



# DynaVision Programmable Xtreme for CPO

## HID-DV PROG Xt 60 CPO Q 208-277V

Highly reliable and flexible electronic drivers for CPO lamps; designed to save on energy costs via integrated controls and to reduce maintenance costs thanks to 80,000-hour lifetime and integrated lightning protection. The DynaVision Programmable product family is the perfect basis for any sort of lighting management solution.

### Product data

General Information			
Remarks	UK importer address: Signify Commercial UK Limited, 3, Guildford Business Park, GU2 8XG	Operating frequency (nom.)	0.40 kHz
Type version	-	Power factor 100% load (nom.)	0.97
Lamp type	CPO	Ignition voltage (max.)	5 kV
Number of lamps	1 piece/unit	Ignition switch-off time (max.)	20 min
Suitable for outdoor use	Yes	Mains voltage performance (AC)	188-305V
Number of products on MCB (16 A type B) (nom.)	11	Mains voltage safety (AC)	160-305V
Default lamp selected	CPO60	Power factor 50% load (min.)	0.94
Automatic restart	Yes	Earth leakage current (max.)	0.7 mA
Operating and Electrical		Output peak voltage (max.)	250 V
Input Voltage	208-240-277 V	Inrush current width	0.24 ms
Input frequency	50 to 60 Hz	Lamp power tolerance	-3%/+3%
Minimum mains voltage operation (min.)	172 V	Input current (nom.)	0.33 A
		Inrush current peak (max.)	28 A
		Efficiency at full load [%]	88.6 %
		Wiring	
		Cable capacity output wires mutual (nom.)	1000 pF

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Cable length from device to lamp	10 m
Wire strip length	10.0-11.0 mm
Ballast contact wire cross section	0.50-2.50 mm <sup>2</sup>
Connector type	WAGO series 804

## System characteristics

Rated ballast-lamp power	60 W
Rated lamp power on CPO	60 W
System power on CPO	67 W
Lamp power on CPO	60 W
Power loss on CPO	7 W
Power loss on CPO while dimming	5 W

## Temperature

T-ambient (max.)	55 °C
T-ambient (min.)	-30 °C
T storage (max.)	50 °C
T storage (min.)	-30 °C
T-case lifetime (nom.)	80 °C
T-case switch off (min.)	92 °C

## Controls and Dimming

Control interface	PROG
Programmable lamp settings	CPO45/CPO60/SON50/SON70/CDO50/ CDO70
Pre-set integrated controls	Dali
Programmable dimming options	ALO/CLO/Dynadimmer/Lineswitch/ AmpDi
Run-up time before dimming	5 min
Fade-down rate	0.5 %/sec
Fade-up rate	7.1 %/sec
Control input protection	Yes (Basic insulation)
Regulating level	50%-100%

## Mechanical and Housing

Housing	Q
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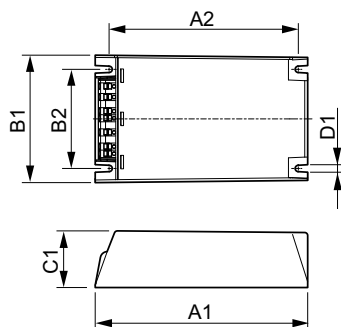
## Approval and Application

Surge protection (common/differential)	EN61547 (L-L 2kV, L-G 4kV), 10kV TIL kV
IP luminaire classification	34
Active temperature protection	Yes
EMI 9 kHz ... 300 MHz	CISPR 15 ed 7.2
EMI 30 MHz ... 1,000 MHz	-
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 CB Certificate ENEC certificate VDE-EMV certificate
Humming and noise level	< 30 dB(A)

## Product Data

Full product code	871829124149200
Order product name	HID-DV PROG Xt 60 CPO Q 208-277V
EAN/UPC – product	8718291241492
Order code	24149200
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	913700685766
SAP net weight (piece)	0.820 kg

## Dimensional drawing



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Product	D1	C1	A1	A2	B1	B2
HID-DV PROG Xt 60	4.5 mm	40.0	150.0	133.6	90.0	70.0
CPO Q 208-277V		mm	mm	mm	mm	mm

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