

Wavelite LED



The clean lines of the housing profile, available in the familiar 1.2m, 1.5m and 1.8m lengths to match existing fluorescent luminaires, make the Wavelite LED ideal for new or retro fit applications.

The reeded opal polycarbonate diffuser offers good impact resistance and LED diffusion for a pleasant lit appearance. The diffuser is secured requiring tooled access making it ideal for public spaces where anti-tamper is a consideration.

Options include; 3 hour combined non-maintained emergency functionality, dimmable control gear and integrated lighting controls options to maximise energy savings, user comfort and control.

With a comprehensive range of lumen outputs from the linear LED light engines, Wavelite LED delivers choice and flexibility to suit a wide range of applications where a cost effective direct surface mounted or suspended solution is required.

- Nominal 1.2m, 1.5m and 1.8m length formats, ideal for both new and retro fit applications
- Slim and attractive profile with robust opal diffuser to blend into most environments
- Surface or suspended mounting option via suspension kit accessory
- Integrated lighting control options to maximise energy saving, user comfort and control.
- Integral 3hr combined non-maintained functionality option
- High efficacy luminaire performance to exceed building regulation requirements with lumen packages to match and exceed traditional fluorescent technology with reduced energy consumption

Lamp and Control Gear Options

- High efficacy linear LED light engines
- >80CRI, 4000°K
- Energy efficient fixed output control gear as standard
- DALI dimmable control gear option

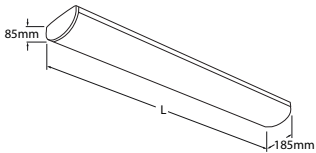
Materials

- Body and gear tray– Sheet steel, powder coated in RAL9016 white finish
- End caps – injection moulded ABS, colour matched to the body
- Diffuser panel – UV stabilised polycarbonate

Options

- DALI dimming option
- Intelligent light and energy management options:
 - End mounted IP20 rated sensor with switching or dimming function, with/without photocell
 - IP40 can be achieved if the luminaire is surface mounted
- 'Corridor function' control available to special order with the 'CO' suffix
- Fully integral combined non-maintained emergency, 3 hour duration. Suitable for use on defined escape routes.
- We offer a range of product support contracts to aid commissioning, reduce your maintenance costs, comply with legislative test requirements and maximise the lifespan of your lighting equipment.

Dimensions



Length	L (mm)	Width (mm)	Height (mm)
1.2m	1245	185	85
1.5m	1545	185	85
1.8m	1809	185	85

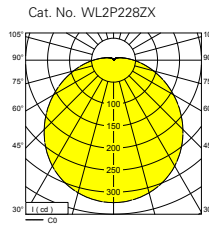
Installation Notes

- Suitable for direct fix or suspended mounting (suspension kits contain a pair of drop wires and must be ordered as separate items)
- Suitable for direct fix via the BESA or embossed fixing points.
- Terminal block with 2 x 2.5mm² cable capacity per termination
- Hinged gear tray for ease of installation
- Diffusers are retained by screws for tamper resistant tooled access
- IP40 rating applies when installed flush to a flat mounting surface, not when suspended

Specification

To specify state: Architectural linear surface/suspended/wall mount luminaire, 56mm wide, 115mm deep suitable for individual or end to end mounting with extruded aluminium body and UV stable polycarbonate diffuser.

Photometric Data



SHR nom: 1.50
SHR max: 1.598

Utilisation factors / TM5

Reflectances			Room Index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	57	65	73	78	85	89	93	97	100
70	30	20	50	58	65	71	78	84	88	93	96
70	10	20	44	52	60	65	73	79	83	89	93
50	50	20	55	63	70	74	81	85	88	93	95
50	30	20	49	56	63	68	75	80	84	89	92
50	10	20	44	51	58	63	71	76	80	86	89
30	50	20	54	60	67	71	77	81	84	88	91
30	30	20	48	55	61	66	73	77	81	85	88
30	10	20	43	50	57	62	69	74	77	82	86
0	0	0	41	47	54	58	65	69	72	77	80
BZ-class			4	5	5	5	5	5	5	5	5

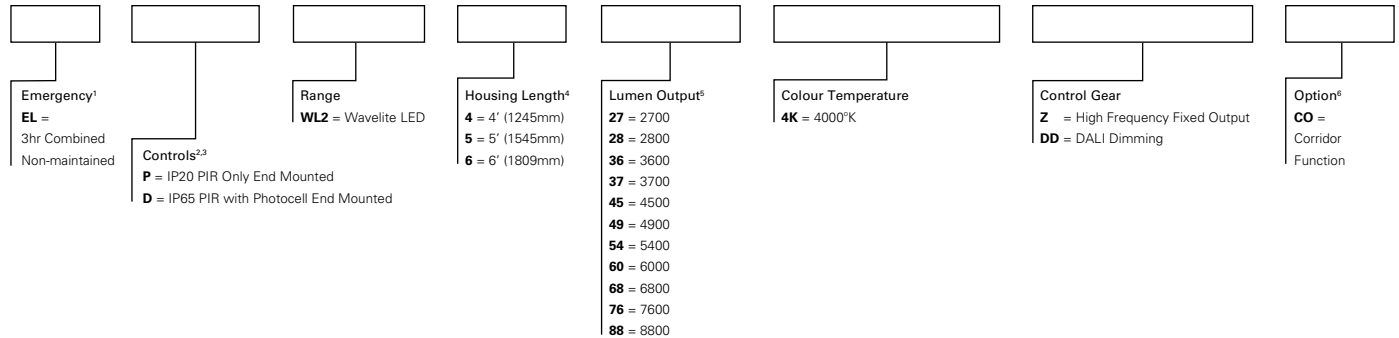


Wavelite LED with high performance linear LED



Rear suspended option (order kit separately)

Catalogue Numbers



- Emergency versions use a dedicated LED which operates only when in emergency mode
- The 'P' prefix sensor is a switching PIR only for use on fixed output control gear (unless in-conjunction with DD and CO for Corridor Function)
 The 'D' prefix sensor is a switching PIR with photocell, the control gear option dictates the sensor type i.e:
 Switching with a threshold sensor for fixed output control gear, DALI digital dimming gear uses a regulating photocell version
- 'P' and 'D' prefix sensors are mounted in the end of the luminaire, they are IP20 rated and suitable for up to 5m mounting heights
- Please refer to the dimension table and diagram for exact dimensions
- The lumen output values are not all available in all lengths
- 'Corridor Function' is a Tridonic specific option available with their dimmable driver, this 'CO' suffix must be added to ensure the correct driver is used. Add the 'CO' after the DD suffix.

Luminaire Example

Cat No	Description
ELDWL25374KDD	Wavelite LED 5', 3700lm, 4000K, DALI, with integral combined non-maintained emergency functionality and fitted with end mounted IP20 PIR/photocell DALI sensor

Product Number

Part No	Description	Lumen Output (Lm)	System Power (W)	Efficacy (Lm/cW)
WL24274KZ	Wavelite LED 1.2m, 2700, 4000k	2772	22.6	122.5
WL24364KZ	Wavelite LED 1.2m, 3600, 4000k	3671	31.2	117.6
WL24454KZ	Wavelite LED 1.2m, 4500, 4000k	4587	41	111.9
WL24604KZ	Wavelite LED 1.2m, 6000, 4000k	6008	53.1	113.1
WL25284KZ	Wavelite LED 1.5m, 2800, 4000k	2874	22.1	129.7
WL25374KZ	Wavelite LED 1.5m, 3700, 4000k	3728	28.4	126.8
WL25494KZ	Wavelite LED 1.5m, 4900, 4000k	4966	41.1	120.8
WL25684KZ	Wavelite LED 1.5m, 6800, 4000k	6809	61.2	111.2
WL25764KZ	Wavelite LED 1.5m, 7600, 4000k	7660	72	106.5
WL26544KZ	Wavelite LED 1.8m, 5400, 4000k	5438	42.6	127.7
WL26884KZ	Wavelite LED 1.8m, 8800, 4000k	8854	77.7	114

Accessories

Description	Cat No
Wavelite Suspension Kit, 1.5m drop wire (pair)	WLTSKIT

For emergency option add ER in front of catalogue number. e.g. WL24274KZ becomes ERWL24274KZ
 For Emergency versions the circuit watts will increase by 1.5W to account for the charging circuit.
 For DALI dimming option replace character Z with DD. e.g. WL24274KZ becomes WL24274KZDD
 Refer to the catalogue number matrix for other options.

For further product specifications, please contact our Customer Service Department on 0161 274 3626
 or email sales@hilclare.com



Batten fit sensor - IP20