

COOLON

BLINKY

Visual Signalling Luminaire

BRILLIANT • CONNECTED

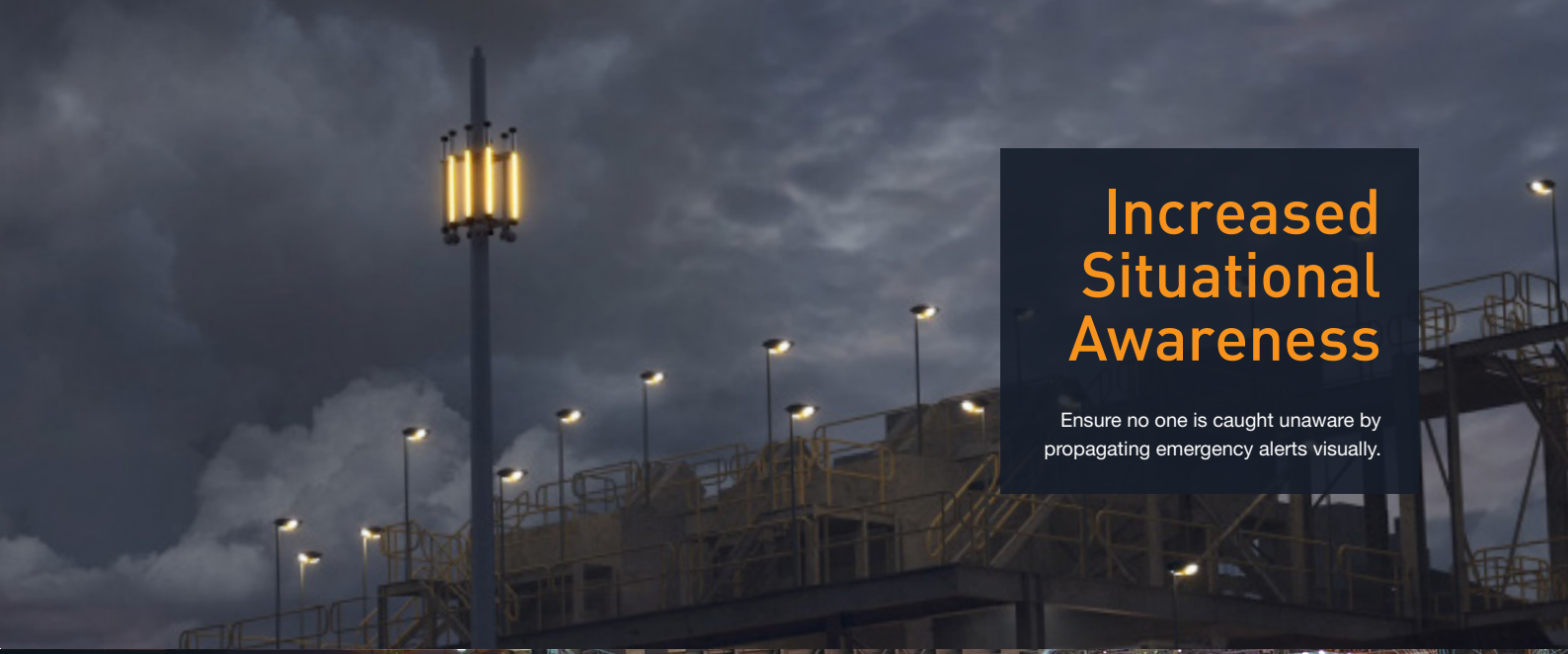
Never be caught unaware

Blinky is a visual signalling luminaire built for industrial sites. It flashes configurable warning patterns in multiple colours, so each site can assign distinct visual signals to its own alert types based on its safety requirements, such as extreme weather, fire, or blasting. Mounted at height, Blinky can be installed as a single unit or grouped into multi-unit configurations to create beacon-style warning points visible across large, open areas. Blinky wirelessly meshes to the Brilliant Connected Lights network so warnings can be triggered and synchronised across multiple locations

Designed for use in:

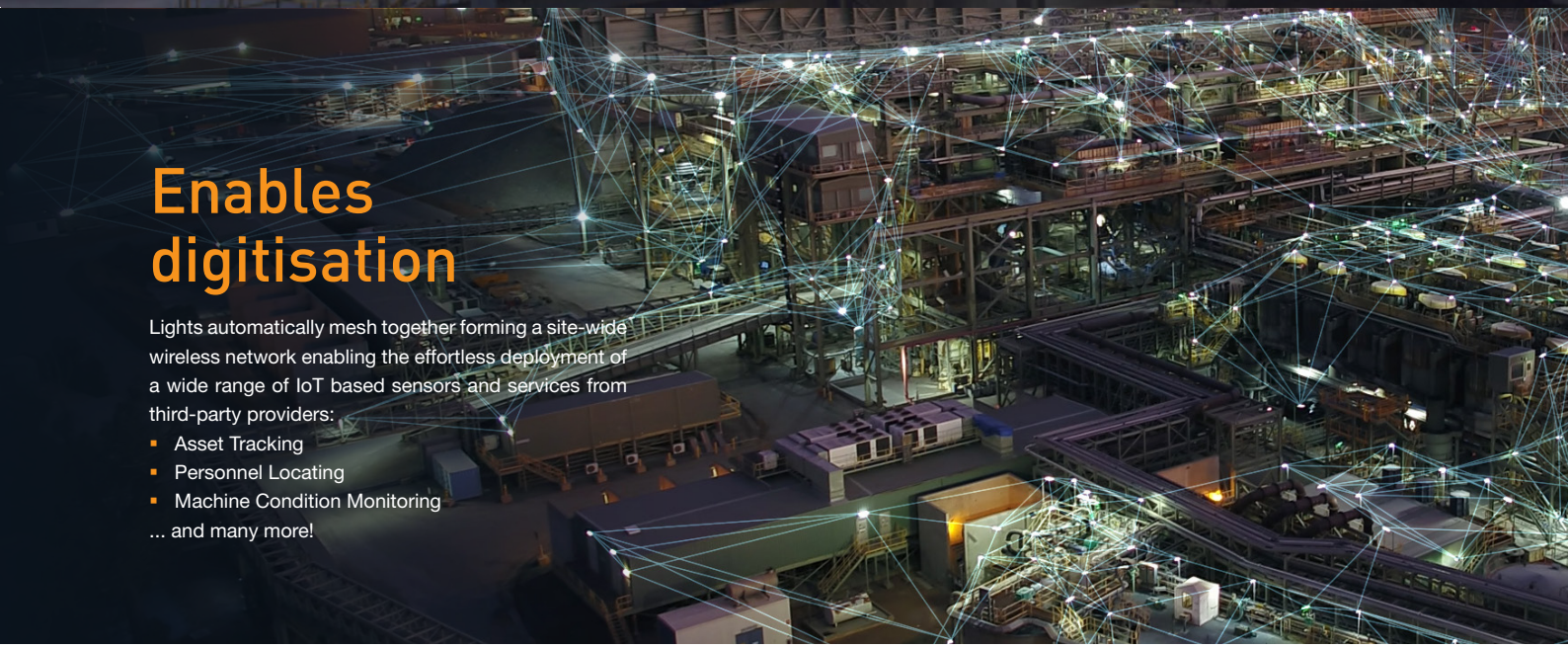
- Distributed Visual Signalling
- Visual Warning Indicator
- Warning Strobe
- Flashing Emergency Beacon

DESIGNED & MANUFACTURED IN AUSTRALIA



Increased Situational Awareness

Ensure no one is caught unaware by propagating emergency alerts visually.



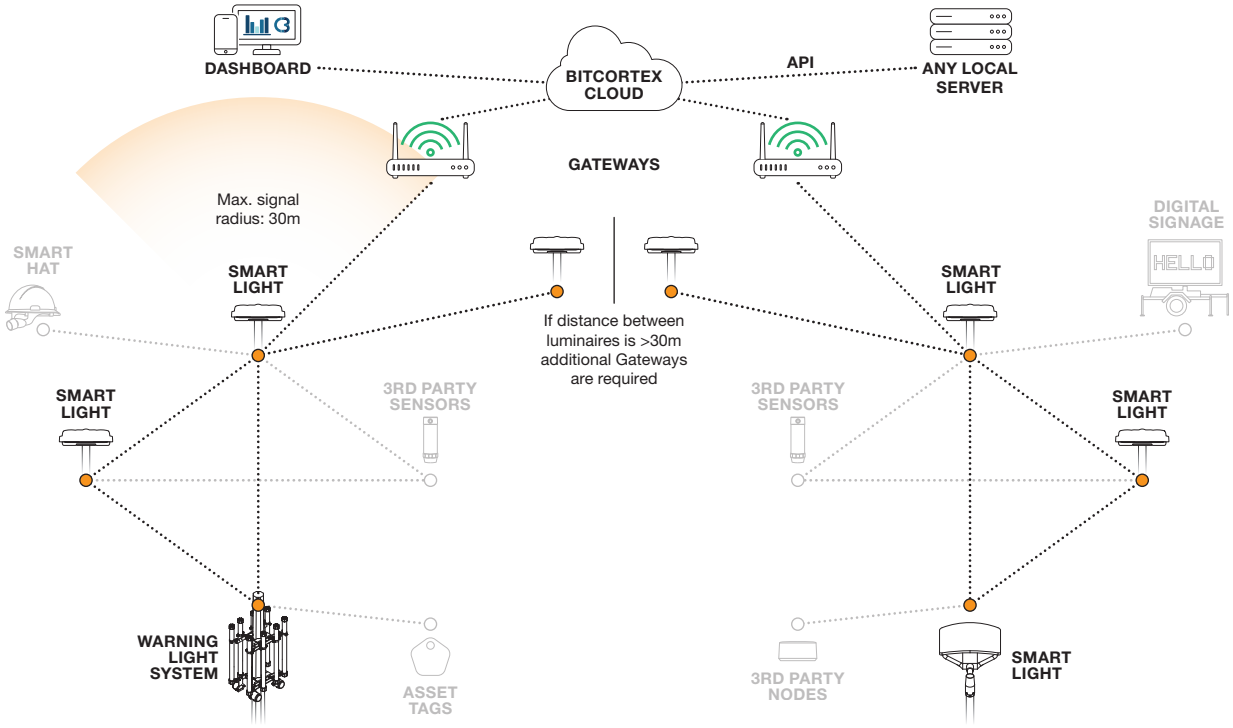
Enables digitisation

Lights automatically mesh together forming a site-wide wireless network enabling the effortless deployment of a wide range of IoT based sensors and services from third-party providers:

- Asset Tracking
- Personnel Locating
- Machine Condition Monitoring

... and many more!

MESH NETWORK



DIMENSIONS

Single Blinky Luminaire

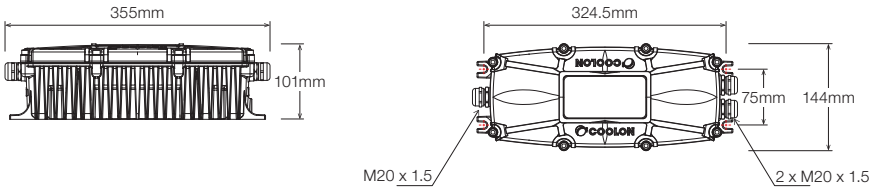


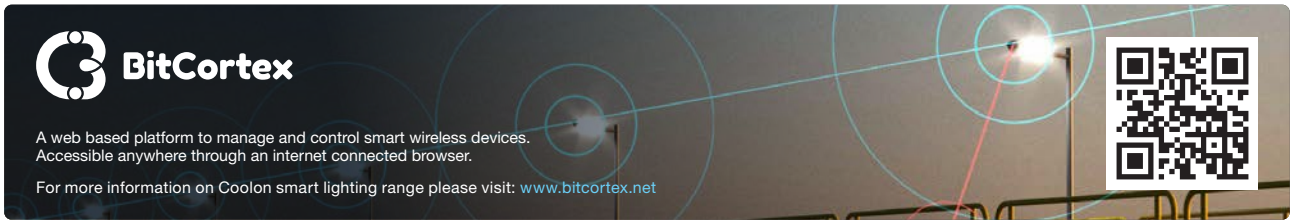
Cable available in 1m, 3m and 5m lengths.



NOTE: Tolerance on dimensions +/– 2mm

Power Supply





TECHNICAL SPECIFICATIONS

Product	Blinky Visual Signalling Luminaire
Model	BLINKY

Optical Characteristics	
Luminous Flux	~4,000 lm
CCT	RED / YELLOW / BLUE / AMB / WHT / GRN (4 colours per configuration)

Electrical Characteristics (Luminaire) [1]	
Power Consumption	40W
Supply Voltage	48V ± 10%
Cable Type	UL2517 14#2C Braid PVC UV Resistant, Black
Cable Diameter	8.8mm
Cable Length	up to 5m

Electrical Characteristics (Power Supply 281AL)	
Model Part Number	PWR-CLN-240-48-281AL-DOSI
Max Power Output	240W @ 48VDC
Voltage Range	100 – 277VAC / 140 – 350VDC
Frequency Range	47 – 63Hz
Power Factor	>0.95 / 230VAC
Leakage Current	<0.75mA / 277VAC

Storage (Luminaire)	
Temperature	0 to +45°C
Shelf Life	Up to 12 months @ 20±5°C

Wireless Communication	
Protocol	Wirepas
Operating Band	2.4 GHz, 40 Channels
RF Range	Typically up to 100 metres line of sight. [2]
Data Encryption	AES-128
Network Standby Time	> 24 hours during power outage

Battery	
Charge Time	≤16 hours
Battery Type	LiFePO4
Battery Lifetime	2,000 cycles to 70% SOC

Environmental	
IP Rating	IP66
IK Rating	IK09
Operating Temp. Range	-0 to +50°C
Thermal Management Type	Active/Continuous
Expected Lifespan	50,000 Hours to 70% Brightness
Material Composition (Inner Housing)	Aluminium Alloy
Material Composition (Outer Housing)	Protective Polycarbonate Clear Cover

Weight/Packaging	BLINKY
Luminaire Weight	2.5kg (5m cable variant)
Packaging Dimensions	**W** 1100mm **H** 110mm **D** 90mm
Packaged Weight	2.9kg

Weight/Packaging	Power Supply 281AL
Luminaire Weight	3.7kg
Packaging Dimensions	**W** 350mm **H** 150mm **D** 120mm
Packaged Weight	4kg

Warranty	
Warranty	5 years warranty as standard

[1] Reading taken while test unit operating in steady state. Ambient temperature during testing is typically 25°C. Individual unit behaviour may differ due to electronic component tolerance and ambient conditions. Product parameters and application suitability shall be checked by the user prior to commissioning.

[2] Wireless range may vary depending on the type of antennas used, elevation above the ground, presence of metal obstacles and environmental conditions. Wireless coverage could be optimised with increased amount of devices forming mesh network.

ORDERING EXAMPLE

BLINKY - 40 - RAYW - 3 - ELV

PRODUCT	TYPE	INDICATOR COLOURS	CABLE LENGTH	SUPPLY / KIT OPTION

PRODUCT	TYPE		INDICATOR COLOURS		CABLE LENGTH [1]		SUPPLY / KIT OPTION	
BLINKY	40	40W	RAYW	Red Amber Yellow White	1	1m Length	ELV	Extra Low Voltage Luminaire
			RAYG	Red Amber Yellow Green	3	3m Length	RPS1L	1 x Blinky Luminaire, 1 x Remote P/S
			RBYW	Red Blue Yellow White	5	5m Length	RPS2L	2 x Blinky Luminaires, 1 x Remote P/S
							RPS4L	4 x Blinky Luminaires, 2 x DC JB, 1 x Remote P/S
							VIS4	4 x Blinky Luminaires with 180° Visibility Pole Mounting Kit
							VIS8	8 x Blinky Luminaires with 360° Visibility Pole Mounting Kit

[1] If Cable Length is not specified the 1m cable length option will be supplied.

ASSOCIATED PRODUCTS



U-Bolt Pole Mounting Plate

ACC - PMB - NBXX - PL100 - GAL

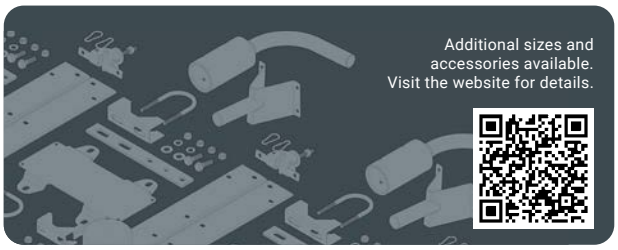
https://www.coolon.com.au/dl/ind-acc-u-bolt-pmp



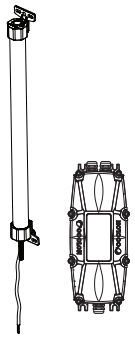
U-Bolt Pole Mounting Clamp Kit 100

ACC - PMC100 - NBXX - XXX

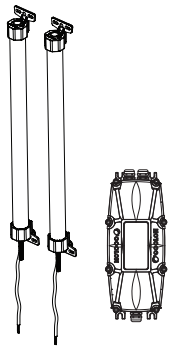
https://www.coolon.com.au/dl/ind-acc-u-bolt-pmc-100



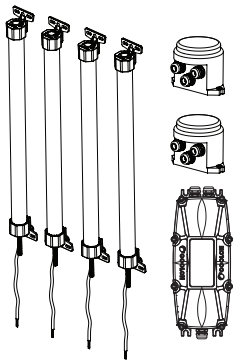
SIGNAL LIGHTING SYSTEM KIT OPTIONS



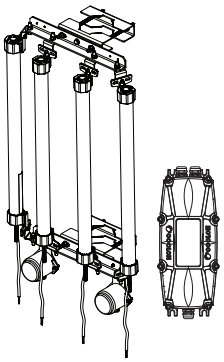
KIT	RPS1L
UNIT SUPPLIED	
BLINKY-40-**-**-**-ELV	
1 x Blinky Visual Signalling Luminaire	
PWR-CLN-240-48-281AL-DOSI	
1 x Coolon Industrial Power Supply, Dual 48VDC output, 281AL Aluminium Enclosure	



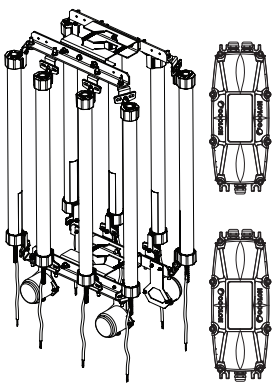
KIT	RPS2L
UNIT SUPPLIED	
BLINKY-40-**-**-**-ELV	
2 x Blinky Visual Signalling Luminaire	
PWR-CLN-240-48-281AL-DOSI	
1 x Coolon Industrial Power Supply, Dual 48VDC output, 281AL Aluminium Enclosure	



KIT	RPS4L
UNIT SUPPLIED	
BLINKY-40-**-**-**-ELV	
4 x Blinky Visual Signalling Luminaire	
PWR-CLN-240-48-281AL-DOSI	
1 x Coolon Industrial Power Supply, Dual 48VDC output, 281AL Aluminium Enclosure	
ACC-3JB	
2 x DC Junction Box, 3-Way	



KIT	VIS4
UNIT SUPPLIED	
BLINKY-40-**-**-**-ELV	
4 x Blinky Visual Signalling Luminaire	
PWR-CLN-240-48-281AL-DOSI	
1 x Coolon Industrial Power Supply, Dual 48VDC output, 281AL Aluminium Enclosure	
BLINKY-VIS4-BRACKET	
1 x VIS4 180° Visibility Pole Mounting Kit, inc.2 x 3-Way DC Junction Box	



KIT	VIS8
UNIT SUPPLIED	
BLINKY-40-**-**-**-ELV	
8 x Blinky Visual Signalling Luminaire	
PWR-CLN-240-48-281AL-DOSI	
2 x Coolon Industrial Power Supply, Dual 48VDC output, 281AL Aluminium Enclosure	
BLINKY-VIS8-BRACKET	
1 x VIS8 360° Visibility Pole Mounting Kit, inc. 4 x 3-Way DC Junction Box	