



High-output, industrial,
& commercial, linear fittings
developed for world-class facilities

>10 optical configurations &
low-glare diffusers available -
3 hour emergency option,
intelligent control methods,
& varied installation styles

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

The most competitive, high-end
solution for projects worldwide



Drummond 3 Series *Premium Linear Luminaires*

CDNSPEC145REV11

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	DRU3-30	DRU3-60	DRU3-90	DRU3-110
Nominal Power	30W	60W	90W	120W
Luminaire Efficacy @ CRI>70, 5000K CCT	129lm/W	129lm/W	132lm/W	138lm/W
Lumen Output @ CRI>70,5000K CCT	3,870lm	7,740lm	11,880lm	15,180lm
Lumen Maintenance (TM21 Reported)	L90B10 ≥60,000 Hours @Tj 80°C, 25°C Ambient			
Lumen Maintenance (TM21 Calculated)	L80B10 ≥100,000 Hours @Tj 80°C, 25°C Ambient			
Certification	CE, RoHS, CB, UL, DLC			
Product Warranty	5 Year, (3 Years Emergency)			

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Nichia 3535 NVSL219C
Chip Efficacy @ CRI>70, 5000K CCT	174lm/W @ 350mA @25°C
Light Emission	Direct
CCT	5000K, (3000K, 4000K, 5700K optional)
CRI	≥70Ra, (≥80Ra, ≥85Ra optional)
SDCM	≤5
Diffusers	Clear, Frosted
Symmetric Light Distribution	10°, 25°, 40°, 60°, 90°, 120°, 150°
Asymmetric Light Distribution	IESNA Type 1M, 2M, 3M, 3L, 4S, 4M
Optical Accessories	Backspill Guard, Frosted Diffuser

Electrical Parameters :

System Operating Power	30W	60W	90W	110W
Driver Brand	Philips (Fulham driver will power one module for emergency variant)			
Driver Model	Xitanium 929001402280		Xitanium 929001401680	
Typical Driver Lifetime	100,000 Hours @ TCASE 70°C			
Input Voltage	220-240VAC, (120-277VAC DALI D3 Driver)			
Input Frequency	50-60Hz			
Qty of Drivers per Light	1			
Inrush Current Per Driver @ 230VAC measured at 50% Ipeak (Peak/Duration)	46A/440µs			
Recommended Lights per Circuit (16A Type B MCB)	≤11 pcs at Maximum Product Power Note: MCB may allow for an increased number of lights per circuit for the lower powered versions			
Power Factor	>0.95			
THD	<20%			
Insulation Class	Class I			
Surge Protection/Fusing	10kA TVS (Transient Voltage Suppressors on individual LED Modules)			

Environmental Parameters:

IP Rating	IP67
IK Rating	IK10
Ambient Usage Tolerance	-40°C to 50°C
Ambient Storage Tolerance	-40°C to 50°C
Driver automatic turn-off temperature	TCASE 85°C - Power to LEDs is reduced
Ambient Humidity Tolerance	10% to 90% RH

Technical Specifications Summary

Code (Series-Wattage/Size)	DRU3-30	DRU3-60	DRU3-90	DRU3-110
Physical/Mechanical Parameters:				
Product Dimensions: LxWxH (mm)	291 x 81 x 88	566 x 81 x 88	841 x 81 x 88	1115 x 81 x 88
Qty of LED Chips	18	36	54	72
Qty of Modules	1	2	3	4
Electrical Connection	800mm Cable			
Fixture Weight ²	2.6kg	3.4kg	4.2kg	4.9kg
Fixture Primary Material(s)	Aluminium Alloy and Stainless Steel Fasteners			
Fixture Finish	AzkoNobel Powder Coated (Marine-Grade Optional)			
Lens(es) Materials	UV Stabilised Polycarbonate			
Dimming/Controls Parameters:				
Dimming Options	1-10V, 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 (RAL 9010)			
Emergency Options Summary:				
Emergency Variant Code	N/A	E3R1		
Test Method		Remote-Test		
Style		Integrated - powering one LED module		
Output Power in Emergency Mode		4W		
Emergency Lumen Output @ 5000K CCT		516lm		
Emergency Correction Factor		0.066	0.044	0.036
IP Rating		IP67		
Emergency Switch Brand		BillDa		
Emergency Switch Model		BLD-CM20E-480800-4W		
Battery Chemical Composition		Li-ion		
Battery Capacity		2500mAh		
Battery Output Voltage		25-48VDC		
Output Power Duration		3 hours		
Time to Charge		≥24 hours		
Ambient Product Usage Tolerance		0°C to 40°C		
Ambient Product Storage Tolerance		-0°C to 40°C		

¹ Electrical Parameter data is for D1 drivers, unless otherwise stated

² 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

Twin surface mount brackets, cable suspension



Optional Fitting Colours

Grey RAL:7004, Black RAL:9011, Bronze RAL:8014, White RAL:9010, Custom availability subject to MOQ



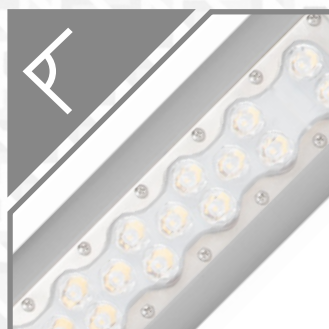
Special Features

Products supplied with link glands with 3m / custom connect cable - Max. 12no. fittings / daisy-chained



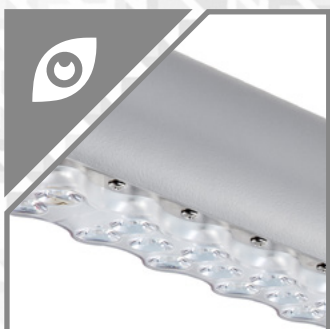
Environmental Protection

IP67 protection c/w minimum 100µm corrosion-resistant polyester powder coating



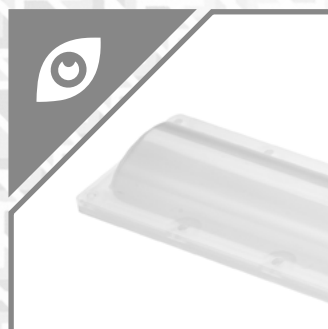
Distribution

132lm/W family efficacy, double market usage lifespan, >10 optic variations, & assured durability



Low Glare Light Engines

<19UGR optics available for delivering CIBSE standard commercial & sporting solutions



Optional Diffusers

Optional diffusers are available to help reduce glare



Emergency Operation

3 hours, maintained, remote testing



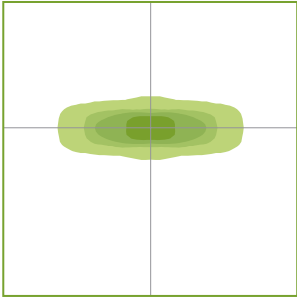


Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

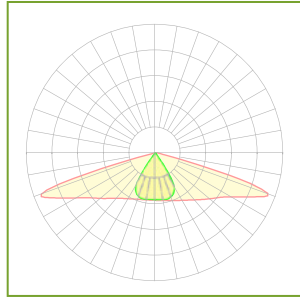
Indicative Product Photometry

IESNA Type 1 Medium

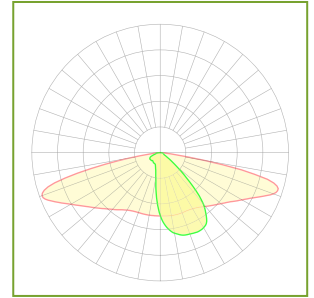
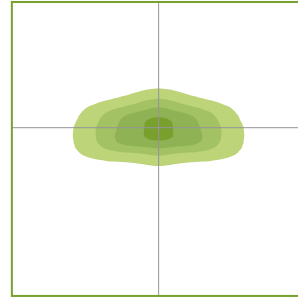
ISOLUX DIAGRAM



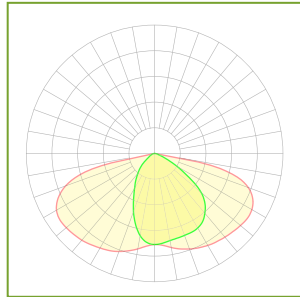
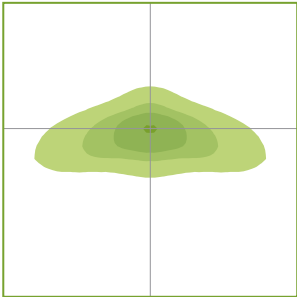
POLAR DIAGRAM



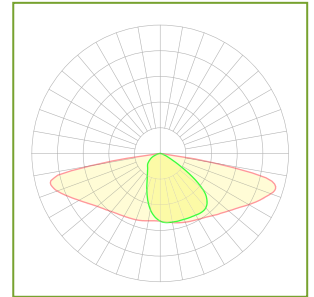
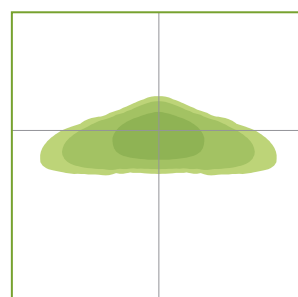
IESNA Type 2 Medium



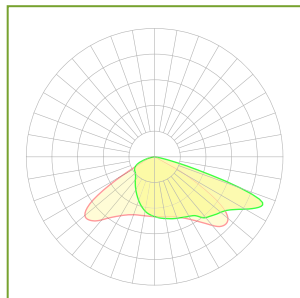
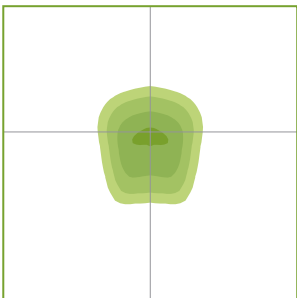
IESNA Type 3 Medium



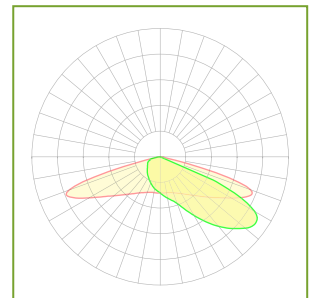
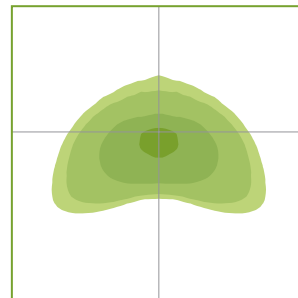
IESNA Type 3 Long



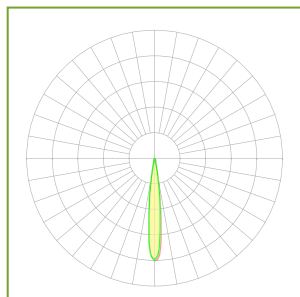
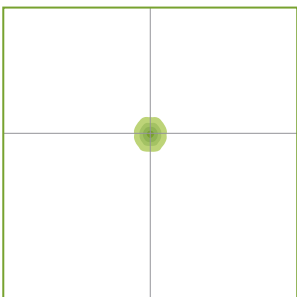
IESNA Type 4 Short



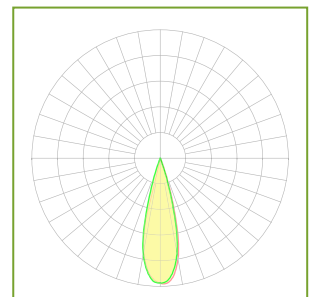
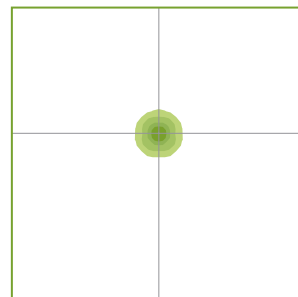
IESNA Type 4 Medium



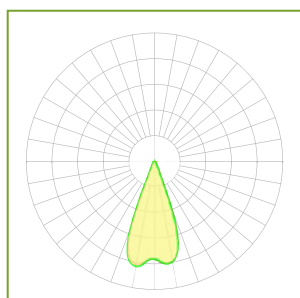
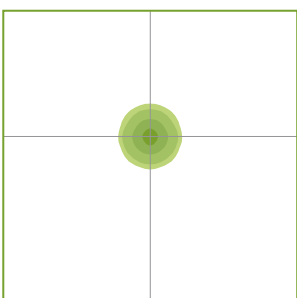
10° Optic



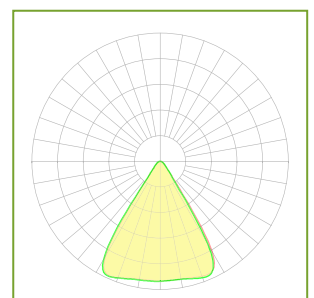
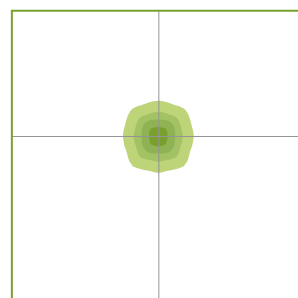
25° Optic



40° Optic



60° 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.

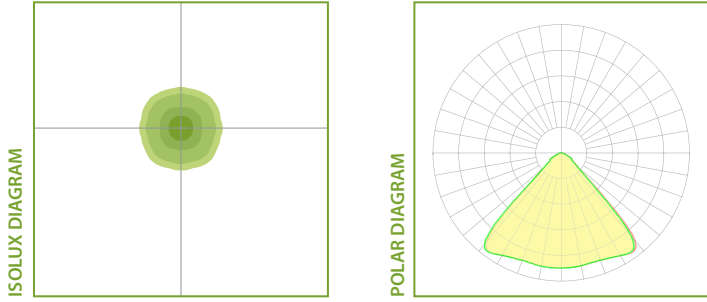




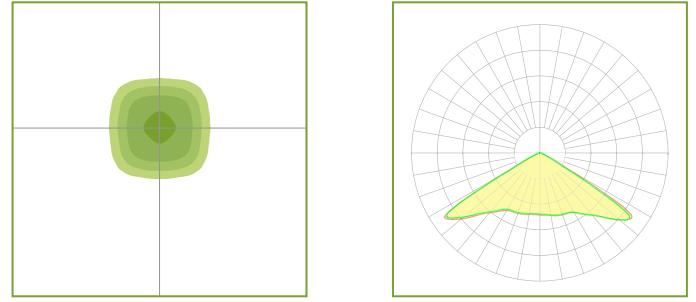
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Indicative Product Photometry

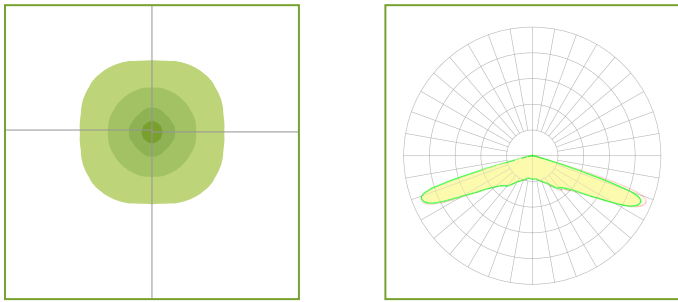
90° Optic



120° Optic



150° 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.



Clear Optic (Various Beam Angles)



Frosted Diffuser (117°)

Backspill Guards

Optional backspill guards are available for the above Type 3 and Type 4 optics. These modify the light distribution to reduce/eliminate backward light trespass. An illustrative example is shown below:





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
DRU3	30 30W	730 CRI >70, 3000K	2M IESNA TYPE II MEDIUM	D1 NON-DIM	TM TWIN SURFACE MOUNT BRACKETS	GR GREY	LI LINKABLE VARIANT
	60 60W	740 CRI >70, 4000K	3M IESNA TYPE III MEDIUM	D2 1-10V	CS CABLE SUSPENSION	BL BLACK	BG BACKSPILL GUARD
	90 90W	750 CRI >70, 5000K	3L IESNA TYPE III LONG	D3 DALI		WH WHITE	E3R2 INTEGRATED 3 HOUR MAINTAINED EMERGENCY (REMOTE TEST) - OUTPUT SW
	110 110W	757 CRI >70, 5700K	4S IESNA TYPE IV SHORT			GR2¹ GREY - MARINE GRADE	
		830 CRI >80, 3000K	4M IESNA TYPE IV MEDIUM			BL2¹ BLACK - MARINE GRADE	
		840 CRI >80, 4000K	10 10° CIRCULAR			WH2¹ WHITE - MARINE GRADE	
		850 CRI >80, 5000K	25 25° CIRCULAR				
		857 CRI >80, 5700K	40 40° CIRCULAR				
			60 60° CIRCULAR				
			90 90° CIRCULAR				
	120 120° CIRCULAR						
	150 150° CIRCULAR						
		FR FROSTED DIFFUSER					

¹ 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:

DRU3-30-750-90-D1-TM-GR

DRU3-140-857-2L-D3-CS-WH-LI-BG

DRIVER MANUFACTURER			
POWER	D1	D2	D3
30 30W	Philips	Philips	Philips
60 60W	Philips	Philips	Philips
90 90W	Philips	Philips	Philips
110 110W	Philips	Philips	Philips

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

