



Portable hazardous area work light & floodlight system  
- Rechargeable battery powered -  
- Developed for inspection and maintenance purposes - Ideally suited to service internal & external tasks in the oil & gas, petro-chemical, marine, & heavy industry sectors

10W power class - Impact, ingress, & corrosion resistant fitting - >125lm/W family efficacy  
- Wide-dispersion, general purpose optics  
- Adjustable, stainless steel floor stand & magnetised, surface mounting systems available

#### Product marking summary

Ex II 2 G D  
Ex db IIC T\* Gb  
Ex tb IIIC T\* Db

CE, RoHS, ATEX  
international product marks

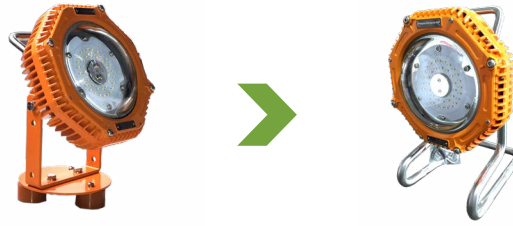


## *Sinclair 2 Series* **Explosion Proof, Battery Powered, Work Lights, Floodlights, & Task Lights**

\*Product/temperature dependent - contact office for details

CDN:SPEC136REV6

## Technical Specifications Summary



### Performance Summary:

Code (Series-Wattage/Size)	SIN2-10
Nominal Power	10W
Luminaire Efficacy @ CRI>80, 5700K CCT	126lm/W
Lumen Output @ CRI>80, 5700K CCT	1,260lm
Chip Lumen Maintenance (TM21 Reported)	L80B10 ≥50,000 hours @ 25°C Ambient
Chip Lumen Maintenance (TM21 Calculated)	L80B10 ≥76,685 hours @ 25°C Ambient
Certification	CE, RoHS, ATEX
Product Warranty	3 Years

### Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Osram Duris S5
Chip Efficacy @ CRI>70, 5000K CCT	151lm/W
Light Emission	Direct
CCT	5700K, (3000K, 4000K, 5000K optional)
CRI	≥80
Diffusers	Clear
Symmetric Light Distribution	120°

### Electrical Parameters<sup>1</sup>:

System Operating Power	10W
Input Voltage (battery charger)	100-277VAC
Input Frequency (battery charger)	50-60Hz
Power Factor (battery charger)	>0.98
THD (battery charger)	<10% (100VAC-277VAC)
Running Time (from full charge)	10 hours
Charging Time (from full discharge)	7 hours
Lifespan (charge cycles)	500
Insulation Class	III

### Environmental Parameters:

IP Rating	IP66
IK Rating <sup>1</sup>	IK10/IK08 or IK10/IK10
Ambient Usage Tolerance	-20°C to 55°C
Ambient Storage Tolerance	-20°C to 55°C
Ambient Humidity Tolerance	0% to 90% RH

### Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm)	210 x 182 x 282
Qty of LED Chips	39
Electrical Connection	Battery charger supplied with UK 3-pin plug (Europlug, US Plug optional)
Fixture Weight <sup>2</sup>	5.3kg
Fixture Primary Material(s)	ADC12 Aluminium Alloy (1.5-3.5% Copper) and 316 Stainless Steel Fixings
Fixture Finish	Epoxy Powder Coated
Lens(es) Materials	Tempered Glass
Protection Method	Flame Proof

<sup>1</sup> (Format: "IK Rating: Housing" / "IK Rating: Front Face") – IK10 if fitted with wire guard accessory

<sup>2</sup> Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

## Technical Specifications Summary

Code (Series-Wattage/Size)	SIN2-10
<b>Options/Accessories:</b>	
Mounting Styles	Floor Stand, Magnetic Stand
Miscellaneous Accessories	Wire Grill
Available Product Colours	Orange (RAL2011)

Certifications			
Division	ATEX Zone 1 & 21 and 2 & 22		
Product Marking	Ex II 2 G D Ex db IICT* Gb Ex tb IICT* Db *for further information please see temperate table		
Temperature Table			
Product	Rated Power (Watts)	Temperature Class	
		-20°C to 55°C (Ta)	
		Gas	Dust
Stirling Series	10W	T6	T80°C
Certificate Number			
ATEX	EPT 18 ATEX 2977 X issue 2		
IECEX	IECEX CQM 15.0039X		

All stated values should be considered indicative only. Technical data is provided from sample luminaires and construction components as assessed by OEM(s) under industry-standard, laboratory conditions. In practice, stated values can vary. Kellwood Lighting operates a policy of continual product improvement. Our luminaires' capabilities are regularly enhanced to outperform in-class market alternatives. Please contact our technical team directly for clarifications prior to purchase. All images depicted should be considered indicative only. Stated product warranty periods do not include associated labour costs. Stated product warranty periods are for UK projects only. For international projects, please contact our offices directly. Optional upgrades can often affect or supersede unit technical parameters, capabilities, and warranties. It is the responsibility of the purchasing authority to ensure selected hardware is suitable for application. For further documentation, including Returns Policy and Conditions of Unit Failure, please contact our offices. Hazardous area documentation (eg. ATEX) are issued to OEM codes. WEEE compliance reference code: WEE/MP3838PR/SCH. Please do not look directly at LED lighting products during operation.

This datasheet & corresponding certification should be reviewed by a competent person to ensure project suitability.

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## Features Summary



### Mounting Options

Floor Stand, Magnetic Stand



### Mounting System Details

Magnetic Stand attaches securely to ferrous materials >3mm thick



### Environmental Protection

IP66, aluminium chassis c/w corrosion-resistant powder coat - Salt spray testing reports available - 316 stainless steel exposed fixtures



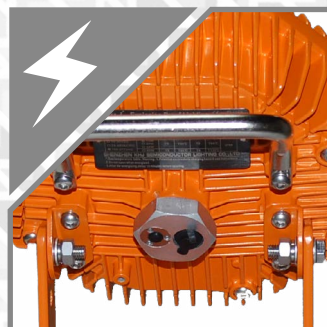
### Impact Protection

IK10 body, IK08 tempered glass front-face - IK10, front-face Wire Guard accessory available



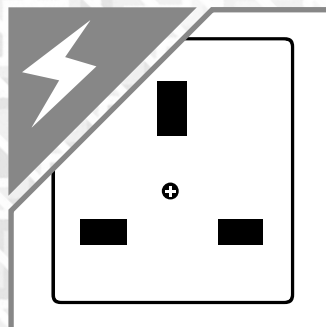
### High Power Density

Lithium Ion Battery provides 10 hour run time



### Battery Charger Connection

Sealed and protected when in use



### Charger Plug Type

Available in UK 3-pin plug, Euro-plug, US plug for battery charger

## Executive Standards

- IEC 60079-0:2011
- IEC 60079-1:2007-04
- IEC 60079-31:2008
- EN 60079-0:2012 + A11:2013
- EN 60079-1:2014
- EN 60079-28:2015
- EN 60079-31:2014
- EN 60598-2-5:1998
- EN 60598-1:2008+A11:2009
- EN 55015:2006 + A1:2009 + A2:2009
- IEC 62321:2008

## Division

- ATEX Zone 1 & 21 and 2 & 22

## Certifications & Ratings

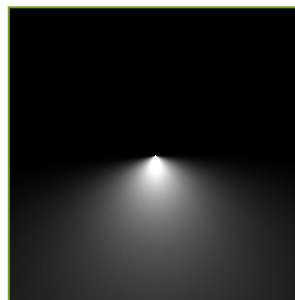
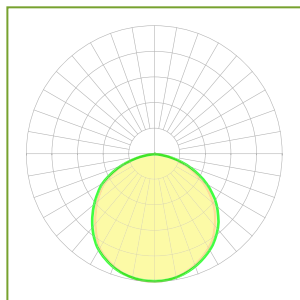
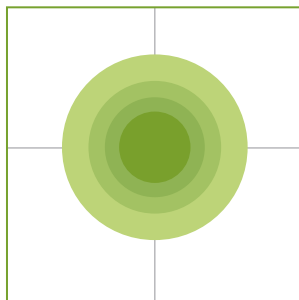
- ATEX Compliant
- ABS Compliant
- CE Compliant
- RoHS Compliant
- IP66 Rated



Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

## ◀ Indicative Product Photometry

120° Circular ▶



Colourations on isolux diagrams are qualitative, i.e. the same colour on any two isolux diagrams will not necessarily have the same lux value.

## ◀ Floor Stand Mount





Standard product code fields are presented as:  
Further customisation may be available - please contact us if required



## Product Ordering Codes

PRODUCT	POWER	CRI & CCT	OPTIC	DRIVER	MOUNTING	COLOUR	CONFIGURABLE OPTIONS
<b>SIN2</b>	<b>10</b> 10W	<b>830</b> CRI >80, 3000K	<b>120</b> 120° CIRCULAR	<b>B1</b> BATTERY 18VDC	<b>FS</b> FLOOR STAND (304 STAINLESS STEEL)	<b>OR</b> ORANGE	<b>WG</b> WIRE GRILL
		<b>840</b> CRI >80, 4000K					
		<b>850</b> CRI >80, 5000K					
		<b>857</b> CRI >80, 5700K					
					<b>MS</b> MAGNETIC STAND		

Product Ordering Code Examples:

*SIN2-10-857-120-B1-FS-OR*

*SIN2-10-850-120-B1-MS-OR-WG*

## BRACKETS &amp; ACCESSORIES

CODE	DESCRIPTION
<b>SIN2-FS</b>	FLOOR STAND FOR SINCLAIR 2 SERIES
<b>SIN2-MS</b>	MAGNETIC STAND FOR SINCLAIR 2 SERIES
<b>SIN2-WG</b>	WIRE GRILL FOR SINCLAIR 2 SERIES

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

## GENERAL NOTES:

1. IF MORE THAN ONE MODIFICATION IS REQUIRED, SEPARATE EACH MODIFICATION WITH A HYPHEN AT THE END OF THE PRODUCT CODE
2. PLEASE ENSURE SELECTION OF COMPATIBLE DRIVER FOR OCCUPANCY SENSORS WITH DIMMING FUNCTIONALITY
3. PLEASE NOTE THAT MODIFICATIONS WHICH AFFECT LIGHT OUTPUT HAVE SEPARATE PHOTOMETRIC FILES IDENTIFIED WITH "...+(MODIFICATION)"
4. ALTERNATIVE DRIVERS MAY BE AVAILABLE - PLEASE CONTACT OUR OFFICE FOR FURTHER DETAILS
5. IF PRODUCT IS CUSTOMISED, CODES WILL BE ALTERED AS NECESSARY - HAZARDOUS AREA CERTIFIED PRODUCT MODIFICATIONS ARE TYPICALLY LIMITED TO BRACKETRY (TO ENSURE COMPLIANCE WITH CERTIFICATION)
6. HAZARDOUS AREA CERTIFIED PRODUCTS ARE LISTED USING KELLWOOD'S STANDARD ORDERING CODE TEMPLATE FOR MARKETING PURPOSES. PRODUCTS WILL BE SUPPLIED WITH OEM NAMEPLATES, CODES & DOCUMENTATION CORRESPONDING TO PRODUCT CERTIFICATION

