



The highly efficient and most reliable solution in road lighting

MASTER SON APIA Plus Xtra

High Pressure Sodium lamp with opalized outer bulb, high output and longest reliable lifetime

Benefits

Features

Application

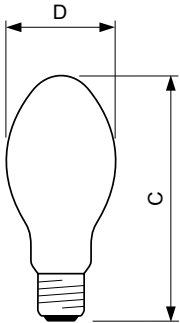
Warnings and Safety

Versions



MASTER SON APIA Plus Xtra

Dimensional drawing



Product

MASTER SON APIA Plus Xtra 50W E27 1SL/24
MASTER SON APIA Plus Xtra 100W E40 1SL/12
MASTER SON APIA Plus Xtra 70W E27 1SL/24

Controls and Dimming

Dimmable	yes
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General Information

LSF 12000 h Rated	99 %
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
Operating Position	UNIVERSAL
System Description	External Ignitor (E)

Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
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Light Technical

Colour Code	-
Colour Rendering Index (Max)	25

Mechanical and Housing

Bulb Finish	Coated glass
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Approval and Application

Order Code	Full Product Name	Energy Consumption	Energy Efficiency	Mercury (Hg)
		kWh/1000 h	Label (EEL)	Content (Nom)
92813600	MASTER SON APIA Plus Xtra 50W E27 1SL/24	55 kWh	A	9.8 mg
92817400	MASTER SON APIA Plus Xtra 70W E27 1SL/24	83 kWh	A+	12.0 mg
92743600	MASTER SON APIA Plus Xtra 100W E40 1SL/12	110 kWh	A+	16 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
92813600	MASTER SON APIA Plus Xtra 50W E27 1SL/24	0.76 A	100 V	70 V	85 V
92817400	MASTER SON APIA Plus Xtra 70W E27 1SL/24	0.95 A	105 V	75 V	94 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
92743600	MASTER SON APIA Plus Xtra 100W E40 1SL/12	1.2 A	115 V	85 V	100 V

Operating and Electrical (2/2)

MASTER SON APIA Plus Xtra

Order Code	Full Product Name	Power (Rated) (Nom)	Re-ignition Time (Min) (Max)
92813600	MASTER SON APIA Plus Xtra 50W E27 1SL/24	50.0 W	180 s
92817400	MASTER SON APIA Plus Xtra 70W E27 1SL/24	75 W	180 s

Order Code	Full Product Name	Power (Rated) (Nom)	Re-ignition Time (Min) (Max)
92743600	MASTER SON APIA Plus Xtra 100W E40 1SL/12	100.0 W	120 s

General Information (1/2)

Order Code	Full Product Name	Cap- Base	Life To 10%	Life To 20%	Life To 50%
			Failures (Nom)	Failures (Nom)	Failures (Nom)
92813600	MASTER SON APIA Plus Xtra 50W E27 1SL/24	E27	25000 h	29500 h	38000 h
92817400	MASTER SON APIA Plus Xtra 70W E27 1SL/24	E27	28000 h	32000 h	40000 h

Order Code	Full Product Name	Cap- Base	Life To 10%	Life To 20%	Life To 50%
			Failures (Nom)	Failures (Nom)	Failures (Nom)
92743600	MASTER SON APIA Plus Xtra 100W E40 1SL/12	E40	28000 h	32000 h	40000 h

General Information (2/2)

Order Code	Full Product Name	Life To 5%	LSF 16000 h	LSF 20000 h
		Failures (Nom)	Rated	Rated
92813600	MASTER SON APIA Plus Xtra 50W E27 1SL/24	21000 h	98 %	96 %
92817400	MASTER SON APIA Plus Xtra 70W E27 1SL/24	24000 h	99 %	97 %

Order Code	Full Product Name	Life To 5%	LSF 16000 h	LSF 20000 h
		Failures (Nom)	Rated	Rated
92743600	MASTER SON APIA Plus Xtra 100W E40 1SL/12	24000 h	99 %	97 %

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated	
				Colour Temperature (Nom)	LLMF 12000 h Rated
92813600	MASTER SON APIA Plus Xtra 50W E27 1SL/24	540	415	1900 K	85 %
92817400	MASTER SON APIA Plus Xtra	540	415	1900 K	85 %

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated	
				Colour Temperature (Nom)	LLMF 12000 h Rated
	70W E27 1SL/24				
92743600	MASTER SON APIA Plus Xtra 100W E40 1SL/12	535	420	1950 K	92 %

Light Technical (2/2)

Order Code	Full Product Name	LLMF 16000	LLMF 2000	LLMF 20000	LLMF 4000	LLMF 6000	LLMF 8000	Luminous Efficacy	Luminous Flux	Ratio Scotopic/ Photopic Lumens
		h Rated	h Rated	h Rated	h Rated	h Rated	h Rated	(rated) (Nom)	(Rated) (Nom)	
92813600	MASTER SON APIA Plus Xtra 50W E27 1SL/24	84 %	91 %	84 %	88 %	87 %	86 %	76 lm/W	3900 lm	0.50
92817400	MASTER SON APIA Plus Xtra 70W E27 1SL/24	84 %	91 %	84 %	88 %	87 %	86 %	90 lm/W	6750 lm	0.50

MASTER SON APIA Plus Xtra

Order Code	Full Product Name	LLMF 16000	LLMF 2000	LLMF 20000	LLMF 4000	LLMF 6000	LLMF 8000	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)	Ratio Scotopic/ Photopic Lumens
		h Rated	h Rated	h Rated	h Rated	h Rated	h Rated			
92743600	MASTER SON APIA Plus Xtra 100W E40 1SL/12	90 %	98 %	89 %	96 %	95 %	94 %	100 lm/W	10000 lm	0.55

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
92813600	MASTER SON APIA Plus Xtra 50W E27 1SL/24	B70
92817400	MASTER SON APIA Plus Xtra 70W E27 1SL/24	B70
92743600	MASTER SON APIA Plus Xtra 100W E40 1SL/12	B75

