

COLOSSUS[®]

Excellence inside



DALI-2 NFC LED Drivers Technology



colossusworld.com



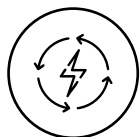
ABOUT COLOSSUS

Colossus Drivers: Powering the Future of LED Technology

Colossus is a technology-led Indian brand focused on designing and manufacturing high-performance LED drivers built for reliability, efficiency, and seamless integration. With our dedicated manufacturing facility, we are strengthening India's role in global electronics and advancing the 'Make in India' initiative through local, energy-efficient production.

Our portfolio includes Smart and Standard Drivers tailored for modern lighting systems. Smart Drivers: offered in both Isolated and Non-Isolated formats connect with mobile apps and smart home platforms, and include built-in Surge and High Voltage Protection. Standard Drivers are optimized for long-term efficiency and dependable performance.

Colossus represents a shift towards smarter, future-ready lighting infrastructure, driven by innovation, backed by quality, and engineered to last.



High
Efficiency



Flicker
Free



Global
Compatibility



Longevity
& Reliability

AREAS OF APPLICATIONS



Home



Office

FEATURES



DALI-2



Tunable White



Dimming

Certified For Quality. Approved For Performance.

All Colossus Drivers comply with industry standards and are certified for quality, safety, and performance.



WIRED SMART DRIVERS



02.1 DALI-2 NFC (DT-6) ADJUSTABLE CURRENT DRIVERS

FLICKER FREE

WARRANTY:
➤ 5 YEARS



■ Functions

- DALI-2 + PUSH Dim constant current LED drivers
- Parameters programmable via NFC (Output Current, CLO, Dimming Curve, Min/Max level, Groups, and Scenes etc)
- Flicker-free with Smooth Dimming and On/Off control
- High reliability with a nominal lifetime of 50,000 hours
- Suitable for use with luminaires of protection class II
- Deep Dimming 1%-100%

Model No.	Watt P _{OUT}	O/P Voltage V _{OUT} (V)	O/P Current I _{OUT} (mA)	Efficiency (%)	Power Factor	Surge Protection (KV)	Warranty (Years)	Dimensions (Built-in)
ELS15IHIDT646350N	15	3-46V	100-350	>85	>0.94	2	5	118.3*31*21.5mm
ELS21IHIDT645500A	21	15-45V	150-500	>87	>0.95	2	5	97.5*44*23mm
ELS23IHIDT646700N	23	3-46V	100-700	>86	>0.95	2	5	118.3*31*21.5mm
ELS36IHIDT650900N	36	3-50V	150-900	>88	>0.95	2	5	143.3*31*21.5mm
ELS44IHIDT6491050A	44	9-49V	700-1050	>90	>0.97	2	5	97.5*44*23mm

Note: Above Model Numbers ending with denotation "A" are DIP Switch based current adjustable.

02.1 DALI-2 NFC (DT-8) ADJUSTABLE CURRENT DRIVERS

FLICKER FREE

**WARRANTY:
> 5 YEARS**



■ Functions

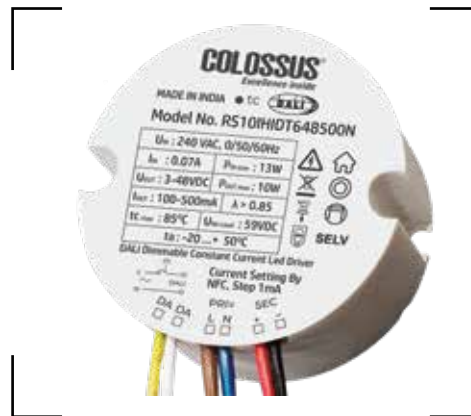
- DALI-2 + PUSH Dim constant current LED drivers
- Parameters programmable via NFC (Output Current, CLO, Dimming Curve, Min/Max level, Groups, and Scenes etc)
- Flicker-free with Smooth Dimming, CCT and On/Off control
- High reliability with a nominal lifetime of 50,000 hours
- Suitable for use with luminaires of protection class II
- Deep Dimming 1%-100%

Model No.	Watt P _{OUT}	O/P Voltage V _{OUT} (V)	O/P Current I _{OUT} (mA)	Efficiency (%)	Power Factor	Surge Protection (kV)	Warranty (Years)	Dimensions (Built-in)
ELS12IHIDT848400N	12	4-48V	100-400	>85	>0.90	2	5	118.3*31*21.5mm
ELS20IHIDT846700N	20	3-46V	350-700	>87	>0.93	2	5	143.3*31*21.5mm
ELS30IHIDT842900N	30	9-42V	200-900	>89	>0.97	2	5	122.5*44*23mm
ELS42IHIDT8421050N	42	10-42V	300-1050	>90	>0.97	2	5	122.5*44*23mm

02.1 DALI-2 NFC (DT-6) ADJUSTABLE CURRENT DRIVERS

FLICKER FREE

**WARRANTY:
> 5 YEARS**



■ Functions

- DALI-2 + PUSH Dim constant current LED drivers
- Parameters programmable via NFC (Output Current, CLO, Dimming Curve, Min/Max level, Groups, and Scenes etc)
- Flicker-free with Smooth Dimming and On/Off control
- High reliability with a nominal lifetime of 50,000 hours
- Suitable for use with luminaires of protection class II
- Deep Dimming 1%-100%

Model No.	Watt P _{OUT}	O/P Voltage V _{OUT} (V)	O/P Current I _{OUT} (mA)	Efficiency (%)	Power Factor	Surge Protection (kV)	Warranty (Years)	Dimensions (Built-in)
RS10IHIDT648500N	10	3-48V	100-500	>80	>0.85	1	5	Φ 42X21mm(RXH)
RS18IHIDT648700N	18	3-48V	300-700	>82	>0.90	2	5	Φ 55X25mm(RXH)

WIRED SMART SMPS



02.2 DALI-2 (DT-6) SMART SMPS

FLICKER FREE

**WARRANTY:
> 5 YEARS**



■ Functions

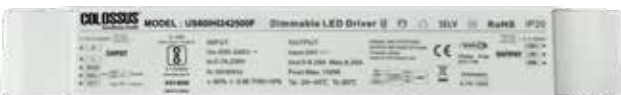
- DALI-2 + PUSH Dim constant current LED drivers
- Flicker-free with Smooth Dimming and On/Off control
- High Power Factor and Low THD
- High reliability with a nominal lifetime of 50,000 hours
- Suitable for use with luminaires of protection class II
- Deep Dimming 1%-100%

Model No.	Watt P _{OUT}	O/P Voltage V _{OUT} (V)	O/P Current I _{OUT} (A)	Efficiency (%)	Power Factor	Surge Protection (kV)	Warranty (Years)	Dimensions (Built-in)
US100IHIDT6244170F	100	24V	4.17	>93	>0.95	2	5	286*42*31mm
US150IHIDT6246250F	150	24V	6.25	>93	>0.97	2	5	286*42*31mm
US200IHIDT6248330F	200	24V	8.33	>93	>0.97	2	5	286*42*31mm

02.2 DALI-2 (DT-8) SMART SMPS

FLICKER FREE

**WARRANTY:
> 5 YEARS**



■ Functions

- DALI-2 + PUSH Dim constant voltage LED drivers
- Flicker-free with Smooth Dimming, CCT and On/Off control
- High Power Factor and Low THD
- High reliability with a nominal lifetime of 50,000 hours
- Suitable for use with luminaires of protection class II
- Deep Dimming 1%-100%

Model No.	Watt P _{OUT}	O/P Voltage V _{OUT} (V)	O/P Current I _{OUT} (A)	Efficiency (%)	Power Factor	Surge Protection (kV)	Warranty (Years)	Dimensions (Built-in)
US100IHIDT8244170F	100	24V	4.17	>93	>0.95	2	5	286*42*31mm
US150IHIDT8246250F	150	24V	6.25	>93	>0.97	2	5	286*42*31mm
US200IHIDT8248330F	200	24V	8.33	>93	>0.97	2	5	286*42*31mm

48V MAGNETIC DRIVER



02.3 DALI-2 (DT6 & DT8) 48V DC-DC MAGNETIC DRIVER

FLICKER FREE

**WARRANTY:
> 5 YEARS**



■ Functions

- DALI-2 + PUSH Dim 48V DC-DC convertor
- Flicker-free with Smooth Dimming, CCT and On/Off control
- High reliability with a nominal lifetime of 50,000 hours
- Adjustable Output Current via DIP switch
- Deep Dimming 1%-100%

Model No.	Watt P _{OUT}	O/P Voltage V _{OUT} (V)	O/P Current I _{OUT} (mA)	Efficiency (%)	Power Factor	Surge Protection (KV)	Warranty (Years)	Dimensions (Built-in)
OD18NIDT642700A	18	10-42	100-700	>93	NA	NA	5	125*13.5*10.43mm
OD32NIDT642700A	32	10-42	100-700	>95	NA	NA	5	125*13.5*10.43mm
OD42NIDT6421050A	42	10-42	450-1050	>95	NA	NA	5	125*13.5*10.43mm
OD18NIDT842700A	18	10-42	100-700	>93	NA	NA	5	125*13.5*10.43mm
OD32NIDT842700A	32	10-42	100-700	>95	NA	NA	5	125*13.5*10.08mm
OD42NIDT8421050A	42	10-42	450-1050	>95	NA	NA	5	125*13.5*10.08mm



COLOSSUS[®]

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Explore Partnership Opportunities With Us!

For **Dealership And Distribution** Inquiries,
Please Reach Us At: **connect@colossusworld.com**

भारत  **MADE**
में  **IN**
निर्मित  **INDIA**



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