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
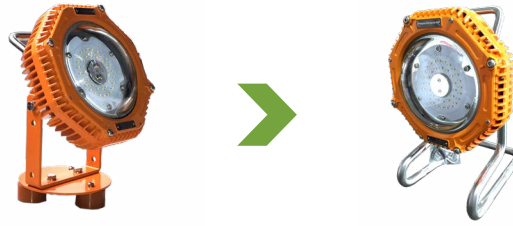Ex tb IIIC T* Db

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℃ Ambient
Chip Lumen Maintenance (TM21 Calculated)	L80B10 ≥76,685 hours @ 25℃ 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 Emmission	Direct
CCT	5700K, (3000K, 4000K, 5000K optional)
CRI	≥80
Diffusers	Clear
Symmetric Light Distribution	120°

Electrical Parameters[1]:	
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[1]	IK10/IK08 or IK10/IK10
Ambient Usage Tolerance	-20℃ to 55℃
Ambient Storage Tolerance	-20℃ to 55℃
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[2]	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

[1] (Format: "IK Rating: Housing" / "IK Rating: Front Face") – IK10 if fitted with wire guard accessory
[2] Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

Technical Specifications Summary

Code (Series-Wattage/Size)	SIN2-10
Options/Accessories:	
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 IIC T* Gb** **Ex tb IIIC T* 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**

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
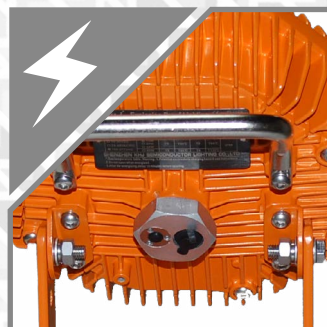
Impact Protection

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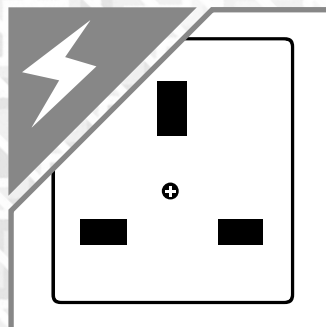
High Power Density

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
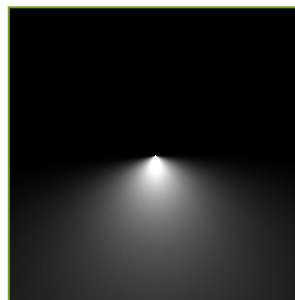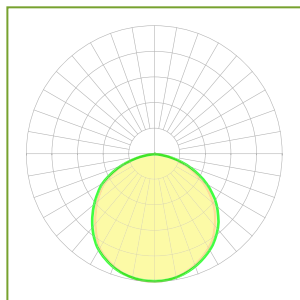
Certifications & Ratings

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

Indicative Product Photometry

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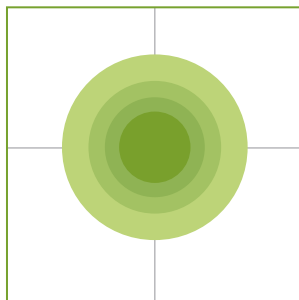
Colourations on isolux diagrams are qualitative, i.e. the same colour on any two isolux diagrams will not necessarily have the same lux value.

Floor Stand Mount

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

CODE
Description

740
CRI>70, 4000K

Product Ordering Codes

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

Product Ordering Code Examples:
SIN2-10-857-120-B1-FS-OR
SIN2-10-850-120-B1-MS-OR-WG

BRACKETS & ACCESSORIES	
CODE	**DESCRIPTION**
SIN2-FS	FLOOR STAND FOR SINCLAIR 2 SERIES
SIN2-MS	MAGNETIC STAND FOR SINCLAIR 2 SERIES
SIN2-WG	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