



 COOLON

# BLINKY

Visual Signalling Luminaire

BRILLIANT • CONNECTED

## Never be caught unaware

Introducing the ultimate visual warning propagation system - Blinky. From the moment it's powered on, every single light automatically connects across the site forming a robust wireless network and enabling the quickest and most efficient visual warning propagation system.

No matter the size of the site or the complexity of its infrastructure, any warning signal is instantaneously picked up, wirelessly transmitted, and visually propagated through the entire network in unison.

Designed to operate even in hard-to-reach areas and zones without CB radio coverage, Blinky ensures no worker is caught unaware.

Effortless to deploy. Wirelessly connected. Hundreds of lights are perfectly in sync to visually propagate emergency warnings everywhere on site.

Blinky is the future of industrial safety.



## Designed for use in:

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



DESIGNED &  
MANUFACTURED  
IN AUSTRALIA



# Increased Situational Awareness

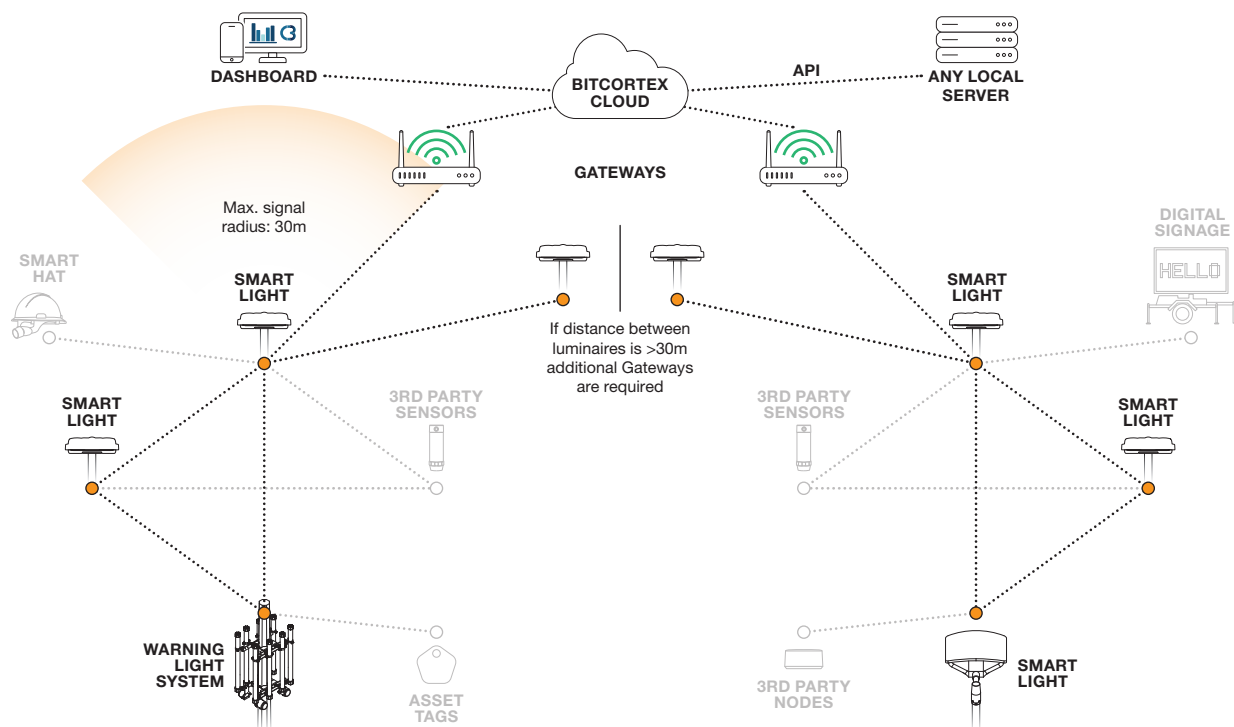
Ensure no one is caught unaware by propagating emergency alerts visually.

## 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



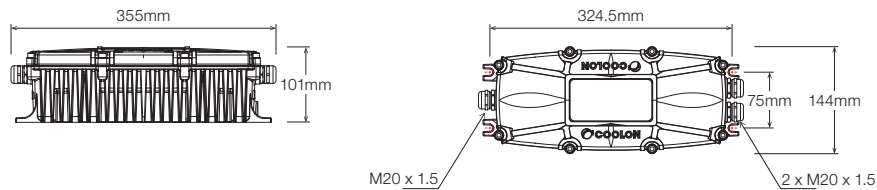
## DIMENSIONS

### Single Blinky Luminaire



NOTE: Tolerance on dimensions +/- 2mm

### Power Supply



A web based platform to manage and control smart wireless devices.  
Accessible anywhere through an internet connected browser.

For more information on Coolon smart lighting range please visit: [www.bitcortex.net](http://www.bitcortex.net)



## TECHNICAL SPECIFICATIONS

<b>Product</b>	Blinky Visual Signalling Luminaire
<b>Model</b>	BLINKY
<b>Optical Characteristics</b>	
Luminous Flux	~4,000 lm
CCT	RED / YELLOW / BLUE / AMB / WHT / GRN (4 colours per configuration)
<b>Electrical Characteristics (Luminaire) <sup>1</sup></b>	
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
<b>Electrical Characteristics (Power Supply 281AL)</b>	
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
<b>Storage (Luminaire)</b>	
Temperature	0 to +45°C
Shelf Life	Up to 12 months @ 20±5°C
<b>Wireless Communication</b>	
Protocol	Wirepas
Operating Band	2.4 GHz, 40 Channels
RF Range	Typically up to 100 metres line of sight. <sup>2</sup>
Data Encryption	AES-128
Network Standby Time	> 24 hours during power outage

<b>Battery</b>	
Charge Time	≤16 hours
Battery Type	LiFePO4
Battery Lifetime	2,000 cycles to 70% SOC
<b>Environmental</b>	
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
<b>Weight/Packaging</b>	
Luminaire Weight	2.5kg (5m cable variant)
Packaging Dimensions	W 1100mm H 110mm D 90mm
Packaged Weight	2.9kg
<b>Weight/Packaging</b>	
Luminaire Weight	3.7kg
Packaging Dimensions	W 350mm H 150mm D 120mm
Packaged Weight	4kg
<b>Warranty</b>	
Warranty	5 years warranty as standard

<sup>1</sup> 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.

<sup>2</sup> 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 <sup>1</sup>	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
		RBW 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

<sup>1</sup> 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

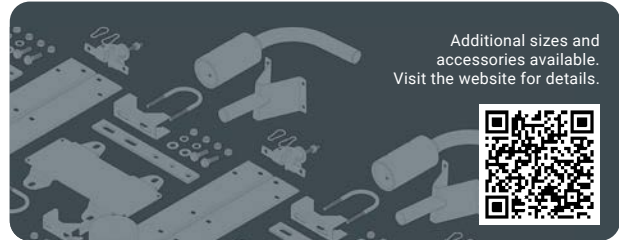
<https://www.coolon.com.au/dl/ind-acc-u-bolt-mpm>



### U-Bolt Pole Mounting Clamp Kit 100

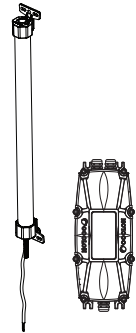
ACC - PMC100 - NBXX - XXX

<https://www.coolon.com.au/dl/ind-acc-u-bolt-PMC-100>



Additional sizes and accessories available. Visit the website for details.

## SIGNAL LIGHTING SYSTEM KIT OPTIONS



### KIT RPS1L

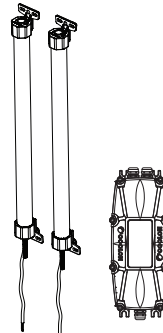
#### UNIT SUPPLIED

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

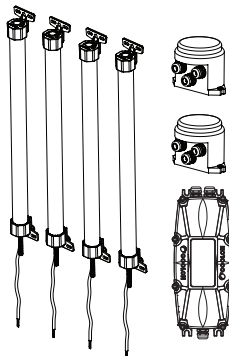
#### UNIT SUPPLIED

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

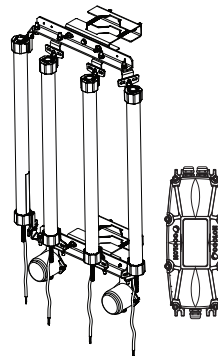
4 x Blinky Visual Signalling Luminaire

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

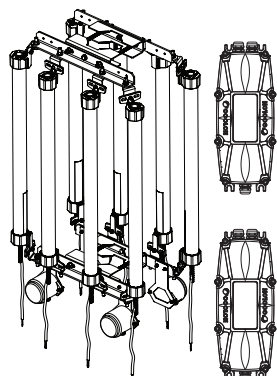
4 x Blinky Visual Signalling Luminaire

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