



LUMiGY

24V TEMPORARY
Lighting Range

Product Overview

Lumigy's SELV 24V temporary lighting system is an essential tool for construction projects, offering contractors a safe, adaptable, and cost-effective solution for managing temporary lighting needs. Its ability to seamlessly adjust to the evolving requirements of a construction site helps maintain safety, meet regulatory standards, and enhance overall project efficiency.

A SELV 24V lighting system offers significant advantages when it comes to mechanical protection and containment, streamlining the process of installation, removal, and relocation. The low voltage design of the system reduces the need for complex protective measures, such as heavy-duty cabling or extensive shielding, which are typically required with higher voltage systems. This simplification allows for faster setup and tear-down, greatly reducing the time spent on each phase of the project and enabling quicker adjustments to accommodate the changing layout of the construction site.

Lumigy's 24V temporary lighting system features a dual 24V DC power supply with a total combined output of 24 Amps. All Lumigy 24V temporary luminaires are equipped with either single or end-to-end IP65 pre-wired connectors, and feature a market leading 3 hours of emergency duration, exceeding AS/NZ3012 requirements.

The ease of installation and relocation not only results in significant time and cost savings but also enhances the flexibility of the lighting setup.

As construction sites are dynamic, with work areas and egress routes often shifting, the ability to quickly move and adjust the lighting ensures that the system can always meet the site's evolving needs. This flexibility minimizes delays and disruptions, allowing the project to stay on schedule.



24V Cabling System

- Provides scalable and flexible installation
- Switched control of general 24V lighting possible while maintaining supply to keep emergency batteries charged & ready
- Enables easy tool free IP65 connection for general and emergency luminaires
- 3-way and 4-way IP65 "splitter connector" connection allows for multiple configurations
- 4m, 6m, 8m, IP65 3-core interconnecting cables available
- Optional T-Lock accessory for tamper proof connection

24V Temporary Weatherproof Batten

- AS/NZS 2293.3 compliant with 3 hour emergency duration in accordance with AS/NZS3012
- Adjustable Power Output 20W-40W
- 3CCT Colour Temperature 3K/4K/5K
- Available in 600mm or 1200mm
- Lithium Iron Phosphate Batteries
- Surface Mount or Chain suspension options
- Flex & plug from both ends for IP65 end-to-end cabling

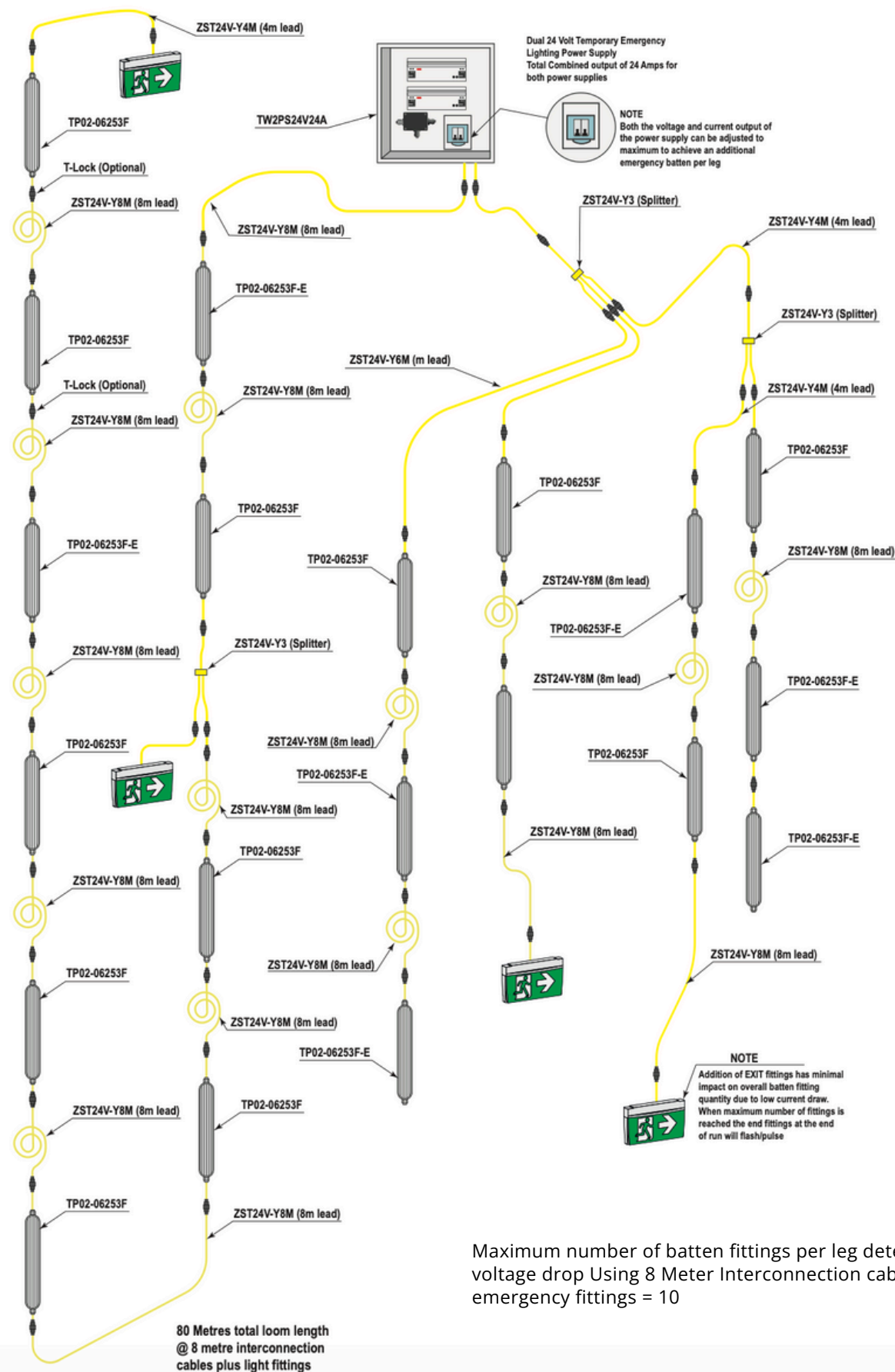
24V DC Power Supply

- Wall mounted IP65 Weatherproof, lockable enclosure
- 24V DC output switch that allows supply to be switched off whilst still maintaining permanent supply to continuously charge battery
- Available in single line, or dual line outputs

24V Temporary Exit Range

- AS/NZS 2293.3 compliant with 3 hour emergency duration in accordance with AS/NZS3012
- Available in IP65 weatherproof option
- Lithium Iron Phosphate Batteries Surface Mount or Chain suspension options

24V Example Layout



Maximum number of batten fittings per leg determined by overall voltage drop Using 8 Meter Interconnection cables total batten emergency fittings = 10

24V COMPONENTS

PART NUMBER	SYSTEM COMPONENTS
ZST24V-Y4M	4M Extension Cable - IP65
ZST24V-Y6M	6M Extension Cable - IP65
ZST24V-Y8M	8M Extension Cable - IP65
ZST24V-Y1M	1M Temp. Female Plugged Loom - IP65
ZST24V-Y3	Splitter Connector - IP65 3 Way
ZST24V-Y4	Splitter Connector - IP65 4 Way
TW2PS24V24A	24V DC Single Line 24A Power Supply in an IP65 Metal Lockable Enclosure
TW2PS24V24A	24V DC Double Line 24A Power Supply in an IP65 Metal Lockable enclosure

24V DC TEMPORARY POWER SUPPLY

PRODUCT INFORMATION	SYSTEM COMPONENTS
Part Number	TW2PS24V24A / TW2PS24V24A-ELTK
Construction	Metal Enclosure
Mounting	Surface Mount
Dimensions L x W x H	400mm x 400mm x 200mm
Weight	14.5 kg
Charging Method	Intelligent current limited constant voltage
Operating Voltage	240V AC; 50Hz
Rated Output Voltage	24V DC (SELV)
IP Rating	IP65
Operating Temperature	0°C to 40°C

REPLACEMENT PARTS

1196701	Power Supply, Mean Well HLG - 480 H - 24A (2)
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Technical Specifications

Power Supply

ORDERING INFORMATION	24V POWER SUPPLY (SINGLE LINE)	24V POWER SUPPLY (DOUBLE LINE)
Standard	TWPS24V20A	TWPS24V24A
Dimensions (L x W x H)	300mm x 300mm x 180mm	400mm x 400mm x 200mm

TECHNICAL SPECIFICATIONS		
Operating Voltage	240V AC, 50Hz	240V AC, 50Hz 24V
Rated Output Voltage	24V DC 20A (Max)	DC 24A (Max) 0°C -
Operating Temperature	0°C - 40°C	40°C
Ingress Protection Rating (IP)	IP65	IP65

Exits

ORDERING INFORMATION	CLEVER FIT	UNIVERSAL WEATHERPROOF	WALL MOUNT WEATHERPROOF
Standard	ZSTLED24V	ZSTLED24V	ZSTLED24V-WM
Dimensions (L x W x H)	355mm x 80mm x 215mm	410mm x 100mm x 272mm	380mm x 130mm x 190mm
Directional Options	All Directional Inserts Included		

POWER, LAMPS AND BATTERY			
Power Consumption	1.5W	1.5W	1.5W
Battery	Lithium Iron Phosphate		
Operating Module	Maintained		
Operating Voltage	24V DC		
Viewing Distance	24m		
Mounting Type	Chain Suspension or Wall Mount	Wall and Ceiling Mount	Wall Mount
Ingress Protection Rating	IP20	IP65	IP65

Battens

ORDERING INFORMATION	600MM		1200MM	
End to End Flex and Plug	TP02-06253F	TP02-06253F-E	TP02-12403F	TP02-12403F-S
Dimensions (L x W x H)	600mm x 125mm x 88mm		1280mm x 280mm x 310mm	

POWER, LAMPS AND BATTERY				
	600MM		1200MM	
Power Consumption	14/17/20/25W		24/30/35/40W	
Lamp(s) (CCT/Life)	4,000K / 50,000 Hours LED			
Battery	-	Lithium Iron Phosphate	-	Lithium Iron Phosphate
Operating Module	Non - emergency	Sustained	Non - emergency	Sustained
Operating Voltage	24V DC			
Mounting Type	Chain Suspension or Surface Mount			
Ingress Protection Rating	IP65			
Impact Rating	IK08			