







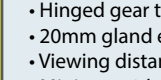
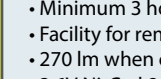


**2021** **PRODUCT GUIDE**

[www.eterna-lighting.ie](http://www.eterna-lighting.ie)









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Picture	Code	Version	Colour	Specification	W	M / O
<b>RECTANGULAR BULKHEADS</b>						
	EMLED3M	Maint. bulkhead + signs directive legend set	WH	LED   7W   6000K   235/150 lm   30,000 hrs   IP65 L: 355mm, H: 110mm, D: 70mm	5	1 / 12
	EML3MISO	Maintained bulkhead + ISO legend set	WH		5	1 / 12
	EMLED3NM	NM. bulkhead + signs directive legend set	WH	LED   2W   6000K   150 lm   30,000 hrs   IP65 L: 355mm, H: 110mm, D: 70mm	5	1 / 12
	EML3NMISO	NM. bulkhead + ISO legend set	WH		5	1 / 12
	BULKFRAME	Bulkhead frame	WH	L: 392mm, H: 150mm, D: 45mm	1	1 / 12
	ISOLGDSET	ISO legend sticker set	GN	L: 200mm, H: 200mm	1	1 / 12
	LGDSET	Signs directive legend sticker set	GN	L: 200mm, H: 200mm	1	1 / 12
	SEMEM3	<b>Self-Test Li-ion</b> Maintained bulkhead + ISO legend set	WH	LED   4W   6400K   270/130 lm   40,000 hrs   IP65 L: 355mm, H: 110mm, D: 70mm	5	1 / 10
	ISOLGDSET	ISO legend sticker set	GN	L: 200mm, H: 200mm	1	1 / 12
	LGDSET	Signs directive legend sticker set	GN	L: 200mm, H: 200mm	1	1 / 12

### VECOMEM3 / VECOMEM3L

- Polycarbonate construction
- Hinged gear tray
- 20mm gland entries as standard
- Viewing distance 20m
- Minimum 3 hour functionality in emergency mode
- Facility for remote switching and non-maintained mode
- 270 lm when connected to mains, 130 lm when connected to battery
- 3.6V Ni-Cad 800mAh
- Push fit terminals



	VECOMEM3	Bulkhead only	WH	LED   4W   6400K   270/130 lm   40,000 hrs   IP65 L: 355mm, H: 110mm, D: 70mm	5	1 / 10
	VECOMEM3L	Bulkhead + ISO legend sticker set	WH		5	1 / 10
	VECOEMISOL	ISO legend sticker set	GN	L: 206mm, H: 198mm	1	1 / 500
	LGDSET	Signs directive legend sticker set	GN	L: 200mm, H: 200mm	1	1 / 12
	VECOBHEM3M	Compact bulkhead + ISO legend sticker set	WH	LED   3.5W   6300K   200 lm   30,000 hrs   IP65 L: 211mm, H: 102mm, D: 47mm	5	1 / 20
	KEM3BULKLI	<b>Li-ion</b> Maintained bulkhead + ISO legend set	WH	LED   4W   6400K   270/130 lm   40,000 hrs   IP65 L: 355mm, H: 110mm, D: 70mm	5	1 / 10
	VECOEMISOL	ISO legend sticker set	GN	L: 206mm, H: 198mm	1	1 / 500
	LGDSET	Signs directive legend sticker set	GN	L: 200mm, H: 200mm	1	1 / 12

Signs Directive & ISO 7010 options available



### REPLACEMENT BATTERY SERVICE AVAILABLE FOR EMERGENCY PRODUCTS

[www.eterna-lighting.co.uk/battery-replacement-service](http://www.eterna-lighting.co.uk/battery-replacement-service)  
See page 07





### MAINTAINED

Lit all the time & in emergency mode stays lit but at a lower light level

### NON MAINTAINED

Comes on when mains power fails in emergency mode





Picture	Code	Version	Colour	Specification	W	M / O
<b>EXIT BOXES</b>						
	EXIT3MLED	Std exit box + signs directive down legend	WH	LED   4W   30,000 hrs   IP20 L: 390mm, H: 192mm, D: 60mm	5	6 / 6
	EXIT3MLISO	Std exit box + ISO up legend	WH		5	6 / 6
	SEEXIT3ML	<b>Self-Test</b> exit box + ISO up legend	WH		5	6 / 6
	EBLGDL	Signs directive left legend	GN		1	1 / 100
	EBLGDR	Signs directive right legend	GN		1	1 / 100
	EBLGDU	Signs directive up legend	GN		1	1 / 100
	ISOEBLGDD	ISO down legend	GN		1	1 / 100
	ISOEBLGDL	ISO left legend	GN	1	1 / 100	
	ISOEBLGDR	ISO right legend	GN	1	1 / 100	
	ISOEBLGDU	ISO up legend	GN	1	1 / 100	
	EBLSLIMM	Slim exit box + signs directive legends	WH	LED   5.2W   30,000 hrs   IP20 L: 393mm, H: 193mm, D: 27mm	5	1 / 10



**VECOEXIT3M**

- Steel construction • Push fit terminals • Facility for remote switching
- 3 hour maintained mode as standard which can also be configured for non maintained operation
- Diffuser on base: for added downward illumination of exit path
- Viewing distance 29m • LED charge light and battery test button
- 3.2V Li-ion 1500mAh



	VECOEXIT3M	<b>Li-ion</b> compact exit box + ISO up legend	WH	LED   4W   30,000 hrs   IP20 L: 300mm, H: 180mm, D: 40mm	5	1 / 20
	VECOISOD	ISO down legend	GN		1	1 / 20
	VECOISOL	ISO left legend	GN		1	1 / 20
	VECOISOR	ISO right legend	GN		1	1 / 20

**TWINSPOTS**

	LEDTWNSPOT	Standard	WH	LED   Twin 3W   3500K   441 lm   30,000 hrs   IP65 W: 300mm, H: 295mm, D: 70mm	5	1 / 6
	SELTWNSPOT	<b>Self-Test</b>	WH		5	1 / 6
	TSPOTLIP20	Standard	WH	LED   3.4W   6000K   405 lm   IP20 W: 280mm, H: 310mm, D: 55mm	5	1 / 6
	VECOTWNSP	Standard	WH	LED   2W   6300K   IP20 W: 250mm, H: 285mm, D: 50mm	5	1 / 20



**VECOTWNSP**

- Polycarbonate construction • Push fit terminals
- Individual indicator to show 'Lamps Healthy' and 'Charge'
- Horizontally and vertically adjustable heads, 180° rotation across the horizontal plane
- Minimum 3 hour functionality in emergency mode
- Knockouts both sides of fitting



When it comes to Self-Test emergency: **Stay Safe • Save Time • Specify Eterna**

for more information on Self-Test see our website: [www.etera-lighting.co.uk/self-test/](http://www.etera-lighting.co.uk/self-test/)


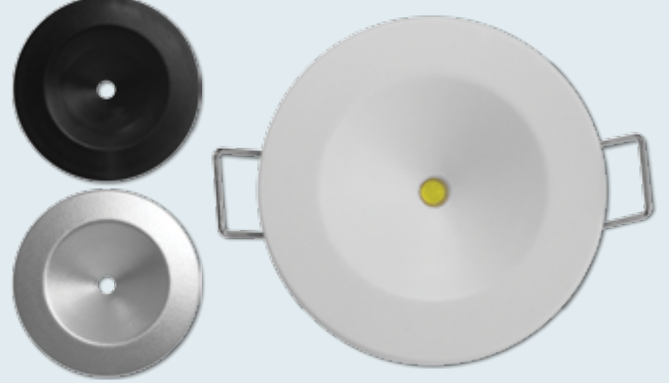






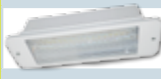

**There are many benefits of Eterna's self-test emergency lighting range:**

- ✓ More effective and reliable than manual testing
- ✓ Easy to install
- ✓ Saves time and money
- ✓ Testing causes no disruption to the normal operation of the building
- ✓ Staggered tests mean all areas are protected in the event of a power failure









# 4 - Emergency


W = Warranty M = Minimum Order Multiple O = Outer Pack Quantity

Picture	Code	Version	Colour	Specification	W	M / O	
<b>DOWNLIGHTS</b>							
	LDLEM3	Standard, hole cut out size: 32mm	WH / MS	LED   1.4W   118 lm   IP20 Ø: 45mm, D: 33mm	5	1 / 20	
	SELDLEM3	<b>Self-Test</b> , hole cut out size: 32mm	WH / MS		5	1 / 20	
<p><b>LDLEM3LI</b></p> <p>Unobtrusive emergency downlight with lightweight all-in-one compact control pack including Lithium battery technology.</p> <ul style="list-style-type: none"> <li>• White, matt silver and black bezels included</li> <li>• LiFePO4 Lithium battery technology offering reduced energy consumption, enhanced charging cycle capacity &amp; improved operational life compared to standard NiCad products</li> <li>• Optic designed for open area and escape route lighting</li> <li>• Built-in battery overcharge protection • 3 hour non maintained operation</li> <li>• Integrated green charging indicator LED</li> <li>• 160 lm in emergency mode • 3.2V 1500mAh Lithium Ion battery</li> </ul>							
	LDLEM3LI	<b>Li-ion</b> , hole cut out size: 50mm	WH / MS / BK	LED   2W   IP20 Ø: 60mm, D: 25mm	5	1 / 40	
	SESMDLEM3	<b>Self-Test</b> surface mounted downlight with open area lens	WH	LED   3W   6000K   150 lm Ø: 150mm, D: 45mm	5	1 / 20	
	SESMDC	Corridor lens for SESMDLEM3	WH		1	1 / 20	
<b>BATTERY PACKS</b>							
	EBPM3	Standard	WH	10-60V 100W Max L: 250mm, H: 110mm, D: 55mm	2	1 / 1	
	SEEBPM3	<b>Self-Test</b>	WH		2	1 / 1	
	EBPM3LI	<b>Li-ion</b> - see page 13 for more info	WH	18-60Vdc Maximum 150W L: 338mm, H: 45mm, D: 80mm	2	1 / 40	
<b>MULTI FIX/RECESSED/HANGING EXIT SIGN LIGHTS</b>							
	EXITMMO	Fitting 4x fixing options + ISO up legend	WH	LED   2.8W   6000K   35/25 lm L: 325mm, H: 235mm, D: 42mm	5	1 / 6	
	EXITREC	Recessed mounting kit for EXITMMO	WH		L: 385mm, H: 64mm, D: 90mm	1	1 / 25
	ISOMMOD	ISO down legend	GN		1	1 / 100	
	ISOMMOLR	ISO left / right legend	GN		1	1 / 100	
	EMMOD	Signs directive down legend	GN		1	1 / 100	
	EMMOLR	Signs directive left / right legend	GN		1	1 / 100	
	EMMOUP	Signs directive up legend	GN		1	1 / 100	
	SIGNLEDEM3	Std sign + Signs directive down legend	WH	LED   2.3W   6000K   171 lm   25,000 hrs W: 335mm, H: adjustable, D: 45mm	5	1 / 6	
	SIGNEM3ISO	Std sign + ISO up legend	WH		5	1 / 10	
	SESIGNLEM3	<b>Self-Test</b> sign + ISO up legend	WH		5	1 / 6	
	SIGNLGD	Signs directive left / right legend	GN		1	1 / 100	
	SIGNLGDUP	Signs directive up legend	GN		1	1 / 100	
	ISOSIGND	ISO down legend	GN		1	1 / 100	
	ISOSIGNLR	ISO left / right legend	GN		1	1 / 100	
	LEDREM3	Recessed fitting with reeded diffuser	WH	LED   5.20W   6500K   162 lm   18,000 hrs L: 410mm, H: 90mm, D: 125mm	5	1 / 10	
	LEDMDDEM3	Edge lit + signs directive down legend	WH	LED   3.5W   6500K   18,000 hrs L: 410mm, H: 260mm, D: 125mm	5	1 / 6	
	LMDDEM3ISO	Edge lit + ISO up legend	WH		5	1 / 6	
	SELMDDDEM3	<b>Self-Test</b> edge lit + ISO up legend	WH		5	1 / 6	
	ISOMDDD	ISO down legend	GN		1	1 / 100	
	ISOMDDL	ISO left/right legend	GN		1	1 / 100	
	RLGD	Signs directive left/right legend	GN		1	1 / 25	
	RLGDUP	Signs directive up legend	GN		1	1 / 25	



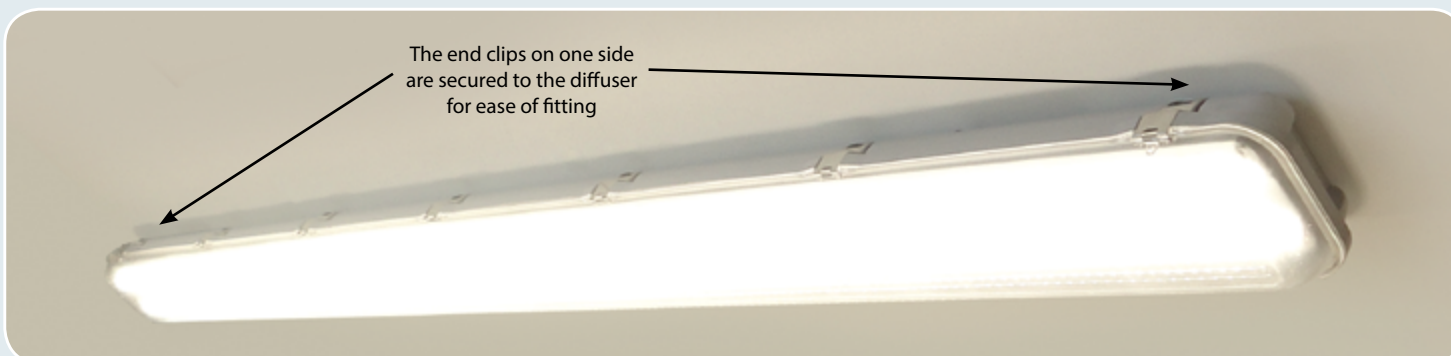
Picture	Code	Version	Colour	Specification	W	M / O
<b>CHARA POWER &amp; COLOUR TEMPERATURE SELECTABLE RANGE - SEE PAGE 8 FOR TRIMS &amp; MORE INFO</b>						
✓ Hinged LED array ✓ Enclosure rated as IK10 for impact resistance ✓ Central BESA box mounting option on the base ✓ Push fit terminal block						
	CHA18EM3	Li-ion Power & Colour temp. selectable emergency	WH	LED   40,000 hrs   IP65	5	1 / 10
	CHA18MW3	Li-ion Power & Colour temp. selectable MW + emergency	WH	9W   3000K (1000 lm)   4400K (1100 lm) 6500K (1100 lm) 14W   3000K (1500 lm)   4400K (1670 lm) 6500K (1640 lm)	5	1 / 10
	CHA18SDEM3	Li-ion Power & Colour temp. selectable Step Dim MW + emergency	WH	18W   3000K (1880 lm)   4400K (2130 lm) 6500K (2050 lm) Ø: 315mm, D: 73mm All fittings come with a white full trim	5	1 / 10
<b>CHARA COLOUR TEMPERATURE SELECTABLE RANGE - SEE PAGE 8 FOR TRIMS</b>						
	KCIREM3	Li-ion Colour temp. selectable emergency	WH	LED   14W   3000K (1550 lm)   4200K (1700 lm) 6300K (1600 lm)   40,000 hrs   IP65	5	1 / 10
	KCIRMW3	Li-ion Colour temp. selectable MW + emergency	WH	Ø: 315mm, D: 73mm All fittings come with a white full trim	5	1 / 10
<b>CARINA CIRCULAR</b>						
	CSLEDCREM3	Li-ion Colour temp. selectable emergency	CR		5	1 / 8
	CSLEDWHEM3	Li-ion Colour temp. selectable emergency	WH		5	1 / 8
	MSCSLCREM3	Li-ion Colour temp. selectable MW + emergency	CR	LED   17W   35,000 hrs   IP65 3100K (1250 lm)	5	1 / 8
	MSCSLWHEM3	Li-ion Colour temp. selectable MW + emergency	WH	4200K (1350 lm) 6400K (1300 lm) Ø: 325mm, D: 110mm	5	1 / 8
	SDCSLCREM3	Li-ion Colour temp. selectable Step Dim MW + EM3	CR		5	1 / 8
	SDCSLWHEM3	Li-ion Colour temp. selectable Step Dim MW + EM3	WH		5	1 / 8
	MSLWHEM3SC	Li-ion MW sensor + emergency	WH	LED   17W   4200K   1350 lm   35,000 hrs   IP65 Ø: 325mm, D: 110mm	5	1 / 8
CFLWHEM3SC	Li-ion Emergency	WH		5	1 / 8	
<b>CHAMELEON CIRCULAR - SEE PAGE 9 FOR TRIMS</b>						
	CO12EM3	Li-ion Colour temp. selectable emergency	WH	LED   12W   40,000 hrs   IP65   3100K (1180 lm) 4200K (1290 lm)   6400K (1230 lm) Ø: 300mm, D: 90mm	5	1 / 10
	CO12MW3	Li-ion Colour temp. selectable MW + emergency	WH		5	1 / 10
	CO18EM3	Li-ion Colour temp. selectable emergency	WH	LED   18W   35,000 hrs   IP65   3100K (1580 lm) 4200K (1640 lm)   6400K (1600 lm) Ø: 300mm, D: 90mm	5	1 / 10
	CO18MW3	Li-ion Colour temp. selectable MW + emergency	WH		5	1 / 10
<b>UTILITY CIRCULAR &amp; SQUARE</b>						
	CIROPALEM3	Li-ion Circle opal diffuser emergency	WH	LED   18W   4000K   1400 lm   35,000 hrs   IP65 Ø: 290mm, D: 100mm	5	1 / 1
	CIROPALMW3	Li-ion Circle opal diffuser emergency MF MW sensor	WH		5	1 / 1
	CIRPRISEM3	Li-ion Circle prismatic diffuser emergency	WH	LED   18W   4000K   1600 lm   35,000 hrs   IP65 Ø: 290mm, D: 100mm	5	1 / 1
	CIRPRISMW3	Li-ion Circle prismatic diffuser EM3 + MF MW sensor	WH		5	1 / 1
	SQOPALEM3	Li-ion Square opal diffuser emergency	WH	LED   18W   4000K   1400 lm   35,000 hrs   IP65 L: 250mm, W: 250mm, D: 100mm	5	1 / 1
	SQOPALMW3	Li-ion Square opal diffuser EM3 + MF MW sensor	WH		5	1 / 1
	SQPRISEM3	Li-ion Square prismatic diffuser emergency	WH	LED   18W   4000K   1600 lm   35,000 hrs   IP65 L: 250mm, W: 250mm, D: 100mm	5	1 / 1
	SQPRISMW3	Li-ion Square prismatic diffuser EM3 + MF MW sensor	WH		5	1 / 1
<b>ALUMINIUM AMENITY</b>						
	ALMF3WHEYE	Li-ion Eyelid diffuser emergency + MW sensor	WH	LED   18W   4200K   1300 lm   35,000 hrs   IP65 Ø: 365mm, D: 120mm	5	1 / 1
	ALEM3WHGRI	Li-ion Grill diffuser emergency	WH	LED   18W   4200K   1400 lm   35,000 hrs   IP65	5	1 / 1
	ALMF3BKGR	Li-ion Grill diffuser emergency + MW sensor	BK	Ø: 365mm, D: 130mm	5	1 / 1

Picture	Code	Version	Colour	Specification	W	M / O
<b>S2 CLASSIC DESIGN LED BATTENS</b>						
	BATL4FTEM3	Li-ion 4ft emergency	WH	LED   23W   4200K   2950 lm   35,000 hrs   IP20 L: 1170+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATL5FTEM3	Li-ion 5ft emergency	WH	LED   38W   4200K   4750 lm   35,000 hrs   IP20 L: 1460+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATL6FTEM3	Li-ion 6ft emergency	WH	LED   48W   4200K   6050 lm   35,000 hrs   IP20 L: 1730+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATL5HOEM3	Li-ion 5ft high output emergency	WH	LED   60W   4200K   7550 lm   35,000 hrs   IP20 L: 1460+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATL6HOEM3	Li-ion 6ft high output emergency	WH	LED   65W   4200K   8450 lm   35,000 hrs   IP20 L: 1730+90mm, H: 73mm, D: 60mm	5	1 / 6

<b>CLASSIC DESIGN LED SELF-TEST BATTENS</b>						
	SELB4FTEM3	Self-Test 4ft emergency	WH	LED   23W   4200K   2930 lm   35,000 hrs   IP20 L: 1170+60mm, H: 73mm, D: 60mm	5	1 / 6
	SELB5FTEM3	Self-Test 5ft emergency	WH	LED   38W   4200K   4800 lm   35,000 hrs   IP20 L: 1460+60mm, H: 73mm, D: 60mm	5	1 / 6
	SELB6FTEM3	Self-Test 6ft emergency	WH	LED   48W   4200K   6000 lm   35,000 hrs   IP20 L: 1730+60mm, H: 73mm, D: 60mm	5	1 / 6
	SELB5HOEM3	Self-Test 5ft high output emergency	WH	LED   65W   4200K   7900 lm   35,000 hrs   IP20 L: 1460+60mm, H: 73mm, D: 60mm	5	1 / 6
	SELB6HOEM3	Self-Test 6ft high output emergency	WH	LED   70W   4200K   8600 lm   35,000 hrs   IP20 L: 1730+60mm, H: 73mm, D: 60mm	5	1 / 6

<b>ELEGANT DESIGN LED BATTENS</b>						
	ELEGAN5EM3	5ft emergency	WH	LED   50W   4000K   5000 lm   40,000 hrs   IP20 L: 1503mm, H: 127mm, D: 43mm	5	1 / 6


## WEATHERPROOF LED BATTENS




### KWPEM3 RANGE







- Multiple cable entries, allowing for "loop in & out" wiring via push fit terminal block
- "Anti-drop" polycarbonate diffuser & gear tray for ease of installation
- Three mounting options - BESA box, directly onto ceiling surfaces or stainless steel suspension clips (included)
- Stainless steel diffuser clips supplied as standard, suitable for food industry applications
- IES files available for lighting designs • Supplied with a 20mm IP65 gland & fixings kit
- Producing up to 106 lm / W • IK10 rated fitting maximises durability and strength
- Emergency 3 hour duration maintained operation with the facility for remote switching

**This range is quick and easy to install due to "loop in & out" push fit connectors and features an IK10 "anti-drop" diffuser.**

	KWPEM3SIN5	Li-ion 5ft single emergency	GY	LED   30W   4000K   3180 lm   40,000 hrs   IP65 L: 1560mm, H: 82mm, D: 90mm	5	1 / 1
	KWPEM3SIN6	Li-ion 6ft single emergency	GY	LED   35W   4000K   3680 lm   40,000 hrs   IP65 L: 1830mm, H: 82mm, D: 90mm	5	1 / 1
	KWPEM3TWI5	Li-ion 5ft twin emergency	GY	LED   58W   4000K   6020 lm   40,000 hrs   IP65 L: 1560mm, H: 82mm, D: 135mm	5	1 / 1
	KWPEM3TWI6	Li-ion 6ft twin emergency	GY	LED   68W   4000K   6980 lm   40,000 hrs   IP65 L: 1830mm, H: 82mm, D: 135mm	5	1 / 1

## CLASSIC DESIGN WEATHERPROOF LED BATTENS

	WP51SDEM3	Li-ion 5ft single emergency + 10% step dim MW	GY	LED   30W   5000K   3000 lm   30,000 hrs   IP65 L: 1560mm, W: 90mm, H: 95mm	5	1 / 6
	WP61SDEM3	Li-ion 6ft single emergency + 10% step dim MW	GY	LED   40W   5000K   4000 lm   30,000 hrs   IP65 L: 1830mm, W: 90mm, H: 95mm	5	1 / 6
	WPLEDEM361	Li-ion 6ft single emergency	GY	LED   40W   5000K   4000 lm   30,000 hrs   IP65 L: 1830mm, W: 90mm, H: 95mm	5	1 / 6

Picture	Code	Version	Colour	Specification	W	M / O
<b>REPLACEMENT BATTERIES - <a href="http://www.eterna-lighting.co.uk/battery-replacement-service">www.eterna-lighting.co.uk/battery-replacement-service</a></b>						
	EB1	Ni-Cd 3.6V 1500mAh stick battery	WH	For EMLED3 range Ø: 22mm, L: 128mm	1	1 / 1
	EB2	Ni-Cd 3.6V 2000mAh stick battery	WH	For LDLEM3, ELEGAN5EM3 & BATL ranges Ø: 22mm, L: 128mm	1	1 / 1
	EB3	Ni-Cd 3.6V 6Ah side-by-side battery	WH	For LEDTWNSPOT range W: 93mm, H: 98mm, D: 32mm	1	1 / 1
	EB4	Ni-Cd 3.6V 1500mAh side-by-side battery	WH	For EXIT3MLED range & LEDREM3 W: 43mm, H: 66mm, D: 27mm	1	1 / 1
	EB5	Ni-Cd 3.6V 4.5Ah stick battery	WH	For EBPM3 range Ø: 32mm, L: 175mm	1	1 / 1
	EB7	Ni-Mh 3.6V 2000mAh side-by-side battery	GN	For EBLSLIMM W: 52mm, H: 43mm, D: 15mm	1	1 / 1
	EB8	Ni-Cd 3.6V 800mAh side-by-side battery	WH	For EXITMMO, SIGNLEDEM3 range W: 50mm, H: 30mm, D: 30mm	1	1 / 1
	EB9	Ni-Cd 4.8V 600mAh side-by-side battery	WH	For LEDMDDEM3 range W: 98mm, H: 28mm, D: 15mm	1	1 / 1
	EB10/2	Ni-Cd 6V 2000mAh side-by-side battery	WH	For WP, WPLED, KWP Range W: 150mm, H: 42mm, D: 25mm	1	1 / 1
	EB11	<b>Li-ion</b> 3.2V 1500mAh stick battery	BLU	For CSLED, ALU, CIR/SQ, CHA, KCIR, CO12, CO18 ranges Ø: 18mm, L: 68mm	1	1 / 1
	EB12	Ni-Cd 3.6V 1500mAh stick battery	WH	For VECOBHEM3M, VECOEM3M Ø: 22mm, L: 128mm	1	1 / 1
	EB13	Ni-Cd 3.6V 4000mAh side-by-side battery	BLU	For VECOTWINSP W: 59mm, H: 95mm, D: 35mm	1	1 / 1
	EB15	Ni-Cd 3.6V 2Ah 3-linked battery	WH	For SESMDLEM3 Ø: 23mm, L: 43mm (x3)	1	1 / 1
	EB16	Ni-Cd 3.6V 4.5Ah side by side battery	WH	For TSPOTLIP20 W: 60mm, H: 97mm, D: 34mm	1	1 / 1
	EB17	<b>Li-ion</b> 3.2V 1500mAh stick battery	BLU	For KEM3BULKLI, VECOEXIT3M Ø: 18mm, L: 70mm	1	1 / 1
	EB19	<b>Li-ion</b> 3.2V 1500mAh stick battery	BLU	For LDLEM3LI, SEMEM3 Ø: 18mm, L: 70mm	1	1 / 1
	EB20	<b>Li-ion</b> 6.4V 1500mAh stick battery	BLU	For EBPM3LI W: 100mm, H: 37mm, D: 21mm	1	1 / 1

# BATTERY REPLACEMENT SERVICE FROM ETERNA

*Eterna - helping your emergency lighting perform longer...*

## IMPORTANT OPERATIONAL CHECKS TO KEEP YOUR FITTING WORKING:

Periodic testing should be carried out to ensure emergency lighting is operating correctly. For the period of the test, isolate the power supply by operation of a key switch, or other isolation device. At the end of the test, power should be restored and all indicator lamps checked.

**DAILY:** Visual inspection of the battery charge LED.

**EACH MONTH:** Isolate the power supply for a period sufficient to ensure that each lamp is illuminated. Endorse the test record form supplied.

**ONCE EACH YEAR:** Isolate the power supply and check that the light is still illuminated after 3 hours. Endorse the test record form.

## BATTERY REPLACEMENT:

If after routine operation check, the lamp does not remain lit for the three hour period, a new battery pack may be required.

- Switch off the electricity at the mains, both switched and permanent supply.
- Allow batteries to fully discharge then reconnect to supply and allow to charge for 24 hours.
- Test again for 3 hours, if light does not remain lit change the battery pack.
- Check install guides for procedure on changing the battery.



**- WE ONLY RECOMMEND ETERNA REPLACEMENT BATTERIES WITH ETERNA EMERGENCY PRODUCTS -**

For more information please visit: [www.eterna-lighting.co.uk/battery-replacement-service/](http://www.eterna-lighting.co.uk/battery-replacement-service/)

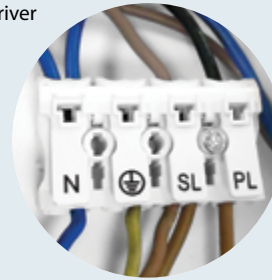
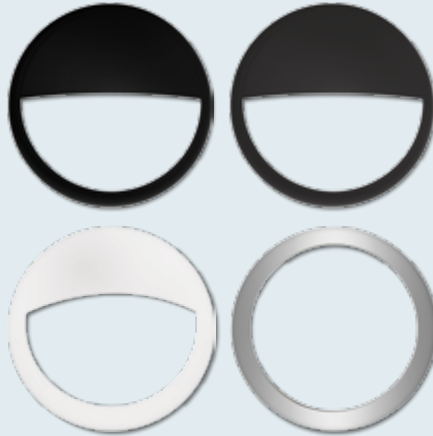
Picture	Code	Version	Colour	Specification	W	M / O
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**CHARA POWER & COLOUR TEMPERATURE SELECTABLE RANGE**

**CHA18 RANGE**

Offering 3 selectable power levels and 3 selectable colour temperatures, this versatile range offers the ultimate in practicality and multiple options from a single product. Suitable for interior or exterior installation the range of accessories ensures suitability for functional or decorative applications.

- All fittings come with a white full trim • Hinged LED array • Push fit terminal block
- Colour temperature selectable - options of 3000K, 4400K & 6500K easily set by a dip switch on the driver
- Power Selectable - options of 9W, 14W and 18W easily set by a dip switch on the driver
- Optional accessories available separately: black, white and grey eyelid trims or full chrome trim
- Enclosure rated as IK10 for impact resistance • Central BESA box mounting option on the base



	CHA18STD	Power & Colour temp. selectable std	WH	LED   40,000 hrs   IP65	5	1 / 10
	CHA18MW	Power & Colour temp. selectable + MW	WH		5	1 / 10
	CHA18EM3	Li-ion Power & Colour temp. selectable emergency	WH	9W   3000K (1000 lm)   4400K (1100 lm)   6500K (1100 lm)	5	1 / 10
	CHA18MW3	Li-ion Power & Colour temp. selectable MW + emergency	WH	14W   3000K (1500 lm)   4400K (1670 lm)   6500K (1640 lm)	5	1 / 10
	CHA18SD	Power & Colour temp. selectable Step Dim MW	WH	18W   3000K (1880 lm)   4400K (2130 lm)   6500K (2050 lm)	5	1 / 10
	CHA18SDEM3	Li-ion Power & Colour temp. selectable Step Dim MW + emergency	WH	Ø: 315mm, D: 73mm	5	1 / 10
	CHAEYEBK	Black eyelid trim	BK	All fittings come with a white full trim	1	1 / 1
	CHAEYEGY	Grey eyelid trim	GY		1	1 / 1
	CHAEYEWB	White eyelid trim	WH		1	1 / 1
	CHAFULLCR	Chrome full trim	CR		1	1 / 1









**CHARA COLOUR TEMPERATURE SELECTABLE RANGE**

	KCIRSTD	Colour temp. selectable std	WH	LED   14W   3000K (1550 lm)   4200K (1700 lm)   6300K (1600 lm)   40,000 hrs   IP65	5	1 / 10	
	KCIRMW	Colour temp. selectable MW	WH		Ø: 315mm, D: 73mm	5	1 / 10
	KCIREM3	Li-ion Colour temp. selectable emergency	WH		All fittings come with a white full trim	5	1 / 10
	KCIRMW3	Li-ion Colour temp. selectable MW + emergency	WH			5	1 / 10
	KCIREYEBK	Black eyelid trim	BK		1	1 / 1	
	KCIREYEGY	Grey eyelid trim	GY		1	1 / 1	
	KCIREYEWB	White eyelid trim	WH		1	1 / 1	
	KCIRFULLCR	Chrome full trim	CR		1	1 / 1	

**CASSI CIRCULAR RANGE**

	KCAS8WHFL	Full diffuser	WH	LED   8W   4000K   855 lm   30,000 hrs   IP54	5	1 / 40
	KCAS8BKFL	Full diffuser	BK		Ø: 173mm, D: 52mm	5
	KCAS14WHFL	Full diffuser	WH	LED   14W   4000K   1480 lm   30,000 hrs   IP54	5	1 / 20
	KCAS14BKFL	Full diffuser	BK		Ø: 228mm, D: 52mm	5
	KCAS14WHLV	Louvered trim	WH	LED   14W   4000K   1310 lm   30,000 hrs   IP54	5	1 / 20
	KCAS14BKLV	Louvered trim	BK		Ø: 228mm, D: 65mm	5







Picture	Code	Version	Colour	Specification	W	M / O
<b>CARINA CIRCULAR RANGE</b>						
	CSLEDCR	Colour temp. selectable standard	CR	LED   17W   35,000 hrs   IP65 3100K (1250 lm) 4200K (1350 lm) 6400K (1300 lm) Ø: 325mm, D: 110mm	5	1 / 8
	CSLEDWH	Colour temp. selectable standard	WH		5	1 / 8
	CSLEDCREM3	Li-ion Colour temp. selectable emergency	CR		5	1 / 8
	CSLEDWHEM3	Li-ion Colour temp. selectable emergency	WH		5	1 / 8
	MSCSLEDCR	Colour temp. selectable MW	CR		5	1 / 8
	MSCSLEDWH	Colour temp. selectable MW	WH		5	1 / 8
	MSCSLCREM3	Li-ion Colour temp. selectable MW + emergency	CR		5	1 / 8
	MSCSLWHEM3	Li-ion Colour temp. selectable MW + emergency	WH		5	1 / 8
	SDCSLEDCR	Colour temp. selectable Step Dim MW	CR		5	1 / 8
	SDCSLEDWH	Colour temp. selectable Step Dim MW	WH		5	1 / 8
	SDCSLCREM3	Li-ion Colour temp. selectable Step Dim MW + EM3	CR		5	1 / 8
	SDCSLWHEM3	Li-ion Colour temp. selectable Step Dim MW + EM3	WH		5	1 / 8
	CFLEDWHSC	Standard	WH	LED   17W   4200K   1350 lm   35,000 hrs   IP65 Ø: 325mm, D: 110mm	5	1 / 8
	MSLEDWHSC	MW sensor	WH		5	1 / 8
	CFLWHEM3SC	Li-ion Emergency	WH		5	1 / 8
	MSLWHEM3SC	Li-ion MW sensor + emergency	WH		5	1 / 8
	CFLEDMINSC	Standard compact Carina	WH	LED   9W   4200K   875 lm   40,000 hrs   IP65 Ø: 273mm, D: 90mm	5	1 / 10
	MSLEDMINSC	MW sensor compact Carina	WH		5	1 / 10
	MWSLIMLCR	MW sensor slim Carina	CR	LED   14W   4200K   1100 lm   35,000 hrs   IP65 Ø: 320mm, D: 80mm	5	1 / 8
<b>CHAMELEON CIRCULAR RANGE</b>						
	CO12SC	Standard	WH	LED   12W   4200K   1200 lm   35,000 hrs   IP65 Ø: 300mm, D: 90mm	5	1 / 10
	CO12SCPC	Photocell	WH		5	1 / 10
	CO12	Colour temp. selectable standard	WH	LED   12W   40,000 hrs   IP65 3100K (1180 lm) 4200K (1290 lm) 6400K (1230 lm) Ø: 300mm, D: 90mm	5	1 / 10
	CO12EM3	Li-ion Colour temp. selectable emergency	WH		5	1 / 10
	CO12MW	Colour temp. selectable MW	WH		5	1 / 10
	CO12MW3	Li-ion Colour temp. selectable MW + emergency	WH		5	1 / 10
	CO12PC	Colour temp. selectable photocell	WH		5	1 / 10
	CO18	Colour temp. selectable standard	WH	LED   18W   35,000 hrs   IP65 3100K (1580 lm) 4200K (1640 lm) 6400K (1600 lm) Ø: 300mm, D: 90mm	5	1 / 10
	CO18EM3	Li-ion Colour temp. selectable emergency	WH		5	1 / 10
	CO18MW	Colour temp. selectable MW	WH		5	1 / 10
	CO18MW3	Li-ion Colour temp. selectable MW + emergency	WH		5	1 / 10
	CO18PC	Colour temp. selectable photocell	WH		5	1 / 10
	GRILLWH	Grill trim	WH	With fitting: Ø: 342mm, D: 105mm	1	1 / 50
	GRILLBK	Grill trim	BK		1	1 / 50
	EYEW	Eyelid trim	WH	With fitting: Ø: 340mm, D: 95mm	1	1 / 50
	EYEBK	Eyelid trim	BK		1	1 / 50
	CIRCWH	Full trim	WH	With fitting: Ø: 340mm, D: 90mm	1	1 / 50
	CIRCBK	Full trim	BK		1	1 / 50
	CIRCCR	Full trim	CR		1	1 / 50
	CPRIS	Prismatic diffuser	TR		1	1 / 50

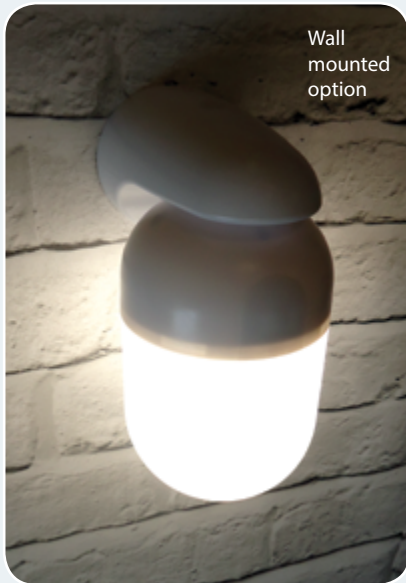
Picture	Code	Version	Colour	Specification	W	M / O
<b>SPARROWHAWK AMENITY RANGE</b>						
	SHFULLBK	Full diffuser standard	BK	LED   12W   4200K   800 lm   25,000 hrs   IP65 Ø: 305mm, D: 95mm	5	1 / 10
	SHFULLWH	Full diffuser standard	WH		5	1 / 10
	SHEYEBK	Eyelid diffuser standard	BK		5	1 / 10
	SHEYEW	Eyelid diffuser standard	WH		5	1 / 10
	SHFULLMWBK	Full diffuser MW sensor	BK		5	1 / 10
	SHFULLMWWH	Full diffuser MW sensor	WH		5	1 / 10
	SHEYEMWBK	Eyelid diffuser MW sensor	BK		5	1 / 10
	SHEYEMWWH	Eyelid diffuser MW sensor	WH		5	1 / 10
	MINIFULLWH	Full diffuser compact fitting	WH	LED   6W   4200K   380 lm   35,000 hrs   IP66 Ø: 215mm, D: 80mm	5	1 / 10
	MINIEYEBK	Eyelid diffuser compact fitting	BK	LED   6W   4200K   330 lm   35,000 hrs   IP66 Ø: 200mm, D: 80mm	5	1 / 10
<b>UTILITY CIRCULAR &amp; SQUARE</b>						
	CIROPALSTD	Circle opal diffuser standard	WH	LED   18W   4000K   1400 lm   35,000 hrs   IP65 Ø: 290mm, D: 100mm	5	1 / 1
	CIROPALMW	Circle opal diffuser MF MW sensor	WH		5	1 / 1
	CIROPALEM3	Li-ion Circle opal diffuser emergency	WH		5	1 / 1
	CIROPALMW3	Li-ion Circle opal diffuser emergency MF MW sensor	WH		5	1 / 1
	CIRPRISSTD	Circle prismatic diffuser standard	WH	LED   18W   4000K   1600 lm   35,000 hrs   IP65 Ø: 290mm, D: 100mm	5	1 / 1
	CIRPRISMW	Circle prismatic diffuser MF MW sensor	WH		5	1 / 1
	CIRPRISEM3	Li-ion Circle prismatic diffuser emergency	WH		5	1 / 1
	CIRPRISMW3	Li-ion Circle prismatic diffuser EM3 + MF MW sensor	WH		5	1 / 1
	SQOPALSTD	Square opal diffuser standard	WH	LED   18W   4000K   1400 lm   35,000 hrs   IP65 L: 250mm, W: 250mm, D: 100mm	5	1 / 1
	SQOPALMW	Square opal diffuser MF MW sensor	WH		5	1 / 1
	SQOPALEM3	Li-ion Square opal diffuser emergency	WH		5	1 / 1
	SQOPALMW3	Li-ion Square opal diffuser EM3 + MF MW sensor	WH		5	1 / 1
	SQPRISSTD	Square prismatic diffuser standard	WH	LED   18W   4000K   1600 lm   35,000 hrs   IP65 L: 250mm, W: 250mm, D: 100mm	5	1 / 1
	SQPRISMW	Square prismatic diffuser MF MW sensor	WH		5	1 / 1
	SQPRISEM3	Li-ion Square prismatic diffuser emergency	WH		5	1 / 1
	SQPRISMW3	Li-ion Square prismatic diffuser EM3 + MF MW sensor	WH		5	1 / 1

<b>ALUMINIUM AMENITY RANGE</b>						
	ALMFWHFUL	Full diffuser MW sensor	WH	LED   18W   4200K   1400 lm   35,000 hrs   IP65 Ø: 365mm, D: 100mm	5	1 / 1
	ALSTDWHEYE	Eyelid diffuser standard	WH	LED   18W   4200K   1300 lm   35,000 hrs   IP65 Ø: 365mm, D: 120mm	5	1 / 1
	ALMFWHEYE	Eyelid diffuser MW sensor	WH		5	1 / 1
	ALMF3WHEYE	Li-ion Eyelid diffuser emergency + MW sensor	WH		5	1 / 1
	ALSTDBKGRI	Grill diffuser standard	BK	LED   18W   4200K   1400 lm   35,000 hrs   IP65 Ø: 365mm, D: 130mm	5	1 / 1
	ALSTDWHGRI	Grill diffuser standard	WH		5	1 / 1
	ALEM3WHGRI	Li-ion Grill diffuser emergency	WH		5	1 / 1
	ALMFBKGRI	Grill diffuser MW sensor	BK		5	1 / 1
	ALMFWHGRI	Grill diffuser MW sensor	WH		5	1 / 1
	ALMF3BKGRI	Li-ion Grill diffuser emergency + MW sensor	BK		5	1 / 1

<b>BATHROOM CEILING LIGHTING</b>						
	PACIFIC12	LED	CR	LED   12W   3100K   800 lm   30,000 hrs   IP44 Ø: 305mm, D: 80mm	5	1 / 5

Picture	Code	Version	Colour	Specification	W	M / O
<b>CERAMIC UPLIGHTER</b>						
	CW3021	BC (B22)	WH	Lamp required: BC (B22)   100W max   IP20 L: 327mm, H: 130mm, D: 160mm	1	1 / 8
<b>POLYMER LANTERN RANGE</b>						
	L60B	ES (E27) standard full lantern	BK	Lamp required: ES (E27)   60W max   IP44 W: 177mm, H: 374mm, D: 228mm	1	1 / 12
	PIRL60BK	ES (E27) 110° PIR full lantern	BK		1	1 / 6
	HL60B	ES (E27) standard half lantern	BK	Lamp required: ES (E27)   60W max   IP44 W: 163mm, H: 360mm, D: 100mm	1	1 / 12
	HL60WH	ES (E27) standard half lantern	WH		1	1 / 12
	PIRHL60BK	ES (E27) 120° PIR half lantern	BK		1	1 / 12
	PIRHL60WH	ES (E27) 120° PIR half lantern	WH		1	1 / 12
	VECOFBK	Standard full lantern	BK	LED   7W   3100K   420 lm   35,000 hrs   IP44 W: 175mm, H: 400mm, D: 220mm	5	1 / 4
	VECOPIRBK	120° PIR full lantern	BK		5	1 / 4
	VECOHBK	Standard half lantern	BK	LED   7W   3100K   420 lm   35,000 hrs   IP44 W: 175mm, H: 360mm, D: 105mm	5	1 / 10
	VECOHPIRBK	120° PIR half lantern	BK		5	1 / 10
<b>ALUMINIUM LANTERNS</b>						
	ALULANT	Standard	BK	LED   8W   4000K   570 lm   30,000 hrs   IP44 W: 165mm, H: 235mm, D: 200mm	5	1 / 6
	ALULANTPIR	110° PIR	BK	LED   8W   4000K   570 lm   30,000 hrs   IP44 W: 165mm, H: 255mm, D: 230mm	5	1 / 6

**CORNER FIXTURE RANGE**



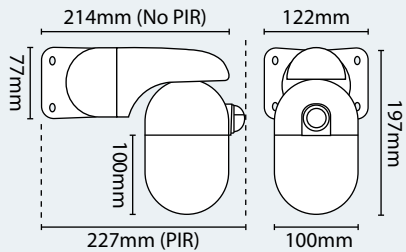
**WELLWH/BK RANGE**



Flexible and decorative range of fittings ideally suited for outdoor applications requiring corner lights













- Complete solution for flat wall or corner mounting: bracket included for optional corner mounting

**PIR Version:**

- Factory preset 120° PIR • 10 lux • 7 minutes duration • No override facility



	WELLWHSTD	Standard	WH	LED   10W   4000K   660 lm   25,000 hrs   IP65 W: 122mm, H: 197mm, D: 214mm	5	1 / 6
	WELLBKSTD	Standard	BK		5	1 / 6
	WELLWHPIR	120° PIR	WH	LED   10W   4000K   660 lm   25,000 hrs   IP65 W: 122mm, H: 197mm, D: 227mm	5	1 / 6
	WELLBKPIR	120° PIR	BK		5	1 / 6
	WGLEDBK	ES (E27) standard fitting	BK	Lamp included: 9.5W (23W max)   2700K 806 lm   25,000 hrs   IP65 W: 138mm, H: 250mm, D: 220mm	5	1 / 4
	WGLEDDWH	ES (E27) standard fitting	WH		5	1 / 4
	WELLDIFF	Replacement diffuser for WGLEDBK range	WH	Ø: 138mm, H: 165mm	1	1 / 4

Picture	Code	Version	Colour	Specification	W	M/O
<b>BRICKLIGHT RANGE</b>						
	SLICELONG	Surface long fitting	BK	LED   3W   4000K   188 lm   30,000 hrs   IP65 L: 230mm, H: 80mm, D: 25mm	5	1 / 24
	TRIMLONG	White trim for SLICELONG	WH	L: 230mm, H: 80mm, D: 25mm	1	1 / 40
	BRICKLED	Full bricklight	WH / STS	LED   5.4W   6000K   280 lm   20,000 hrs   IP65 L: 233mm, H: 105mm, D: 75mm	5	1 / 6
<b>SURFACE POLYMER AMENITY RANGE</b>						
	VECOWLW	Standard	WH	LED   6W   4000K   340 lm   30,000 hrs   IP65 L: 220mm, H: 110mm, D: 51mm	5	1 / 20
	VECOWLG	Standard	GY		5	1 / 20
	VECOWLPIRW	160° PIR	WH		5	1 / 20
	VECOWLPIRG	160° PIR	GY		5	1 / 20
<b>RECTANGULAR BULKHEAD RANGE</b>						
	BLEDBK	Standard	BK	LED   7W   3100K   500 lm   35,000 hrs   IP44 W: 115mm, H: 265mm, D: 110mm	5	1 / 10
	BLEDIRBK	120° PIR	BK		5	1 / 10
	VECOPIRBH	120° PIR	BK	LED   10W   4000K   700 lm   25,000 hrs   IP54 W: 120mm, H: 210mm, D: 65mm	5	1 / 12
	VECOBHLPC	Photocell	BK	LED   12W   3000K   900 lm   20,000 hrs   IP65 L: 244mm, H: 133mm, D: 110mm	5	1 / 12
	ATOM5	Compact	WH	LED   6W   4200K   450 lm   25,000 hrs   IP65 W: 115mm, H: 165mm, D: 75mm	5	1 / 20
	KRECBOPL		BK	LED   10W   4000K   1090 lm   40,000 hrs   IP65 W: 230mm, H: 110mm, D: 105mm	5	1 / 10
	BH100D	BC (B22)	BK	Lamp required: BC (B22)   100W Max   IP65 L: 240mm, H: 135mm, D: 110mm	1	6 / 12
	BH100DWH	BC (B22)	WH		1	6 / 12
	PIR80BK	BC (B22) 120° PIR	BK	Lamp required: BC (B22)   60W Max   IP44 W: 113mm, H: 270mm, D: 112mm	1	1 / 20
	BULKLED	Standard	BK	LED   11.2W   6500K   900 lm   30,000 hrs   IP65 W: 165mm, H: 265mm, D: 150mm	5	1 / 12
	BULKLEDPC	Photocell	BK		5	1 / 12
<b>HEAVY DUTY WALL PACK RANGE</b>						
	WPACKLED	Standard	BK	LED   30W   4200K   2000 lm   30,000 hrs   IP65 W: 260mm, H: 305mm, D: 130mm	5	1 / 4
	WPACKLEDPC	Photocell	BK		5	1 / 4

## SLIM WALL PACK RANGE

### WPCS RANGE

Slim profile, durable and high performance colour selectable wall pack offering reliability for outdoor utility applications.

- Colour temperature selectable - options of 3000K, 4000K & 6000K easily set by a dip switch on the driver
- ABS base and polycarbonate diffuser
- Slim design • Up to 90 lm / W
- Opal diffuser: evenly diffused light output
- 20mm cable entries on either side and one to the rear

### PHOTOCELL VERSIONS

- Photocell for dusk to dawn operation



	WPCSBK	Colour temp. selectable standard	BK	LED   17W   36,000 hrs   IP65 3000K (1500 lm) 4000K (1550 lm) 6000K (1530 lm) W: 185mm, H: 275mm, D: 70mm	5	1 / 10
	WPCSWH	Colour temp. selectable standard	WH		5	1 / 10
	WPCSBKPC	Colour temp. selectable photocell	BK		5	1 / 10
	WPCSWHPC	Colour temp. selectable photocell	WH		5	1 / 10





**NEW** For **ALL** Eterna LED lighting products we can offer our **FREE** lighting design scheme to meet your specific commercial needs, using Relux software. Contact us for more details.



## FREE LIGHTING DESIGN SERVICE AVAILABLE

[www.eterna-lighting.co.uk/lighting-design-schemes/](http://www.eterna-lighting.co.uk/lighting-design-schemes/)

Picture	Code	Version	Colour	Specification	W	M/O
<b>600X600 EDGE LIT TP(B)</b>						
	600P3K	600x600 Standard TP(b) Lifud driver	WH	LED   36W   3000K   3400 lm   30,000 hrs W: 595mm, H: 595mm, D: 10mm	5	1 / 5
	600P4K	600x600 Standard TP(b) Lifud driver	WH	LED   36W   4000K   3600 lm   30,000 hrs W: 595mm, H: 595mm, D: 10mm	5	1 / 5
	600P5K	600x600 Standard TP(b) Lifud driver	WH	LED   36W   5000K   3600 lm   30,000 hrs W: 595mm, H: 595mm, D: 10mm	5	1 / 5
<b>600X600 EDGE LIT TP(A)</b>						
	600P4KA	600x600 Standard TP(a) Philips driver	WH	LED   36W   4000K   3600 lm   30,000 hrs W: 595mm, H: 595mm, D: 10mm	5	1 / 5
<b>600X600 LOW GLARE &amp; TP EXEMPT</b>						
	600P4KTPU	600x600 Low glare UGR<19 louvered	WH	LED   30W   4000K   3150 lm   40,000 hrs   IP20 W: 595mm, H: 595mm, D: 10mm	5	1 / 5
<b>600X600 BACKLIT</b>						
	VEGOPANBL	600x600 Backlit 35mm depth	WH	LED   36W   4000K   3450 lm   30,000 hrs   IP20 W: 595mm, H: 595mm, D: 35mm	5	1 / 6
	KPANBL	600x600 Backlit 35mm depth	WH	LED   36W   4000K   3450 lm   30,000 hrs   IP20 W: 595mm, H: 595mm, D: 35mm	5	1 / 6
<b>PANEL ACCESSORIES</b>						
	SUSPACK	1m cable length suspension pack 2 x required for 1200x600 panels	CR	Panel max suspension height: 940mm	1	1 / 100
	SURFMK	Surface mounting kit (supplied in kit form)	WH	W: 600mm, H: 600mm, D: 50mm	1	1 / 20
<b>1200X600 EDGE LIT TP(B)</b>						
	1200P4K	1200x600 Standard TP(b) Lifud driver	WH	LED   60W   4000K   4800 lm   35,000 hrs W: 1195mm, H: 595mm, D: 10mm	5	1 / 3
<b>EMERGENCY BATTERY PACKS</b>						
	EBPM3	Standard	WH	10-60V 100W Max L: 250mm, H: 110mm, D: 55mm	2	1 / 1
	SEEBPM3	<b>Self-Test</b>	WH		2	1 / 1
	EBPM3LI	<b>Li-ion</b> See below for more details	WH	18-60Vdc Maximum 150W L: 338mm, H: 45mm, D: 80mm	2	1 / 40

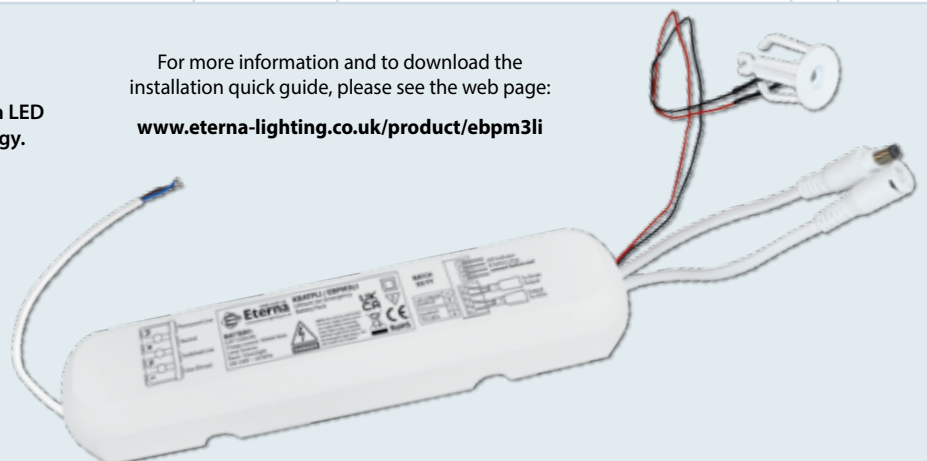
### EBPM3LI

Compact & lightweight emergency back up pack for use with LED panels & downlights incorporating Lithium battery technology.

- LiFePO4 Lithium battery technology offering reduced energy consumption, enhanced charging cycle capacity & improved operational life compared to standard NiCad products
- 3 hour maintained or non maintained operation
- Charging LED housed in recessed holder allowing placement adjacent to luminaire
- Enables LED luminaires to be converted to emergency, rated: 18-60Vdc maximum 150W load
- Push twist & lock plug in system for quick & easy installation
- Tough polycarbonate enclosure • Li-ion 6.4V 1500mAh

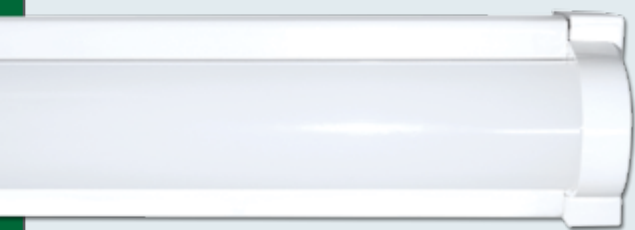
For more information and to download the installation quick guide, please see the web page:

[www.eterna-lighting.co.uk/product/ebpm3li](http://www.eterna-lighting.co.uk/product/ebpm3li)



Picture	Code	Version	Colour	Specification	W	M / O
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**S2 CLASSIC DESIGN LED BATTENS**



Emergency module glows green in standby mode



Bright white glow in emergency mode

**BATLED RANGE**

Full photometric data available to enable lighting designs. Light output is equivalent or superior to traditional fluorescent battens.

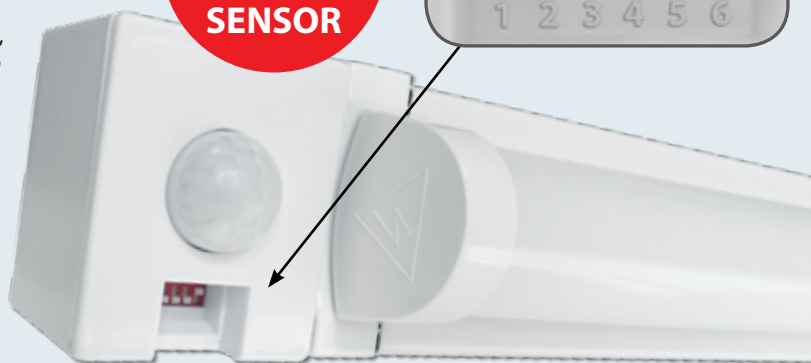
- Pressed steel body and polycarbonate diffuser
- LED tray can be removed from the housing for easy installation
- 20mm knockout glands at each end for through wiring options
- BESA box mounting • Gear tray retaining straps
- Push terminal connections

**EMERGENCY LI-ION VERSIONS:**

- LiFePO4 Lithium battery technology offering reduced energy consumption, enhanced charging cycle capacity & improved operational life compared to standard NiCad products
- Built-in battery overcharge protection • 3 hour non maintained operation
- Integrated green charging indicator LED
- 160 lm in emergency mode
- 3.2V 1500mAh Lithium Ion battery

**BATLEDPIR:**





- Robust polycarbonate construction
- Time-on adjustable: 30 secs, 3 mins, 5 mins, 8 mins
- Night & day or night only options selectable
- Detection range 3-6 metres • 100° detection area



	BATLED4FT	4ft standard	WH	LED   23W   4200K   2950 lm   35,000 hrs   IP20 L: 1170mm, H: 73mm, D: 60mm	5	1 / 6
	BATLED5FT	5ft standard	WH	LED   38W   4200K   4750 lm   35,000 hrs   IP20 L: 1460mm, H: 73mm, D: 60mm	5	1 / 6
	BATLED6FT	6ft standard	WH	LED   48W   4200K   6050 lm   35,000 hrs   IP20 L: 1730mm, H: 73mm, D: 60mm	5	1 / 6
	BATLED5HO	5ft high output standard	WH	LED   60W   4200K   7550 lm   35,000 hrs   IP20 L: 1460mm, H: 73mm, D: 60mm	5	1 / 6
	BATLED6HO	6ft high output standard	WH	LED   65W   4200K   8450 lm   35,000 hrs   IP20 L: 1730mm, H: 73mm, D: 60mm	5	1 / 6
	BATL4FTEM3	Li-ion 4ft emergency	WH	LED   23W   4200K   2950 lm   35,000 hrs   IP20 L: 1170+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATL5FTEM3	Li-ion 5ft emergency	WH	LED   38W   4200K   4750 lm   35,000 hrs   IP20 L: 1460+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATL6FTEM3	Li-ion 6ft emergency	WH	LED   48W   4200K   6050 lm   35,000 hrs   IP20 L: 1730+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATL5HOEM3	Li-ion 5ft high output emergency	WH	LED   60W   4200K   7550 lm   35,000 hrs   IP20 L: 1460+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATL6HOEM3	Li-ion 6ft high output emergency	WH	LED   65W   4200K   8450 lm   35,000 hrs   IP20 L: 1730+90mm, H: 73mm, D: 60mm	5	1 / 6
	BATLEDPIR	Add-on PIR sensor For BATLED range	WH	W 50mm, H: 60mm, D: 53mm	1	1 / 6

**CLASSIC DESIGN LED SELF-TEST BATTENS**

	SELB4FTEM3	Self-Test 4ft emergency	WH	LED   23W   4200K   2930 lm   35,000 hrs   IP20 L: 1170+60mm, H: 73mm, D: 60mm	5	1 / 6
	SELB5FTEM3	Self-Test 5ft emergency	WH	LED   38W   4200K   4800 lm   35,000 hrs   IP20 L: 1460+60mm, H: 73mm, D: 60mm	5	1 / 6
	SELB6FTEM3	Self-Test 6ft emergency	WH	LED   48W   4200K   6000 lm   35,000 hrs   IP20 L: 1730+60mm, H: 73mm, D: 60mm	5	1 / 6
	SELB5HOEM3	Self-Test 5ft high output emergency	WH	LED   65W   4200K   7900 lm   35,000 hrs   IP20 L: 1460+60mm, H: 73mm, D: 60mm	5	1 / 6
	SELB6HOEM3	Self-Test 6ft high output emergency	WH	LED   70W   4200K   8600 lm   35,000 hrs   IP20 L: 1730+60mm, H: 73mm, D: 60mm	5	1 / 6

Picture	Code	Version	Colour	Specification	W	M/O
<b>ELEGANT DESIGN LED BATTENS</b>						
	ELEGANCE5	5ft standard	WH	LED   50W   4000K   5000 lm   40,000 hrs   IP20 L: 1503mm, H: 127mm, D: 43mm	5	1 / 6
	ELEGAN5EM3	5ft emergency	WH		5	1 / 6
	ELESUSPACK	1m length cable suspension pack	CR		1	1 / 100
	VECOCSBAT5	5ft <b>Colour temp. selectable</b>	MS	LED   58W   30,000 hrs   IP42   3000K (5000 lm) 4000K (5900 lm) / 6800K (5350 lm) L: 1480mm, W: 78mm, D: 35mm	5	1 / 10
<b>SMOOTH DESIGN LED BATTENS</b>						
	VECOBAT4FT	4ft standard	WH	LED   18W   4000K   1800 lm   30,000 hrs   IP20 L: 1185mm, H: 67mm, D: 58mm	5	1 / 6
	VECOBAT5FT	5ft standard	WH	LED   24W   4000K   2400 lm   30,000 hrs   IP20 L: 1480mm, H: 67mm, D: 58mm	5	1 / 6
	VECOBAT6FT	6ft standard	WH	LED   32W   4000K   3400 lm   30,000 hrs   IP20 L: 1750mm, H: 67mm, D: 58mm	5	1 / 6
	VECOBAT5HO	5ft high output	WH	LED   48W   4000K   4000 lm   30,000 hrs   IP20 L: 1480mm, H: 67mm, D: 58mm	5	1 / 6
	VECOBAT6HO	6ft high output	WH	LED   64W   4000K   5200 lm   30,000 hrs   IP20 L: 1750mm, H: 67mm, D: 58mm	5	1 / 6
<b>SLIM T8 LED BATTENS</b>						
	T8LED16	900mm / 3ft	MS / WH	LED   16W   4000K   1280 lm   20,000 hrs   IP20 L: 900mm, H: 45mm, D: 30mm	5	1 / 20
	T8LED20	1200mm / 4ft	MS / WH	LED   20W   4000K   1600 lm   20,000 hrs   IP20 L: 1200mm, H: 45mm, D: 30mm	5	1 / 20
	T8LED24	1500mm / 5ft	MS / WH	LED   24W   4000K   2100 lm   20,000 hrs   IP20 L: 1500mm, H: 45mm, D: 30mm	5	1 / 20





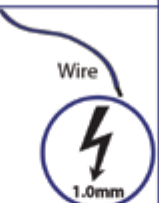
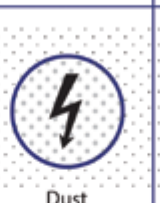

SPEC SHEETS, PHOTOMETRIC DATA & INSTALL GUIDES CAN ALL BE DOWNLOADED FROM THE WEBSITE





The IP Rating system provides a means of classifying the degrees of protection from dust, water and impact afforded by electrical equipment and enclosures


IPXX

**FIRST NO. PROTECTION AGAINST SOLID OBJECTS**

0	1	2	3	4	5	6
						
No Protection	Full penetration of 50mm diameter sphere not allowed. Contact with hazardous parts not permitted.	Full penetration of 12.5mm diameter sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts.	The access probe of 2.5mm diameter shall not penetrate.	The access probe of 1.0mm diameter shall not penetrate.	Limited ingress of dust permitted (no harmful deposit).	Totally protected against the ingress of dust.


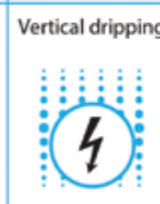







**Examples**

 IPX1  IP44


 IP65

**IPX4**

**SECOND NO. PROTECTION AGAINST LIQUIDS**

0	1	2	3	4	5	6	7	8
								
No Protection	Protected against vertically falling drops of water. Limited ingress permitted.	Protected against vertically falling drops of water with the enclosure tilted 15° from the vertical. Limited ingress permitted.	Protected against sprays to 60° from the vertical. Limited ingress permitted.	Protected against water splashed from all directions. Limited ingress permitted.	Protected against jets of water. Limited ingress permitted.	Protected against strong jets of water. Limited ingress permitted.	Protected against the effects of immersion between 15cm and 1m.	Protected against long periods of immersion under pressure.

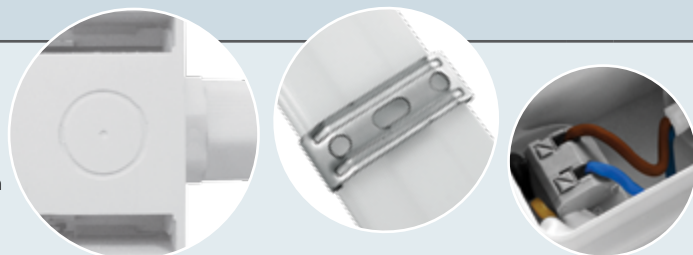


Picture	Code	Version	Colour	Specification	W	M / O
<b>WEATHERPROOF LED BATTENS - SEE MORE INFO ON PAGE 6</b>						
	KWPSIN5	5ft single standard	GY	LED   30W   4000K   3180 lm   40,000 hrs   IP65 L: 1560mm, H: 82mm, D: 90mm	5	1 / 6
	KWPEM3SIN5	<b>Li-ion</b> 5ft single emergency	GY		5	1 / 1
	KWPSIN6	6ft single standard	GY	LED   35W   4000K   3680 lm   40,000 hrs   IP65 L: 1830mm, H: 82mm, D: 90mm	5	1 / 6
	KWPEM3SIN6	<b>Li-ion</b> 6ft single emergency	GY		5	1 / 1
	KWPTWI5	5ft twin standard	GY	LED   58W   4000K   6020 lm   40,000 hrs   IP65 L: 1560mm, H: 82mm, D: 135mm	5	1 / 6
	KWPEM3TWI5	<b>Li-ion</b> 5ft twin emergency	GY		5	1 / 1
	KWPTWI6	6ft twin standard	GY	LED   68W   4000K   6980 lm   40,000 hrs   IP65 L: 1830mm, H: 82mm, D: 135mm	5	1 / 6
	KWPEM3TWI6	<b>Li-ion</b> 6ft twin emergency	GY		5	1 / 1

## NANO UTILITY WEATHERPROOF LED BATTENS


### KNANO RANGE

- Tough polycarbonate construction
- Push fit terminal connections for quick installation
- Cable gland included




	KNANOIP2FT	2ft	WH	LED   15W   4000K   1800 lm   40,000 hrs   IP65 L: 600mm, H: 38mm, D: 48mm	5	1 / 20
	KNANOIP4FT	4ft	WH	LED   20W   4000K   1800 lm   40,000 hrs   IP65 L: 1200mm, H: 38mm, D: 48mm	5	1 / 20
	KNANOIP5FT	5ft	WH	LED   25W   4000K   1800 lm   40,000 hrs   IP65 L: 1500mm, H: 38mm, D: 48mm	5	1 / 20


## S2 WEATHERPROOF LED BATTENS

	WP41	4ft single standard	GY	LED   19W   4000K   1950 lm   40,000 hrs   IP65 L: 1260mm, H: 82mm, D: 90mm	5	1 / 1
	WP42	4ft twin standard	GY	LED   38W   4000K   3880 lm   40,000 hrs   IP65 L: 1260mm, H: 82mm, D: 135mm	5	1 / 1
	WP51	5ft single standard	GY	LED   30W   4000K   3180 lm   40,000 hrs   IP65 L: 1560mm, H: 82mm, D: 90mm	5	1 / 1
	WP52	5ft twin standard	GY	LED   58W   4000K   6020 lm   40,000 hrs   IP65 L: 1560mm, H: 82mm, D: 135mm	5	1 / 1
	WP61	6ft single standard	GY	LED   35W   4000K   3680 lm   40,000 hrs   IP65 L: 1830mm, H: 82mm, D: 90mm	5	1 / 1
	WP62	6ft twin standard	GY	LED   68W   4000K   6980 lm   40,000 hrs   IP65 L: 1830mm, H: 82mm, D: 135mm	5	1 / 1

## CLASSIC DESIGN WEATHERPROOF LED BATTENS

	WPLED51	5ft single	GY	LED   30W   5000K   3000 lm   30,000 hrs   IP65 L: 1560mm, W: 90mm, H: 95mm	5	1 / 6
	WPLED51SD	5ft single 10% step dim MW sensor	GY		5	1 / 6
	WP51SDEM3	<b>Li-ion</b> 5ft single emergency + 10% step dim MW	GY		5	1 / 6
	WPLEDEM361	<b>Li-ion</b> 6ft single emergency	GY	LED   40W   5000K   4000 lm   30,000 hrs   IP65 L: 1830mm, W: 90mm, H: 95mm	5	1 / 6
	WPLED61SD	6ft single 10% step dim MW sensor	GY		5	1 / 6
	WP61SDEM3	<b>Li-ion</b> 6ft single emergency + 10% step dim MW	GY		5	1 / 6

## CLIPLESS MODERN WEATHERPROOF LED BATTENS

	VECO5WPSI2	5ft single	GY	LED   30W   4000K   2900 lm   40,000 hrs   IP65 L: 1480mm, H: 67mm, D: 59mm	5	1 / 10
	VECO5WPTW2	5ft twin	GY	LED   45W   4000K   4300 lm   40,000 hrs   IP65 L: 1500mm, H: 68mm, D: 100mm	5	1 / 6
	VECO6WPSI2	6ft single	GY	LED   48W   4000K   4500 lm   40,000 hrs   IP65 L: 1800mm, H: 68mm, D: 100mm	5	1 / 6
	VECO6WPTW2	6ft twin	GY	LED   65W   4000K   6200 lm   40,000 hrs   IP65 L: 1800mm, H: 68mm, D: 100mm	5	1 / 6
	VECOWP5FT	5ft single	WH	LED   45W   4000K   4400 lm   30,000 hrs   IP65 L: 1500mm, H: 35mm, D: 52mm	5	1 / 20



Picture	Code	Version	Colour	Specification	W	M / O
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**COMMERCIAL FLOODLIGHTS**

**FLOODW RANGE**

Robust high output floodlight range offering performance and durability for industrial and commercial applications.

- High Power LED Chip array: which is better suited to these higher power ratings, where the large physical size of the housing and chip array maximises performance available from this technology
- 4000K colour temperature: bright light without the harsh effect of higher colour temperature products
- Over 108 Lumens per circuit Watt
- Die cast aluminium construction, toughened safety glass lens
- Pre-wired with 80cm of cable • IES file available



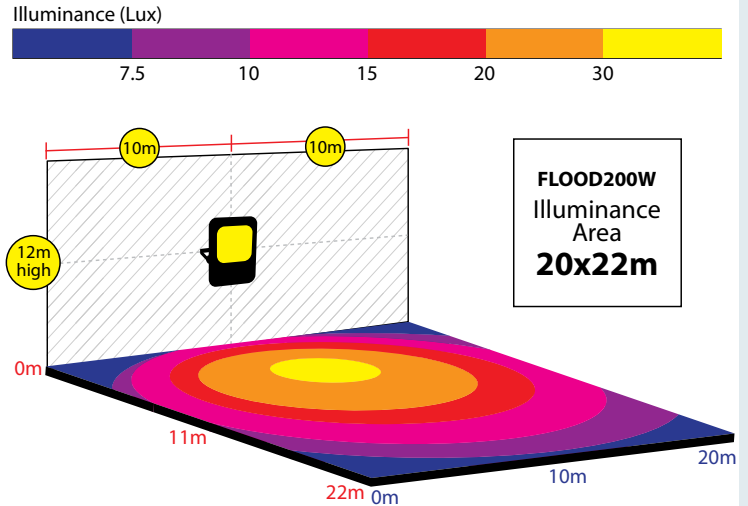
See website for the other floodlight illuminance area diagrams

**FLOOD200W Illuminance Area**

**EXAMPLE FOR MEDIUM TRAFFIC PARKING AREAS**

**≥10 LUX AVERAGE**

General circulation areas at outdoor work places



**Based On Maintenance Factor 0.8 / Floodlight Angle: 63°**

	FLOOD50W	PERFECT FOR INDUSTRIAL & COMMERCIAL APPLICATIONS	BK	LED   50W   4000K   5400 lm   25,000 hrs   IP65 W: 184mm, H: 195mm, D: 136mm (incl bracket)	5	1 / 6
	FLOOD80W		BK	LED   80W   4000K   9400 lm   25,000 hrs   IP65 W: 234mm, H: 248mm, D: 220mm (incl bracket)	5	1 / 4
	FLOOD120W	PERFECT FOR WHEN A HIGHER MOUNTING HEIGHT IS REQUIRED	BK	LED   120W   4000K   14500 lm   25,000 hrs   IP65 W: 314mm, H: 328mm, D: 220mm (incl bracket)	5	1 / 1
	FLOOD200W		BK	LED   200W   4000K   23000 lm   25,000 hrs   IP65 W: 422mm, H: 475mm, D: 310mm (incl bracket)	5	1 / 1

**LED FLOODLIGHTS WITH ADD ON PIR OPTION**

**KFLD RANGE**

- Aluminium body with tempered glass diffuser
- Pre-wired with 30cm 3 core flex


**KFLDPIR:**


- Vertically and horizontally adjustable PIR
- Time on adjustment: 10 sec ± 3 sec - 7 min ± 2 min
- Lux level adjustments: 5 Lux ~ 2000 Lux
- 120° detection angle • 10 metre detection range



	KFLD10	Standard	BK	LED   10W   4000K   900 lm   25,000 hrs   IP65 W: 101mm, H: 82mm, D: 55mm (incl bracket)	5	1 / 60
	KFLD20	Standard	BK	LED   20W   4000K   1800 lm   25,000 hrs   IP65 W: 120mm, H: 94mm, D: 75mm (incl bracket)	5	1 / 40
	KFLD30	Standard	BK	LED   30W   4000K   2800 lm   25,000 hrs   IP65 W: 158mm, H: 121mm, D: 78mm (incl bracket)	5	1 / 30
	KFLD50	Standard	BK	LED   50W   4000K   4500 lm   25,000 hrs   IP65 W: 203mm, H: 158mm, D: 100mm (incl bracket)	5	1 / 20
	KFLDPIR	120° PIR attachment	BK	W: 64mm, H: 76mm, D: 48mm	5	1 / 20

Picture	Code	Version	Colour	Specification	W	M / O
<b>FLEXIBLE BRACKET STANDARD FLOODLIGHTS</b>						
	FLD10BK	Standard	BK	LED   10W   4000K   800 lm   25,000 hrs   IP65 W: 108mm, H: 79mm, D: 89mm (incl bracket)	5	1 / 40
	FLD10WH	Standard	WH		5	1 / 40
	FLD20BK	Standard	BK	LED   20W   4000K   1600 lm   25,000 hrs   IP65 W: 138mm, H: 100mm, D: 89mm (incl bracket)	5	1 / 20
	FLD20WH	Standard	WH		5	1 / 20
	FLD30BK	Standard	BK	LED   30W   4000K   2400 lm   25,000 hrs   IP65 W: 179mm, H: 128mm, D: 119mm (incl bracket)	5	1 / 10
	FLD30WH	Standard	WH		5	1 / 10
	FLD50BK	Standard	BK	LED   50W   4000K   4000 lm   25,000 hrs   IP65 W: 214mm, H: 154mm, D: 124mm (incl bracket)	5	1 / 10
	FLD50WH	Standard	WH		5	1 / 10

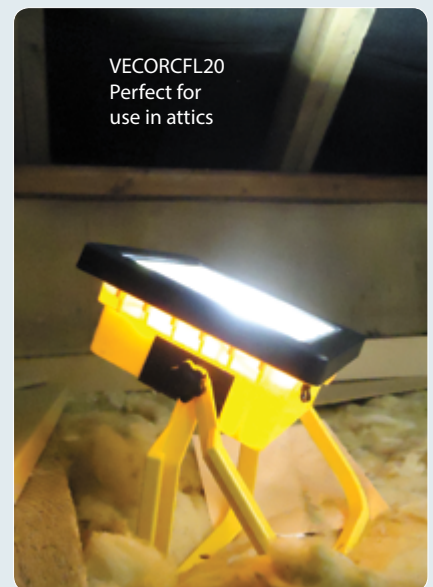
<b>FLEXIBLE BRACKET PIR CONTROL FLOODLIGHTS</b>						
	FLD10PIRBK	120° PIR	BK	LED   10W   4000K   800 lm   25,000 hrs   IP44 W: 108mm, H: 130mm, D: 89mm (incl bracket)	5	1 / 20
	FLD10PIRWH	120° PIR	WH		5	1 / 20
	FLD20PIRBK	120° PIR	BK	LED   20W   4000K   1600 lm   25,000 hrs   IP44 W: 138mm, H: 149mm, D: 89mm (incl bracket)	5	1 / 10
	FLD20PIRWH	120° PIR	WH		5	1 / 10
	FLD30PIRBK	120° PIR	BK	LED   30W   4000K   2400 lm   25,000 hrs   IP44 W: 179mm, H: 175mm, D: 119mm (incl bracket)	5	1 / 10
	FLD30PIRWH	120° PIR	WH		5	1 / 10
	FLD50PIRWH	120° PIR	WH	LED   50W   4000K   4000 lm   25,000 hrs   IP44 W: 214mm, H: 205mm, D: 124mm (incl bracket)	5	1 / 10


<b>ECONOMIC RANGE FLOODLIGHTS</b>						
	VECOFLD10	Standard	BK	LED   10W   4000K   850 lm   25,000 hrs   IP65 W: 100mm, H: 76mm, D: 25mm +bracket	5	1 / 40
	VECOFLD20	Standard	BK	LED   20W   4000K   1700 lm   25,000 hrs   IP65 W: 132mm, H: 98mm, D: 26mm +bracket	5	1 / 30
	VECOFLD50	Standard	BK	LED   50W   4000K   4250 lm   25,000 hrs   IP65 W: 218mm, H: 160mm, D: 28mm +bracket	5	1 / 20
	VECOF10PIR	120° PIR	BK	LED   10W   4000K   850 lm   25,000 hrs   IP44 W: 100mm, H: 76mm, D: 25mm +bracket +PIR	5	1 / 40
	VECOF20PIR	120° PIR	BK	LED   20W   4000K   1700 lm   25,000 hrs   IP44 W: 132mm, H: 98mm, D: 26mm +bracket +PIR	5	1 / 30
	VECOF30PIR	120° PIR	BK	LED   30W   4000K   2500 lm   25,000 hrs   IP44 W: 172mm, H: 125mm, D: 28mm +bracket +PIR	5	1 / 20
	VECOF50PIR	120° PIR	BK	LED   50W   4000K   4250 lm   25,000 hrs   IP44 W: 218mm, H: 160mm, D: 28mm +bracket +PIR	5	1 / 20

## RECHARGEABLE RANGE FLOODLIGHTS

### VECORCFL RANGE

- ABS housing • Safety glass cover
- 10W: 2 x 18650 Li-ion battery - 3.7V, capacity 2200mAh
- 20W: 4 x 18650 Li-ion battery - 7.4V, capacity 4400mAh
- 4 hours illumination (with full charge)
- Charge times from full discharge are as follows:  
6 hours (mains charger) / 6 hours (car charger)
- IP44: enables internal and external use
- Comes complete with mains charger and car charger



	VECORCFL10	Mains and car charger included	YW	LED   10W   4000K   650 lm   30,000 hrs   IP44 W: 114mm, H: 114mm, D: 56mm +stand	5	1 / 20
	VECORCFL20		YW	LED   20W   4000K   1500 lm   30,000 hrs   IP44 W: 160mm, H: 160mm, D: 68mm +stand	5	1 / 20

Picture	Code	Version	Colour	Specification	W	M/O
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**HIGH BAY RANGE**

**HBAYLIN**








Long life, high performance luminaire offering low energy consumption and high lumen output at 143 lumens per watt. Ideal replacement for traditional HID metal halide fittings. For use in racked areas of warehouses or many other applications such as manufacturing, leisure facilities and retail environments.

- Aluminium housing, polycarbonate lens cover
- Supplied with 1.5m mains cable • Includes adjustable hanging kit (1.5m length)
- Includes ceiling/wall tilt brackets • IES files available • 143lm/W



Ceiling/wall tilt brackets & 1.5m Suspension kit included with the HBAYLIN fitting



	HBAYLIN	Linear high bay with 90° lens, ceiling/wall tilt brackets	BK	LED   150W   6300K   21460 lm   40,000 hrs   IP65 L: 850mm, H: 110mm, D: 68mm	5	1 / 4
	HBCIR100	Samsung SMD LEDs	BK	LED   100W   4000K   14850 lm   30,000 hrs   IP65 IK08   Ø: 254mm, H: 182mm	5	1 / 1
	HBCIR150	Samsung SMD LEDs	BK	LED   150W   4000K   21000 lm   30,000 hrs   IP65 IK08   Ø: 254mm, H: 182mm	5	1 / 1
	HBCIR150PP	Philips Lumileds SMD LEDs, Lifud driver	BK	LED   150W   4000K   25400 lm   50,000 hrs   IP65 IK08   Ø: 260mm, H: 182mm	5	1 / 1
	HBCIRDIF90	90° aluminium reflector	CR	Ø: 355mm, H: 130mm	1	1 / 20
	HBAYLEDCIR	Philips Lumileds LED chips, Meanwell driver	BK	LED   150W   4000K   18500 lm   30,000 hrs   IP65 IK09   Ø: 260mm, H: 235mm	5	1 / 2
	HBDIFALU90	90° aluminium reflector	CR	Ø: 455mm, H: 125mm	1	1 / 8

**LOW BAY RANGE**

	LEDLBAY30		BK	LED   30W   4000K   3050 lm   35,000 hrs   IP40 L: 371mm, H: 81mm, W: 103mm	5	1 / 10
	LEDLBAY50		BK	LED   50W   4000K   5100 lm   35,000 hrs   IP40 L: 522mm, H: 81mm, W: 103mm	5	1 / 8
	LEDLBAY80		BK	LED   80W   4000K   8150 lm   35,000 hrs   IP40 L: 820mm, H: 81mm, W: 103mm	5	1 / 6
	LEDLBAY120		BK	LED   120W   4000K   12200 lm   35,000 hrs   IP40 L: 1220mm, H: 81mm, W: 103mm	5	1 / 4
	LBB3050	1 x 283mm fixing bracket for LEDLBAY30/50	BK	Bracket lengths shown do not include the bolts	1	1 / 20
	LBB80	1 x 530mm fixing bracket for LEDLBAY80	BK		1	1 / 20
	LBB120	2 x 224mm fixing brackets for LEDLBAY120	BK		1	1 / 40



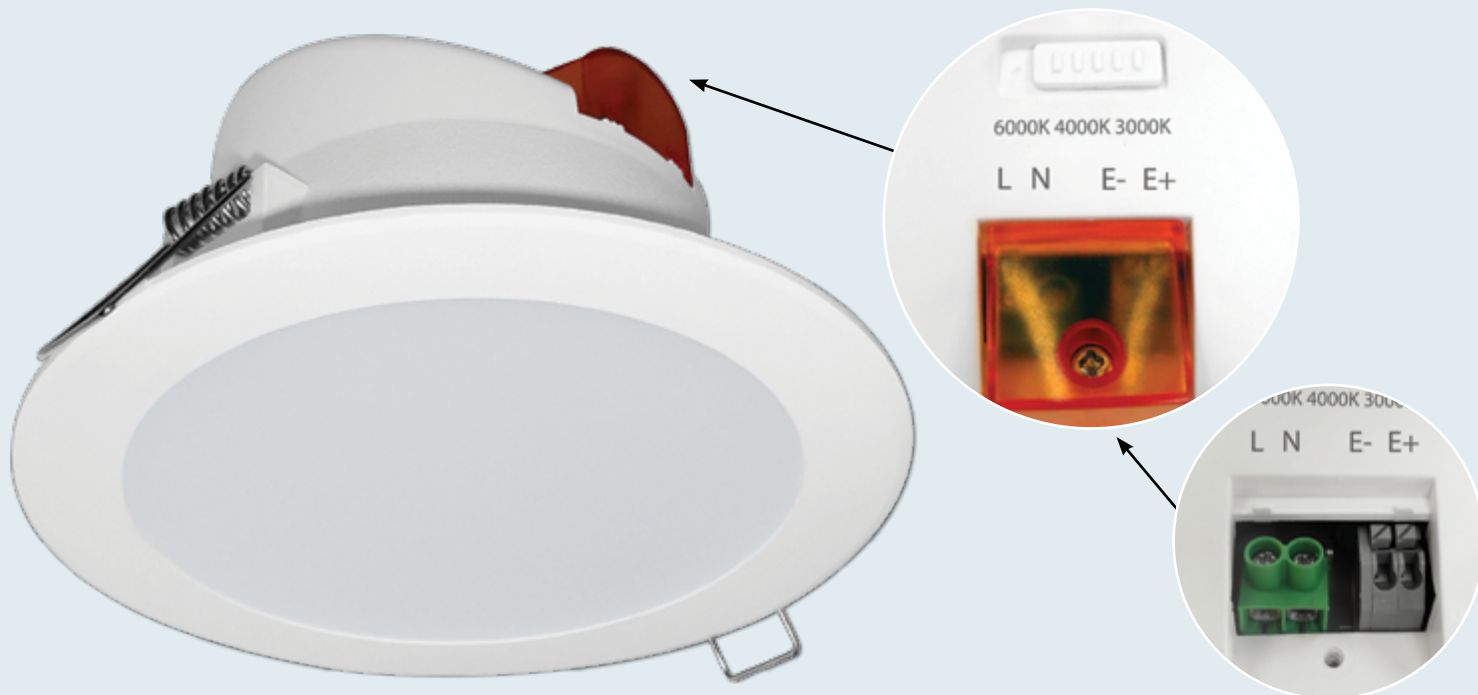
Picture	Code	Version	Colour	Specification	W	M / O
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## COLOUR TEMPERATURE SELECTABLE COMMERCIAL DOWNLIGHTS

### KCOMCS RANGE

This range is ideal for many applications, with high lumen efficiency for enhanced energy saving and colour temperature selection allowing the desired lighting effect to be chosen on installation.

- Tough Polypropylene construction • Colour temperature selectable - options of 3000K/4000K/6000K
- High CRI rating of >80, making them perfect for retail applications, minimising colour distortion • Dimmable
- Hole cut out size: 8W: 110mm, 13W: 165mm, 18W: 205mm • Lumen efficacy of up to 113 lm / W
- Integral terminal connections E- & E+ allow luminaire to be used in 3 hour emergency mode when used with EBPM3, SEEBPM3 or EBPM3LI battery packs



	KCOMCS8	<b>Colour temp. selectable</b> Hole cut out size: 110mm	WH	LED   8W   40,000 hrs   IP44   3000K (845 lm) 4000K (870 lm) / 6000K (847 lm) Ø: 135mm, D: 70mm	5	1 / 30
	KCOMCS13	<b>Colour temp. selectable</b> Hole cut out size: 165mm	WH	LED   13W   40,000 hrs   IP44   3000K (1401 lm) 4000K (1475 lm) / 6000K (1442 lm) Ø: 200mm, D: 97mm	5	1 / 20
	KCOMCS18	<b>Colour temp. selectable</b> Hole cut out size: 205mm	WH	LED   18W   40,000 hrs   IP44   3000K (1985 lm) 4000K (2030 lm) / 6000K (2025 lm) Ø: 250mm, D: 105mm	5	1 / 12

	COMRCS15	<b>Colour temp. selectable</b> Hole cut out size: 130mm	WH	LED   15W   45,000 hrs   IP54   3000K (1590 lm) 4000K (1710 lm) / 6000K (1640 lm) Ø: 150mm, D: 68mm	5	1 / 20
	COMRCS25	<b>Colour temp. selectable</b> Hole cut out size: 150mm	WH	LED   25W   45,000 hrs   IP54   3000K (2490 lm) 4000K (2685 lm) / 6000K (2580 lm) Ø: 170mm, D: 72mm	5	1 / 20
	COMRCS35	<b>Colour temp. selectable</b> Hole cut out size: 200mm	WH	LED   35W   45,000 hrs   IP54   3000K (3575 lm) 4000K (3850 lm) / 6000K (3690 lm) Ø: 225mm, D: 90mm	5	1 / 10

## CLEAR DIFFUSER COMMERCIAL DOWNLIGHTS

	COMDL15	Hole cut out size: 100mm	WH	LED   15W   4000K   1705 lm   30,000 hrs   IP20 Ø: 120mm, D: 51mm	5	1 / 40
	COMDL25	Hole cut out size: 140mm	WH	LED   25W   4000K   2400 lm   30,000 hrs   IP20 Ø: 164mm, D: 55mm	5	1 / 20
	COMDL40	Hole cut out size: 190mm	WH	LED   40W   4000K   3500 lm   30,000 hrs   IP20 Ø: 224mm, D: 70mm	5	1 / 10

## EMERGENCY BATTERY PACKS - COMPATIBLE WITH COMMERCIAL DOWNLIGHTS

	EBPM3	Standard	WH	10-60V 100W Max	2	1 / 1
	SEEBPM3	<b>Self-Test</b>	WH	L: 250mm, H: 110mm, D: 55mm	2	1 / 1
	EBPM3LI	<b>Li-ion</b> - See page 13 for more info	WH	18-60Vdc Maximum 150W L: 338mm, H: 45mm, D: 80mm	2	1 / 40

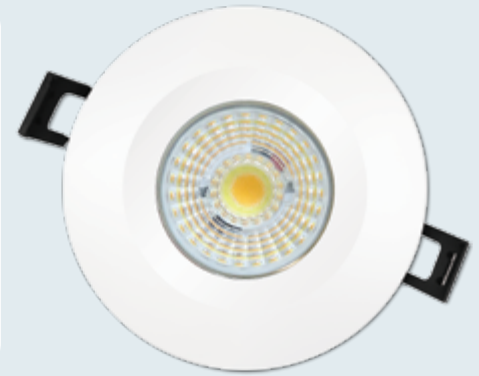


Picture	Code	Version	Colour	Specification	W	M / O
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**FIRE RATED COLOUR TEMPERATURE SELECTABLE DOWNLIGHTS**

**IFIRELCS RANGE**

- Aluminium & polycarbonate construction
- Fire rated tested for individual 30, 60 and 90 min ceiling types
- Dimmable - for optimum dimming performance we recommend using a compatible LED dimmer
- Selectable colour temperature with warm, cool and daylight options
- Pre-wired with 20cm cable onto plug-in connector screw terminal block
- 4 terminal connector allows for loop in/out lighting circuits
- Silicon bezel seals against air permeability
- 60° beam angle



	IFIRELCS CR	<b>Colour temp. selectable</b> Hole cut out size: 76mm	CR	LED   8W   40,000 hrs   IP65 3000K (670 lm) / 4000K (780 lm) / 6000K (700 lm) Ø: 88mm, D: 70mm	5	1 / 40
	IFIRELCS BN		BN		5	1 / 40
	IFIRELCS WH		WH		5	1 / 40
	IFT CR	Chrome replacement trim	CR		1	1 / 200
	IFT BN	Brushed nickel replacement trim	BN		1	1 / 200
	IFT WH	White replacement trim	WH		1	1 / 200

**FIRE RATED DOWNLIGHTS**

	VECOIFIRE3	Hole cut out size: 60mm 3 x trims included	CR / BN / WH	LED   5W   3000K   540 lm   36,000 hrs   IP65 Ø: 84mm, D: 78mm	5	1 / 40
	VECOIFIRE4		CR / BN / WH		5	1 / 40
	VECOIBRACK	Insulating bracket	BK	L: 50mm, H: 40mm, D: 19mm	1	1 / 200
	KFIRE4 CR	Hole cut out size: 65mm	CR	LED   5W   4000K   515 lm   25,000 hrs   IP65 (front), IP20 (rear) Ø: 80mm, D: 66mm	5	1 / 20
	KFIRE4 BN		BN		5	1 / 20
	KFIRE4 WH		WH		5	1 / 20

**FLAT PANEL CIRCULAR DOWNLIGHTS**

	VECORDL6	Hole cut out size: 105mm	WH	LED   6W   4000K   480 lm   25,000 hrs Ø: 118mm, D: 20mm	5	1 / 100
	VECORDL12	Hole cut out size: 155mm	WH	LED   12W   4000K   1200 lm   25,000 hrs Ø: 170mm, D: 20mm	5	1 / 20
	VECORDL24	Hole cut out size: 285mm	WH	LED   24W   4000K   2400 lm   25,000 hrs Ø: 297mm, D: 20mm	5	1 / 20

**CABINET DOWNLIGHTS**





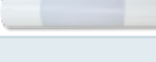
	CLED CIR	Circle surface / recessed	BN	LED   1.7W   3000K   160 lm   30,000 hrs Mains voltage - integral driver Ø: 70mm, D: 25mm (33mm recessed)	5	1 / 40
	CLED CIR WH	Hole cut out size: 61mm	WH		5	1 / 40
	CLED TRI	Triangle surface	BN	LED   1.7W   3000K   160 lm   30,000 hrs Mains voltage - integral driver L: 120mm, H: 120mm, D: 41mm	5	1 / 40
	CLED TRI WH		WH		5	1 / 40
	VECOCAB PCI	Circular surface	WH	LED   2W   3000K   100 lm   30,000 hrs   IP20 Ø: 70mm, D: 15mm	5	1 / 100
	VECOCAB PTR	Triangle surface	WH	LED   2W   3000K   100 lm   30,000 hrs   IP20 L: 122mm, H: 140mm, D: 40mm	5	1 / 100

**GU10 DOWNLIGHTS**

	SLGUCR	Hole cut out size: 70mm	CR	Requires GU10 lamp 50W max   IP65 Ø: 83mm, D: 40mm	1	5 / 50
	SLGUSN		BN		1	5 / 50
	SLGUWH		WH		1	5 / 50

**DOWNLIGHT CONVERTERS**

	CR80CR	Hole cut out size: 70-140mm	CR	Requires GU5.3 or GU10 lamp 50W max   IP20 Ø: 150mm, H: 125mm	1	5 / 40
	CR80SN		BN		1	5 / 40
	CR80WH		WH		1	5 / 40

Picture	Code	Version	Colour	Specification	W	M / O
<b>SHAVERLIGHTS</b>						
	LED SHDVO	Dual voltage	WH	Lamp inc: 6W S15 3000K 284mm   IP20 L: 435mm, H: 57mm, D: 65mm	5	1 / 10
	LED SH44	Dual voltage	WH / CR	LED   6.7W   3000K   463 lm   30,000 hrs   IP44 L: 390mm, H: 60mm, D: 65mm	5	1 / 10
	SH1844DVO	Dual voltage	WH / CR	Lamp inc: 18W 2G11 single turn L 4pin CFL   IP44 L: 390mm, H: 60mm, D: 65mm	1	5 / 10
	LED SH6CR	Dual voltage	CR	LED   6W   3000K   520 lm   25,000 hrs   IP21 L: 480mm, H: 90mm, D: 50mm	5	1 / 10
	LED SH6WH	Dual voltage	WH		5	1 / 10

### LED SH6 / LEDOM5 RANGE

Contemporary “designer style” alternative to standard functional products.





- Vertical or horizontal mounting
- Elegantly integrated push switch
- Suitable for use in Bathroom Zone 3
- IP21 rated and insulated class 2 construction
- Available in chrome or white to compliment most bathroom decors

#### Shaver light additional features:

- Permanent power to shaver socket allowing use when not illuminated
- Dual voltage 110V and 240V shaver socket located under a slide to open cover maintains sleek appearance when not in use

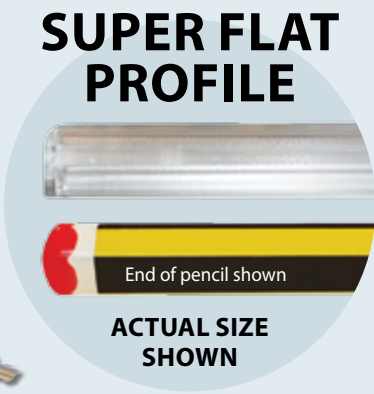
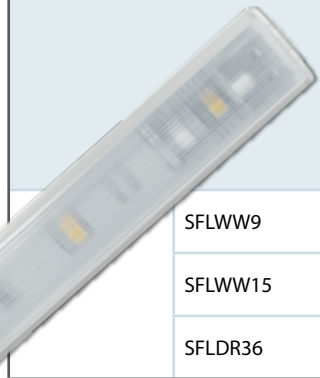
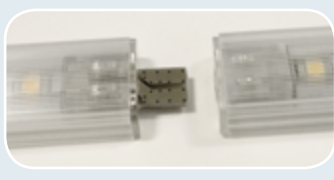





### MIRROR/WALL LIGHTING


	LEDOM5CR	Over mirror	CR	LED   5W   3000K   525 lm   25,000 hrs   IP21 L: 480mm, H: 90mm, D: 50mm	5	1 / 10
	LEDOM5WH	Over mirror	WH		5	1 / 10
	OMLED10	Over mirror	WH / MS	LED   10W   3000K   835 lm   30,000 hrs   IP44 L: 435mm, H: 36mm, D: 55mm	5	1 / 20
	LEDMIRROR	Mirror light with dual voltage shaver socket	Glass	LED   10.3W   3000K   130 lm   30,000 hrs   IP44 W: 390mm, H: 500mm, D: 60mm	5	1 / 1
	ML5040	Mirror light with dual voltage shaver socket	Glass	Lamp inc: 2 x 15W G13 T8 3000K flu. tubes   IP44 W: 390mm, H: 500mm, D: 60mm	1	1 / 1


### BATHROOM CEILING LIGHTING



	PACIFIC12	LED	CR	LED   12W   3100K   800 lm   30,000 hrs   IP44 Ø: 305mm, D: 80mm	2	1 / 5
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Picture	Code	Version	Colour	Specification	W	M / O
<b>SUPERFLAT LINKABLE RANGE</b>						
<p><b>SFLWW RANGE</b>                      Ultra low power consumption with excellent light output. The inclusion of a link lead and butt connector allows continuous linear, spaced linear or radial installations.</p> <ul style="list-style-type: none"> <li>• Ultra-bright warm white LEDs for a pleasing lighting effect (3000K) • Reeded diffuser for soft diffused light</li> <li>• Aluminum and polycarbonate construction • Fixing clips included for under-cabinet or wall installation</li> <li>• 300mm link lead and butt connector included: allowing flexible linking options</li> </ul>				 <p><b>SUPER FLAT PROFILE</b></p> <p>End of pencil shown</p> <p><b>ACTUAL SIZE SHOWN</b></p>		
	SFLWW9	9 LED, link lead, butt connector & clips incl.	MS	LED   2.2W   3000K   230 lm   20,000 hrs   IP20 L: 350mm, H: 9mm, D: 18.6mm	5	1 / 10
	SFLWW15	15 LED, link lead, butt connector & clips incl.	MS	LED   3.6W   3000K   360 lm   20,000 hrs   IP20 L: 550mm, H: 9mm, D: 18.6mm	5	1 / 10
	SFLDR36	Constant current voltage driver	WH	Max power load 36W of super flat fittings L: 140mm, H: 30mm, D: 45mm	1	1 / 20


<b>LINKABLE LINEAR LED</b>						
	T5LED8	T5 strip light with reverse polarity protection Mains lead, link lead & fixing clips included	WH	LED   8W   3000K   680 lm   25,000 hrs L: 608mm, H: 38mm, D: 23mm	5	1 / 40
	T5LED10		WH	LED   10W   3000K   900 lm   25,000 hrs L: 908mm, H: 38mm, D: 23mm	5	1 / 30
	NL1WH	1m additional link lead	WH	L: 1m	1	5 / 200
	VECOLT54	Economy T5 strip light Mains lead, link lead & fixing clips included	WH	LED   4W   4000K   350 lm   30,000 hrs L: 322mm, H: 30mm, D: 22mm	5	1 / 30
	VECOLT58		WH	LED   8W   4000K   710 lm   30,000 hrs L: 585mm, H: 30mm, D: 22mm	5	1 / 30
	VECOLT510		WH	LED   10W   4000K   880 lm   30,000 hrs L: 885mm, H: 30mm, D: 22mm	5	1 / 30
	VECOLT514		WH	LED   14W   4000K   1240 lm   30,000 hrs L: 1185mm, H: 30mm, D: 22mm	5	1 / 30


<b>LINKABLE LINEAR FLUORESCENT</b>						
	TUS6NL	G5 T4 strip light Mains link lead & fixing clips included	WH	Lamp inc: 6W G5 T4 3400K flu tube   IP20 L: 270mm, H: 45mm, D: 18mm	1	5 / 50
	TUS10NL		WH	Lamp inc: 10W G5 T4 3400K flu tube   IP20 L: 390mm, H: 45mm, D: 18mm	1	5 / 50
	TUS16NL		WH	Lamp inc: 16W G5 T4 3400K flu tube   IP20 L: 520mm, H: 45mm, D: 18mm	1	5 / 50
	TUS20NL		WH	Lamp inc: 20W G5 T4 3400K flu tube   IP20 L: 620mm, H: 45mm, D: 18mm	1	5 / 50
	NL1WH	1m additional link lead	WH	L: 1m	1	5 / 200


<b>T4 TRIPHOSPHOR TUBES</b>						
	N64/1	Replacement lamp for TUS6NL	WH	6W   220mm   3400K   378 lm   10,000 hrs   A	1	10 / 200
	N64/3	Replacement lamp for TUS10NL	WH	10W   341mm   3400K   630 lm   10,000 hrs   A	1	10 / 200
	N64/5	Replacement lamp for TUS16NL	WH	16W   468mm   3400K   1090 lm   10,000 hrs   A	1	10 / 200
	N64/7	Replacement lamp for TUS20NL	WH	20W   567mm   3400K   1500 lm   10,000 hrs   A	1	10 / 100

<b>CABINET DOWNLIGHTS</b>						
	CLEDCIR	Circle surface / recessed	BN	LED   1.7W   3000K   160 lm   30,000 hrs Mains voltage - integral driver Ø: 70mm, D: 25mm (33mm recessed)	5	1 / 40
	CLEDCIRWH	Hole cut out size: 61mm	WH		5	1 / 40
	CLEDTRI	Triangle surface	BN	LED   1.7W   3000K   160 lm   30,000 hrs Mains voltage - integral driver L: 120mm, H: 120mm, D: 41mm	5	1 / 40
	CLEDTRIWH		WH		5	1 / 40
	VECOCABPCI	Circular surface	WH	LED   2W   3000K   100 lm   30,000 hrs   IP20 Ø: 70mm, D: 15mm	5	1 / 100
	VECOCABPTR	Triangle surface	WH	LED   2W   3000K   100 lm   30,000 hrs   IP20 L: 122mm, H: 140mm, D: 40mm	5	1 / 100

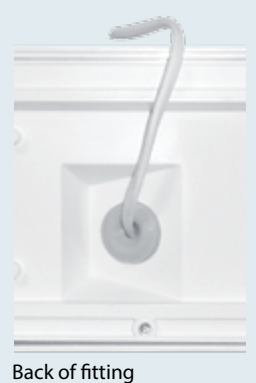



Picture	Code	Version	Colour	Specification	W	M / O
<b>BOLLARDS</b>						
 <p><b>B1100BKNL</b></p> <ul style="list-style-type: none"> <li>Requires 1 x ES (E27) lamp (not included). Fitting is rated at 100W max</li> <li>Aluminium construction</li> <li>Root or flange fixing: versatile installation options</li> <li>Louvred diffuser: discreet lighting effect</li> </ul>						
	B1100BKNL	ES (E27) louvred	BK	Lamp required: 100W Max ES (E27)   IP44 H: 1100mm, Ø: 170mm	1	1 / 1

<b>DECK/PLINTH LIGHTS</b>						
	DECKLED	Deck/plinth light + 3 colour filters Hole cut out size: 40mm (without sleeve)	MS	LED   2W   4000K   111 lm   20,000 hrs   IP65 Ø: 55mm, D: 40mm (70mm with sleeve)	5	1 / 50
	GDL50SS	Deck light with stainless steel bezel Hole cut out size: 92mm	SS	Lamp required: 50W Max GU10   IP68 Ø: 110mm, D: 110mm	1	4 / 24






<b>GARDEN SPOTLIGHTS</b>						
	SPOTLEDGAR	Single garden spike + 1m mains lead	MS	LED   4.3W   4000K   240 lm   30,000 hrs   IP44 H: 358mm, Ø: 60mm	5	1 / 12
	SPOTLEDWAL	Wall spotlight	MS	LED   4.3W   4000K   240 lm   30,000 hrs   IP44 Ø: 60mm, W: 100mm, D: 130mm	5	1 / 12

<b>SURFACE POLYMER AMENITY RANGE</b>						
<b>VECOWL RANGE</b>						
<ul style="list-style-type: none"> <li>Polycarbonate construction • Opal diffuser • Integral driver • Double insulated</li> </ul>						
<b>PIR VERSIONS:</b>						
<ul style="list-style-type: none"> <li>PIR Time on adjustment 5 secs - 8 mins • 160° detection angle • 8 meter detection range</li> <li>Lux level adjustments - option for day and night time operation or night time operation only</li> </ul>						
	VECOWLW	Standard	WH	LED   6W   4000K   340 lm   30,000 hrs   IP65 L: 220mm, H: 110mm, D: 51mm	5	1 / 20
	VECOWLG	Standard	GY		5	1 / 20
	VECOWLPIRW	160° PIR	WH		5	1 / 20
	VECOWLPIRG	160° PIR	GY		5	1 / 20




<b>BRICKLIGHT RANGE</b>						
	BRICKLED	Full bricklight	WH / STS	LED   5.4W   6000K   280 lm   20,000 hrs   IP65 L: 233mm, H: 105mm, D: 75mm	2	1 / 6
	SLICELONG	Surface long fitting	BK	LED   3W   4000K   188 lm   30,000 hrs   IP65 L: 230mm, H: 80mm, D: 25mm	5	1 / 24
	TRIMLONG	White trim for SLICELONG	WH	L: 230mm, H: 80mm, D: 25mm	1	1 / 40



Picture	Code	Version	Colour	Specification	W	M / O
<b>SURFACE SPOTLIGHTS</b>						
	SPOT1CR	Single unswitched	CR	Requires 1 x 50W max 240V GU10 lamp Ø: 85mm, H: 110mm	1	1 / 36
	SPOT1SN		BN		1	1 / 36
	SPOT1WH		WH		1	1 / 36
	SPOT2CR	Twin bar	CR	Requires 1 x 50W max 240V GU10 lamp (per lampholder) L: 355mm, H: 140mm, D: 50mm	1	1 / 12
	SPOT2SN		BN		1	1 / 12
	SPOT2WH		WH		1	1 / 12
	SPOT3CRPL	Triple plate	CR	Requires 1 x 50W max 240V GU10 lamp (per lampholder) Ø: 150mm, H: 110mm	1	1 / 12
	SPOT3SNPL		BN		1	1 / 12
	SPOT3WHPL		WH		1	1 / 12
	SPOT3CRBAR	Triple bar	CR	Requires 1 x 50W max 240V GU10 lamp (per lampholder) L: 565mm, H: 140mm, D: 50mm	1	1 / 6
	SPOT3SNBAR		BN		1	1 / 6
	SPOT3WHBAR		WH		1	1 / 6
	SPOT4CR	Quad split bar	CR	Requires 1 x 50W max 240V GU10 lamp (per lampholder) L: 815mm, H: 160mm, D: 50mm	1	1 / 12
	SPOT4SN		BN		1	1 / 12
	SPOT4WH		WH		1	1 / 12


**EXTERNAL STAINLESS STEEL SPOTLIGHTS**

	SSWLDIR	Single directional lighting	SS	Requires: 1 x 35W max GU10 lamp   IP44 H: 155mm, D: 95mm	1	1 / 12
	SSWLSING	Single up or down lighting	SS	Requires: 1 x 35W max GU10 lamp   IP44 H: 120mm, D: 95mm	1	1 / 12
	SSWLTWIN	Twin up & down lighting	SS	Requires: 2 x 35W max GU10 lamp   IP44 H: 156mm, D: 95mm	1	1 / 12

**AMENITY WALL RANGE**

	WLPPSING	Single up or down wall light	BK	1 x lamp required: GU10   7W max   IP44 Ø: 60mm, H: 100mm, D: 86mm	1	1 / 16
	WLPPTWIN	Twin up & down wall light	BK	2 x lamps required: GU10   7W max   IP44 Ø: 60mm, H: 160mm, D: 86mm	1	1 / 16

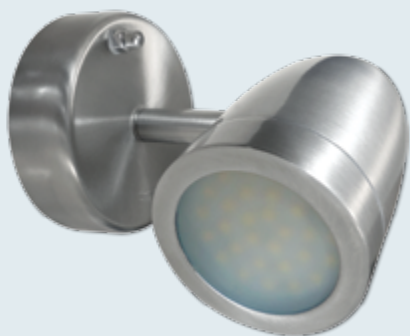
**GARDEN SPOTLIGHTS**

	SPOTLEDGAR	Single garden spike + 1m mains lead	MS	LED   4.3W   4000K   240 lm   30,000 hrs   IP44 H: 358mm, Ø: 60mm	5	1 / 12
	SPOTLEDWAL	Wall spotlight	MS	LED   4.3W   4000K   240 lm   30,000 hrs   IP44 Ø: 60mm, W: 100mm, D: 130mm	5	1 / 12

**SPOTLED RANGE**






- Aluminium construction
- Frosted glass lens
- Integrated driver and LED light source
- Fully adjustable head
- **SPOTLEDGAR:** pre-wired with 1 metre of tough exterior grade mains lead

Fully adjustable head






## 26 - Lanterns


W = Warranty M = Minimum Order Multiple O = Outer Pack Quantity


Picture	Code	Version	Colour	Specification	W	M / O
<b>POLYMER LANTERN RANGE</b>						
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>L60 / HL60 RANGE</b></p> <ul style="list-style-type: none"> <li>Requires 1 x suitable ES lamp (not included). Fitting is rated at 60W max</li> <li>Polycarbonate construction: corrosion resistant</li> <li>One piece lens: quick and easy assembly</li> </ul> <p><b>PIRHL60 RANGE</b></p> <ul style="list-style-type: none"> <li>12 metre max detection range</li> <li>Time on 3 minutes ± 20 sec</li> <li>120° detection zone</li> <li>Factory preset PIR - no override facility</li> </ul> <p><b>PIRL60 RANGE</b></p> <ul style="list-style-type: none"> <li>10 metre range with sensitivity adjustment control</li> <li>Time on adjustable (10±5) secs - (4±1) min</li> <li>110° detection zone</li> <li>Factory preset PIR - no override facility</li> </ul> </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%; text-align: center;">  <p>PIRHL60BK shown</p> </div> </div>						
	L60B	ES (E27) standard full lantern	BK	Lamp required: ES (E27)   60W max   IP44 W: 177mm, H: 374mm, D: 228mm	1	1 / 12
	PIRL60BK	ES (E27) 110° PIR full lantern	BK		1	1 / 6
	HL60B	ES (E27) standard half lantern	BK	Lamp required: ES (E27)   60W max   IP44 W: 163mm, H: 360mm, D: 100mm	1	1 / 12
	HL60WH	ES (E27) standard half lantern	WH		1	1 / 12
	PIRHL60BK	ES (E27) 120° PIR half lantern	BK		1	1 / 12
	PIRHL60WH	ES (E27) 120° PIR half lantern	WH		1	1 / 12
	VECOFBK	Standard full lantern	BK	LED   7W   3100K   420 lm   35,000 hrs   IP44 W: 175mm, H: 400mm, D: 220mm	5	1 / 4
	VECOPIRBK	120° PIR full lantern	BK		5	1 / 4
	VECOHBK	Standard half lantern	BK	LED   7W   3100K   420 lm   35,000 hrs   IP44 W: 175mm, H: 360mm, D: 105mm	5	1 / 10
	VECOPIRBK	120° PIR half lantern	BK		5	1 / 10
<b>ALUMINIUM LANTERNS</b>						
	ALULANT	Standard	BK	LED   8W   4000K   570 lm   30,000 hrs   IP44 W: 165mm, H: 235mm, D: 200mm	5	1 / 6
	ALULANTPIR	110° PIR	BK		LED   8W   4000K   570 lm   30,000 hrs   IP44 W: 165mm, H: 255mm, D: 230mm	5

## 26 - Light Sources (Lamps)





W = Warranty M = Minimum Order Multiple O = Outer Pack Quantity

Picture	Code	Version	Colour	Specification	W	M / O
<b>DD LAMPS</b>						
	DD16235	GR8 2 pin	Glass	16W   3500K   1100 lm   10,000 hrs   A L: 133mm, H: 136mm, D: 26mm	1	10 / 10
	DD16435	GR10q 4 Pin	Glass		1	10 / 10
	DD28435	GR10q 4 Pin	Glass	28W   3500K   2050 lm   10,000 hrs   A L: 200mm, H: 200mm, D: 32mm	1	10 / 10
<b>T4 TRIPHOSPHOR TUBES</b>						
	N64/1	Replacement lamp for TUS6NL	WH	6W   220mm   3400K   378 lm   10,000 hrs   A	1	10 / 200
	N64/3	Replacement lamp for TUS10NL	WH	10W   341mm   3400K   630 lm   10,000 hrs   A	1	10 / 200
	N64/5	Replacement lamp for TUS16NL	WH	16W   468mm   3400K   1090 lm   10,000 hrs   A	1	10 / 200
	N64/7	Replacement lamp for TUS20NL	WH	20W   567mm   3400K   1500 lm   10,000 hrs   A	1	10 / 100
<b>GX53 LED LAMP</b>						
	LEDGX5		WH	LED: 5W   GX53   3000K   470 lm   15,000 hrs   A+	2	1 / 10


Picture	Code	Version	Colour	Specification	W	M / O
<b>HIGH PERFORMANCE HAND DRYERS</b>						
<b>HDA-1800 / SSHDA-2500</b>						
<ul style="list-style-type: none"> <li>• Cast aluminium construction - tough vandal resistant construction</li> <li>• Automatic operation: reduced cleaning requirement &amp; increase hygiene</li> <li>• Adjustable proximity sensitivity: allows user preference for on switching</li> <li>• Pre-wired with 1 metre of mains lead: easy installation</li> </ul> <p><b>HDA-1800:</b> Air speed: 17.8m/sec: rapid hand drying • Airflow: 2.6m<sup>3</sup>/min.  <b>SSHDA-2500:</b> Airflow 4.5m<sup>3</sup>/min. • Air speed 30m/sec.: rapid hand drying</p>						
	HDA-1800	High performance + 1m mains lead	WH	1800W   IPX1 W: 240mm, H: 265mm, D: 195mm	1	1 / 4
	SSHDA-2500		SS	2500W   IPX1 W: 260mm, H: 240mm, D: 140mm	1	1 / 4

Picture	Code	Version	Colour	Specification	W	M / O
<b>SPACE HEATING</b>						
	CONVECTSTD	Standard convector	WH	2kW   IP20   3 heat settings: 750W, 1.25kW, 2kW L: 515mm, H: 385mm, D: 195mm	1	1 / 1
	CONVECTFAN	Turbo fan convector	WH		1	1 / 1
	CONVECTTIM	24 hour timer convector	WH		1	1 / 1
	PFH2400	Plinth fan heater + 3 colour fascias	BR / SS / WH	2400W   IP20   3 heat settings - 800W fan only, 1600W half heat + fan, 2400W (full heat + fan) L: 480mm, H: 125mm, D: 220mm	1	1 / 4











**DOWNFLOW/SCREEN HEATING**

<b>DFH2KW / DFHT2KW</b>						
<ul style="list-style-type: none"> <li>• Up to 2kW heat output: fast heating</li> <li>• Mains indicator light • Thermal cut out</li> <li>• Pull cord on/off switch</li> <li>• Internal load switch 1kW / 2kW: allows output adjustment to suit room size</li> <li>• Up to 2kW heat output: fast heating</li> <li>• <b>DFHT2KW:</b> Up to 35 minute runback timer - adjustable upon installation</li> </ul>						
		DFHT2KW controls				
						
	DFH2KW	Standard downflow	WH	2kW   IP21   internal load switch 1kW / 2kW W: 239mm, H: 245mm, D: 140mm	1	1 / 6
	DFHT2KW	Downflow heater + 35 min runback timer	WH		1	1 / 6
	SH3WH	Screen heater	WH	3kW   IP20   3 heat settings - 25W fan only, 1500W half heat + fan, 3000W (full heat + fan) L: 580mm, H: 105mm, D: 185mm	1	1 / 1

**TUBULAR HEATERS**

	TH1	1ft tubular heater + 1m mains lead + brackets	WH	60W   IP44 L: 305mm, H: 75mm, D: 105mm	1	1 / 20
	TH2	2ft tubular heater + 1m mains lead + brackets	WH	120W   IP44 L: 600mm, H: 75mm, D: 105mm	1	1 / 12
	TH3	3ft tubular heater + 1m mains lead + brackets	WH	180W   IP44 L: 915mm, H: 75mm, D: 105mm	1	1 / 9
	TH4	4ft tubular heater + 1m mains lead + brackets	WH	240W   IP44 L: 1220mm, H: 75mm, D: 105mm	1	1 / 6
	TRG1FT	1ft guard for tubular heaters	WH	L: 322mm, H: 150mm, D: 125mm	1	2 / 18
	TRG2FT	2ft guard for tubular heaters	WH	L: 642mm, H: 150mm, D: 125mm	1	2 / 12
	TRG3FT	3ft guard for tubular heaters	WH	L: 930mm, H: 150mm, D: 125mm	1	2 / 6
	TRG4FT	4ft guard for tubular heaters	WH	L: 1217mm, H: 150mm, D: 125mm	1	2 / 6



Picture	Code	Version	Colour	Specification	W	M / O
<b>TIME DELAY SWITCHES</b>						
	TLS1440	Not compatible with LED	WH	6 amp incandescent 1440W Max, 12secs-12mins W: 85mm, H: 85mm, D: 22mm	1	5 / 40
	PUSHLED	Compatible with LED, fluorescent and incandescent loads	WH	3 settings - 5-20W, 20-150W, 150-300W, 12secs-12mins   IP20 W: 85mm, H: 85mm, D: 22mm	1	1 / 40
	TLS68EX	Outdoor IP66	GY	Max 6 lights: incandescent 16a, flu. 6a, compact flu. 3a. LV, fans & ventilation equipment: 3a max, multi range delay function from 2 seconds to 2 hours   IP66   W: 80mm, H: 110mm, D: 70mm	1	1 / 50
<b>PHOTOCELLS</b>						
	EMPCR	Remote fixing miniature Hole cut out size: 20mm	BK	1500VA / 5a inductive load, Max 500W LED, Switch on/off at 30/80 lux   IP20 Ø: 30mm, D: 24mm	1	1 / 5
	NPCHKIT	Nema socket kit	BK	1500VA or 5a inductive load at 60MFD. max LED load 1000W, switch on/off at 30/70 lux   IP44 Ø: 85mm, H: 125mm	1	1 / 5
	RDT10A	External photoelectric switch + 1-8 hours runback timer	GY	10a resistive, 3a inductive load. Max 250W LED load capacity (no more than ten lights), 5-300 lux   IP44   W: 70mm, H: 110mm, D: 38mm	1	1 / 5
<b>PIR / MICROWAVE CONTROLS</b>						
	SENSORMW	Microwave sensor	WH	Rated load - 800W (resistive), 400W (capacitive), 270W (LED). Detection angle: >150°, max 6m range, 5secs-30mins, 2-50 lux L: 76mm, H: 36mm, D: 25mm	1	1 / 150
	MWCASE	Enclosure for MWSENSOR	WH	IP65   Ø: 120mm, H: 50mm	1	1 / 100
	PIR110BK	External 110° PIR detector	BK	1000W incandescent / 300W fluorescent max load capacity, max 200W LED load capacity (no more than eight lights), 12m range, 5secs-15mins, adjustable lux W: 95mm, H: 150mm, D: 130mm	1	1 / 30
	PIR180BK	External 180° PIR detector	BK		1	1 / 30
	PIR180WH	External 180° PIR detector	WH		1	1 / 30
	EX360PIRWH	External 360° PIR detector with optional corner bracket	WH	1000W incandescent / 300W fluorescent, max 150W LED load capacity (no more than 8 lights), 12m detection, 5secs-5mins, adjust. lux   IP44 W: 120mm, L: 185mm, H: 75mm (with bracket) W: 80mm, L: 150mm, H: 75mm (no bracket)	1	1 / 20
	PIRFM360	Flush mounted 360° PIR internal detector Hole cut out size: 63mm	WH	Max 2000W incandescent / 500W fluorescent load capacity, max 250W LED load capacity (no more than ten lights), 4.5m detection, 10secs-15mins, adjustable lux   IPX4 Ø: 76mm, H: 73mm	1	1 / 4
	SA360PIR	Stand alone internal 360° PIR sensor	WH	1600W incandescent, 500W fluorescent load capacity, max 200W LED load capacity (no more than eight lights), Adjustable lux, 10sec-15min, 4.5m radius range   IP20 Ø: 110mm, D: 35mm	1	1 / 50








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Picture	Code	Version	Colour	Specification	W	M / O
<b>BELLS &amp; CHIMES - THESE PRODUCTS ARE DESIGNED FOR DOMESTIC INSTALLATION UP TO 15M RANGE</b>						
	BPLWB	Illuminated wired surface bell push	BK, WH	Interchangeable black and white covers included, concealed fixing holes W: 28mm, H: 55mm, D: 18mm	1	10 / 400
	BPWB	Standard wired surface bell push	BK, WH		1	10 / 400
	BT4812	Multi voltage bell/chime transformer	WH	Double insulated, 4, 8 and 12V tappings 1a rated, thermal cut out W: 54mm, H: 90mm, D: 43mm	1	5 / 60
	DC1WH	Battery / transformer operated chime	WH	Requires 4x 1.5V R14 'C' batteries (not included) W: 105mm, H: 170mm, D: 45mm	1	5 / 20
	TCWH	Door chime with built-in transformer	WH	W: 105mm, H: 170mm, D: 45mm	1	5 / 20
<p><b>DC1WH</b></p> <ul style="list-style-type: none"> <li>• ABS construction • Modern design</li> <li>• Battery operation for non illuminated bell pushes</li> <li>• Requires 4x 1.5V R14 'C' batteries (not included)</li> <li>• Must be transformer operated for illuminated bell pushes (transformer not included - see BT4812)</li> </ul> <p><b>TCWH</b></p> <ul style="list-style-type: none"> <li>• Integral transformer: neater, faster installation</li> <li>• ABS construction • Modern design</li> </ul>				<p><b>BT4812</b></p> <ul style="list-style-type: none"> <li>• Double insulated: no earth connection required</li> <li>• 4, 8 and 12V tappings: suits most bells and chimes</li> <li>• Nylon construction</li> <li>• 1 Amp rated</li> <li>• Thermal cut out</li> </ul>		

**CONVERTER SOCKETS/SHAVER SOCKETS/RCD PRODUCTS**

	CONVERT2	1 gang to 2 gang converter socket	WH	IP20   L: 147mm, H: 88mm, D: 26mm	1	5 / 100
	CONVERT4	1 or 2 gang to 4 gang converter socket	WH	IP20   13a fused   surge protection L: 258mm, H: 87mm, D: 25mm	1	5 / 40
	DVSS	Dual voltage shaver socket	WH	IP41   thermal cut out L: 85mm, H: 145mm, D: 45mm	1	10 / 10
	SSRCDWH	Urea single fused RCD spur	WH	13a rated, 30mA trip current, trip speed less than 40mS (typical), twin earth terminals, Passive operation W: 86mm, H: 86mm, D: 35mm	1	5 / 60
	TWSRCDMC	Metalclad twin unswitched RCD socket	GY	13a rated, 30mA trip current, trip speed less than 40mS (typical), passive operation - mechanically latched (no need to reset after power loss) Metalclad: W: 144mm, H: 89mm, D: 43mm White: W: 144mm, H: 84mm, D: 32mm	1	5 / 30
	TWSRCDWH	Urea twin unswitched RCD socket	WH		1	5 / 40

**TRS GLANDS & ADAPTABLE BOXES**

	20TRSBK	20mm TRS gland with locking nut	BK	20mm accommodates 8-13mm cable   IP68 Ø: 30mm, L: 35mm	1	100 / 1500
	20TRSG	20mm TRS gland with locking nut	GY		1	
	20TRSWH	20mm TRS gland with locking nut	WH		1	
	25TRSG	25mm TRS gland with locking nut	GY	25mm accommodates 12-18mm cable   IP68 Ø: 40mm, L: 37mm	1	20 / 800
	220-L	Plastic adaptable box / enclosures	GY	IP54   W: 90mm, H: 90mm, D: 50mm Inside box: 80x80x43mm	1	10 / 100
	222-L		GY	IP65   W: 110mm, H: 110mm, D: 65mm Inside box: 100x100x55mm	1	6 / 102
	223-L		GY	IP65   W: 120mm, H: 185mm, D: 80mm Inside box: 175x110x66mm	1	1 / 45
	224-L		GY	IP65   W: 180mm, H: 230mm, D: 130mm Inside box: 220x170x115mm	1	2 / 14
	225-L		GY	IP65   W: 160mm, H: 200mm, D: 80mm Inside box: 190x150x70mm	1	1 / 29
	397/5	5 pole connector	GY	Compatible with 220-L and 222-L L: 44mm, H: 29mm	1	1 / 200
	JSL242	Plastic adaptable waterproof box / enclosures	GY	IP65   W: 350mm, H: 305mm, D: 190mm Inside box: 322x275x170mm	1	1 / 1
	JSL244		GY	IP54   W: 440mm, H: 410mm, D: 190mm Inside box: 422x380x170mm	1	1 / 1
	JSL242BP	Mounting back plate for JSL242	GY		1	1 / 25
	JSL244BP	Mounting back plate for JSL244	GY		1	1 / 25

Picture	Code	Version	Colour	Specification	W	M / O
<b>WATERPROOF ACCESSORY BOXES</b>						
	DSBE	2 x 1 gang waterproof accessory box	GY	IP65   W: 200mm, H: 80mm, D: 140mm	1	5 / 20
	SSBE	1 gang waterproof accessory box	GY	IP65   W: 100mm, H: 80mm, D: 140mm	1	5 / 45
	TWSBE	2 gang waterproof accessory box	GY	IP65   W: 160mm, H: 80mm, D: 140mm	1	5 / 20
<b>CONNECTOR BOXES</b>						
	CB100DP	100a double pole connector block	BK	Terminals accept up to 25mm <sup>2</sup> conductor   IP20 L:105mm, H: 65mm, D: 70mm	1	10 / 20
	CB15A	15a 3 way lighting connector box	WH	Cord restraint at both entries   IP20 15a: W: 48mm, H: 72mm, D: 27mm 5a: W: 40mm, H: 65mm, D: 22mm	1	20 / 400
	CB5A	5a 3 way lighting connector box	WH		1	20 / 400
	PTBLOCK	Plug in 4 terminal connector block	GN	Allow for loop in/out lighting circuits W: 42mm, H: 107mm, D: 22mm	1	1 / 300
<b>LAMP HOLDERS/TRANSFORMERS</b>						
	AWFO8	GU5.3 LV spare lampholder	WH	Silicon braided cable: heat resistant Cable length: 150mm	1	10 / 250
	GU10LH	GU10 spare lampholder	BK	Cable length: 190mm	1	5 / 200
<b>PLUG IN CEILING ROSES/PUSH TO BREAK SWITCH</b>						
	CR10	Un-wired plug in ceiling rose	WH	6a rating 4 terminal, BESA box mounting, Shrouded plug terminals and cord grip Ø: 83mm, D: 36mm	1	10 / 180
	CR10PW	Pre-wired 2m flex plug in ceiling rose	WH		1	10 / 60
	XS63W	Push to break autoswitch	WH	Switching 1a max (250V), Max. 25W LED load W: 34mm, H: 45mm, D: 20mm	1	10 / 600



**LIGHTING INDUSTRY ASSOCIATION**

The LIA is the leading authority on the lighting industry and related technologies in the UK. It plays a major part in the development of the British and European legislation. Our membership of the LIA allows us to stay fully informed with industry norms and standards and keep abreast of the latest trends and developments. Importantly it also helps us educate our technical team, so they can offer you the professional advice you need.

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All Eterna products meet the latest relevant lighting and electrical standards. We continuously and rigorously monitor our suppliers to ensure the highest standards are maintained for the Eterna brand.

Eterna management systems comply with ISO 9001 and all production batches are subject to strict quality control processes including AQL inspection.

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Picture	Code	Colour	Specification	W	M/O
<b>HORSTMANN - www.eterna-lighting.co.uk/product-category/horstmann/?ppp=-1</b>					
	C17	WH	CENTAURPLUS Single channel 7 day timeswitch electronic time control	7	1 / 1
	C27	WH	CENTAURPLUS 2 channel 7 day electronic time control	7	1 / 1
	CSTAT1	WH	(CENTAURSTAT1) 24 hour single channel electronic programmable thermostat	7	1 / 1
	CSTAT7	WH	(CENTAURSTAT7) 7 day single channel electronic programmable thermostat with day of week indication	7	1 / 1
	CSTAT11M	WH	Mains powered 24 hour programmable room thermostat	7	1 / 1
	CSTAT17B	WH	Battery operated 7 Day programmable room thermostat	7	1 / 1
	CSTAT17M	WH	Mains powered 7 Day programmable room thermostat	7	1 / 1
	CSTAT17ZW	WH	7 day Wireless Z-Wave programmable room thermostat with mains powered receiver	7	1 / 1
	E246	WH	Electrisaver electronic timer (2-6 hours preset time periods)	7	1 / 1
	E7BX	WH	Water Heating Boost Control	7	1 / 1
	ELEC/7Q	WH	Electronic economy 7 series immersion heater control (programmable boost)	7	1 / 1
	ECON/7Q	WH	Economy 7 Quartz electro mechanical timer (2 hour boost)	7	1 / 1
					
					
<b>ECON/7Q</b>			<ul style="list-style-type: none"> <li>• 0 – 120 minutes boost timer.</li> <li>• Designed for use with Economy 7 off peak rate overnight electricity, the Economy 7 Quartz is the standard by which all other water heating controls are judged and is the all time best seller in water heating controls.</li> <li>• A proven, reliable and accurate unit, the Economy 7 Quartz is easy to install and set, providing a tankful of hot water to start each day utilizing Economy 7 off peak rate overnight electricity. The manual boost timer provides extra hot water in the day time – should it be needed.</li> </ul>		
			<p><b>H17-47XL RANGE</b></p> <ul style="list-style-type: none"> <li>• 24 hour or 7 day</li> <li>• Back-lit LCD display</li> <li>• Preset clock</li> <li>• Automatic Winter/Summer time changes</li> <li>• Simplified menu driven programming</li> </ul>		
			<ul style="list-style-type: none"> <li>• <b>H17XL</b> - Voltage free contacts makes the unit ideal for combi boilers</li> <li>• <b>H27XL</b> - Independent timing of heating and hot water</li> <li>• <b>H37XL</b> - Designed for use with fully pumped central heating systems using three separate zone valves. Meets zoning requirements of Part L1 of the Building Regulations</li> <li>• <b>H47XL</b> - Designed for use with fully pumped central heating systems using four separate zone valves in addition to many other applications</li> </ul>		
	H17XL	WH	Single channel time switch with full 7 day programming	7	1 / 1
	H27XL	WH	Two channel with 7 day programming	7	1 / 1
	H37XL	WH	Programmer with 7 day setting over three independent channels	7	1 / 1
	H47XL	WH	Programmer with 7 day setting over four independent channels	7	1 / 1
	HRT4-A	WH	Electronic mains operated room thermostat	7	1 / 1
	HRT4B	WH	Wired battery operated room thermostat	7	1 / 1
	SIR020	WH	15/30/60-minute digital timer control up to 3kw (resistive)	7	1 / 1
	SIR021	WH	30/60/120-minute digital timer control up to 3kw (resistive)	7	1 / 1
	SIR022	WH	2/4/6-hour digital timer control up to 3kw (resistive)	7	1 / 1
<b>O'NEILLS</b>					
	ONPR2	WH	Dual channel heating controller	2	5 / 5
	ONPR3	WH	Three channel heating controller	2	5 / 5
<b>NIGLON</b>					
	GY10	GR / YW	10mm 1m PVC Sleeving		
	GY2	GR / YW	2mm 100m Hank PVC Sleeving		
	JCG10	SS	10m / max load 7kg / steel construction Jack chain		

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BLEDBK	12	CSTAT17ZW 31	GDL50SS 24	KNANOIP5FT 16	SDCSLCREM3 9	T8LED16 15	WELLDIFF 11
BLEDPIRKB	12	CSTAT7 31	GRILLBK 9	KPANBL 13	SDCSLEDCL 9	T8LED24 15	WELLWHPIR 11
BPLWB	29	CW3021 11	GRILLWH 9	KRECBOP 12	SDCSLEDWH 9	TCWH 29	WELLWHSTD 11
BPWB	29	D PG	KWPEM3SIN5 6	KWPPEM3Twi6 6	SDCSLEDWH 9	TH1 27	WGLEDBK 11
BRICKLED	24	DC1WH 29	KWPEM3SIN6 6	KWPPEM3Twi6 6	SELB4FTEM3 14	TH2 27	WGLEDDWH 11
BT4812	29	DD16235 26	KWPPEM3TWi6 6	KWPPEM3Twi6 6	SELB5FTEM3 14	TH3 27	WLPPOSING 25
BULKFRAME	2	DD16435 26	H PG	KWPPEM3Twi6 6	SELB5HOEM3 14	TH4 27	WLPPTWIN 25
BULKLED	12	DD28435 26	H17XL 31	KWPSIN5 16	SELB6FTEM3 14	TL51440 28	WP41 16
BULKLEDPC	12	DECKLED 24	H27XL 31	KWPSIN6 16	SELB6HOEM3 14	TLS68EX 28	WP42 16
C	PG	DFH2KW 27	H37XL 31	KWPTW16 16	SEL6BHOEM3 14	TRG1FT 27	WP51 16
C17	31	DFHT2KW 27	H47XL 31	KWPTW16 16	SEL6FTEM3 14	TRG2FT 27	WP51SDEM3 16
C27	31	DSBE 30	HBAYLEDICIR 19	L PG	SEL6FTEM3 14	TRG3FT 27	WP52 16
CB100DP	30	DVSS 29	HBAYLIN 19	L60B 26	SEL6FTEM3 14	TRG4FT 27	WP61 16
CB15A	30	E PG	HBCIR100 19	LBB120 19	SEL6FTEM3 14	TRIMLONG 24	WP61SDEM3 16
CB5A	30	E246 31	HBCIR150 19	LBB3050 19	SEL6FTEM3 14	TSPOTLIP20 3	WP62 16
CFLEDMINSC	9	E7BX 31	HBCIR150PP 19	LDB80 19	SEL6FTEM3 14	TUS10NL 23	WP62SDEM3 16
CFLEDWHSC	9	EB1 7	HBCIRDIF90 19	LDLEM3 4	SEL6FTEM3 14	TUS16NL 23	WP62SDEM3 16
CFLWHEM3SC	9	EB10/2 7	HBDIFALU90 19	LDLEM3LI 4	SEL6FTEM3 14	TUS20NL 23	WP62SDEM3 16
CHA18EM3	8	EB11 7	HDA-1800 27	LEDG5 26	SEL6FTEM3 14	TUS6NL 23	WP62SDEM3 16
CHA18MW	8	EB12 7	HL60B 26	LEDLBAY120 19	SEM3 2	TWSBE 30	WP62SDEM3 16
CHA18MW3	8	EB13 7	HL60WH 26	LEDLBAY30 19	SENSORLEM 28	TWSRCDM 29	WP62SDEM3 16
CHA18SD	8	EB15 7	HRT4-A 31	LEDLBAY50 19	SESIGNLEM 4	TWSRCDWH 29	WP62SDEM3 16
CHA18SDEM3	8	EB16 7	HRT4B 31	LEDLBAY80 19	SESMDC 4		WP62SDEM3 16
CHA18STD	8	EB17 7	I PG	LEDMDDEM3 4	SESMDCLEM3 4		WP62SDEM3 16
CHAEYEBK	8	EB19 7	IFIRELCSWR 21	LEDMIRROR 22	SFLDR36 23		WP62SDEM3 16
CHAEYEGY	8	EB2 7	IFIRELCSWN 21	LEDOM5CR 22	SFLWW15 23		WP62SDEM3 16
CHAEYEW 8	8	EB20 7	IFIRELCSW 21	LEDOM5WH 22	SFWLW9 23		WP62SDEM3 16
CHAFULLCR 8	8	EB3 7	IFIRELCSW 21	LEDREM3 4	SH1844DVO 22		WP62SDEM3 16
CIRCBK 9	9	EB4 7	IFIRELCSW 21	LEDSH44 22	SH3WH 27		WP62SDEM3 16
CIRCCR 9	9	EB5 7	IFIRELCSW 21	LEDSH6CR 22	SHYEBK 10		WP62SDEM3 16
CIRCWH 9	9	EB7 7	IFIRELCSW 21	LEDSH6WH 22	SHEMWBK 10		WP62SDEM3 16
CIROPALM3 10	10	EB8 7	IFTSN 21	LEDSHDVO 22	SHEMWWH 10		WP62SDEM3 16
			IFTWH 21	LEDTWNSPOT 3	SHEYEW 10		WP62SDEM3 16



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