



PrimaVision Economy for CPO

CertaVision CPO90

Highly reliable electronic drivers for CPO lamps; the drivers are designed for outdoor use and consume less energy than conventional alternatives.

Product data

General Information		Lamp Power Tolerance	
Lamp Type	CPO	Lamp Power Tolerance	-3%/+3%
Number of Lamps	1 piece/unit	Input Current (Nom)	0.49 A
Suitable For Outdoor Use	Yes	Inrush Current Peak (Max)	52 A
Number of Products on MCB (16A Type B) (Nom)	5	Efficiency at full load [%]	91.3 %
Default Lamp Selected	CPO90	Wiring	
Automatic Restart	Yes	Cable Capacity Output Wires Mutual (Max)	1000 pF
Operating and Electrical		Cable Length From Device to Lamp	10 m
Input Voltage	208-240-277 V	Wire Striplength	10.0-11.0 mm
Input Frequency	50 to 60 Hz	Ballast Contact Wire Cross Section	0.50-2.50 mm ²
Minimum Mains Voltage Operation (Min)	172 V	Connector Type	WAGO series 804
Operating Frequency (Nom)	0.40 kHz	System characteristics	
Power Factor 100% Load (Nom)	0.98	Rated Ballast-Lamp Power	90 W
Ignition Voltage (Max)	5 kV	Rated Lamp Power on CPO	90 W
Ignition Switch-Off Time (Nom)	20 min	System Power on CPO	98 W
Mains Voltage Performance (AC)	188-305V	Lamp Power on CPO	90 W
Mains Voltage Safety (AC)	160-305V	Power Loss on CPO	8 W
Earth Leakage Current (Max)	0.7 mA	Power Loss on CPO While Dimming	5.5 W
Output Peak Voltage (Max)	250 V	Temperature	
Inrush Current Width	0.47 ms	T-Ambient (Max)	55 °C

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T-Ambient (Min)	-30 °C
T-Storage (Max)	55 °C
T-Storage (Min)	-30 °C
T-Case Lifetime (Nom)	80 °C
T-Case Switch Off (Min)	92 °C

Controls and Dimming

Pre-Set Integrated Controls	None
Control Input Protection	-
Regulating Level	-

Mechanical and Housing

Housing	Q
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Approval and Application

Surge Protection (Common/Differential)	EN61547 (L-L 2kV, L-G 4kV) kV
IP Classification Luminaire	34
Active Temperature Protection	Yes
EMI 9 kHz ... 300 MHz	CISPR 15 ed 7.2
EMI 30 MHz ... 1000 MHz	CISPR15 Edition 7.2
Safety Standard	IEC 607, 609, 926, 928 [No Standard for HID Lamp drivers exists. Requirements in

these standards to be used if considered relevant for the product.]

Quality Standard	ISO 9000:2000
Environmental Standard	ISO 14001
Harmonic Current Emission Standard	IEC 61000-3-2
Vibration Standard	IEC 68-2-6 Fc (10-150Hz, 2G)
Bumps Standard	IEC 68-2-29 Eb (10G/16ms)
Humidity Standard	EN 61347-2-12 clause 11
Approval Marks	F-Marking CE marking ENEC certificate VDE-EMV certificate
Hum And Noise Level	< 30 dB(A)

Product Data

Full product code	871829170493500
Order product name	CertaVision CPO90
EAN/UPC - Product	8718291704935
Order code	913700760170
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700760170
Net Weight (Piece)	0.820 kg

Dimensional drawing

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Product

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HID-PVE 90 CPO Q 208-277V

