95 %	99 %
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	0.535	0.420	2000 K	-	96 %	95 %	99 %
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	0.535	0.42	2000 K	-	92 %	90 %	99 %
928144809292	MASTER SON-T PIA Plus 400W E E40	0.535	0.420	2000 K	-	92 %	90 %	99 %
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	0.535	0.42	2000 K	-	92 %	90 %	99 %
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	0.535	0.420	2000 K	-	92 %	90 %	99 %
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	0.535	0.42	2000 K	-	96 %	95 %	99 %
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	0.535	0.42	2000 K	-	92 %	90 %	98 %
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	0.526	0.424	2000 K	-	-	-	-
928483300094	MASTER SON-T PIA Plus 100W E E40	0.535	0.420	2000 K	-	-	-	-
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	0.535	0.42	2000 K	-	-	-	-
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	0.535	0.420	2000 K	-	-	-	-
928483400094	MASTER SON-T PIA Plus 150W E E40	0.535	0.420	2000 K	-	-	-	-
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	0.535	0.42	2000 K	-	-	-	-
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	0.54	0.42	1900 K	-	87 %	86 %	92 %
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	0.54	0.42	1900 K	-	78 %	77 %	86 %
928152700091	MASTER SON-T PIA Plus 70W E E27	0.540	0.420	1900 K	-	78 %	77 %	86 %
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	0.54	0.42	1900 K	-	-	-	-

Light Technical (2/3)

Order Code	Full Product Name	LLMF 20000 h Rated	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)
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	94 %	98 %	97 %	96 %	-	-	-	-	-
928144709292	MASTER SON-T PIA Plus 250W E E40	94 %	98 %	97 %	96 %	-	-	-	-	-
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	94 %	98 %	97 %	96 %	-	-	-	-	-
928144709295	SON-T PIA PLUS 250W E E40 1SL/12	94 %	98 %	97 %	96 %	-	-	-	-	-
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	94 %	98 %	97 %	96 %	-	-	-	-	-
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	88 %	97 %	96 %	94 %	95 %	99 %	88 %	90.5 %	96.5 %
928144809292	MASTER SON-T PIA Plus 400W E E40	88 %	97 %	96 %	94 %	95 %	99 %	88 %	90.5 %	96.5 %

MASTER SON-T PIA Plus

Order Code	Full Product Name	LLMF 20000 h Rated	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)
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	88 %	97 %	96 %	94 %	95 %	99 %	88 %	90.5 %	96.5 %
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	88 %	97 %	96 %	94 %	95 %	99 %	88 %	90.5 %	96.5 %
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	94 %	98 %	97 %	96 %	-	-	-	-	-
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	89 %	96 %	95 %	94 %	-	-	-	-	-
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	-	-	-	-	85 %	96 %	77 %	80 %	90 %
928483300094	MASTER SON-T PIA Plus 100W E E40	-	-	-	-	94 %	97 %	-	90 %	95 %
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	-	-	-	-	94 %	97 %	-	90 %	95 %
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	-	-	-	-	94 %	97 %	-	88 %	95 %
928483400094	MASTER SON-T PIA Plus 150W E E40	-	-	-	-	94 %	97 %	-	88 %	95 %
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	-	-	-	-	94 %	97 %	-	88 %	95 %
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	86 %	90 %	89 %	88 %	-	-	-	-	-
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	76 %	83 %	81 %	80 %	-	90 %	81 %	-	86.5 %
928152700091	MASTER SON-T PIA Plus 70W E E27	76 %	83 %	81 %	80 %	-	90 %	81 %	-	86.5 %
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	-	-	-	-	90 %	95 %	-	85 %	92 %

Light Technical (3/3)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Ratio Scotopic/ Photopic Lumens
928144709230	MASTER SON-T PIA Plus 250W E E40 1SL/12	125 lm/W	32100 lm	-	32100 lm	0.60
928144709292	MASTER SON-T PIA Plus 250W E E40	125 lm/W	32100 lm	-	32100 lm	0.60
928144709293	MASTER SON-T PIA Plus 250W E40 1SL/12	125 lm/W	32100 lm	-	32100 lm	0.60
928144709295	SON-T PIA PLUS 250W	125 lm/W	32100 lm	-	32100 lm	0.60

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Ratio Scotopic/ Photopic Lumens
	E E40 1SL/12					
928144709298	MASTER SON-T PIA Plus 250W E E40 1SL/12	125 lm/W	32100 lm	-	32100 lm	0.60
928144809227	MASTER SON-T PIA Plus 400W E E40 1SL/12	137 lm/W	55900 lm	-	55900 lm	0.60
928144809292	MASTER SON-T PIA	137 lm/W	-	-	55900 lm	0.60

MASTER SON-T PIA Plus

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Ratio Scotopic/Photopic Lumens
	Plus 400W E E40					
928144809293	MASTER SON-T PIA Plus 400W E40 1SL/12	137 lm/W	55900 lm	-	55900 lm	0.60
928144809298	MASTER SON-T PIA Plus 400W E E40 1SL/12	137 lm/W	-	-	55900 lm	0.60
928150909230	MASTER SON-T PIA Plus 150W/220 E40 - 1SL/12	115.16 lm/W	17800 lm	-	17800 lm	0.55
928151709230	MASTER SON-T PIA Plus 100W/220 E40 1SL/12	105 lm/W	10600 lm	-	10600 lm	0.55
928158409227	MASTER SON-T PIA Plus 600W/220 E40 1SL/12	143.5 lm/W	-	-	86500 lm	0.60
928483300094	MASTER SON-T PIA Plus 100W E E40	107 lm/W	-	8700 lm	10700 lm	-
928483300095	MASTER SON-T PIA	107 lm/W	10600 lm	8700 lm	10700 lm	-

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Ratio Scotopic/Photopic Lumens
	Plus 100W E40 1SL/12					
928483400093	MASTER SON-T PIA Plus 150W E E40 1SL/12	117 lm/W	-	14500 lm	18000 lm	-
928483400094	MASTER SON-T PIA Plus 150W E E40	117 lm/W	-	14500 lm	18000 lm	-
928483400095	MASTER SON-T PIA Plus 150W E40 1SL/12	117 lm/W	17800 lm	14500 lm	18000 lm	-
928151900028	MASTER SON-T PIA Plus 50W/220 E27 1SL/12	83 lm/W	4500 lm	-	4500 lm	0.50
928152700028	MASTER SON-T PIA Plus 70W/220 E27 1SL/12	90.41 lm/W	6600 lm	-	6600 lm	0.50
928152700091	MASTER SON-T PIA Plus 70W E E27	90.41 lm/W	-	-	6600 lm	0.50
928483200094	MSTSON-TPIA Plus 70W E27 1CT/12	91 lm/W	6600 lm	5940 lm	6600 lm	-

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

Order Code	Full Product Name	Bulb Shape
928483300094	MASTER SON-T PIA Plus 100W E E40	T46
928483300095	MASTER SON-T PIA Plus 100W E40 1SL/12	T46
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

MASTER SON-T PIA Plus

