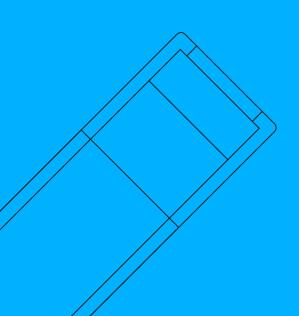


DATASHEET

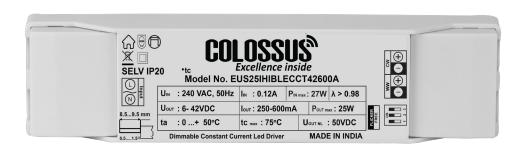
EUS25IHIBLECCT42600A













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

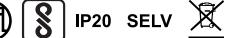
Approval Markings:



















Product Description

- · Smart Dimmable Constant Current Driver For Led Modules
- Input Voltage 240VAC
- · Output Ripple Current <5% (@ Full Load) Flicker Free
- High Efficiency >87%(@100% Load)
- Power Factor >0.98, THD<10%(@100%Load)
- · For use in combination with Luminaries of Protection Class II
- Protection against Abnormal Operating Conditions Like Input Over Voltage Protection, Under Voltage Protection, Short Circuit Protection, Open Voltage Protection, Overload Protection.
- Surge Protection 4KV
- Compatible with BLE, BLE MESH & ZIGBEE Module
- Nominal Life Time: 50,000 hours @ tc ≤ tcmax

Functions

- · Seamless Control
- · Adjustable output current with Dip Switch
- CCT & Dimming Control
- Application oriented operation for maximum compatibility

Benefits

- · 1-100% Deep Dimming
- Low Standby Power
- Smooth Transition over wide range of CCT & Intensity

Applications







Shops

House



— 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)				
Mains voltage withstanding capacity	400VAC for 8hrs (with overvoltage shutdown)				
Output Data					
Constant current					
Output current tolerance	±5%				
Max. Ripple output current(with LED Load)	<5% (@ Full Load)				
Max starting Time	<1s				
Interface And Dimming Operation					
Dimming Interface	PWM				
Power Factor					
240V(@ Full Load)	>0.98				
Efficiency(typ.)					
Full Load	>87%				
Protections					
Open Circuit	<50VDC				
Output Short Circuit Operation	YES				
Input Over Voltage Cutoff	320VAC ±10%				
Input Under Voltage Cutoff	80VAC ±10%				
Connection Terminals	For Solid Or Stranded Wire				
Туре	Push Terminal				
Wire Cross Section	0.5mm² - 1.5mm²				
Wire Stripping Length	8.5mm - 9.5mm				
Wire Lengths					
Max. Wire Length To Led Module	<1m				



Protection

Surge	4kV
High Voltage	400V

Temperatures (Operation)

Model No.	Ambient(ta)	Case (tc)
EUS25IHIBLECCT42600A	0°C +50°C	Max + 75°C

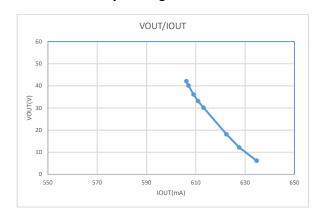
Product Specifications

Model No.	Input Input Current Powe (max) (max		THD	Power Factor	Effici- ency	Output Current	Output Voltage	Output Power (max)	
EUS25IHIBLECCT42600A	120mA	27W	<10%	>0.98	>87%	250-600mA	6-42V	25W	

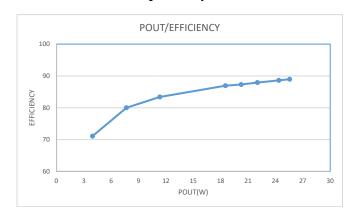
All specifications with 240 VAC are nominal operation and 100% load.

—— Graphs

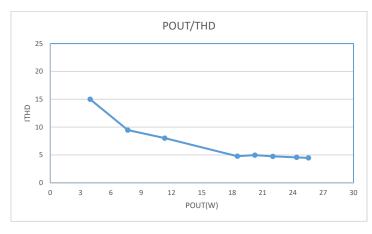
Operating Window



Efficiency Vs Output Power



THD Vs Output Power



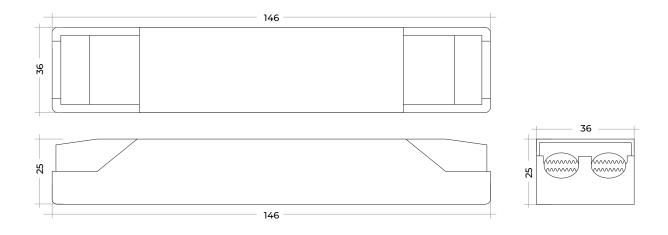
Error expected. We reserve the right to make alternations in the interest of improving our products.



—— Housing Properties

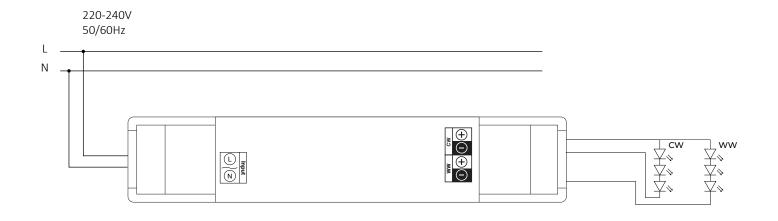
Degree of protection	IP20
Casing	Polycarbonate, White

—— Housing Dimensions



Dimensions (LxWxH)	146X36X25 mm
Tolerance	± 1mm
Weight	103 gm

— Wiring Diagrams





Switch Configuration

DS Output Current Settings



Do Output Current Settings							
S/W1	S/W2	S/W3	DRIVE CURRENT (mA)				
OFF	OFF	OFF	250				
ON	OFF	OFF	300				
OFF	ON	OFF	350				
ON	ON	OFF	400				
OFF	OFF	ON	450				
ON	OFF	ON	500				
OFF	ON	ON	550				
ON	ON	ON	600				

SW1	SW 2	SW 3	Input Voltage (V)	Input Current (mA)	Input Power (P)	THD	Power Factor	Efficiency	Output Current (mA)	Output Voltage (V)	Output Power (P)
OFF	OFF	OFF	240	52.08	11.74	9.97	0.93	84.27	246.72	42.1	9.90
ON	OFF	OFF	240	61.22	13.98	7.97	0.94	85.34	297.36	42.1	11.93
OFF	ON	OFF	240	70.01	16.16	6.62	0.95	86.46	347.81	42.2	13.95
ON	ON	OFF	240	82.55	19.39	4.69	0.97	87.69	403.70	42.3	17.00
OFF	OFF	ON	240	86.93	20.42	5.70	0.97	87.91	447.25	42.4	17.95
ON	OFF	ON	240	95.91	22.59	5.63	0.98	88.58	496.94	42.5	19.95
OFF	ON	ON	240	104.33	24.75	6.12	0.98	88.46	545.40	42.5	21.90
ON	ON	ON	240	113.25	26.97	6.20	0.99	88.67	595.55	42.6	23.91

^{*}Only for reference with respect to DIP Switch.

Expected Lifetime

Lifetime	50,000 hours
Warranty	5 years

Logistics Data

Model No.	EUS25IHIBLECCT42600A
Weight (gm)	103 gm