

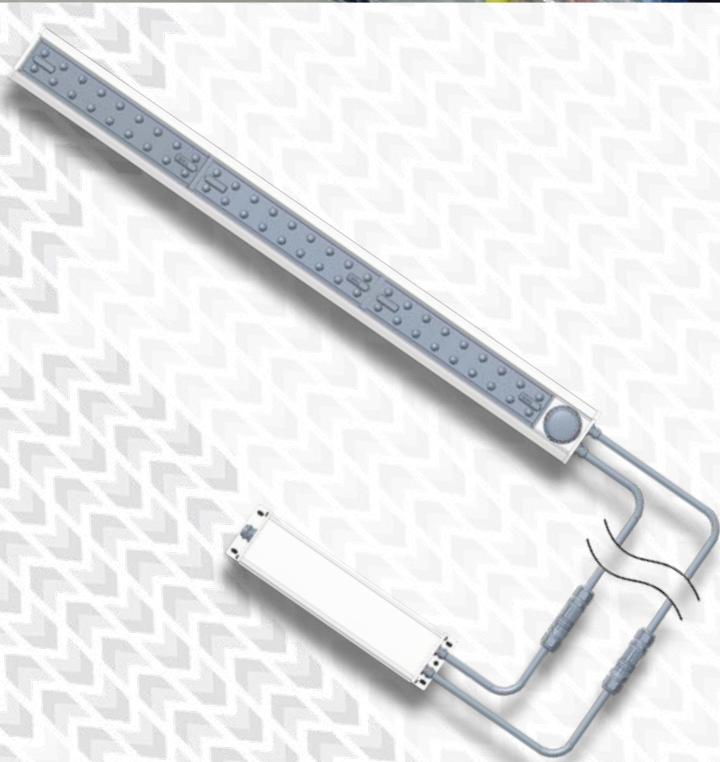
Industrial freezers and cold stores need lighting that ensures safety while reducing energy use and operating costs. The IP65-rated Drummond Series Freezer Light is built for this purpose, operating in temperatures as low as  $-40^{\circ}\text{C}$  (or  $-35^{\circ}\text{C}$  with the sensor version).

A remote gear pack is supplied as standard. Housing the driver and emergency accessories, it is installed above the freezer to minimise heat generation within the chilled environment and simplify maintenance.

CE, RoHS, CB, UL, & DLC,  
international product marks

## ***Drummond 5 Series***

# ***Cold Store and Freezer Light***



CDNSPEC251REV0

# Technical Specifications Summary



## Performance Summary:

Code (Series-Wattage/Size)	DRU5-40	DRU5-80	DRU5-115	DRU5-155
Nominal Power	40W	80W	120W	160W
System Operating Power	40W	80W	115W	155W
Luminaire Efficacy @ CRI>70, 5000K CCT	147lm/W	147lm/W	150lm/W	151lm/W
Lumen Output @ CRI>70,5000K CCT	5,880lm	11,760lm	17,250lm	23,405lm
Lumen Maintenance (TM21 Calculated)	L70B10 ≥100,000 Hours			
Certification	CE, RoHS, CB, UL, DLC			
Product Warranty	10 Year, (5 Years Emergency)			

## Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Nichia 3535 NVSW219FT
Light Emission	Direct
CCT	5000K, (4000K optional)
CRI	≥70Ra,( ≥80Ra, ≥90Ra optional)
Diffusers	Clear
Symmetric Light Distribution	10°, 20°, 40°, 60°, 90°, 120°, 150°
Asymmetric Light Distribution	IESNA Type 1S, 4S
Optical Accessories	Backspill Guard

## Electrical Parameters:

System Operating Power	40W	80W	120W	160W
Driver Brand	Inventronics			
Driver Model	EUM075		EUM150	
Input Voltage	100-277VAC			
Input Frequency	50-60Hz			
Qty of Drivers per Light	1			
Power Factor	>0.9			
THD	<20%			
Insulation Class	Class I			
Surge Protection/Fusing	10kA			

## Environmental Parameters:

IP Rating	IP66
IK Rating	IK10
Ambient Usage Tolerance	-40°C to 50°C
Ambient Storage Tolerance	-40°C to 50°C

## Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm)	287 x 82 x 71	560 x 82 x 71	834 x 82 x 71	1107 x 82 x 71
Qty of Modules	1	2	3	4
Electrical Connection	800mm Cable			
Fixture Weight <sup>2</sup>	1.6kg	2.3kg	2.9kg	3.7kg
Fixture Primary Material(s)	Aluminium Alloy			
Fixture Finish	AzkoNobel Powder Coated (Marine-Grade Available)			
Lens(es) Materials	UV Stabilised Polycarbonate			



# ◀ Technical Specifications Summary

Code (Series-Wattage/Size)	DRU5-40	DRU5-80	DRU5-115	DRU5-155
Dimming/Controls Parameters:				
Dimming Options	0-10V, DALI			
Compatible intelligent lighting systems	Wireless Controls and Monitoring			
Options/Accessories:				
Mounting Styles	Twin Surface Mount Brackets, Cable Suspension			
Miscellaneous Accessories	Linkable Variant, Emergency Pack			
Available Product Colours	Grey (RAL 7004), Black (RAL 9011), White			

<sup>1</sup> Electrical Parameter data is for D1 drivers, unless otherwise stated  
<sup>2</sup> 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. 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.

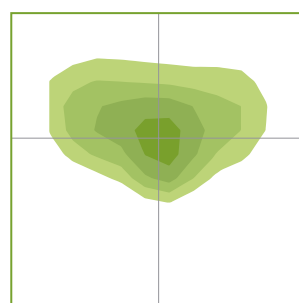
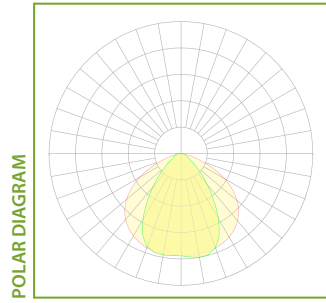
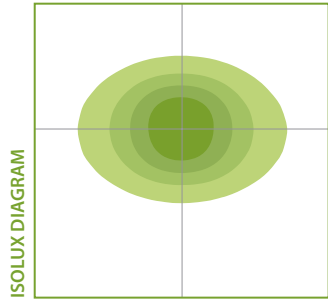
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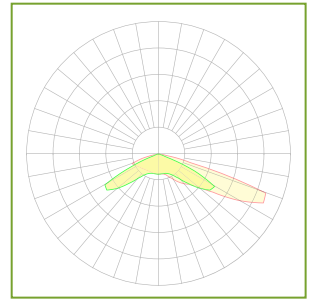
Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

## Indicative Product Photometry

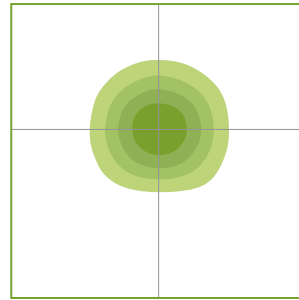
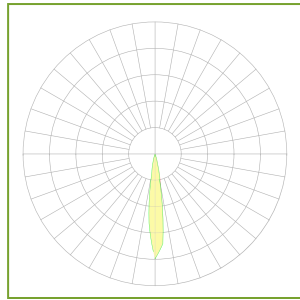
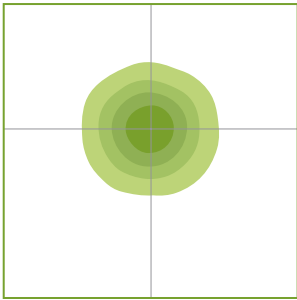
IESNA Type 1 Short ▶▶



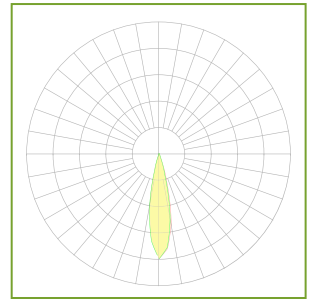
◀◀ IESNA Type 4 Short



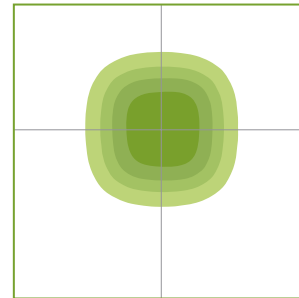
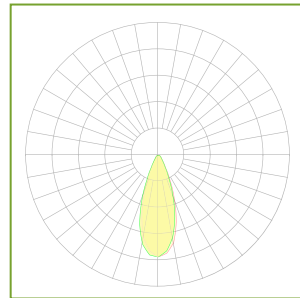
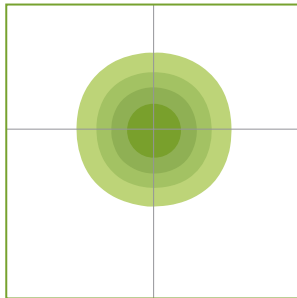
10° Optic ▶▶



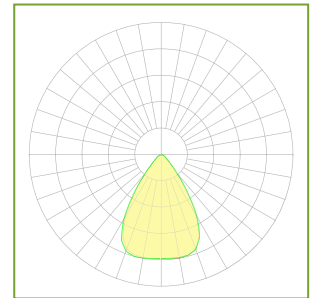
◀◀ 20° Optic



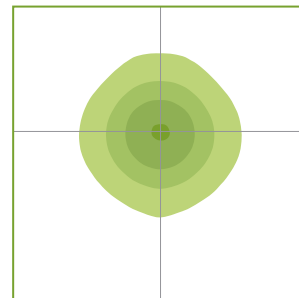
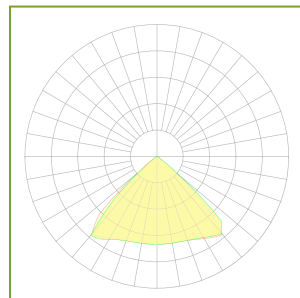
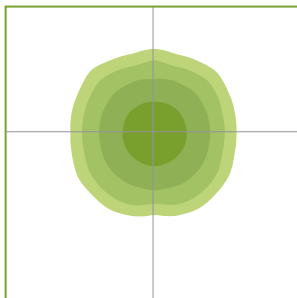
40° Optic ▶▶



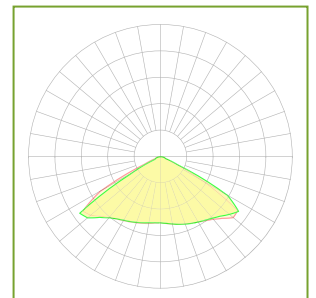
◀◀ 60° Optic



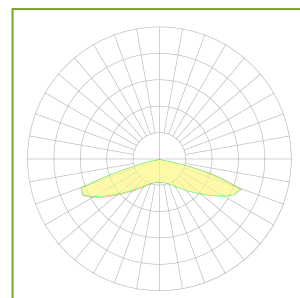
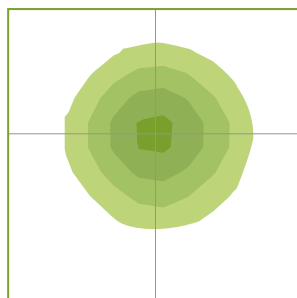
90° Optic ▶▶



◀◀ 120° Optic



150° Optic ▶▶



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



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	MODIFICATIONS
DRU5	<b>40</b> 40W	<b>740</b> CRI >70, 4000K	<b>1S</b> IESNA TYPE I SHORT	<b>D1</b> NON-DIM	<b>TM</b> TWIN SURFACE MOUNT BRACKETS	<b>GR</b> GREY	<b>E3R1A</b> INTEGRATED 3 HOUR MAINTAINED EMERGENCY (REMOTE TEST)
	<b>80</b> 80W	<b>750</b> CRI >70, 5000K	<b>4S</b> IESNA TYPE IV SHORT	<b>D2</b> 0-10V	<b>CS</b> CABLE SUSPENSION	<b>BL</b> BLACK	<b>M1</b> MICROWAVE SENSOR
	<b>115</b> 115W	<b>840</b> CRI >80, 4000K	<b>10</b> 10" CIRCULAR	<b>D3</b> DALI		<b>WH</b> WHITE	<b>RD</b> REMOTE DRIVER
	<b>155</b> 155W	<b>850</b> CRI >80, 5000K	<b>20</b> 20" CIRCULAR			<b>GR2<sup>1</sup></b> GREY - MARINE GRADE	
		<b>940</b> CRI >90, 4000K	<b>40</b> 40" CIRCULAR			<b>BL2<sup>1</sup></b> BLACK - MARINE GRADE	
		<b>950</b> CRI >90, 5000K	<b>60</b> 60" CIRCULAR			<b>WH2<sup>1</sup></b> WHITE - MARINE GRADE	
			<b>90</b> 90" CIRCULAR				
			<b>120</b> 120" CIRCULAR				
			<b>150</b> 150" CIRCULAR				

<sup>1</sup> Upgraded AkzoNobel polyester powder coat for increased salt corrosion resistance.

### 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:

**DRU5-40-750-90-D1-TM-GR**

**DRU5-155-850-120-D3-TM-BL-E3R1A**

DRIVER MANUFACTURER			
POWER	D1	D2	D3
<b>40</b> 40W	<b>Inventronics</b>	<b>Inventronics</b>	<b>Inventronics</b>
<b>80</b> 80W	<b>Inventronics</b>	<b>Inventronics</b>	<b>Inventronics</b>
<b>115</b> 115W	<b>Inventronics</b>	<b>Inventronics</b>	<b>Inventronics</b>
<b>155</b> 155W	<b>Inventronics</b>	<b>Inventronics</b>	<b>Inventronics</b>

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

