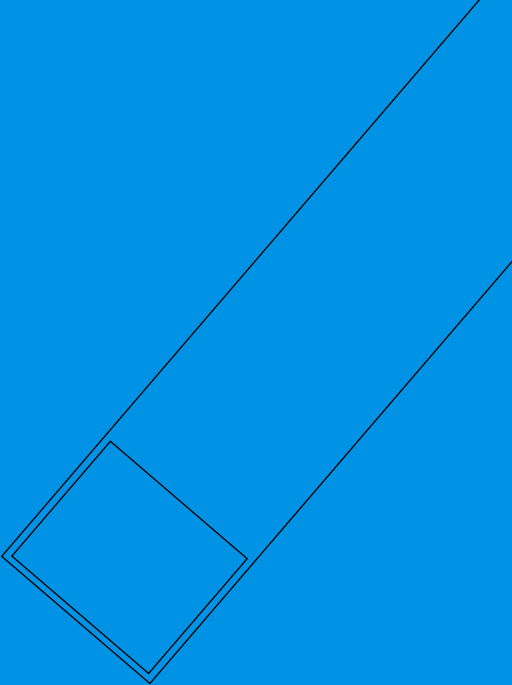


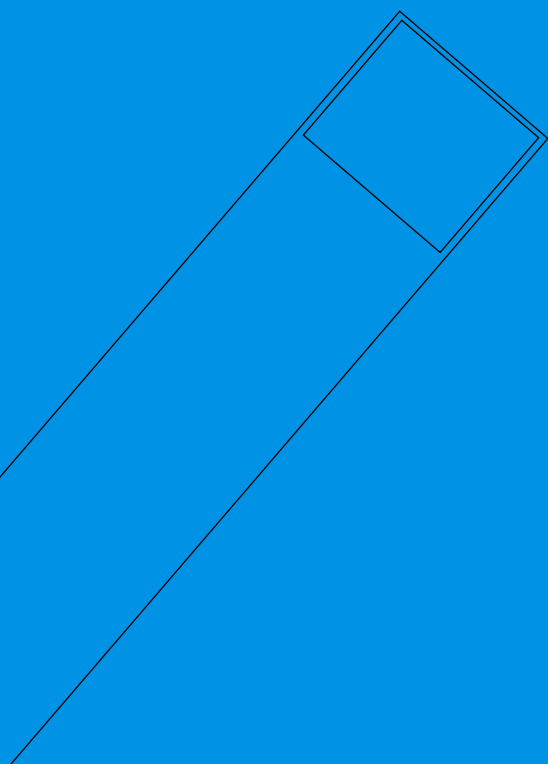


COLOSSUS[®]

Excellence inside

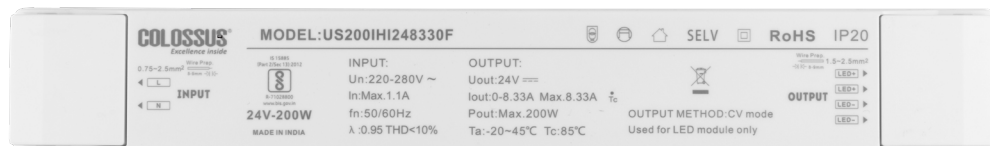
DATASHEET

US200IH1248330F



Version: 01

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*Image is for viewing purpose. Technical Data not to be drawn from above image.

Approval Markings:



Product Description

- Constant Voltage Driver for led modules
- Input Voltage 240VAC
- Output Ripple Current <5% (@ Full Load, <120 Hz) - Flicker Free
- High efficiency >91%(@100% Load)
- Power factor >0.95 (@100%Load), THD <10%
- For use in combination with luminaries of protection class II
- Protection against Abnormal Operating Conditions Like Open Voltage Protection, Overload Protection
- Surge protection 2KV
- Nominal Life Time: 1,00,000 hours @ $t_c \leq t_{cmax}$

Functions

- Application oriented operation for maximum compatibility

Applications



Technical Data

Mains Voltage Supply

Rated Voltage Range	240VAC
Rated Frequency	50/60 Hz
Max. Admissible Input Voltage Range(AC)	175-265VAC
Total Harmonic Distortion (THD)	<10%(@Full Load-240VAC)
Mains Voltage Withstanding Capacity	300VAC for 2hrs

Output Data

Max. Ripple output current(with LED Load)	<5% (@ Full Load, <120 Hz) - Flicker Free
Output Current Tolerance	±5%
Max Starting Time	<1s

Interface And Dimming Operation

Dimming Interface	None
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Power Factor

240V(@ Full Load)	>0.95
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Efficiency(typ.)

Full Load	>91%
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Protections

Open Circuit	<24VDC
Output Short Circuit Operation	Yes
Input Over Voltage Cutoff	None
Input Under Voltage Cutoff	None

Connection Terminals

Type	For solid Or stranded wire
Wire Cross Section	Push Terminal
Wire Stripping Length	0.75mm ² - 2.5mm ²
	8mm - 9mm

Wire Lengths

Max. Wire Length To Led Module	<1m
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Protection

Surge	2kV
High Voltage	300V

Temperatures (Operation)

Model No.	Ambient(ta)	Case (tc)
US200IHI248330F	-20°C... +45°C	Max + 85°C

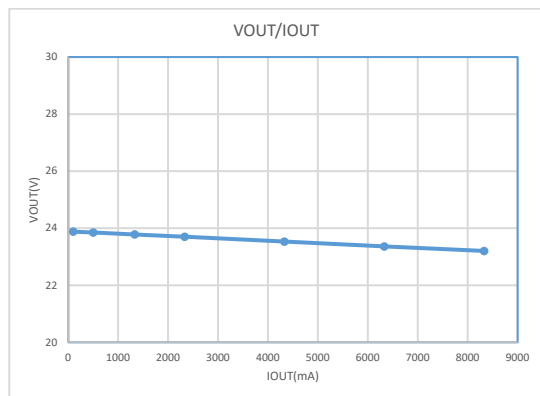
Product Specifications

Model No.	Input Current (max)	Input Power (max)	THD	Power Factor	Efficiency	Output Current	Output Voltage	Output Power (max)
US200IHI248330F	1.1A	225W	<10%	>0.95	>91%	8.33A	24V	200W

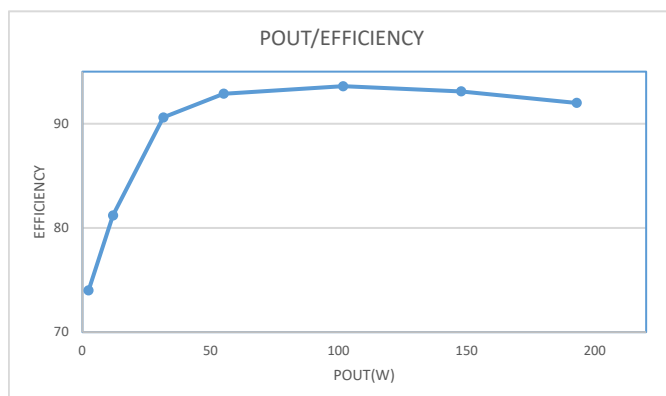
All specifications with 240 VAC are nominal operation and 100% load.

Graphs

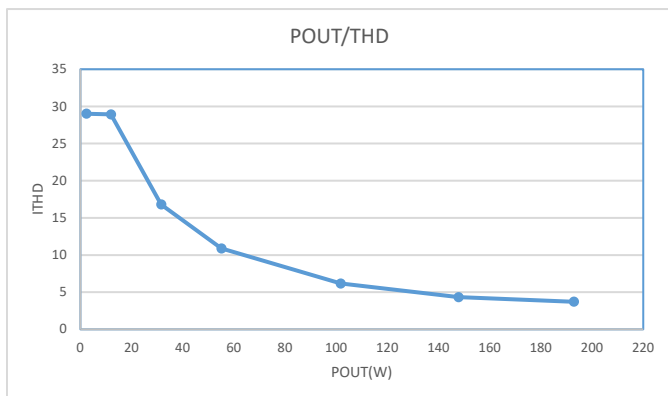
Operating Window



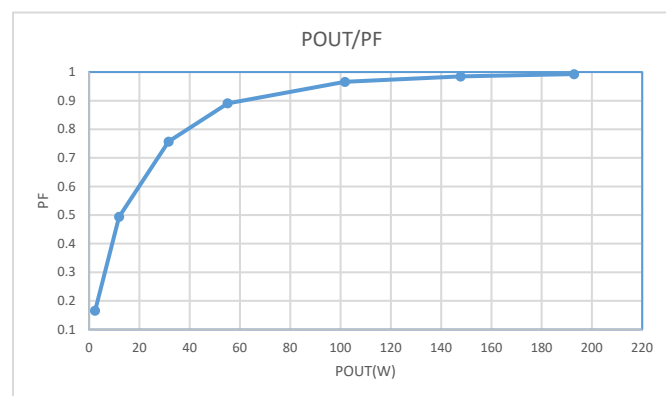
Efficiency Vs Output Power



THD Vs Output Power



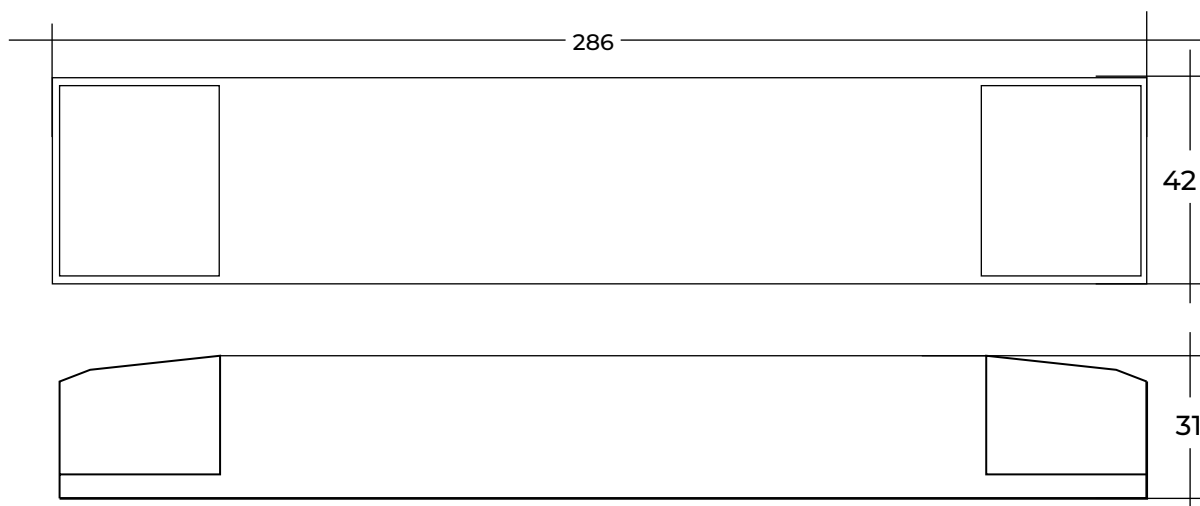
Power Factor Vs Output Power



Housing Properties

Degree of protection	IP20
Casing	Polycarbonate, White

Housing Dimensions



Dimensions	286*42*31mm
Tolerance	± 1mm
Weight	330 gm

Wiring Diagram



Expected Lifetime

Lifetime	50,000 hours
Warranty	5 years

Logistics Data

Model No.	US200IHI248330F
Weight (gm)	330 gm