- **Budget-conscious premium slim anti-glare downlight**

- **For use in the office, retail, leisure & health-care sectors**

- **CE, ROHS, EMC & LVD international product marks**

Wallace Series
Premium Budget Conscious Downlight

CDN:SPEC109REV3

Technical Specifications Summary

Performance Summary:				
Code (Series-Wattage/Size)	WAL-11B	WAL-15C	WAL-23D	WAL-30E
Nominal Power	11W	15W	23W	30W
Luminaire Efficacy @ CRI>80, 4000K CCT	91lm/W	91lm/W	91lm/W	91lm/W
Lumen Output @ CRI>80, 4000K CCT	1,001lm	1,365lm	2,093lm	2,730lm
Lumen Maintenance (TM21 Reported)	L70B50 ≥36,000 hours @ Ta 25℃			
Lumen Maintenance (TM21 Calculated)	L70B50 ≥78,000 hours @ Ta 25℃			
Certification	CE, RoHS, EMC, LVD			
Product Warranty	3 Years			

Light Source and Photometric Parameters:	
Chip Brand, Model, & Size	Epistar 2835 SMD
Light Emmission	Direct
CCT	4000K, (2700K, 3000K, 6000K optional)
CRI	≥80, (≥90 optional)
SDCM	<3
Diffusers	Frosted
Symmetric Light Distribution	90°

Electrical Parameters[1]:				
System Operating Power	11W	15W	23W	30W
Driver Brand	Eaglerise			
Driver Model	LS-12	LS-20	LS-40	
Typical Driver Lifetime	30,000 hours @ Ta 45℃			
Input Voltage	220-240VAC			
Input Frequency	50-60Hz			
Driver Output Current	250mA	300mA	700mA	800mA
Qty of Drivers per Light	1			
Inrush Current (Non-Dimming Driver)	15A	20A	30A	
Power Factor	>0.90		>0.95	
THD	<20% (220-240VAC)			
Insulation Class	II			

Environmental Parameters:	
IP Rating	IP20/IP40
Ambient Usage Tolerance	-20℃ to 40℃
Ambient Storage Tolerance	-30℃ to 60℃
Ambient Humidity Tolerance	10% to 90% RH

Technical Specifications Summary

Code (Series-Wattage/Size)	WAL-11B	WAL-15C	WAL-23D	WAL-30E
Physical/Mechanical Parameters:				
Product Dimensions: ØxH (mm)	104 x 37	140 x 39	180 x 42	220 x 63
Cutout (Ø)	90mm	125mm	160mm	190-220mm
Electrical Connection	160mm Cable			
Fixture Weight²	0.3kg	0.4kg	0.5kg	0.8kg
Fixture Primary Material(s)	Aluminium Alloy			
Fixture Finish	Painted			
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	Surface mounted			
Miscellaneous Accessories	Emergency Pack (Remote Test, Self Test)			
Available Product Colours	Black, White			

[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

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

90° Optic

ISOLUX DIAGRAM

POLAR DIAGRAM
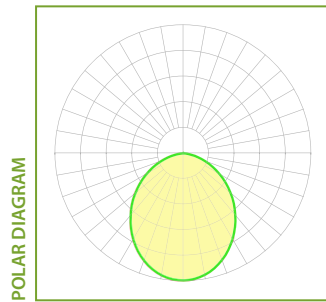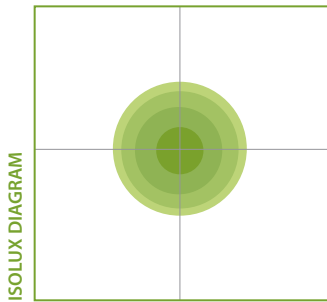
Diffusers

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 Cover

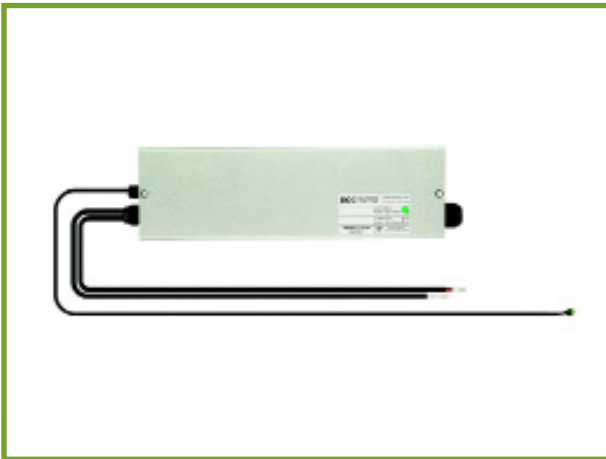Images are illustrative of diffuser type only and not necessarily taken from this product series

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

Emergency Packs

Emergency Kits

Premium plug and play, rapid installation option, available in remote-test, self-test and DALI variants. Incorporates luminaire driver, emergency switch electronics and battery.

Emergency LED indicator light bush and deep discharge protection included.

Available in remote-test, self-test and DALI variants. Compact design and incorporated strain relief allows installation as individual components in a ceiling cavity.

Emergency LED indicator light bush and deep discharge protection included.

Emergency Output	≥ 3hrs @ 2.5W
Ingress Protection	IP54
Size	IP20: 300 x 90 x 42mm
	IP54: 222 x 146 x 55mm
Warranty	3 Years
Battery Type	NiCd
Mains Supply	230-240VAC @ 50/60Hz
Mains Input Terminal	1.0mm^2 to 2.5mm^2
Max Ta and Tc	Ta 50℃, Tc 70℃
Max Battery Temperature	NiCd 55℃

Emergency Output	≥ 3hrs @ 2.5W
Ingress Protection	IP20
Size	Fits through 45mm aperture
Warranty	3 Years
Battery Type	NiCd or LiFePO$_4$
Mains Supply	230-240VAC @ 50/60Hz
Mains Input Terminal	1.0mm^2 to 2.5mm^2
Max Ta and Tc	Ta 50℃, Tc 70℃
Max Battery Temperature	NiCd 55℃
	LiFePO$_4$ 60℃

LiFePO$_4$

Some emergency products are available with Lithium Iron Phosphate (LiFePO$_4$) batteries.
The two main advantages over traditional emergency lighting batteries are:

- Double the operational life

- Extremely low self discharge and power consumption under use. E.g. standby power of a Nickel Cadmium (NiCd) battery is 5W, whereas our equivalent LiFePO$_4$ battery would be 1.5W

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

CODE
Description

830
CRI>80, 3000K

Product Ordering Codes

PRODUCT	POWER & SIZE	CRI & CCT	OPTIC	DRIVER	COLOUR
WAL	**11B** 11W, 90MM (CUT-OUT Ø)	**827** CRI>80, 2700K	**90** 90º Circular	**D1** NON-DIM	**WH** WHITE
	15C 15W, 125MM (CUT-OUT Ø)	**830** CRI >80, 3000K		**D2** 1-10V	**BL** BLACK
	23D 23W, 160MM (CUT-OUT Ø)	**840** CRI >80, 4000K		**D3** DALI	
	30E 50W, 200-215MM (CUT-OUT Ø)	**860** CRI >80, 6000K			

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:
WAL-11C-840-90-D1-WH
WAL-23D-830-90-D3-BL

DRIVER MANUFACTURER

POWER	D1	D2	D3
11B 11W, 90MM (CUT-OUT Ø)	Eaglerise	Lifud	Osram
15C 15W, 125MM (CUT-OUT Ø)	Eaglerise	Lifud	Osram
23D 23W, 160MM (CUT-OUT Ø)	Eaglerise	Lifud	Osram
30E 50W, 200-215MM (CUT-OUT Ø)	Eaglerise	Lifud	Osram

ACCESSORIES

WAL-E3R1-"POWER"-"DRIVER"
3HR MAINTAINED NED EMERGENCY PACK - REMOTE TEST WITH NiCd BATTERY

WAL-E3S1-"POWER"-"DRIVER"
3HR MAINTAINED NES EMERGENCY PACK - SELF TEST WITH NiCd BATTERY

WAL-E3R2
3HR MAINTAINED EMERGENCY JED KIT - REMOTE TEST WITH NiCd BATTERY

WAL-E3R2L
3HR MAINTAINED EMERGENCY FED KIT - REMOTE TEST WITH LiFePO₄ BATTERY

WAL-E3S2L
3HR MAINTAINED EMERGENCY FES KIT - SELF TEST WITH LiFePO₄ BATTERY

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS