

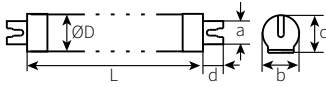
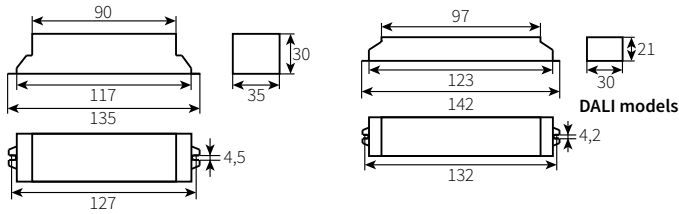
ECULED1 For Single LED Lamps/ LED Modules

Specifications

Input	230 Volt AC, 50/60 Hz, max 0,025A
Power Consumption	max 5VA
Operating Mode	Non-maintained
Luminaire	LED light source
Battery	High Temp Ni-Cd & Ni-MH batteries
Emergency Duration	1 or 3 hours
Charge Indicator	Green LED lamp
Output	Single LED lamp/LED module
Insulation Class	Class II (no earth wiring required)
Protection Class	IP20
Temperature	ta 0-45°C
Terminals	0.2 to 1.5mm ² quick fit terminal block
Enclosure	White thermoplastic housing



Dimensions (mm)



Battery		ØDxL	a	b	c	d
3.6V - 0.8Ah	Ni-Cd	15x150	12	18	16	6
3.6V - 1.2Ah	Ni-Cd	23x130	17	27	27	14
3.6V - 3.0Ah	Ni-Cd	26x150	19	30	30	8
3.6V - 1.5Ah	Ni-MH	15x150	12	18	16	6
3.6V - 2.2Ah	Ni-MH	23x130	17	27	27	14

(*) Special type & configurations are available

Ordering Details

Code	Type	Output	Duration	Battery
ECULED1350-1H	ECO	320/350mA 135 Lumen	1 hour	3.6V - 0.8Ah
ECULED1350-3H			3 hours	3.6V
ECULED1700-1H		640/700mA 210 Lumen	1 hour	3.6V - 3.0Ah
ECULED1700-3H			3 hours	
ECULED1350-ST-1H	SELF TEST	320/350mA 135 Lumen	1 hour	3.6V - 0.8Ah
ECULED1350-ST-3H			3 hours	
ECULED1700-ST-1H		640/700mA 210 Lumen	1 hour	3.6V - 3.0Ah
ECULED1700-ST-3H			3 hours	
ECULED1350-3H-DALI	DALI	320/350mA 135 Lumen	3 hours	3.6V - 1.5Ah
ECULED1500-3H-DALI		450/500mA 180 Lumen	3 hours	3.6V - 2.2Ah

(*) Special requests are available

ECULED212

For LED Luminaires/
LED Modules

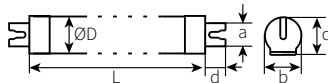
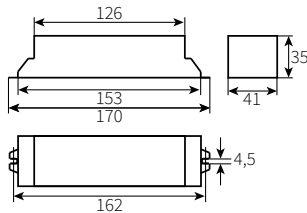
Specifications

Input	230 Volt AC, 50/60 Hz, max 0,025A
Power Consumption	max 5VA
Operating Mode	Non-maintained
Function	Standard & Self Test (XX-ST models)
Luminaire	LED light source
Battery	High Temp Ni-Cd batteries
Emergency Duration	1 or 3 hours
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp (Self Test models)
Output Voltage	Refer to table below
Insulation Class	Class II (no earth wiring required)
Protection Class	IP20
Temperature	ta 0-45°C
Terminals	0.2 to 1.5mm ² quick fit terminal block
Enclosure	White thermoplastic housing



Dimensions (mm)

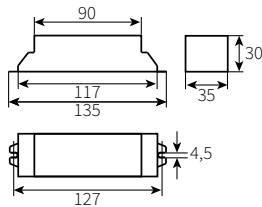
ECULED212



Battery	ØDxL	a	b	c	d
3.6V - 0.8Ah	15x150	12	18	16	6
3.6V - 1.7Ah	23x130	17	27	27	14
3.6V - 3.0Ah	26x150	19	30	30	8
3.6V - 3.5Ah	26x180	19	30	30	8
3.6V - 4.5Ah	33x190	25	37	37	16
4.8V - 1.7Ah	23x170	17	27	27	14
4.8V - 4.5Ah	33x240	25	37	37	16
6.0V - 1.7Ah	23x220	17	27	27	14
6.0V - 4.5Ah	33x290	25	37	37	16

(*) Special type & configurations are available

ECULED212F



Ordering Details

Code	Output	Duration	Battery
ECULED212-65F-1H	6 - 65 Volt	1 hour	3.6V - 0.8Ah
ECULED212-65F-3H		3 hours	3.6V - 1.7Ah
ECULED212-65HF-1H		1 hour	3.6V - 1.7Ah
ECULED212-65HF-3H		3 hours	3.6V - 4.5Ah
ECULED212-65UF-1H		1 hour	4.8V - 1.7Ah
ECULED212-65UF-3H	3 hours	4.8V - 4.5Ah	
ECULED212-120F-1H	50 - 120 Volt	1 hour	4.8V - 0.8Ah
ECULED212-120F-3H		3 hours	4.8V - 1.7Ah
ECULED212-120HF-1H		1 hour	4.8V - 1.7Ah
ECULED212-120HF-3H		3 hours	4.8V - 4.5Ah
ECULED-212-1H	6 - 45 Volt	1 hour	3.6V - 1.7Ah
ECULED-212-3H		3 hours	3.6V - 3.5Ah
ECULED-212-65E-1H	6 - 65 Volt	1 hour	3.6V - 0.8Ah
ECULED-212-65E-3H		3 hours	3.6V - 1.7Ah
ECULED-212-65-1H	6 - 65 Volt	1 hour	3.6V - 1.7Ah
ECULED-212-65-3H		3 hours	3.6V - 3.0Ah
ECULED-212-65-ST-1H	6 - 65 Volt Self Test Function	1 hour	4.8V - 1.7Ah
ECULED-212-65-ST-3H		3 hours	4.8V - 3.0Ah

(*) Special requests are available

ECULED12 & ECULED24

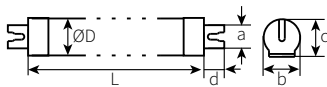
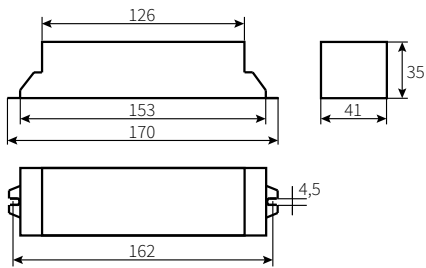
For Voltage Driven LED Luminaires/LED Modules

Specifications

Input	230 Volt AC, 50/60 Hz, max 0,025A
Power Consumption	max 5VA
Operating Mode	Non-maintained
Luminaire	LED light source
Battery	High Temp Ni-Cd, Ni-MH & VRLA batteries
Emergency Duration	1 or 3 hours
Charge Indicator	Green LED lamp
Output Power	Refer to table below
Insulation Class	Class II (no earth wiring required)
Protection Class	IP20
Temperature	ta 0-45°C
Terminals	0.2 to 1.5mm ² quick fit terminal block
Enclosure	White thermoplastic housing



Dimensions (mm)



Battery	ØDxL	a	b	c	d	VRLA Battery	Size
6.0V - 1.7Ah	23x200	17	27	27	14	12V - 4Ah	70 x 90 x 100
6.0V - 4.5Ah	33x290	25	37	37	16	12V - 7Ah	150 x 100 x 70

(*) Special type & configurations are available

Ordering Details

Code	Lamp	Max Power & Duration	Battery
ECULED12-17VR	12 Volt	33W 1 hour, 14W 3 hours	VRLA / 1x12V-7Ah
ECULED12-27VR		67W 1 hour, 28W 3 hours	VRLA / 2x12V-7Ah; Parallel
ECULED12-17NC		12W 1 hour, 5W 3 hours	Ni-Cd / 2x6V-1.7Ah; Serial
ECULED12-45NC		32W 1 hour, 13W 3 hours	Ni-Cd / 2x6V-4.5Ah; Serial
ECULED24-27VR	24 Volt	67W 1 hour, 28W 3 hours	VRLA / 2x12V-7Ah; Serial
ECULED24-17NC		25W 1 hour, 10W 3 hours	Ni-Cd / 4x6V-1.7Ah; Serial
ECULED24-45NC		65W 1 hour, 27W 3 hours	Ni-Cd / 4x6V-4.5Ah; Serial

(*) Special requests are available

ECULEDAC

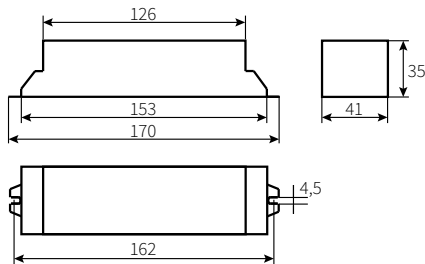
For Retrofit Lamps (T5, T8 LED Tube & GU10, E27 type lamps)

Specifications

System Mode	Non-maintained), maintained or switchable maintained
Input Voltage	230 Volt AC, 50/60Hz
Emergency Duration	1 or 3 hours
LED Output	Current & Voltage controlled, min 80% efficiency,
LED Lamp	Refer to the table below
Battery	Refer to the table below
Charging Unit	Current & Voltage controlled charger
Battery Protection	Overcharge and deep discharge protection
Charge Duration	24/48 hours
Charge Indicator	Green LED lamp
Isolation Class	Class II (No earth wiring required)
Temperature	0 – 40°C
Humidity	% 20 - 90 RH (RH)
Enclosure	White thermoplastic housing
Color	White



Dimensions (mm)



Ordering Details

Product Code	NI-CD Battery Group		Max. Lamp Power with Emergency Duration		
	Voltage ve Capacity	Dimensions (mm)	1 Hour	2 Hours	3 Hours
ECULEDAC-4817	4.8 Volt, 1.7Ah Ni-Cd	Ø 23 X 170	4W		
ECULEDAC-4845	4.8 Volt, 4.5Ah Ni-Cd	Ø 33 X 240	11W	6W	4W
ECULEDAC-6017	6.0 Volt, 1.7Ah Ni-Cd	Ø 23 X 220	5W		
ECULEDAC-6045	6.0 Volt, 4.5Ah Ni-Cd	Ø 33 X 300	14W	7W	5W
ECULEDAC-7217	7.2 Volt, 1.7Ah Ni-Cd	2 pcs Ø 23 X 130	6W		
ECULEDAC-7235	7.2 Volt, 3.5Ah Ni-Cd	2 pcs Ø 26 X 180	13W	7W	5W
ECULEDAC-7245	7.2 Volt, 4.5Ah Ni-Cd	2 pcs Ø 33 X 180	16W	9W	7W
ECULEDAC-9617	9.6 Volt, 1.7Ah Ni-Cd	2 pcs Ø 23 X 170	8W		
ECULEDAC-9645	9.6 Volt, 4.5Ah Ni-Cd	2 pcs Ø 33 X 240	22W	12W	9W
ECULEDAC-12017	12 Volt, 1.7Ah Ni-Cd	2 pcs Ø 23 X 220	10W		
ECULEDAC-12045	12 Volt, 4.5Ah Ni-Cd	2 pcs Ø 33 X 300	28W	15W	11W
ECULEDAC-14445	14.4 Volt, 4.5Ah Ni-Cd	2 pcs Ø 33 X 360	33W	18W	14W

Wiring

