CertaFlux

LED

CertaFlux LED BL Panel
6060 MD3

Datasheet

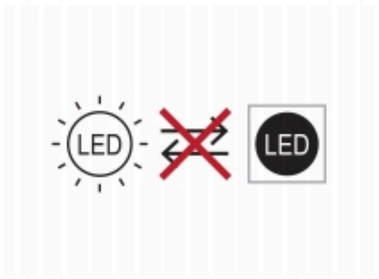
CertaFlux BL LED Panel MD3

The Certaflux BL LED Panel MD3 is an economical LED panel which is available in several sizes to meet the different ceiling criteria. It can be very easily combined with a wide choice of drivers which gives the flexibility of different flux outputs and efficiencies.

Key features and benefits

- Efficacy up to 113 lm/W on module level
- Good light uniformity
- Good color rendering (CRI >80)
- Flexible lumen output due to wide driver choice
- 3 years system warranty
- Quick install connector is integrated
- Wide range of dimensions: 60x60; 30x120

June 2024



Calculated results

Find your luminaire performance

Lumen Output Ratio (0 - 100%):

100

Output of the luminaire divided by its lamp output.

Auxiliary power use* (0 - 15W):

0

*at 90% efficiency

Luminaire lumens:	4194 lm

@Mains:

Luminaire efficacy: (at maximum driver efficiency)

Luminaire input power: (at maximum driver efficiency)

System characteristics

Number of modules:	1
System luminous flux:	4194 lm
Modules electrically in series per chain:	1
Modules electrically in parallel per chain:	1
Modules electrically in parallel in total:	1
Chains electrically in parallel at least:	1
Maximum modules per chain:	1

@Mains

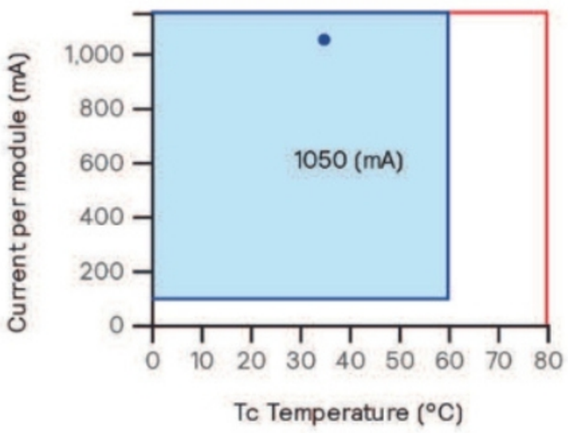
System efficacy (at maximum driver efficiency)

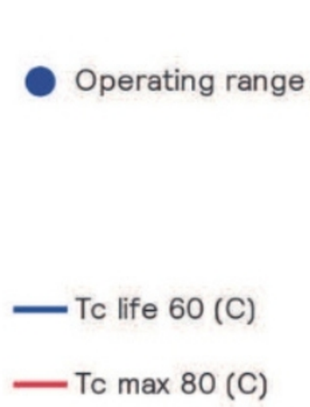
Module parameters

CertaFlux LED BL Panel 6060 865 MD3

12NC: 929003911080
EOC: 694197064549200

Luminous flux:	4194 lm	CCT:	6500
Min. luminous flux:	3712 lm	CRI:	80
Input current:	1050 mA	Tc:	35 °C
Input voltage:	37.4 V	Thermal Power:	26 W
Input power:	42.0 W	Thermal Power per LED:	0.6 W
Efficacy:	100 lm/W		
Maximum Vf:	41.1 V		





PHILIPS

CertaDrive

LED driver

Datasheet

CertaDrive Panel drivers – Low Ripple

CertaDrive 42W 1.05A 40V 230V I

9290 034 20680

Single current LED drivers for essential lighting applications.

CertaDrive LED panel drivers are designed to fulfill the market need for panel lighting with reliable performance. The new generation CertaDrive LED panel drivers offer basic specifications with specific current and voltage settings which are easy to use for high volume applications.

Benefits

- Various Vout/Iout mix for high volume applications
- Comfort for eyes and assurance of camera-friendly performance
- Easy to design-in with single output current
- Independent-version housing design for stand-alone installations

Features

- 50,000 hours lifetime @Tc-life
- SELV output for simpler approval process and easy design-in
- Fast Time to Market
- Low ripple output current (4%) Application

Application

- Panel application for office and public areas
- For luminaires of protection class II

June 2022

Driver parameters

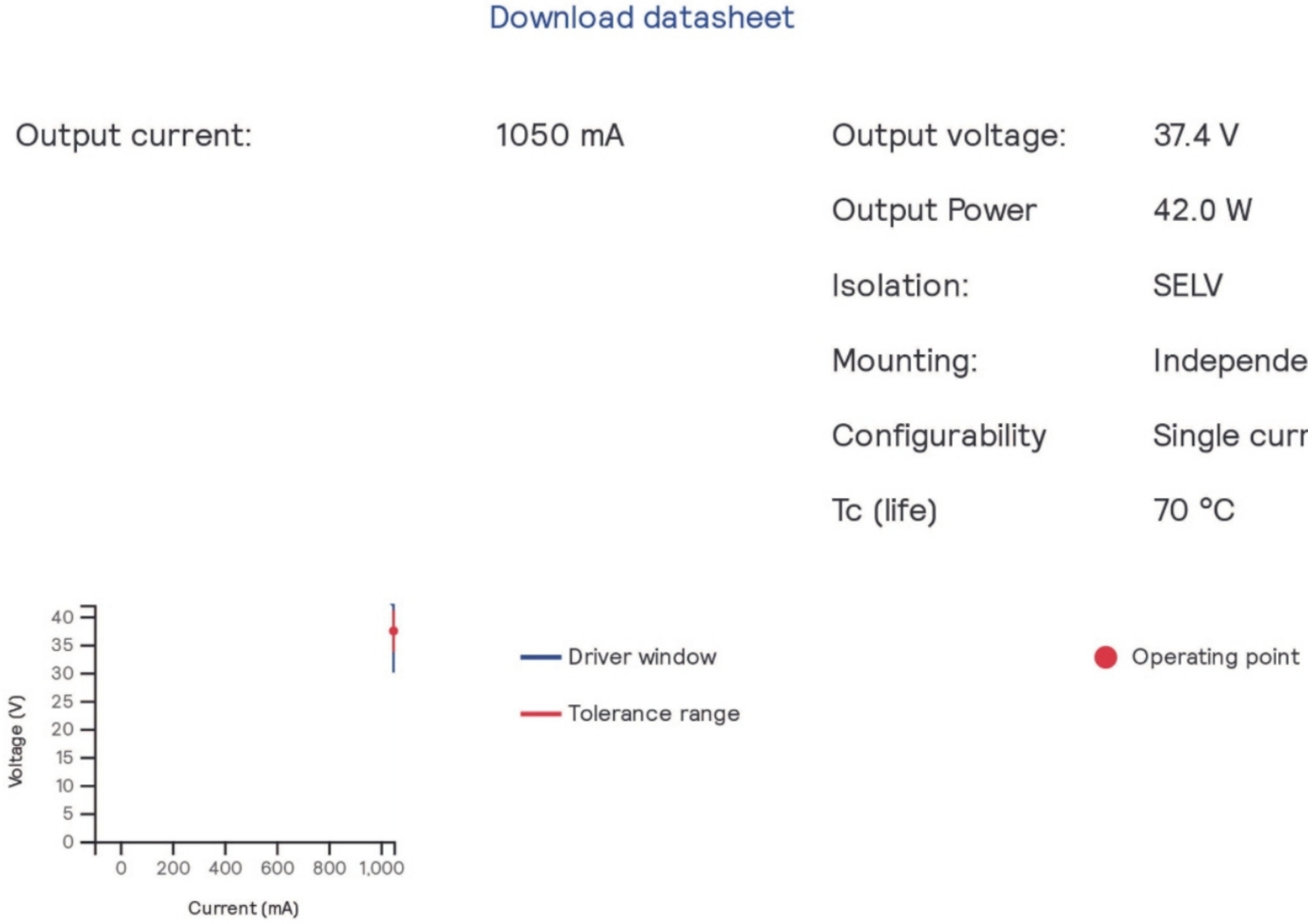
CertaDrive 42W 1.05A 40V 230V I

12NC: 929003420680

EOC: 929002819780

Download datasheet

Output current:	1050 mA	Output voltage:	37.4 V
		Output Power	42.0 W
		Isolation:	SELV
		Mounting:	Independent, Built-in
		Configurability	Single current
		Tc (life)	70 °C



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Technical downloads page

[coming soon] This mark identifies the products that are before commercial release and that are not yet available for order.
[obsolete] This mark identifies the products that were phased-out and that are not available for order

Warning on modules
Tolerance range for optical flux, efficacy and electrical voltage data is stated in the respective datasheet. Number of modules in parallel per chain might be lesser than the calculated total number of modules in parallel. Please refer to the respective datasheet for the exact numbers.

Warning on drivers
Tolerance range for electrical current data is stated in the respective datasheet. For the lower current part of the drivers operating windows, the dimming level is limited by an absolute minimum output current of the driver. For the higher current part of the drivers operating windows, the CLO feature is limited by an absolute maximum output current of the driver. Please refer to specific LED driver Design-In guide. Due to the nature of the manufacturing processes of LED drivers the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data. Calculations are made based on sample measurement data. Going below 30% of the driver's maximum output power could increase the uncertainty at which the efficiency can be calculated. Efficiency calculations are informative and represent no warranty claim.

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