



Advanced, corrosion-resistant, food-grade, linear light fittings - Developed for application throughout hygienic factories & warehouses, food preparation & production areas, laboratories, cold stores, & the wider service industry

20W-50W series power range -
2ft, 4ft & 5ft - Impact, ingress, & corrosion, resistant chassis -
>140lm/W family efficacy - Wide dispersion, general-purpose optics c/w commercial-grade colour rendering capabilities - Minimised moisture build-up design

CE & RoHS



Crawford Series

Linear Temperature Resistant Luminaire

CDN:SPEC205REV1

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	CRA-20B	CRA-40D	CRA-50A
Nominal Power	20W	40W	50W
Luminaire Efficacy @ CRI>80, 4000K CCT	141lm/W	146lm/W	148lm/W
Lumen Output @ CRI>80, 4000K CCT	2,820lm	5,840lm	7,400lm
Chip Lumen Maintenance (TM21 Reported)	L70B50 ≥54,000 hours @ Ta 25°C		
Certification	CE, RoHs		
Product Warranty	5 Years		

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Smalite 2835
Light Emission	Direct
CCT	4000K, (3000K, 5000K optional)
CRI	≥80Ra, (≥70Ra, ≥90Ra optional)
Diffusers	Frosted (Polycarbonate or PMMA Diffuser), Clear (Polycarbonate or PMMA Diffuser)
Symmetric Light Distribution ¹	120° (60°, 90° optional)
Typical UGR	<16

Electrical Parameters:

System Operating Power	20W	40W	50A
Driver Brand	Philips		
Driver Model	Xitanium 75W		
Input Voltage	220-240VAC		
Input Frequency	50-60Hz		
Qty of Drivers per Light	1		
Max Qty Wired In Series (1mm ² Cable)	56	28	25
Power Factor	>0.9		

Environmental Parameters:

IP Rating	IP69K (PMMA), IP66 (PC, PMMA, Tempered Glass)
IK Rating	IK10 (PC) / IK06 (PMMA, Tempered Glass)
Ambient Usage Tolerance	-30°C to 40°C
Ambient Storage Tolerance	-30°C to 40°C



Technical Specifications Summary

Code (Series-Wattage/Size)	CRA-20B	CRA-40D	CRA-50A
Physical/Mechanical Parameters:			
Product Dimensions: LxØ (mm)	600 x 84	1128 x 76	1390 x 76
Electrical Connection	Terminal Block		
Fixture Weight³	1.10kg	1.62kg	1.96kg
Fixture Primary Material(s)	Polycarbonate or PMMA external housing with internal aluminium alloy structure and 316 stainless steel end caps		
Lens(es) Materials	UV Stabilised Polycarbonate, PMMA, Tempered Glass		
Dimming/Controls Parameters:			
Dimming Options	1-10V, DALI		
Compatible intelligent lighting systems	Wireless Controls and Monitoring		
Options/Accessories:			
Mounting Styles	Cable Suspension, Twin Surface Mount Brackets		
Miscellaneous Accessories	Linkable Variant		

¹ 60°, 90° beam angle only available with clear PMMA or PC housing

² Electrical Parameter data is for D1 drivers, unless otherwise stated

³ Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

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



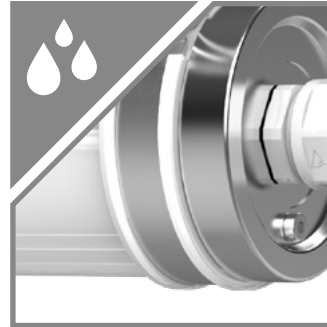
Mounting Options

Surface mount brackets, cable suspension - Mounting systems constructed from 316 stainless steel



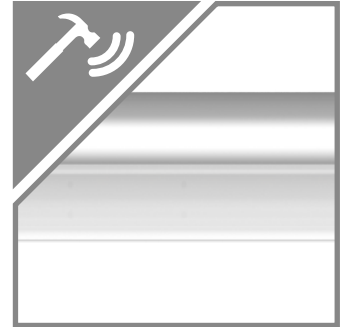
Dust Resistance

Hydrophobic & seamless cylindrical design prevents dirt & dust build up



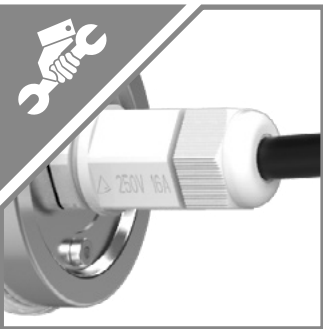
Environmental Protection

IP69K rated, 316 stainless steel exposed fixtures



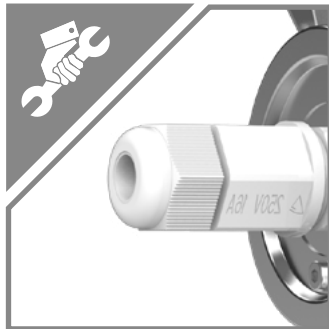
Impact Protection

IK10 rated (Polycarbonate Diffuser), IK06 rated (PMMA Diffuser)



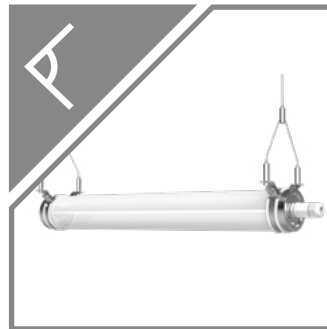
Cable Entry

Wire-in quick connector, gland cable



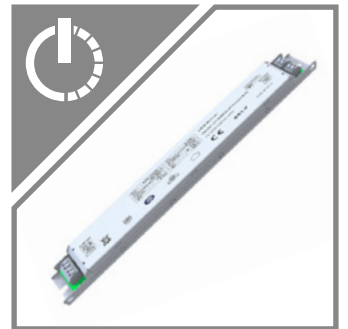
Application

Parallel, Series installation (daisy-chain up to 56 20W units)



Distribution

General purpose symmetrical dispersion pattern suitable for most applications



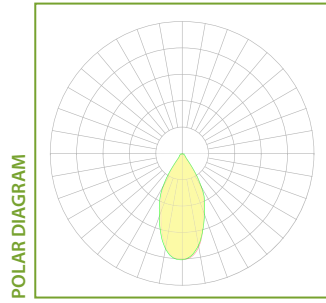
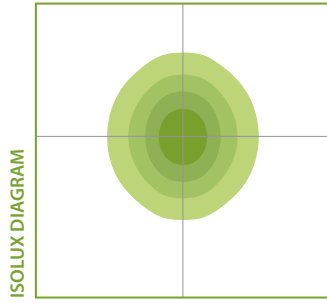
Driver Protocols

Non-dimming, 1-10V, DALI

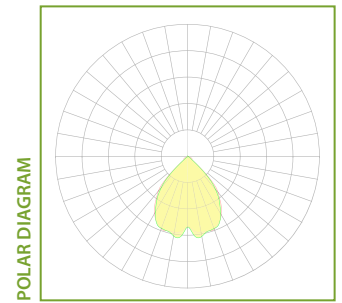
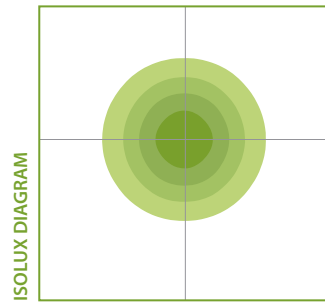
Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

Indicative Product Photometry

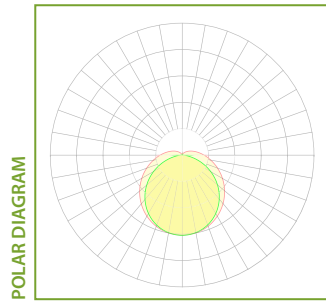
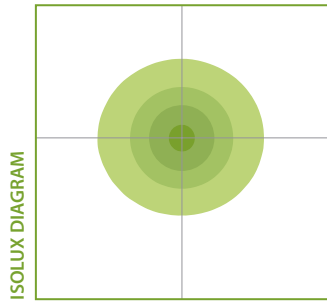
60° Optic



90° Optic



120° Optic



Diffusers

This series is available with the following diffusers. Each diffuser will have a varying effect on photometric distribution and intensity. Please refer to downloadable photometrics for exact data.



Frosted Diffuser



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	MATERIAL	CONFIGURABLE OPTIONS
CRA	20B 20W 600mm	730 CRI >70, 3000K	FR FROSTED DIFFUSER	D1 NON-DIM	CS CABLE SUSPENSION	PC POLYCARBONATE DIFFUSER	LI LINKABLE VARIANT
	40D 40W 1128mm	740 CRI >70, 4000K	CL CLEAR DIFFUSER	D2 1-10V	TM TWIN SURFACE MOUNT BRACKETS	PM PMMA DIFFUSER	
	50A 50W 1390mm	750 CRI >70, 5000K	60¹ CLEAR DIFFUSER	D3 DALI		TG TEMPERED GLASS DIFFUSER	
		830 CRI >80, 3000K	90¹ CLEAR DIFFUSER				
		840 CRI >80, 4000K	120 CLEAR DIFFUSER				
		850 CRI >80, 5000K					
		930 CRI >90, 3000K					
		940 CRI >90, 4000K					
		950 CRI >90, 5000K					

¹ Only available with PMMA and PC diffuser

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

Product Ordering Code Examples:

CRA-20B-850-FR-D1-TM-PC

CRA-50A-940-CL-D3-CS-PM-LI

DRIVER MANUFACTURER			
POWER	D1	D2	D3
20B 20W 600mm	Philip	Lifud	Lifud
40D 40W 1128mm	Philip	Lifud	Lifud
50A 50W 1390mm	Philip	Lifud	Lifud

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

