J.W. SPEAKER®

MINING CATALOGUE

1st Edition 2024

LED Lighting

Forward Lighting //
Zone Lighting //
Emergency Lighting //

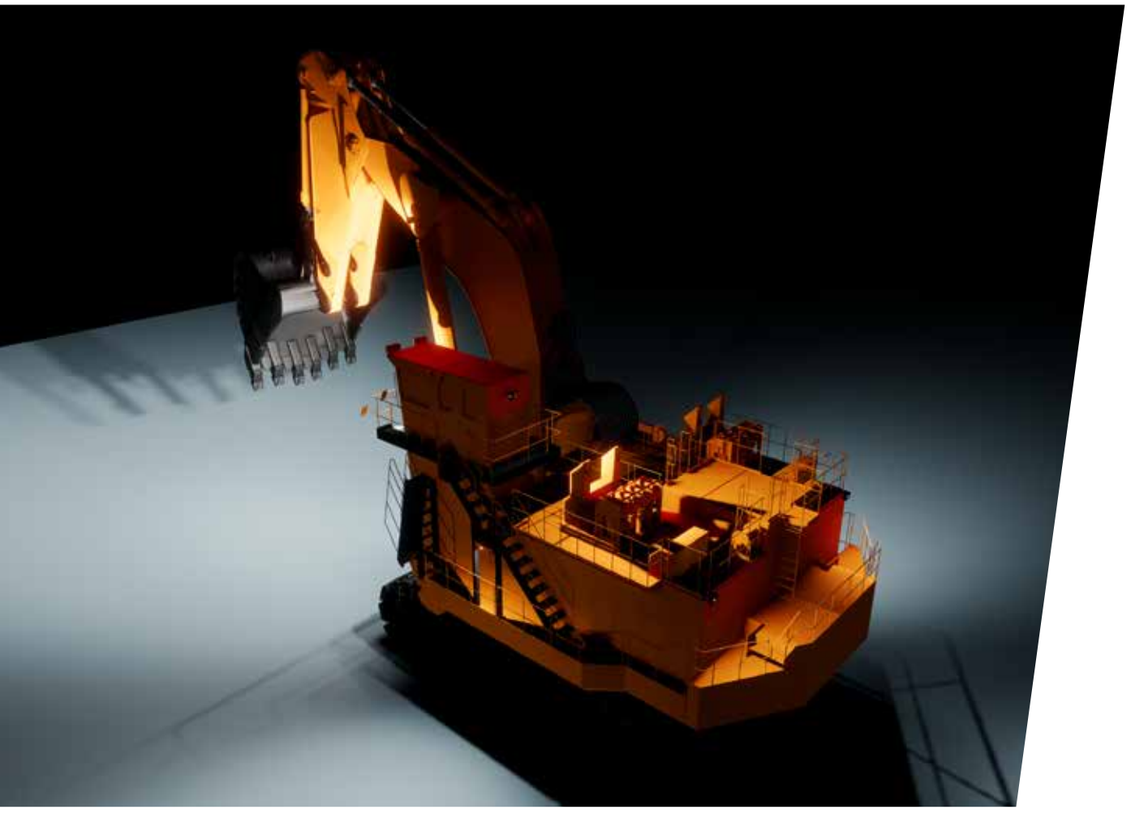


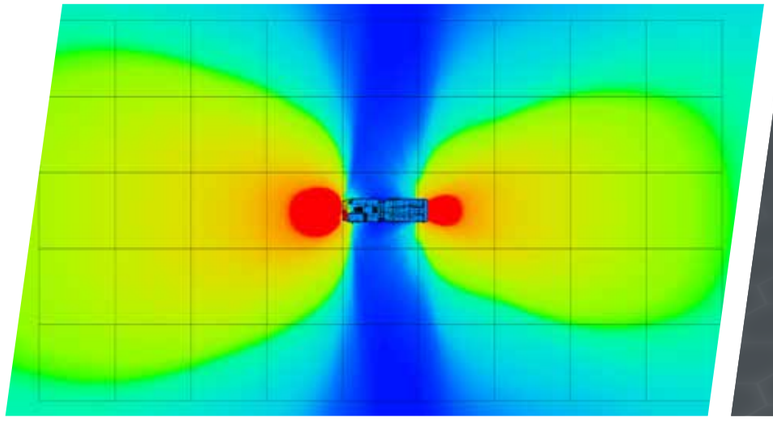


J.W. SPEAKER®
Engineered. Lighting. Solutions.

Invision Sales is dedicated to offering the highest quality lighting solutions within the mining industry, including industry leading 3D light mapping. This service allows Invision to digitally mount lighting to specific machinery without the need for on site trials and evaluations which can be almost impossible for machines and sites running 24/7.

For further information about these services, please contact Invision Sales on **03 9336 2066.**





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DELIVERING
HI-TECH LIGHTING
SOLUTIONS

MODEL 792

4" × 3" RECTANGLE WORKLIGHTS

12V - 24V

PART NO:	MOUNT:
1603921	Pedestal
1603951	Panel

36V - 90V

PART NO:	MOUNT:
1603931	Pedestal





PRODUCT SPECIFICATIONS

Colour Temp:	White 5050K	
Lumen Output:	Raw: 3,630 Effective: 2,000	
Input Voltage:	12V - 24V or 36V - 90V DC	
Maximum Current Draw:	**12V - 24V** 2.2A @ 12V DC	**36V - 90V** 0.75A @ 36V DC
Lens Material:	Polycarbonate	
Body Material:	Aluminium	
Mounting:	Panel or Pedestal with (×1) 5/16"-18 × 1.00" Mounting Bolt Bracket	
Connector:	JAE Connector MX19A003S51 harness included with flying leads	
Wiring:	Red Wire: Positive Black Wire: Negative	
Standards:	Sealed to IP67 & IP69K	
Weight:	180 grams	
Pack Qty:	Single	

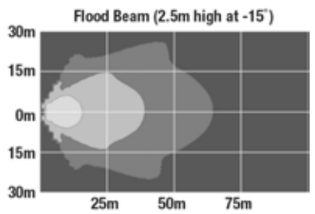
EFFECTIVE LUMENS ISOLUX CHARTS

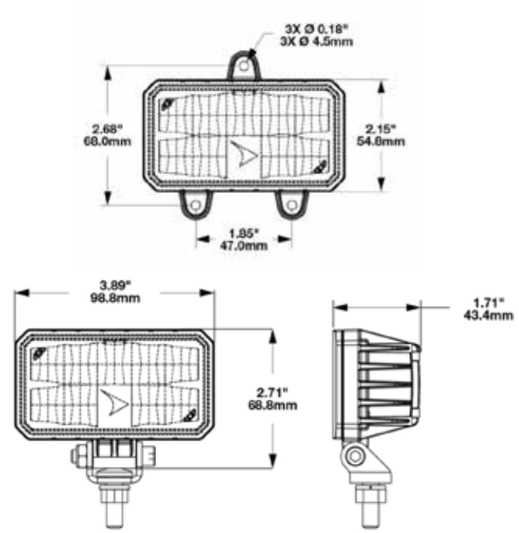
Illuminance

10+ Lux

1 Lux

0.25 Lux





MODEL 892

4" × 4" RECTANGLE WORKLIGHT

PART NO:
1603961





PRODUCT SPECIFICATIONS

Colour Temp:	White 5050K
Lumen Output:	Raw: 6,372 Effective: 3,800
Input Voltage:	12V - 24V DC
Current Draw:	4.38A @ 12V DC 1.84A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount (×1) 5/16"-18 × 1.00" Mounting Bolt Bracket
Connector:	Deutsch DT06-2S-E003
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP67 & IP69K ECE Reg 10
Weight:	410 grams
Pack Qty:	Single

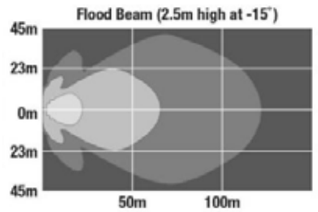
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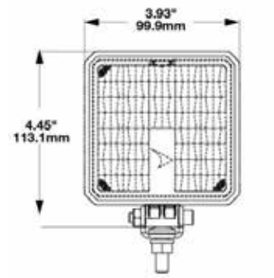
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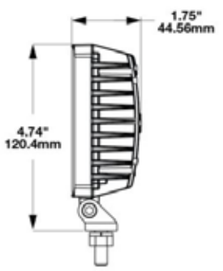
10+ Lux

1 Lux

0.25 Lux







MODEL 893

8" × 3" RECTANGLE WORKLIGHT

PART NO:
1300671







PRODUCT SPECIFICATIONS

Colour Temp:	White 5050K
Lumen Output:	Raw: 7,120 Effective: 3,700
Input Voltage:	12V - 24V DC
Current Draw:	4.5A @ 12V DC 1.8A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal with (×1) 5/16"-18 × 1.00" Mounting Bolt Bracket
Connector:	Deutsch DT06-2S-E003
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP67 & IP69K
Weight:	460 grams
Pack Qty:	Single

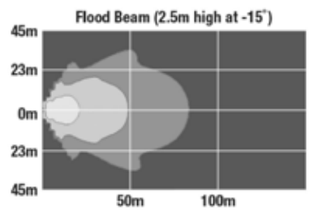
EFFECTIVE LUMENS ISOLUX CHART

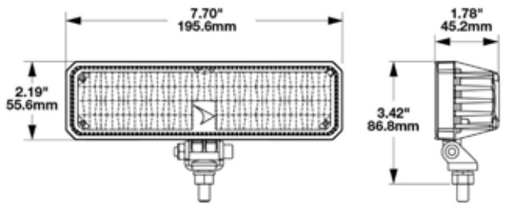
Illuminance

10+ Lux

1 Lux

0.25 Lux







MODEL 526

6" × 6" SQUARE WORKLIGHTS - 24V ONLY



White 5700K Colour

PART NO:	BEAM:
1300581	Flood
1300591	Trap
1300601	Anti-Glare

Dual White 3500K / 5700K Colour

PART NO:	BEAM:
1300641	Anti-Glare

PRODUCT SPECIFICATIONS

Colour Temp:	White 5700K
Lumen Output:	Raw: 9,000 Effective: 5,800
Input Voltage:	24V DC
Current Draw:	5.00A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal with (×1) M10-1.5 x 25 Mounting Bolt
Connector:	iCONN Connector - iMATE23
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP69K
Weight:	2.09kg
Pack Qty:	Single

PRODUCT SPECIFICATIONS - 1300641

Colour Temp:	Dual White 3500K / 5700K
Lumen Output:	Raw: (Warm) 7,500 (Cool) 9,900 Effective: (Warm) 3,390 (Cool) 3,464
Current Draw:	3.25A @ 24V DC
Wiring:	White Wire: Cool White (5700K) Black Wire: Negative Green Wire: Warm White (3500K)

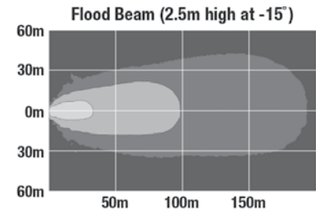
EFFECTIVE LUMENS ISOLUX CHARTS

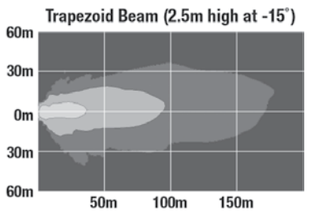
Illuminance

10+ Lux

1 Lux

0.25 Lux



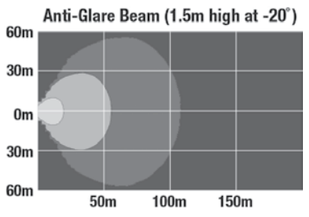


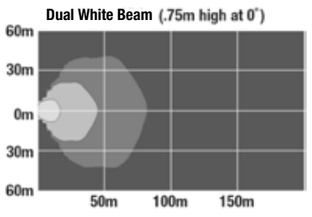
Illuminance

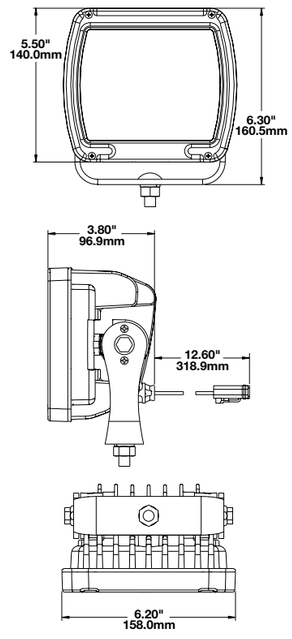
10+ Lux

1 Lux

0.25 Lux







MODEL 623

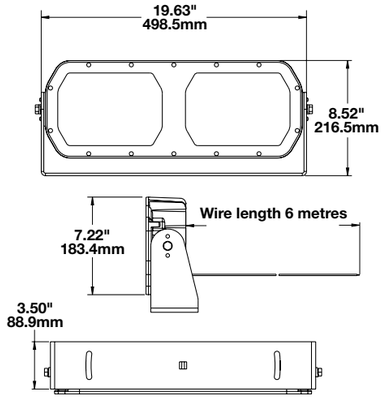
20" × 9" RECTANGLE WORKLIGHTS



PRODUCT SPECIFICATIONS

Colour Temp:	White 5700K
Lumen Output:	Raw: 40,000 Effective: 20,000
Input Voltage:	16V - 60V DC
Current Draw:	10.00A @ 24V DC 5.00A @ 48V DC
Lens Material:	Glass
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount
Connector:	Wire Harness: SJ000W 6m Harness
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP69K
Weight:	8.16kg
Pack Qty:	Single

PART NO:	BEAM:
0546671	Narrow Flood
0546681	Medium Flood
0546691	Wide Flood



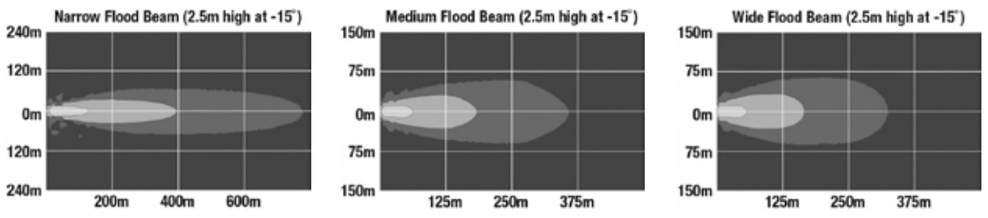
EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

10+ Lux

1 Lux

0.25 Lux







MODEL 770

5" × 3" OVAL SAFETY ZONE LIGHTS

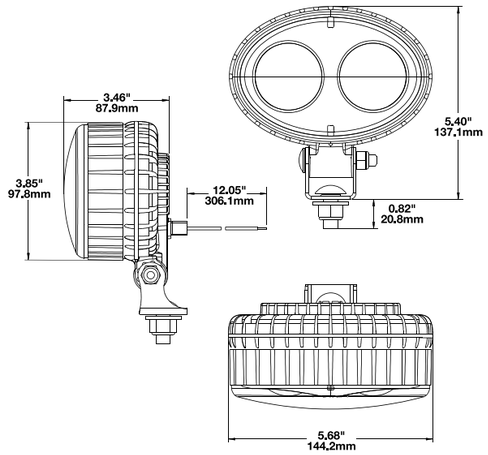
Sharp Spot Beam Pattern

PART NO:	COLOUR:
1706441	Red
1706311	Blue



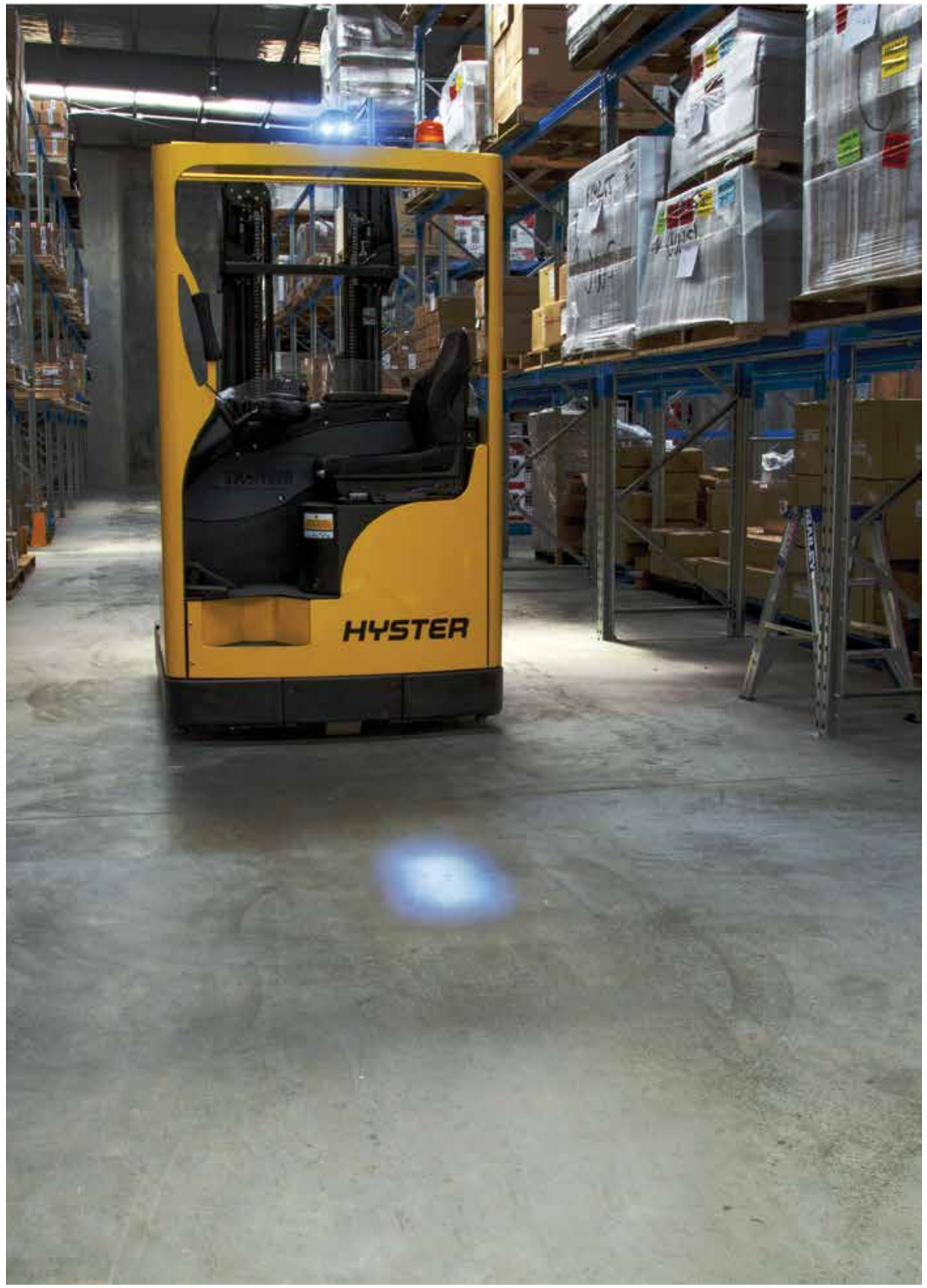
PRODUCT SPECIFICATIONS

Colour Temp:	Red or Blue	
Input Voltage:	12V - 110V	
Maximum Current Draw:	**1706441 - Red** 0.19A @ 12V DC	**1706311 - Blue** 0.50A @ 12V DC
Lens Material:	Polycarbonate	
Body Material:	Polycarbonate	
Mounting:	Universal Pedestal Mount (×1) M10-1.5 × 25mm Bolt	
Connector:	Integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)	
Wiring:	Red Wire: Positive Black Wire: Negative	
Standards:	Sealed to IP69K SAEJ1455 Tested to ECE Reg 10 (Radiated Emissions Only)	
Weight:	590 grams	
Pack Qty:	Single	









MODEL 4415

3½" ROUND SAFETY ZONE LIGHTS

Sharp Spot Beam Pattern

PART NO:	COLOUR:
0552981	Red
0552991	Blue

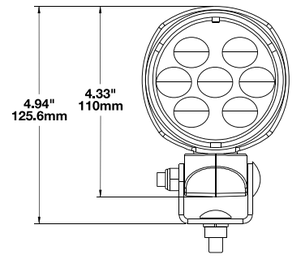
PRODUCT SPECIFICATIONS

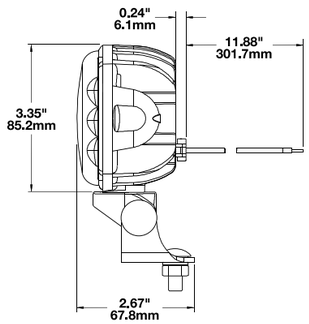
Colour Temp:	Red or Blue
Candela Output:	9,920
Input Voltage:	12V - 110V DC
Current Draw:	1.910A @ 12V DC 0.810A @ 24V DC 0.405A @ 48V DC 0.180A @ 110V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal w/ swivel bracket (×1) M8-20 × 1.25 Mounting Bolt Black ZP
Connector:	Packard# 12084167
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP67
Weight:	410 grams
Pack Qty:	Single

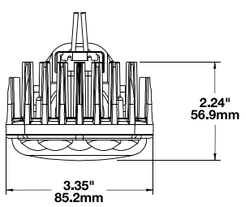
MOUNTING HEIGHT & BEAM PERFORMANCE

	Mount Height 1.2m	Mount Height 2.4m
Beam Dimensions:	ø 38cm	ø 70cm
Max Lux Red:	6740	1660
Max Lux Blue:	4040	1000

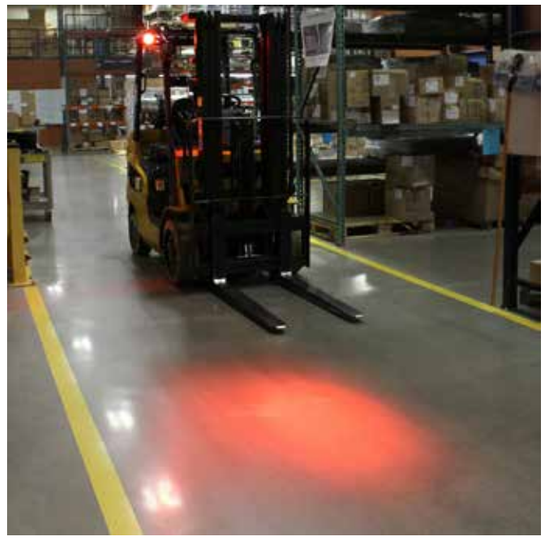








LED ZONE LIGHTING





Additional application example: Agricultural boom spray light





MODEL 793

6" × 2" RECTANGLE SAFETY ZONE LIGHTS

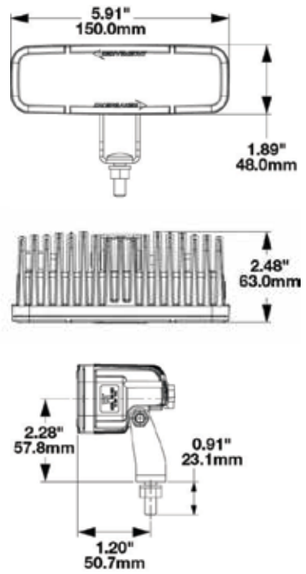
12V - 36V

PART NO:	COLOUR:
1603761	Red
1603771	Blue
1603781	Amber

48V - 110V

PART NO:	COLOUR:
1603871	Red
1603881	Blue
1603891	Amber





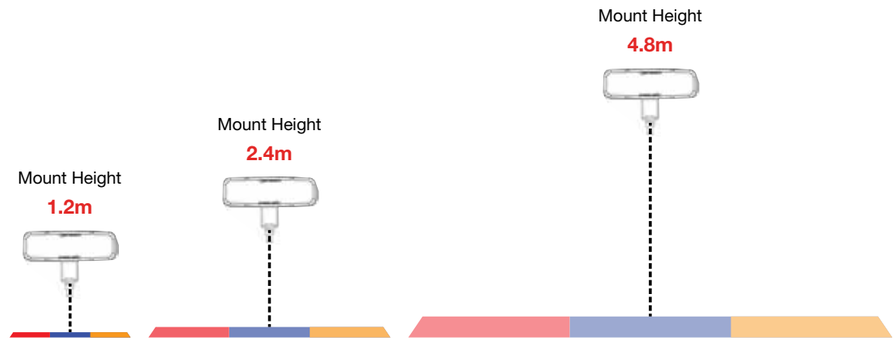
PRODUCT SPECIFICATIONS

Colour Temp:	Red or Blue	
Lumen Output:	Raw: 496 Effective: 110	
Input Voltage:	12V - 36V or 48V - 110V	
Maximum Current Draw:	**12V - 36V** 1.6A @ 12V DC	**48V - 110V** 0.35A @ 48V DC
Lens Material:	Polycarbonate	
Body Material:	Aluminium	
Mounting:	Long Pedestal Bracket (×2) 5/16-18 × 1.00" Mounting Bolt	
Connector:	Deutsch DT04-2P & Deutsch DT06-2S (Harness included with flying leads)	
Wiring:	Red Wire: Positive Black Wire: Negative	
Standards:	Sealed to IP69K, UL Recognised & Tested to ECE Reg. 10 (Radiated Emissions Only)	
Weight:	390 grams	
Pack Qty:	Single	





MOUNTING HEIGHT & BEAM PERFORMANCE



Beam Dimensions:	**3m x 13cm**	**6m x 26cm**	**12m x 52cm**
Max Lux Red & Amber:	**1120**	**490**	**110**
Max Lux Blue:	**518**	**226**	**50**



MODEL 529

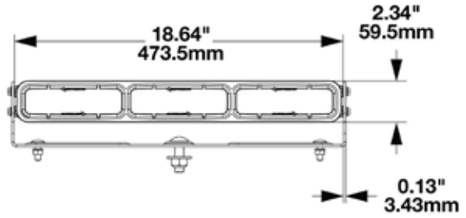
19" × 2½" RECTANGLE SAFETY ZONE LIGHTS

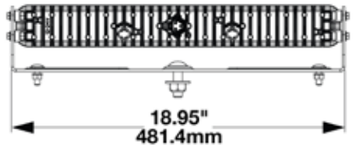


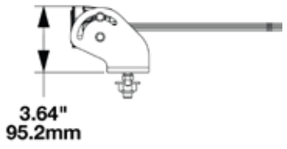
PRODUCT SPECIFICATIONS

Colour Temp:	Red, Blue or Green	
Lumen Output:	Raw: 3,350 Effective: 886	
Candela Output:	8,530	
Input Voltage:	12V - 24V DC	
Maximum Current Draw:	**Red** 3.7A @ 12V DC	**Blue** 3.9A @ 12V DC
	Green 3.3A @ 12V DC	
Lens Material:	Polycarbonate	
Body Material:	Aluminium	
Mounting:	Universal Pedestal Mount (×1) M8-1.25 × 25mm SS Carriage Bolt	
Connector:	3-pin Deutsch (DT04-3P)	
Wiring:	Yellow Wire: Continuous On White Wire: Flash On (connected to Ground) Black Wire: Ground	
Standards:	Sealed to IP69K	
Weight:	1.29kg	
Pack Qty:	Single	

PART NO:	COLOUR:
1300561	Red
1300651	Blue
1300681	Green





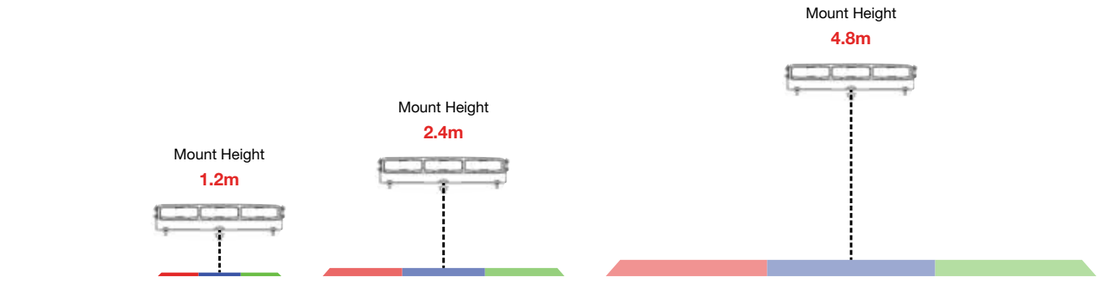








MOUNTING HEIGHT & BEAM PERFORMANCE



Beam Dimensions:	**3.5m x 10cm**	**6.85m x 23cm**	**13.9m x 46cm**
Max Lux:	**6400**	**1590**	**400**

MODEL 527

10" × 5" RECTANGLE SAFETY ZONE LIGHTS

PART NO:	COLOUR:
0549271	Red
0551271	Green
0551281	Amber
0551261	White

PRODUCT SPECIFICATIONS

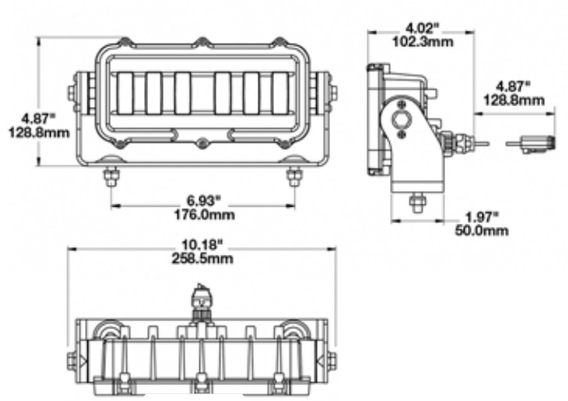
Colour Temp:	Red, Green, Amber or White	
Lumen Output:	**Red**	**Amber**
	Raw: 720	Raw: 960
	Effective: 670	Effective: 400
	Green	**White**
	Raw: 1,500	Raw: 1,500
	Effective: 590	Effective: 640
Input Voltage:	12V - 24V DC	
Maximum Current Draw:	**Red** 1.6A @ 12V DC **Green, Amber & White** 1.2A @ 12V DC	
Lens Material:	Glass	
Body Material:	Xenoy	
Mounting:	Universal Pedestal Mount (x2) M8-1.25 Mounting Bolt	
Connector:	Integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)	
Wiring:	Red Wire: Positive Black Wire: Negative	
Standards:	Sealed to IP69K	
Weight:	1.18kg	
Pack Qty:	Single	



527 Product Accessories - (Page 85)

Part No.	Description	Pack Qty
8200151	527 - Protective Rock Guard Kit	Single





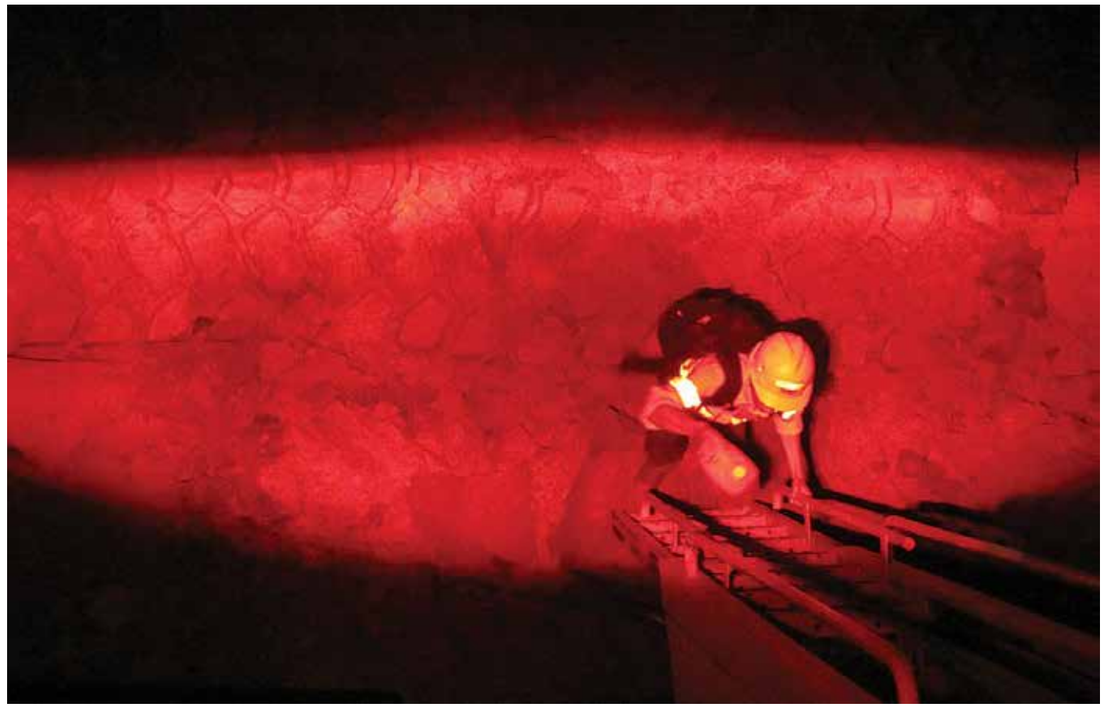




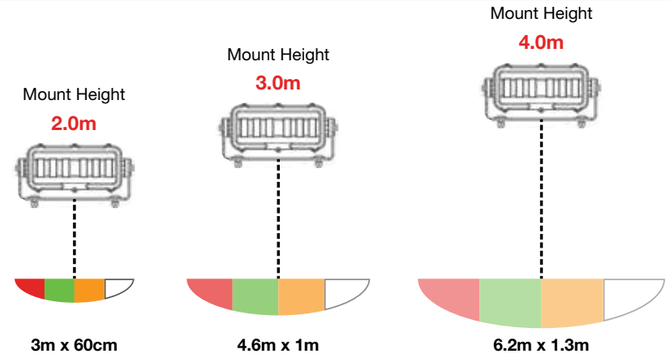








MOUNTING HEIGHT & BEAM PERFORMANCE



Beam Dimensions:	**3m x 60cm**	**4.6m x 1m**	**6.2m x 1.3m**
Max Lux:	**1789**	**795**	**447**

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MODEL 777 GEN 2

4" ROUND SAFETY ZONE LIGHTS

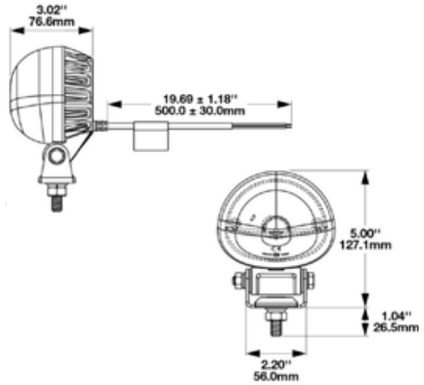
Arc Beam Pattern

PART NO:	COLOUR:
1403601	Red
1403611	Blue

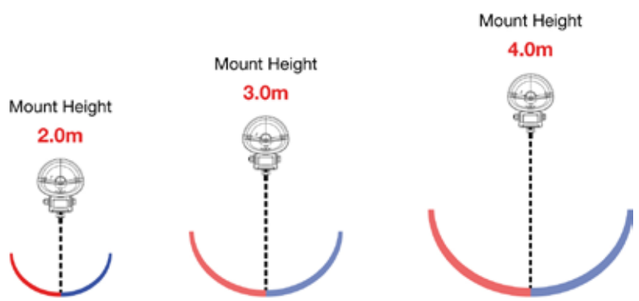


PRODUCT SPECIFICATIONS

Colour Temp:	Red or Blue
Candela Output:	3,200
Input Voltage:	12V - 72V DC
Maximum Current Draw:	**Red** 1.08A @ 12V DC **Blue** 1.09A @ 12V DC
Lens Material:	Polycarbonate
Body Material:	Die-Cast Aluminium
Mounting:	Universal Pedestal Mount M10-30mm M10 Stainless Steel Bolt
Connector:	19.5" Bare Leads (tinned)
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP67 & IP69K ECE Reg 10 (Radiated Emissions Only) CISPR 22
Weight:	680 grams
Pack Qty:	Single



MOUNTING HEIGHT & BEAM PERFORMANCE



	Mount Height 2.0m	Mount Height 3.0m	Mount Height 4.0m
Beam Radius:	ø 1.35m	ø 2.02m	ø 2.70m
Beam Thickness:	10cm	16cm	21cm
Max Lux:	800	350	200

LED ZONE LIGHTING







MODEL 560

6" × 4½" RECTANGLE SAFETY ZONE LIGHT

Universal Warning Beam Pattern

PART NO:	COLOUR:
1300661	Red

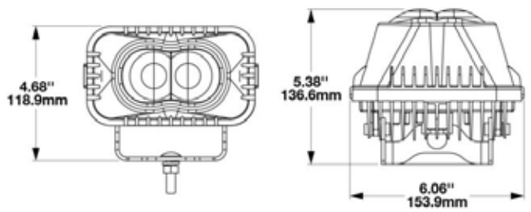






PRODUCT SPECIFICATIONS

Colour Temp:	Red
Input Voltage:	12V - 72V DC
Maximum Current Draw:	3.6A @ 12V DC (Steady On Mode)
Lens Material:	Acrylic
Body Material:	Aluminium
Mounting:	Adjustable Pedestal Mount with Single Carriage Bolt
Connector:	PE 12110293
Wiring:	Red Wire: Positive White Wire: Negative Black Wire: Mode Selection
Standards:	Sealed to IP69K
Weight:	670 grams
Pack Qty:	Single



Mode Selection:

Select desired mode by touching the ***BLACK*** wire to ***RED*** wire for 1-2 seconds. The light's mode will switch to next state per the below table. Once the desired state is set, the ***BLACK*** wire can be removed or capped off. The lamp will remain in selected mode.

Modes:

Mode 0: Outer LED: Steady On	Inner LED: Steady On
Mode 1: Outer LED: Flash 60 per min (1Hz)	Inner LED: Flash 60 per min (1Hz)
Mode 2: Outer LED: Triple flash 60 per min (1Hz),	Inner LED: Triple flash 60 per min (1Hz)
Mode 3: Outer LED: Flash 60 per min (1Hz),	Inner LED: Triple flash 60 per min (1Hz)
Mode 4: Outer LED: Flash 200 per min (2Hz),	Inner LED: Flash 200 per min (2Hz)
Mode 5: Outer LED: Flash 60 per min (1Hz),	Inner LED: Steady On

LED ZONE LIGHTING





MODEL 406

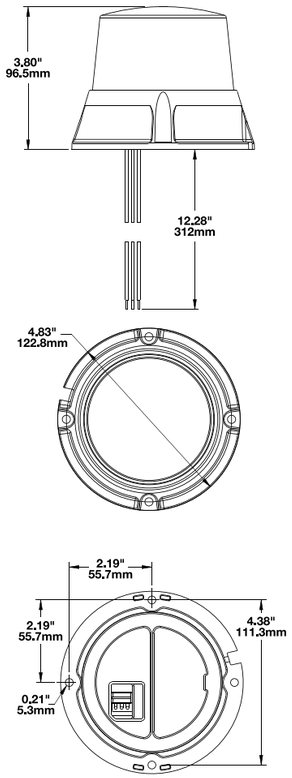
5" ROUND STROBE LIGHTS - CLASS 2

PART NO:	COLOUR:
0646501	Amber
0646541	Red



PRODUCT SPECIFICATIONS

Colour Temp:	Amber & Red
Candela Output:	280
Input Voltage:	12V - 80V DC
Current Draw:	0.345A @ 12V DC 0.225A @ 24V DC 0.163A @ 36V DC 0.131A @ 48V DC 0.100A @ 72V DC
Lens Material:	Polycarbonate
Body Material:	Polycarbonate
Mounting:	Four Point Mount with (×4) #8-16 × 3/4 Screw or Pole Mount **(8200213)**
Connector:	12" Leads
Wiring:	Red Wire: Positive Black Wire: Negative Yellow Wire: Mode Change
Modes:	1: Beacon 2: Quadruple 480 3: Fast 540 4: Double 240 5: Burst 300 6: Steady Flash 60
Standards:	Sealed to IP69K SAEJ845 ECE Reg 10
Weight:	590 grams
Pack Qty:	Single







406 & 407
Pole Mount Accessory

MODEL 407

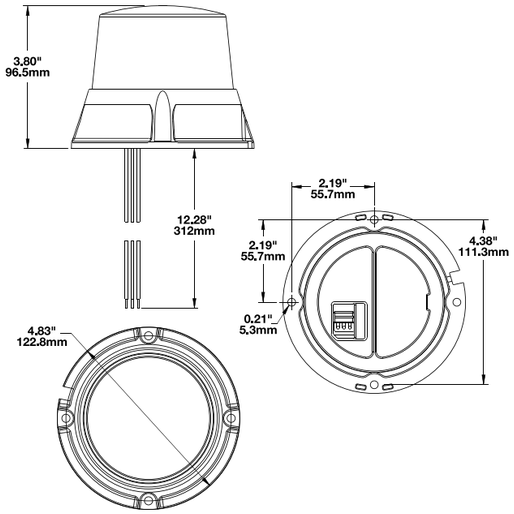
5" ROUND STROBE LIGHTS - CLASS 1

PART NO:	COLOUR:
0646491	Amber
0646551	Blue
0646561	Red
0646571	Green



PRODUCT SPECIFICATIONS

Colour Temp:	Amber, Blue, Red & Green
Candela Output:	560
Input Voltage:	12V - 80V DC
Current Draw:	0.915A @ 12V DC 0.500A @ 24V DC 0.340A @ 36V DC 0.265A @ 48V DC 0.190A @ 72V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Four Point Mount with (×4) #8-16 × 3/4 Screw or Pole Mount **(8200213)**
Connector:	12" Leads
Wiring:	Red Wire: Positive Black Wire: Negative Yellow Wire: Mode Change
Modes:	1: Beacon 2: Quadruple 480 3: Fast 540 4: Double 240 5: Burst 300 6: Steady Flash 60
Standards:	Sealed to IP69K SAEJ845 ECE Reg 10 & 65
Weight:	880 grams
Pack Qty:	Single





406 & 407
Pole Mount Accessory



MODEL 210

147mm × 136mm
SOLAR FLASHER & WARNING LIGHTS

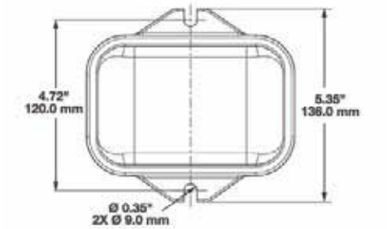
SOLAR POWERED

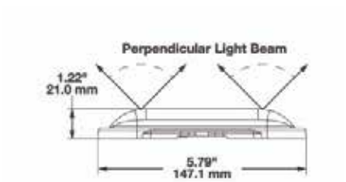
PART NO:	COLOUR:
0647031	Amber
0647041	Red



PRODUCT SPECIFICATIONS

Colour Temp:	Amber or Red
Candela Output:	11
Battery Run:	120 hours
Battery Charge:	6 hours
Lens Material:	Acrylic
Body Material:	Polycarbonate
Standards:	Sealed to IP69K
Weight:	180 grams
Pack Qty:	Single









CLICK BOND



210 Mounting Options

Part No.	Description	Pack Qty
8200491	210 Clickbond Mounting Kit M8-15mm	Single

MODEL 6048

5" × 2" AUXILIARY WARNING LIGHT

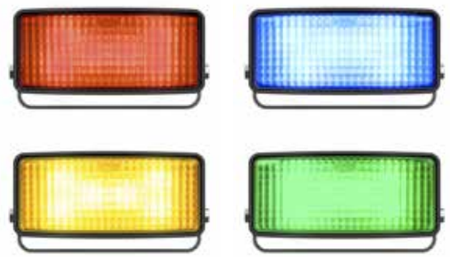
4 COLOUR - RED | BLUE | AMBER | GREEN

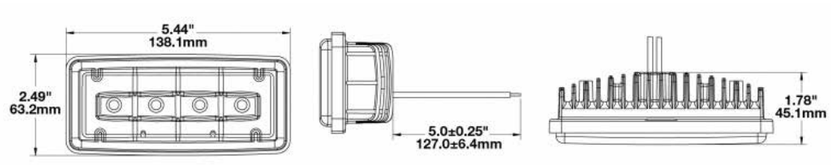
PART NO:
0647101



PRODUCT SPECIFICATIONS

Colour Temp:	Red, Blue, Amber & Green
Input Voltage:	12V - 24V DC
Current Draw:	0.60A @ 12V DC 0.30A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount
Connector:	3" Cable with Integrated Connector
Wiring / Modes:	Black Wire: Negative / Ground Red Wire: Red Mode Blue Wire: Blue Mode Yellow Wire: Amber Mode Green Wire: Green Mode White Wire: Blue Mode
Standards:	Sealed to IP69K
Weight:	270 grams
Pack Qty:	Single















For further details about the J.W. Speaker range contact Invision Sales.

Invision Sales are the Asia Pacific distributors for J.W. Speaker Corporation.

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