PIERLITE®



FAST MOVERS

Your partner in lighting.

'26

a signify brand

ABOUT US

PIERLITE: YOUR PARTNER IN LIGHTING

Pierlite, a proudly Australian brand of Signify, the global leader in lighting, combines over 70 years of local expertise in the Pacific region with Signify's 130+ years of global innovation and leadership.

Offering a wide range of high-quality lighting products, Pierlite has established itself as a trusted partner for project managers, architects, electrical contractors, and consultants, delivering reliable lighting solutions across diverse sectors.

Why Choose Pierlite?





Proven Expertise

Pierlite leverages local market knowledge and Signify's extensive global experience to deliver innovative, dependable lighting solutions tailored to the needs of Australia and New Zealand.

Diverse Product Range

From residential homes and commercial spaces to industrial environments and healthcare facilities, Pierlite offers versatile, locally compliant products suitable for a wide variety of applications.

Focus on Sustainability

Pierlite integrates energy-efficient technologies, empowering customers to reduce environmental impact while maintaining exceptional performance and quality.

Trusted Industry Reputation

Recognised by professionals across the Pacific, Pierlite is celebrated for its reliable, high-quality lighting solutions designed to meet diverse project requirements.

Local Resources

Supported by Signify's extensive design, engineering, testing, and customisation capabilities, all located within the Pacific region, Pierlite ensures uniquely tailored solutions and unparalleled service.

INNOVATORS TODAY & TOMORROW

Signify continues to innovate in LED lighting and is leading the industry's expansion to lighting systems in both the professional and consumer markets. Our position as the industry leader in connected lighting, makes Signify the lighting company for the Internet of Things (IoT).



To visit our Innovation Centre, contact your Signify sales representative for more information.

Testing the limits of lighting in Australia

The Signify Innovation Centre located in Moorebank NSW, is a state-of-the-art engineering and laboratory facility built to deliver custom product design and full compliance testing.

Signify is one of the few Australian lighting manufacturers that have an in-house NATA accredited testing facility ensuring complete quality control, agile product development and technical aftersales support capabilities.

The Signify Innovation Centre encompasses:

- Photometry
- Thermal chambers
- Endurance chambers
- IP chamber for both water and dust
- Testing facilities for electromagnetic compatibility
- Emergency compliance testing for AS/NZS 2293, AS/NZS 60598.2.22 Luminaires Part 2.22





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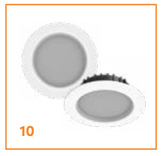
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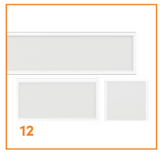

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All products in this catalogue can be operated on 240V/ 50Hz

STARBURST CRYSTAL ECO DOWNLIGHT GEN2



RESIDENTIAL

- One-box solution with 2-in-1-cut-out sizes and fixed or gimble formats.
- Cut-out 90mm, adjustable to 70mm by removing posts on trim.
- Easy to install with flexible clips and pre-wired with 1.2m flex and plug.

COMPATIBLE WITH MEDM & LEDSMART+ DIMMERS

IP20 Ingress Protection Rating
3 Year Warranty
30,000hr Lifetime (L70/B50)
Ta40 Operational Temperature
Phase Dimmable
90mm Cutout
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EFFICACY (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
CRYSECO1G2	9	900	100	3000	Ø110 x 81
CRYSECO5G2	9	900	100	4000	Ø110 x 81

Scan for more information

LITELUX DOWNLIGHT GEN4



RESIDENTIAL

- One-box solution with 3-in-1 colour temperature.
- Complete with 900mm flex and plug.
- Remote or in-built driver options available.

COMPATIBLE WITH MEDM & LEDSMART+ DIMMERS

COLOUR SELECT

IP44 Ingress Protection Rating In-built driver
IP65 Ingress Protection Rating Remote driver
3 Year Warranty
50,000hr Lifetime (L70/B50)
Ta40 Operational Temperature
Phase Dimmable
IC-4 Rating
90mm Cutout
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EFFICACY (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
DLP53/4/65FWG4 (Remote driver)	7	900	112	3000 / 4000 / 6500	Ø115 x 58
DLP63/4/65FWG4 (In-built driver)	7	900	130	3000 / 4000 / 6500	Ø115 x 58

*Based on 4000K

Scan for more information

CONIX DOWNLIGHT



RESIDENTIAL

- One-box solution with 3-in-1 colour temperature.
- Low glare recessed diffused 60˚ lens.
- Complete with 900mm flex and plug.



COLOUR SELECT

IP44 Ingress Protection
3 Year Warranty
50,000hr Lifetime (L70/B50)
Ta40 Operational Temperature
Phase Dimmable
IC-4 Rating
90mm Cutout
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
CNX63/4/65B	6.5	650	100	3000 / 4000 / 6500	Ø110 x 85
CNX63/4/65W	6.5	770	115	3000 / 4000 / 6500	Ø110 x 85

*Based on 4000K

Scan for more information

CONIX TILT DOWNLIGHT



RESIDENTIAL

- 30° tilt - Accent lighting or create "scallop lighting" on your walls.
- 70mm and 90mm cutout sizes available.
- Integrated flicker free driver.



COLOUR SELECT

IP50 Ingress Protection
3 Year Warranty
54,000hr Lifetime (L70/B10)
Ta -20 to 40 Operational Temperature
Phase Dimmable
IC-4 Rating
70mm Cutout CNXTLT5WCCTD70B / CNXTLT5WCCTD70W
90mm Cutout CNXTLT7WCCTD90B / CNXTLT7WCCTD90W
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
CNXTLT5WCCTD70B	5	580	116	3000 / 4000 / 5700	Ø85 x 68
CNXTLT5WCCTD70W	5	606	121	3000 / 4000 / 5700	Ø85 x 68
CNXTLT7WCCTD90B	7	869	124	3000 / 4000 / 5700	Ø105 x 74
CNXTLT7WCCTD90W	7	892	127	3000 / 4000 / 5700	Ø105 x 74

*Based on 4000K

Scan for more information

PIERLUX PLUS COLOUR SELECT DOWNLIGHT



COMMERCIAL

- One-box solution with 3-in-1 colour temperature.
- Recessed diffused front lens.
- Easy to install with wide blade solid springs and 1.2m flex and plug.



COLOUR SELECT

IP44 Ingress Protection Rating
3 Year Warranty
54,000hr Lifetime (L80/B50)
Ta40 Operational Temperature Rating
Phase Dimmable
100mm Cutout PLUX43/4/6K
150mm Cutout PLUX63/4/6KP
200mm Cutout PLUX83/4/6K
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
PLUX43/4/6K	13	1300	100	3000 / 4000 / 6500	Ø120 x 64
PLUX63/4/6KP	24	2800	117	3000 / 4000 / 6500	Ø170 x 66
PLUX83/4/6K	33	3900	118	3000 / 4000 / 6500	Ø220 x 82

*Based on 4000K

Scan for more information

CROSSLINE LIGHT STRIP



RESIDENTIAL

- Available in a dot and dot free version in single colour and Colour Select.
- Design freedom with cutting increments of 25mm (dot free) and 100mm (dot).
- Self-adhesive 3M tape on the back for simple and reliable mounting on various surfaces.

COLOUR SELECT

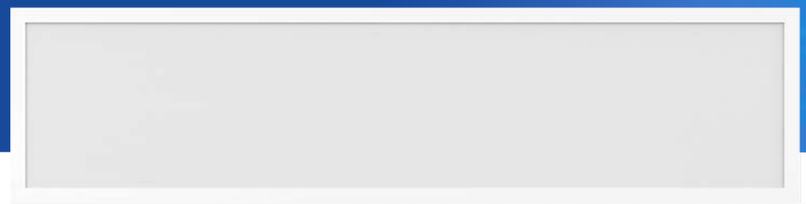
IP20 Ingress Protection Rating
5 Year Warranty
50,000hr Lifetime (L70/B10)
Ta40 Operational Temperature Rating
4SDCM Lifetime (L70/B10)
CRI 90 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm/m)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
CLC05L06930I2E	35	660	100	3000	5000 x 10 x 1.25
CLC05L06940I2E	35	660	100	4000	5000 x 10 x 1.25
CLC05L069CSI2E	35	660	100	3000 / 4000 / 6500	5000 x 10 x 1.25
CLL02L069CSI2E	12	650	100	3000 / 4000 / 6500	2000 x 10 x 1.25
CLL05L069CSI2E	30	650	100	3000 / 4000 / 6500	5000 x 10 x 1.25
CLL05L06930I2E	30	650	100	3000	5000 x 10 x 1.25
CLL05L06940I2E	30	650	100	4000	5000 x 10 x 1.25

*Based on 4000K

Scan for more information

ECO PANEL GEN3



COMMERCIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Easy to install with remote constant driver and 1.2m flex and plug.
- Wide range of accessories available.

COLOUR SELECT LUMEN SELECT

IP40 Ingress Protection Rating

5 Year Warranty

54,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

Non-Dimmable

IK03 Impact Rating

UGR19 Unified Glare Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
ECOPL063CSEG3	13	1347	100	4000 / 5000 / 6500	593.5 x 293.5 x 32
ECOPL066CSLSEG3	25 / 34	2873	115	4000 / 5000 / 6500	593.5 x 593.5 x 32
ECOPL123CSLSEG3	25 / 34	2887	118	4000 / 5000 / 6500	1193.5 x 293.5 x 32
ECOPL126CSLSEG3	36 / 46	4262	118	4000 / 5000 / 6500	1193.5 x 593.5 x 37

*Based on 4000K

		DIMMABLE LED DRIVER ASSEMBLIES FOR ECO PANEL GEN3*			
PRODUCT CODE		DALI	DALI/DSI/PUSH DIM	PHASE DIM	1-10V
ECO-PL063CSEG3	Wattage (W)	13	13	13	13
	Product Code	DA2P36D03001SSR1 /	DA2T25D03001R1	DA2S15PH03001	DA2D32V03001R1
ECO-PL066CSLSEG3	Wattage (W)	25 / 34	25 / 34	25 / 34	34
	Product Code	DA2P36D06501SSR1 / DA2P50D08501SSR1	DA2T45D06501R1 / DA2T45D08501R1	DA2S36PH065/8501	DA2D60V08501R1
ECO-PL123CSLSEG3	Wattage (W)	25 / 34	25 / 34	25 / 34	34
	Product Code	DA2P36D06501SSR1 / DA2P50D08501SSR1	DA2T45D06501R1 / DA2T45D08501R1	DA2S36PH065/8501	DA2D60DV08501R1
ECO-PL126CSLSEG3	Wattage (W)	36 / 46	36 / 46	36 / 46	40
	Product Code	DA2P50D09501SSR1 DA2P50D12001SSR1	DA2T45D09501R1 / DA2T45D12001R1	DA2S50PH095/12001	DA2D60V10501R1

*Sold separately

ACCESSORY CODE	SPECIFICATIONS
FRM/PM18W	Plaster frame to mount in plaster ceiling - White, 600mm x 300mm
FRM/PM18WIDE	Plaster frame to mount in plaster ceiling - White, 600mm x 600mm
FRM/PM36W	Plaster frame to mount in plaster ceiling - White, 1200mm x 300mm
FRM/PM36WIDE	Plaster frame to mount in plaster ceiling - White, 1200mm x 600mm
UDFRM/6-3	Universal deep surface mount frame 600mm x 300mm x 70mm
UDFRM/6-6	Universal deep surface mount frame 600mm x 600mm x 70mm
UDFRM/12-3	Universal deep surface mount frame 1200mm x 300mm x 70mm
UDFRM/12-6	Universal deep surface mount frame 1200mm x 600mm x 70mm
WIRESUSP/ECOPL	Suspension kit - includes 2 sets for 1 panel

Scan for more information

PIERLUX ECO HIGHBAY GEN8



INDUSTRIAL

- Superior housing made ofaluminium die-cast and high-grade ribbed polycarbonate lens.
- Designed to suit greenstar applications.
- Programmable microwave sensor and wide range of accessories available.

COLOUR SELECT LUMEN SELECT DESIGNED FOR **TOUGH AUSTRALIAN CONDITIONS**

IP65 Ingress Protection Rating

5 Year Warranty

54,000hr Lifetime (L70/B10)

Ta -40 to 50 Operational Temperature Rating Standard

Ta -25 to 50 Operational Temperature Rating Sensor

IK08 Impact Rating

CRI 85+ Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
ECOHB120LSUCSG8	70 / 90 / 120	10900 / 14300 / 17700 / 11100	160	4000 / 5000	Ø270 x 153
ECOHB200LSUCSG8	120 / 160 / 200	19900 / 25900 / 30900 / 19700	160	4000 / 5000	Ø310 x 153
PLHB120LSUCSG8SH (Sensor)	70 / 90 / 120	10900 / 14300 / 17700 / 11100	150	4000 / 5000	Ø270 x 153
PLHB200LSUCSG8SH (Sensor)	120 / 160 / 200	19900 / 25800 / 30800 / 19700	150	4000 / 5000	Ø310 x 153

*Based on 4000K

ACCESSORY CODE	SPECIFICATIONS
HBBRKT	Surface Mount Bracket Suits 120W & 200W Eco Highbay
HBRODBRKT	Rod Surface Mount Bracket suit 120W & 200W Eco Highbay
HBWG	Wire guard for Eco & DALI Highbay both 120W & 200W
HBPCREFR	Polycarbonate Refractor t/s Eco & DALI Highbay
HBPCLENS	Polycarbonate refractor lens for Eco & DALI Highbay (ECOHBG5PCREF required)
HBALREFL	Highbay Aluminium Reflector t/s Eco & Dali Highbay
ECOHBSFHF	Motion Sensor for Pierlux Eco Highbay
PMH10	Remote control for programming Eco highbay on/off control sensor ECOHBSFHF
HBGRIP2MKIT	Highbay Gripple Suspension kit - Purlin Bracket 2m Hanger c/w 214 Gauge & Screws

Scan for more information

Highbays

ORION OYSTER GEN3



RESIDENTIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Removeable trim for a different look.
- Available in a motion and daylight sensor option.



COLOUR SELECT LUMEN SELECT

IP54 Ingress Protection
3 Year Warranty
54,000hr Lifetime (L70/B50)
Ta40 Operational Temperature
Phase Dimmable ORN16W3/4/6KDG3 ORN23W3/4/6KDG3
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
ORN16W3/4/6KDG3	16	1400	95	4000 / 5000 / 6000	Ø300 x 90
ORN23W3/4/6KDG3	16 / 23	2000	95	4000 / 5000 / 6000	Ø350 x 80
ORN23W3/4/6KSG3 (Sensor)	16 / 23	1900	95	4000 / 5000 / 6000	Ø350 x 80

*Based on 4000K

Scan for more information

SLIMLINE OYSTER GEN3



RESIDENTIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Available in 2 sizes (30cm & 40cm).
- 25mm cable entry with large PA12 terminals and a new push-to-lock feature for easy installation.



COLOUR SELECT LUMEN SELECT

IP54 Ingress Protection
5 Year Warranty
60,000hr Lifetime (L70/B10)
Ta40 Operational Temperature
Phase Dimmable
IK03 Impact Rating
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
SL17W3/4/57KDG3	18	1812	100	3000 / 4000 / 5700	Ø300 x 36
SL24W3/4/57KDG3	17 / 24	2501	100	3000 / 4000 / 5700	Ø400 x 36

*Based on 4000K

Scan for more information

OBL MINI BATTEN



RESIDENTIAL

- One-box solution with 2-in-1 colour select and lumen select options.
- Built in 3-way switch for quick and easy adjustment of light levels (OFF, DIM (10W) and Bright (15W).
- Using DPDT switch to isolate both live and neutral - suitable for caravans and mobile homes.

COLOUR SELECT LUMEN SELECT

IP44 Ingress Protection Rating

3 Year Warranty

54,000hr Lifetime (L70/B10)

Ta45 Operational Temperature Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
OBL600	10 / 15	1680	112	3000 / 4000	595 x 60 x 70.7
OBL900	15 / 20	2100	105	3000 / 4000	895 x 60 x 70.7

*Based on 4000K

Scan for more information

ECO BATTEN GEN4



COMMERCIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Uses quick release clips and removable connectors.
- Available in emergency.

COLOUR SELECT LUMEN SELECT

IP20 Ingress Protection Rating

5 Year Warranty

54,000hr Lifetime (L70/B10)

Ta40 Operational Temperature Rating

Non-Dimmable

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
ECOBAT202ECSLSG4	11 / 14 / 16 / 18	2000	110	4000 / 5000 / 6500	603 x 74 x 74
ECOBAT202ECSLSSG4 (Sensor)	11 / 14 / 16 / 18	2000	110	4000 / 5000 / 6500	603 x 74 x 74
ECOBAT404ECSLSG4	20 / 25 / 30 /36	4000	110	4000 / 5000 / 6500	1164 x 74 x 74
ECOBAT404ECSLSSG4 (Sensor)	20 / 25 / 30 / 36	4000	100	4000 / 5000 / 6500	1164 x 74 x 74
ECOBAT505ECSLSG4	30 / 35 / 45 / 50	6900	110	4000 / 5000 / 6500	1500 x 74 x 74
ECOBAT505ECSLSSG4 (Sensor)	30 / 35 / 45 / 50	6900	110	4000 / 5000 / 6500	1500 x 74 x 74

*Based on 4000K

Scan for more information

SLIMLINE BATTEN



COMMERCIAL

- Low profile metal housing with opalised diffuser for even light distribution.
- Centre cable entry and large screw-in terminal block for quick and easy installation.
- Built-in flicker free LED driver for increased visual comfort.

COLOUR SELECT LUMEN SELECT

IP20 Ingress Protection Rating

3 Year Warranty

54,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
SLBAT202ECSLS	14 / 17 / 20	1450 / 1700 / 1900	95	4000 / 5000 / 6500	630 x 90 x 44
SLBAT404ECSLS	20 / 28 / 36	2400 / 3200 / 3950	110	4000 / 5000 / 6500	1230 x 90 x 44
SLBAT505ECSLS	35 / 41 / 50	3900 / 4200 / 4600	110	4000 / 5000 / 6500	1530 x 90 x 44

*Based on 4000K

Scan for more information

NIPPER BATTEN GEN2



COMMERCIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Wide 130mm base to easily replace old and energy consuming twin fluorescent battens.
- Available in emergency.

COLOUR SELECT LUMEN SELECT

IP20 Ingress Protection Rating

5 Year Warranty

54,000hr Lifetime (L80/B50)

Ta40 Operational Temperature Rating

Non-Dimmable

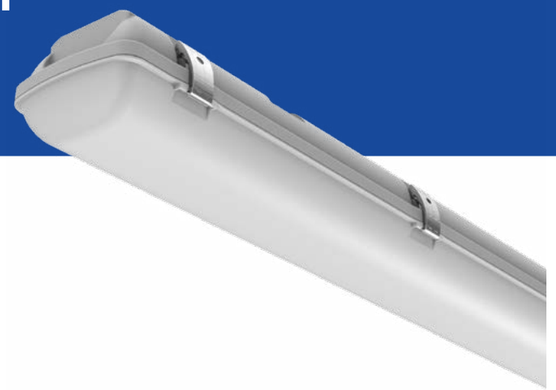
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
NIPBAT202ECSLSG2	11 / 14 / 16 / 18	1900	105	4000 / 5000 / 6500	630 x 130 x 74
NIPBAT404ECSLSG2	20 / 25 / 30 / 36	4000	110	4000 / 5000 / 6500	1230 x 130 x 74
NIPBAT505ECSLSG2	35 / 45 / 50	6300	125	4000 / 5000 / 6500	1500 x 130 x 74

*Based on 4000K

Scan for more information

BWP ECO WEATHERPROOF BATTEN GEN2



INDUSTRIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Wide body to cover old footprint, large terminal block, stainless steel mounting clips and 20mm cable gland.
- Sensor and emergency options available.

COLOUR SELECT LUMEN SELECT

IP65 Ingress Protection Rating

3 Year Warranty

54,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

Non-Dimmable

IK08 Impact Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
BWPECO202ECS	18	2500	138	3000 / 4000 / 6000	655 x 130 x 92
BWPECO404ECSLS	20 / 27 / 33 / 40	5200	117	3000 / 4000 / 6000	1265 x 130 x 92
BWPECO505ECS	52	5200	119	3000 / 4000 / 6000	1565 x 130 x 92

*Based on 4000K

Scan for more information

BWP ECO SENSOR WEATHERPROOF BATTEN GEN2



INDUSTRIAL

- One-box solution with 3-in-1 colour select, lumen select and Tri-level sensor.
- Wide body to cover old footprint, large terminal block, stainless steel mounting clips and 20mm cable gland.
- Standard and emergency options available.

COLOUR SELECT LUMEN SELECT

IP65 Ingress Protection Rating

5 Year Warranty

54,000hr Lifetime (L70/B10)

Ta40 Operational Temperature Rating

IK08 Impact Rating

CRI 80 Colour Rendering Index

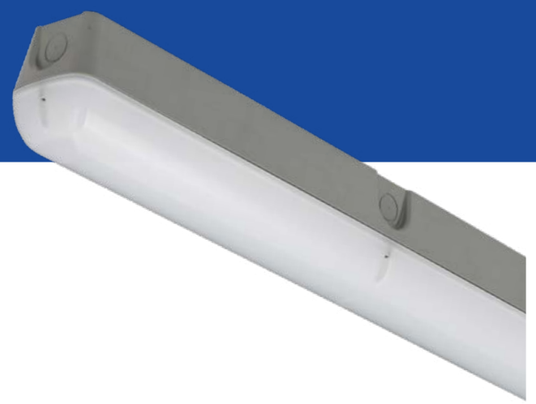
PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
BWPECO202ECSS2	14 / 16 / 19	1946	130	3000 / 4000 / 6500	655 x 130 x 92
BWPECO404ECSS2	22 / 27 / 33 / 39	4618	130	3000 / 4000 / 6500	1265 x 130 x 92
BWPECO505ECSS2	30 / 38 / 46 / 55	6150	130	3000 / 4000 / 6500	1565 x 130 x 92

*Based on 4000K

ACCESSORY CODE	DESCRIPTION
PMH10	Remote for Pierlux Sensor HB & BWP ECO Sensor Gen2

Scan for more information

VANDALED WEATHERPROOF BATTEN



INDUSTRIAL

- One-box solution with 2-in-1 colour select.
- Stainless steel allen key screws are retained in the durable silicone seal.
- Five optional cable entry points.

COLOUR SELECT

IP65 Ingress Protection
5 Year Warranty
60,000hr Lifetime (L70/B10)
Ta50 Operational Temperature
IK10 Impact Rating
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
VLED20ECS	20	2276 / 2407	120	3000 / 4000	600 x 70 x 85

*Based on 4000K

Scan for more information

CARLTON BUNKER



RESIDENTIAL

- One-box solution with 3-in-1 colour temperature and bonus decorative caged trim.
- Easy to install with rear cable entry and suitable for wall and ceiling.
- Available in 2 sizes (large and small) and 2 colour housing (white and black).

COLOUR SELECT

IP54 Ingress Protection
2 Year Warranty
30,000hr Lifetime (L70/B50)
Ta40 Operational Temperature
Non-Dimmable
IK04 Impact Rating
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
CB2746466 (Black)	9	698	72	3000 / 4000 / 6000	Ø180 x 95
CB2746870 (Black)	14.5	1284	76	3000 / 4000 / 6000	Ø240 x 118
CB2746567 (White)	9	698	72	3000 / 4000 / 6000	Ø180 x 95
CB2746971 (White)	14.5	1284	76	3000 / 4000 / 6000	Ø240 x 118
CB2747274 (Black)	9	606	72	3000 / 4000 / 6000	210 x 110 x 90
CB2747678 (Black)	14.5	1109	76	3000 / 4000 / 6000	285 x 165 x 120
CB2747375 (White)	9	606	72	3000 / 4000 / 6000	210 x 110 x 90
CB2747779 (White)	14.5	1109	76	3000 / 4000 / 6000	285 x 165 x 120

*Based on 4000K

Scan for more information

SIRROCO II BULKHEAD



COMMERCIAL

- One-box solution with bonus decorative eyelid trim, different look same fitting for different areas.
- Double-insulated fitting, no earthing required.
- “Fit and forget” with integrated HF sensor, light stays off when adequate daylight is detected.

IP66 Ingress Protection Rating

3 Year Warranty

30,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

Non-Dimmable

IK10 Impact Rating

CRI 80 Colour Rendering Index

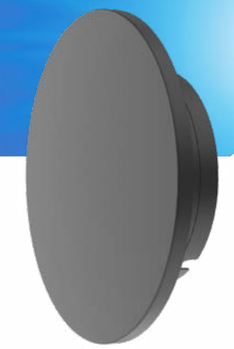
PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EFFICACY (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
CBH49287WH (White)	12	1000	80	4000	Ø300 x 90
CBH49285BK (Black)	12	1000	80	4000	Ø300 x 90
CBH49289BKSEN (Black / Sensor)	12	1000	83	4000	Ø300 x 90

SENSOR SPECIFICATION*	
Sensor type	High frequency sensor
Detection zone	Max: 8m (Ø) x 5m (H)
Detection angle	Select from 2 options; 50˚ or 100˚
Sensor sensitivity	Select from 2 options; 50% or 100%
Hold-time	Select from 4 options; 5s, 90s, 3min,10min
Light level detection range	Select from 4 options; 2 Lux, 10 Lux, 50 Lux, disable
Stand-by time	Select from 4 options; 0s, 10s, 10min, +∞
Stand-by dim level	Select from 2 options; 10% or 30%

*Applicable to CBH49289BKSEN HF Sensor variation only.

Scan for more information

SIRROCO INDIRECT WALL LIGHT



COMMERCIAL

- One-box solution with 3-in-1 colour select and lumen select.
- Rear cable entry with large terminal blocks.
- Designed for indoor and outdoor applications.

COLOUR SELECT LUMEN SELECT

IP65 Ingress Protection Rating

5 Year Warranty

54,000hr Lifetime (L80/B10)

Ta -20 to 40 Operational Temperature Rating

IK10 Impact Rating

CRI 90 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
RWL27/30/40BLK	7 / 12 / 17 / 22	710 / 1190 / 1590 / 1940	88	2700 / 3000 / 4000	Ø250 x 62

*Based on 4000K

Scan for more information

JULUX BULKHEAD GEN3



COMMERCIAL

- One-box solution with 2-in-1 colour temperature.
- Wall or ceiling mounted.
- Six cable entry points.

COLOUR SELECT

IP65 Ingress Protection Rating

3 Year Warranty

30,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

Non-Dimmable

IK08 Impact Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
JUL15ECS	15	1574	108	3000 / 4000	245 x 125 x 120

*Based on 4000K

Scan for more information

TABLET WALL LIGHT



RESIDENTIAL

- Made with die-cast aluminium, frosted glass diffuser and stainless steel screws.
- Rear cable entry with large terminal blocks.
- Two light distributions direct & direct / indirect with colour select.

COLOUR SELECT

IP65 Ingress Protection Rating

5 Year Warranty

50,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

IK06 Impact Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
TABLDI830BG3	7	758	101	3000 / 4000 / 5000	170.5 x 94.6 x 59.5
TABL830BG3	4	370	92	3000	170.5 x 94.6 x 59.5

*Based on 4000K

Scan for more information

Bulkheads & Bunkers

MAXIMASTER FLOODLIGHT GEN3



INDUSTRIAL

- One-box solution with 3-in-1 colour select and lumen select.
- Robust chromated aluminium housing for rough service applications.
- Supplied with 2 x 20mm cable entries, 2 x 20mm metal cable gland and 6mm² terminal block.

COLOUR SELECT LUMEN SELECT™

IP66 Ingress Protection	5 Year Warranty	54,000hr Lifetime (L80/B10)	Ta-25 to 50 Operational Temperature	IK08 Impact Rating 100W	IK10 Impact Rating 240W	CRI 80 Colour Rendering Index	6kV Surge Protection 100W	10kV Surge Protection 240W

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
MML100LSCSA (Asymmetrical)	30 / 50 / 70 / 100	4800 / 8200 / 11000 / 15000	Up to 160	3000 / 4000 / 5000	279 x 267 x 124
MML100LSCSS (Symmetrical)	30 / 50 / 70 / 100	4800 / 8300 / 11100 / 15200	Up to 160	3000 / 4000 / 5000	279 x 267 x 124
MML240LSCSA (Asymmetrical)	150 / 200 / 240	27000 / 34800 / 40200	Up to 180	3000 / 4000 / 5000	518 x 355 x 153
MML240LSCSS (Symmetrical)	150 / 200 / 240	27600 / 36000 / 41400	Up to 180	3000 / 4000 / 5000	518 x 355 x 153

*Based on 4000K

Scan for more information

SHADOW FLOODLIGHT GEN3

Commercial



Residential



RESIDENTIAL **COMMERCIAL**

- One-box solution with 3-in-1 colour select and lumen select option.
- Die-cast aluminium body with a black powder coat finish.
- PIR sensor options available.

COLOUR SELECT LUMEN SELECT™

IP65 Ingress Protection	5 Year Warranty	102,000hr Lifetime (L70/B50)	Ta -25 to 40 Operational Temperature	IK08 Impact Rating

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
SHAD30CSLSG3	15 / 30	2080 / 4050	138	3000 / 4000 / 5000	168 x 178 x 37
SHAD30CSLSPG3 (Sensor)	15 / 30	2080 / 4050	138	3000 / 4000 / 5000	168 x 178 x 37
SHAD50CSG3	50	6600	136	3000 / 4000 / 5000	205 x 223 x 36
SHAD50CSPG3 (Sensor)	50	660	136	3000 / 4000 / 5000	205 x 223 x 36
SHAD100CSG3	100	14000	130	3000 / 4000 / 5000	290 x 308 x 58
SHAD200CSG3	200	28000	141	3000 / 4000 / 5000	345 x 374 x 58

*Based on 4000K

Scan for more information

PIERLUX SECURITY LIGHT



RESIDENTIAL

- One-box solution with 3-in-1 colour select.
- Robust aluminum heads with UV protected polycarbonate housing.
- Removable / replaceable sensor with adjustable sensitivity, time and ambient lux level.

COLOUR SELECT

IP54 Ingress Protection
5 Year Warranty
54,000hr Lifetime (L70/B50)
Ta40 Operational Temperature
IK06 Impact Rating
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	DIMENSIONS L x W x H (mm)
PSL12BCSPS (Black)	12	953	79	3000 / 4000 / 5700	252 x 114 x 147
PSL12WCSPS (White)	12	953	79	3000 / 4000 / 5700	252 x 114 x 147
PSL24BCSPT (Black)	24	1847	77	3000 / 4000 / 5700	210 x 210 x 152
PSL24WCSPT (White)	24	1847	77	3000 / 4000 / 5700	210 x 210 x 152

*Based on 4000K

Scan for more information

NIPPER EMERGENCY BATTEN GEN2



COMMERCIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Wide 130mm base to easily replace old and energy consuming twin fluorescent battens.
- Replaceable Lithium Iron Phosphate (LiFePO4) battery.

COLOUR SELECT LUMEN SELECT

IP20 Ingress Protection
5 Year Warranty
4 Year Warranty (Battery)
54,000hr Lifetime (L80/B50)
Ta40 Operational Temperature
Non-Dimmable
CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
NIPBAT404ECSLME	18 / 25 / 30 / 36	2200 / 2890 / 3300 / 3860	107	4000 / 5000 / 6500	Manual / Maintained	1230 x 130 x 74

*Based on 4000K

ACCESSORY CODE	DESCRIPTION
BATPK1500/2L213W	LiFePO4 battery, 2 cell 6.4V 1500mAh (3Wire)

SPACING TABLE AND MOUNTING HEIGHTS (NIPBAT404ECSLME)
EMERGENCY CLASSIFICATION: CC0/C180:D40 & C90/C270:D25

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m
D40	11.5	13.2	14.8	16.5	17.6	18	18.5	19	19.5	20.1	20.5
D25	11.5	13.2	14.8	15.7	16.1	16.4	16.8	17.3	17.6	18.1	18.3

Scan for more information

ECO BATTEN EMERGENCY GEN4



COMMERCIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Uses quick release clips and removable connectors.
- Replaceable Lithium Iron Phosphate (LiFePO4) battery.

COLOUR SELECT LUMEN SELECT

IP20 Ingress Protection Rating	5 Year Warranty	4 Year Warranty (Battery)	54,000hr Lifetime (L70/B50)	Ta40 Operational Temperature Rating	Non-Dimmable	CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
ECOBAT202ECSLSG4M	11 / 14 / 16 / 18	1100 / 1500 / 1600 / 1900	120	4000 / 5000 / 6500	Manual / Maintained	603 x 74 x74
ECOBAT404ECSLSG4M	18 / 25 / 30 / 36	2300 / 3000 / 3500 / 4000	120	4000 / 5000 / 6500	Manual / Maintained	1164 x 74 x 74
ECOBAT505ECSLSG4M	30 / 35 / 45 / 50	4200 / 5000 / 6000 / 6000	120	4000 / 5000 / 6500	Manual / Maintained	1500 x 74 x 74

*Based on 4000K

ACCESSORY CODE	DESCRIPTION
BATPK1500/2L213W	LiFePO4 battery, 2 cell 6.4V 1500mAh (3Wire)

SPACING TABLE AND MOUNTING HEIGHTS (ECOBAT202ECSLSG4M - 2FT)
EMERGENCY CLASSIFICATION: CC0/C180:D40 & C90/C270:D25

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m
D40	11.5	13.2	14.8	16.5	18.1	19.8	21.8	22.5	23.1	24.1	24.9
D25	11.5	13.2	14.8	15.7	16.1	16.4	16.8	17.3	17.6	18.1	18.3

SPACING TABLE AND MOUNTING HEIGHTS (ECOBAT404ECSLSG4M - 4FT)
EMERGENCY CLASSIFICATION: C0/C180:D50 & C90/C270:D25

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m
D50	11.5	13.2	14.8	16.5	18.1	19.8	21.8	22.5	23.1	24.1	24.9
D25	11.5	13.2	14.8	15.7	16.1	16.4	16.8	17.3	17.6	18.1	18.3

Scan for more information

BWP ECO EMERGENCY WEATHERPROOF BATTEN GEN2



INDUSTRIAL

- One-box solution with 3-in-1 colour select and lumen select options.
- Wide body to cover old footprint, large terminal block, stainless steel mounting clips and 20mm cable gland.
- Replaceable Lithium Iron Phosphate (LiFePO4) battery.

COLOUR SELECT LUMEN SELECT

IP65 Ingress Protection Rating

5 Year Warranty (including battery)

54,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

Non-Dimmable

IK08 Impact Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
BWPECO202ECSE	18	2500	139	3000 / 4000 / 6000	Self-test / Maintained	655 x 130 x 92
BWPECO404ECSE	20 / 27 / 33 / 40	2700 / 3600 / 4200 / 5200	Up to 135	3000 / 4000 / 6000	Self-test / Maintained	1265 x 130 x 92
BWPECO505ECSE	52	6200	120	3000 / 4000 / 6000	Self-test / Maintained	1565 x 130 x 92

*Based on 4000K

ACCESSORY CODE	DESCRIPTION
BATPK1500/2L213W	LiFePO4 battery, 2 cell 6.4V 1500mAh (3Wire)

SPACING TABLE AND MOUNTING HEIGHTS (BWP ECO - 2FT & 4FT)
EMERGENCY CLASSIFICATION: C0/C180:D63 & C90/C270:D32

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m	8m
D63	11.5	13.2	14.8	16.5	18.1	19.8	22	24.5	25.2	26.4	27.3	28
D32	11.5	13.2	14.8	16.5	17.6	18	18.5	19	19.5	20.1	20.5	20.7

SPACING TABLE AND MOUNTING HEIGHTS (BWPECO505ECSE - 5FT)
EMERGENCY CLASSIFICATION: C0/C180:D40 & C90/C270:D32

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m	8m
D40	11.5	13.2	14.8	16.5	18.1	19.5	20.1	20.7	21.2	22.1	22.6	20.5
D32	11.5	13.2	14.8	16.5	17.6	18	18.5	19	19.5	20.1	20.5	20.7

Scan for more information

BWP ECO SENSOR EMERGENCY WEATHERPROOF BATTEN GEN2



INDUSTRIAL

- One-box solution with 3-in-1 colour select, lumen select and Tri-level sensor.
- Wide body to cover old footprint, large terminal block, stainless steel mounting clips and 20mm cable gland.
- Replaceable Lithium Iron Phosphate (LiFePO4) battery.

COLOUR SELECT LUMEN SELECT

IP65 Ingress Protection Rating

5 Year Warranty (including battery)

54,000hr Lifetime (L70/B10)

Ta40 Operational Temperature Rating

IK08 Impact Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS* (lm)	EFFICACY* (lm/W)	CCT (K)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
BWPECO404ECSEMS2	26 / 32 / 37 / 43	3188 / 3887 / 4617 / 5298	130	3000 / 4000 / 6500	Manual / Maintained	1265 x 130 x 92
BWPECO505ECSEMS2	33 / 41 / 49 / 58	4165 / 5093 / 6068 / 6866	130	3000 / 4000 / 6500	Manual / Maintained	1565 x 130 x 92

*Based on 4000K

ACCESSORY CODE	DESCRIPTION
PMH10	Remote control is not included
BATPK1500/2L213W	LiFePO4 battery, 2 cell 6.4V 1500mAh (3Wire)

SPACING TABLE AND MOUNTING HEIGHTS (BWPECO404ECSEMS2 - 4FT SENSOR)
EMERGENCY CLASSIFICATION: CO/C180 D63 C90/C270:D40

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m
D63	11.5	13.2	14.8	16.5	18.1	19.8	22	24.7	26	28.4	30.5
D40	11.5	13.2	14.8	16.5	17.6	18	18.5	19	19.5	20.1	20.5

SPACING TABLE AND MOUNTING HEIGHTS (BWPECO505ECSEMS2 - 5FT SENSOR)
EMERGENCY CLASSIFICATION: CO/C180 D50 C90/C270:D32

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m
D50	11.5	13.2	14.8	16.5	18.1	19.8	21.8	22.5	23.1	24.1	24.9
D32	11.5	13.2	14.8	16.5	17.6	18	18.5	19	19.5	20.1	20.5

Scan for more information

Emergency & Exit

PIERLUX ECO EMERGENCY HIGHBAY GEN8



INDUSTRIAL

- Superior housing made of aluminium die-cast and high-grade polycarbonate lens.
- Replaceable Lithium Iron Phosphate (LiFePO4) battery.
- Includes a bicolour LED indicator, test switch and infrared remote with a 15m range for ease of emergency testing.

COLOUR SELECT LUMEN SELECT

IP65 Ingress Protection Rating

5 Year Warranty

3 Year Warranty (Battery)

54,000hr Lifetime (L70/B10)

Ta45 Operational Temperature Rating

IK08 Impact Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EFFICACY (lm/W)	CCT (K)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
ECOHB120LSUCSG8EM	70 / 90 / 120	11100 / 14500 / 18100	Up to 160	4000 / 5000	Manual / Maintained	Ø270 x 396
ECOHB200LSUCSG8EM	120 / 160 / 200	19700 / 25600 / 30600	Up to 160	4000 / 5000	Manual / Maintained	Ø310 x 396

*Based on 5000K

ACCESSORY CODE	DESCRIPTION
ECOHBEMKIT	Replacement kit with LiFeP04 battery, 4 cell 12.8V 3300mAh battery
ECOHBEMRMT	Remote control

SPACING TABLE AND MOUNTING HEIGHTS (PIERLUX ECO - 120W)
EMERGENCY CLASSIFICATION: C0/C180:D80 & C90/C270:D80

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m	8m	9m	10m	15m	20m
D80	11.5	13.2	14.8	16.5	18.1	19.8	22	24.7	27.5	28.9	30	30.9	31.5	32.1	32.3	28.8

SPACING TABLE AND MOUNTING HEIGHTS (PIERLUX ECO - 200W)
EMERGENCY CLASSIFICATION: C0/C180:D100 & C90/C270:D100

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m	8m	9m	10m	15m	20m
D100	11.5	13.2	14.8	16.5	18.1	19.8	22	24.7	27.5	31.3	32.6	33.7	34.5	35.2	36.5	34.4

Scan for more information

Emergency & Exit

BLADE ECO EXIT LIGHT



COMMERCIAL

- Durable Lithium Iron Phosphate (LiFePO4) battery for reliable performance.
- Includes pictograms plus surface, wall and recessed mounting brackets.
- Available in theatre version with optional rod and wire-string suspension mounts (sold separately).

IP65 Ingress Protection

5 Year Warranty

3 Year Warranty (Battery)

54,000hr Lifetime (L70/B10)

Ta45 Operational Temperature

IK08 Impact Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
BLADEECOWH (White)	3	33	Manual / Maintained	430 x 100 x 210
BLADEECOBK (Black)	3	-	Manual / Maintained	430 x 100 x 210

ACCESSORY CODE	DESCRIPTION
BLADEPROSUSKITWH	Rod and wire mounted kit (rod and wire excluded)
BATPK1500/1L11	LiFePO4, battery pack 1 CELL3.2V 1500mAh

SPACING TABLE AND MOUNTING HEIGHTS (BLADEECOWH & BLADEECOBK) EMERGENCY CLASSIFICATION: C0/C180: D4 & C90/C270:D1.25

CLASSIFICATION	2.1m	2.4m	2.7m
D4	7.1	7.2	7.3
D1.25	3.9	3.7	0

Scan for more information

DIRECTOR 2 EXIT LIGHT



COMMERCIAL

- Wall and ceiling mount, complete with replaceable Lithium Iron Phosphate (LiFeP04) battery.
- Includes all pictogram inserts and one box solution with a fully integrated assembly makes for easier installation.
- Available in DALI.

IP20 Ingress Protection

3 Year Warranty (including battery)

50,000hr Lifetime (L70/B50)

Ta40 Operational Temperature

24m Viewing Distance

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
DIRLEDPDSL (Ceiling)	4.6	220	Manual / Maintained	380 x 160 x 220
DIRLEDPSSL (Wall)	4.6	220	Manual / Maintained	380 x 110 x 160

ACCESSORY CODE	DESCRIPTION
BATPK1500/1L11	LiFePO4 battery, 1 cell 3.2V 1500mAh

SPACING TABLE AND MOUNTING HEIGHTS (DIRLEDPDSL - CEILING MOUNT) EMERGENCY CLASSIFICATION: CO/C180:D5 & C90/C270:D6.3

CLASSIFICATION	2.1m	2.4m	2.7m
D50	7.8	8	8.9
D6.3	8.5	8.8	8.9

SPACING TABLE AND MOUNTING HEIGHTS (DIRLEDPSSL - WALL MOUNT) EMERGENCY CLASSIFICATION: CO:E1 & C90/C270:E1.25

CLASSIFICATION	2.1m	2.4m	2.7m
E1	3.7	0	0
E1.25	4.1	4.1	0

Scan for more information

STINGRAY EXIT LIGHT GEN3



COMMERCIAL

- Durable Lithium Iron Phosphate (LiFePO4) battery for reliable performance.
- Includes pictograms plus surface, wall and recessed mounting brackets. Optional rod and suspended kits available.
- Available in theatre version, Self test and DALI2.

IP20 Ingress Protection Rating

5 Year Warranty

50,000hr Lifetime (L70/B10)

Ta40 Operational Temperature Rating

24m Viewing Distance

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
STINGWHG3	4.17	68	Manual / Maintained	399.8 x 81.5 x 249
STINGBKG3	4.17	68	Manual / Maintained	399.8 x 81.5 x 249

ACCESSORY CODE	DESCRIPTION
BLADEPROSUSKITWH	Rod and wire mounted kit (rod and wire excluded)
DGLCEM3200/1L11	Battery LiFePO4 1 Cell 3.2V 3200mAh

SPACING TABLE AND MOUNTING HEIGHTS (STINGWHG3)
EMERGENCY CLASSIFICATION: CO/C180:D8 & C90/C270:D6.3

CLASSIFICATION	2.1m	2.4m	2.7m
D8	9.4	9.7	9.9
D6.3	8.5	8.8	8.9

Scan for more information

FIREFLY 2 EMERGENCY LIGHT



COMMERCIAL

- Recessed mount with optional surface mount kit available.
- Flex and plug included.
- Replaceable Lithium Iron Phosphate (LiFePO4) battery.

IP20 Ingress Protection Rating

3 Year Warranty (including battery)

50,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
FFRLED2 (White)	2.5	174	Manual / Non-maintained	Ø140 x 48.5
FFRLEDBK2 (Black)	2.5	174	Manual / Non-maintained	Ø140 x 48.5

ACCESSORY CODE	DESCRIPTION
FFSLEDKITWH	Surface mounted kit (white)
FFSLEDKITBK	Surface mounted kit (black)
FFSLEDKITWHWP	Firefly 2 IP65 surface mount kit for FFRLED2
BATPK1200/4L41	LiFePO4, 4 cell 6.4V 1200 mAh rechargeable battery pack

SPACING TABLE AND MOUNTING HEIGHTS (FFRLED2 & FFRLEDBK2)
EMERGENCY CLASSIFICATION: CO/C180:D32 & C90/C270:D32

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m
D32	11.5	13.2	14.8	16.5	17.6	18	18.5	19	19.5	20.1

Scan for more information

Emergency & Exit

PATHFINDER ECO EMERGENCY LIGHT



COMMERCIAL

- Recessed mount with optional surface mount kit available.
- Flex and plug included.
- Replaceable Lithium Iron Phosphate (LiFePO4) battery.

IP20 Ingress Protection Rating

3 Year Warranty (including battery)

109,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
PFLED-ECO	2.5	217	Manual / Non-maintained	Ø214 x 60
PFLED-ECO-SF	2.5	217	Manual / Non-maintained	Ø140 x 34

ACCESSORY CODE	DESCRIPTION
PFSKIT-L2	Pathfinder 2 D80 surface kit white
FFLEDVK	Ceiling mount Vandal kit
BATPK1500/1L11	LiFePO4, battery pack 1 CELL 3.2V 1500mAh rechargeable battery pack

SPACING TABLE AND MOUNTING HEIGHTS (PFLED-ECO & PFLED-ECO-SF)
EMERGENCY CLASSIFICATION: CO/C180:D40 & C90/C270:D40

CLASSIFICATION	2.1m	2.4m	2.7m	3m	3.3m	3.6m	4m	4.5m	5m	6m	7m
D40	11.5	13.2	14.8	16.5	18.1	19.5	20.1	20.7	21.2	22.1	22.6

Scan for more information

GUARDIAN 2 EMERGENCY FLOODLIGHT



INDUSTRIAL

- Adjustable twin head floodlight for wall or ceiling surface mounting.
- Non-corrosive polycarbonate housing and reflectors.
- Replaceable Lithium Iron Phosphate (LiFePO4) battery.

IP20 Ingress Protection Rating

3 Year Warranty (including battery)

50,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

Non-Dimmable

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	EFFICACY (lm/W)	CCT (K)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
GRLED7FL-L	4	616	100	4000	Manual / Non-maintained	350 x 80 x 80

ACCESSORY CODE	DESCRIPTION
GRWPENCL	IP65 enclosure
DGLCEM3200/2L12	Battery LiFePO4 2C 6.4V 3200mAh

Scan for more information

GUARDIAN WEATHERPROOF EMERGENCY LIGHT



INDUSTRIAL

- Complete with replaceable Lithium Iron Phosphate (LiFeP04) battery.
- Unique interchangeable lens (60° or 100°).
- Interact and DALI2 options available.

IP65 Ingress Protection Rating

5 Year Warranty

50,000hr Lifetime (L70/B50)

Ta40 Operational Temperature Rating

CRI 80 Colour Rendering Index

PRODUCT CODE	WATTAGE (W)	LUMENS (lm)	CCT (K)	EMERGENCY OPERATION	DIMENSIONS L x W x H (mm)
GDNWPEM	7.8	892	6000	Manual / Non-maintained	68.50 x 294 x 300

ACCESSORY CODE	DESCRIPTION
DGLCEM3200/2L12	Battery LiFePO4 2Cell 6.4V 3200mAh (2hr)

Scan for more information

DIGINET MEDM ADAPTIVE PHASE DIMMER



RESIDENTIAL

- Rotary control with mechanical adjustment for minimum brightness level.
- Separately switched 2-wire design - no neutral wire connection required
- Soft start to help prolong the lamp and driver life.

IP20 Ingress Protection Rating

2 Year Warranty

Ta50 Operational Temperature Rating

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
MEDM	Dimmer precision phase adaptive mechanism	24 x 23.7 x 41

ACCESSORY CODE	DESCRIPTION
DGACCESSPK5	5x black dials for MEDM dimmers

Scan for more information

DIGINET LEDSMART+™ DIMMERS & SWITCHES



RESIDENTIAL

- Suitable for one-way, two-way, three-way and multi-way dimming.
- MultiMate™ technology allows multi-way dimming / switching with no extra wires.
- Active only two wire connection - no neutral required.

Powered by MultiMate TECHNOLOGY

IP20 Ingress Protection Rating

2 Year Warranty

Ta50 Operational Temperature Rating

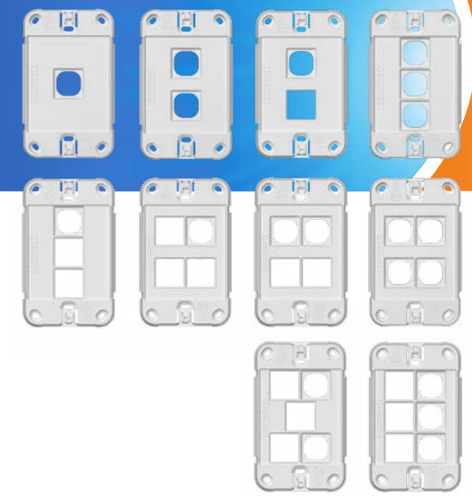
PRODUCT CODE	DESCRIPTION	COMPATIBLE WITH	DIMENSIONS L x W x H (mm)
MMDM/RT	Rotary dimmer / switch	Phase dimming product	24 x 24 x 50
MMDM/PB	Push button dimmer / switch	Phase dimming product	24 x 24 x 45
MMSW/PB	Push button switch	Phase dimming product	24 x 24 x 45

ACCESSORY CODE	DESCRIPTION
MMCE/RT (suitable for RT only)	LEDsmart+ rotary controller and wall mounting kit
MMCE/SS1 (suitable for PB only)	LEDsmart+ circular push button enclosure and mounting kit - single
MMCE/SS2 (suitable for PB only)	LEDsmart+ circular push button enclosure and mounting kit - double
DGACCESSPK1	Coloured bezel adaptor kits LEDsmart and Rapix push buttons
DGACCESSPK2	Push button adaptor kit for LEDsmart+ and Rapix push button SW
DGACCESSPK3	Rotary adaptor kit for LEDsmart+ and Rapix rotary products

MMDM/RT MMSW/PB MMDM/PB

Scan for more information

DIMMER GRID PLATES FOR CLIPSAL ICONIC™



RESIDENTIAL

- Seamless integration between a range of Diginet MEDM and LEDsmart + dimmers and Clipsal Iconic™ Switch configurations include integration of Clipsal Iconic™ Switches and Skins.

2 Year Warranty

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
MEDMGP2G	MEDM Grid Plate for 40m Clipsal Iconic Switch 2 gang (configuration 1 dimmer 1 switch)	50.6 x 13 x 96.7
MEDMGP3G	MEDM Grid Plate for 40m Clipsal Iconic Switch 3 gang (configuration 1 dimmer 2 switch)	50.6 x 13 x 96.7
MEDMGP4G1D3S	MEDM Grid Plate for 40m Clipsal Iconic Switch 4 gang (configuration 1 dimmer 3 switch)	50.6 x 13 x 96.7
MEDMGP4G2D2S	MEDM Grid Plate for 40m Clipsal Iconic Switch 4 gang (configuration 2 dimmer 2 switch)	50.6 x 13 x 96.7
MEDMGP5G	MEDM Grid Plate for 40m Clipsal Iconic Switch 5 gang (configuration 2 dimmer 3 switch)	50.6 x 13 x 96.7
MEDMGP6G	MEDM Grid Plate T/S 40m Clipsal Iconic Switch 6 gang (configuration 3 dimmer 3 switch)	50.6 x 13 x 96.7
MMDMGP1G	MMDM Rotary or Push Button Grid Plate for 40m switch 1 gang (configuration 1 dimmer switch)	50.6 x 13 x 96.7
MMDMGP2G	MMDM Rotary or Push Button Grid Plate for 40m switch 2 gang (configuration 2 dimmer switch)	50.6 x 13 x 96.7
MMDMGP3G	MMDM Rotary or Push Button Grid Plate for 40m switch 3 gang (configuration 3 dimmer switch)	50.6 x 13 x 96.7
MMDMGP4G	MMDM Rotary or Push Button Grid Plate for 40m switch 4 gang (configuration 4 dimmer switch)	50.6 x 13 x 96.7

Scan for more information

ECOSET ULTRA MINI SENSOR



RESIDENTIAL

- Low-profile design requiring a small cutout for a subtle, unobtrusive ceiling finish.
- Adjustable time delays and lux settings 10s - 15min and 3 - 2000lx.
- Supports a substantial maximum LED load of 400W, making it suitable for high-output lighting.

IP20 Ingress Protection Rating

5 Year Warranty

Ta40 Operational Temperature Rating

40mm Cutout

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
ECOSETUTMINIWH	Ecoset Ultra Mini 360˚ IP20 42mm cutout 3-wire PIR Recessed occupancy & daylight sensor	Ø50 x 61

Scan for more information

ECOSET MINI SENSOR



RESIDENTIAL

- Utilises passive infra-red (PIR) technology to detect heat and movement.
- Offers a 360 degree detection range and adjustable time delays and lux settings 10s - 15min and 3 - 2000lx.
- Supports LED loads up to 1000W and combines motion and daylight detection to reduce power consumption.

IP65 Ingress Protection Rating

5 Year Warranty

Ta50 Operational Temperature Rating

63-66mm Cutout

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
ECOSETMINIWPWH	Ecoset Mini Waetherproof IP65 3-Wire standalone PIR recessed occupancy & daylight sensor	Ø75.7 x 59.3

Scan for more information

ECOSET SENSOR



RESIDENTIAL

- 2-in-1 surface and recessed mounting PIR sensor with daylight switching.
- Smart timer with delay time options (2min / 5min / 15min / 30min).
- Daylight switching on/off (10lx / 30lx / 100lx).

IP20 Ingress Protection Rating

3 Year Warranty

50,000hr Lifetime (L70/B10)

Ta40 Operational Temperature Rating

54mm Cut-Out

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
ECOSETSENSPIR	Pierlite EcoSet standalone Occupancy Switch PIR Sensor	Ø94 x 37.8

Scan for more information

SMART SCAN SENSOR



COMMERCIAL

- Recessed Flush Mount 360˚ PIR Presence Sensor with two channel control module option.
- 360˚ detection zone up to 7m diameter at mounting height of 2.7m.
- Flame retardant polycarbonate body conveniently packed with remote driver.

IP20 Ingress Protection Rating

2 Year Warranty

50,000hr Lifetime

Ta -10 to 50 Operational Temperature Rating

54mm Cut-Out

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
SMARTSCAN2	360˚ PIR sensor with two channel 16A sensor control module	Ø60 x 130.5

Scan for more information

SMART SCAN SENSOR MKII



COMMERCIAL

- High sensitivity 360˚ detection array designed for both minor and major movement applications.
- Integrated light level detector to inhibit switch-on if there is sufficient natural light available.
- Hidden yet easily accessible sensor head adjustment controls for time-out and light level adjustment.

IP20 Ingress Protection Rating

2 Year Warranty

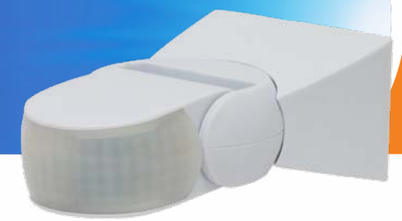
Ta50 Operational Temperature Rating

52mm Cut-Out

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
DGSMARTSCAN1HD	Smart Scan MK2 360˚ PIR HD sensor 1 channel 16A output	Ø54.8 x 60

Scan for more information

ECOSET 180 WEATHERPROOF SENSOR



RESIDENTIAL

- Advanced PIR technology provides 180˚ field of view with a maximum detection range of up to 12 metres.
- Adjustable time delays and lux settings 10s - 15min and 3 - 2000lx.
- Supports LED loads up to 300W and 2000W for halogen / incandescent lighting.

IP65 Ingress Protection Rating

5 Year Warranty

Ta40 Operational Temperature Rating

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
ECOSETWPWH180	Ecoset Weatherproof IP65 3-wire standalone PIR sensor surface mount 180˚	115 x 74 x 141

Scan for more information

Dimmers & Sensors

ECOSET WEATHERPROOF SENSOR



RESIDENTIAL

- Motion / light detection radius of 110˚ and 2m-18m with a manual override function.
- Adjustable sensor sensitivity, ambient light level and delay time options.
- Supplied with an infrared remote control for easy setting changes.

5 Year Warranty

50,000hr Lifetime (L70/B10)

Ta50 Operational Temperature Rating

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
ECOSETWPBK	EcoSet Weatherproof 3wire standalone PIR sensor surface mount C/W remote black	115 x 74 x 141
ECOSETWPWH	EcoSet Weatherproof 3wire standalone PIR sensor surface mount C/W remote white	115 x 74 x 141

Scan for more information

LEDSMART+™ OCCUPANCY SENSOR



RESIDENTIAL

- Ceiling mount included – no other mounting hardware needed.
- Sensors can be wired in parallel to extend coverage area.
- Timeout from 1 minute to 60 minutes.

IP20 Ingress Protection Rating

2 Year Warranty

Ta50 Operational Temperature Rating

PRODUCT CODE	DESCRIPTION	DIMENSIONS L x W x H (mm)
MMSE/PR	LEDsmart+ PIR occupancy sensor with MultiMate technology	100 x 60 x 60

Scan for more information

Dimmers & Sensors

LIGHTING TERMINOLOGY & PERFORMANCE EXPLAINED

Ingress protection ratings (IP) Defined by IEC 60598

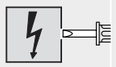
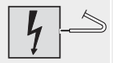
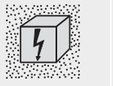
The resistive performance of fittings to solids and liquids is indicated by the IP (Ingress Protection) prefix followed by two numbers.

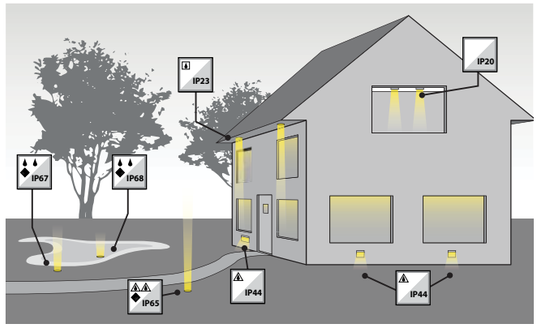
The first number indicates the measure of protection against the ingress of solids. For instance: **IP2X**

The second number indicates the measure of protection against the ingress of liquids. For instance: **IPX5**

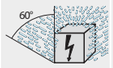
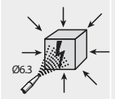
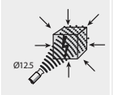
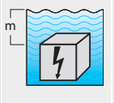
Ingress Protection (IP) Specification Guide

Protection against the ingress of solid objects IP.1X

IP No.	Example	Protection against contact and ingress of objects	Tests
IP1X		Protected against solid objects greater than 50mm ø	A large surface of the body, such as a hand (but no protection against deliberate access). Solid objects exceeding 50mm in diameter.
IP2X		Protected against solid objects greater than 12mm ø	Fingers or similar objects not exceeding 80 mm in length. Solid objects exceeding 12mm in diameter.
IP3X		Protected against solid objects greater than 2.5mm ø	Tools, wires, etc., of diameter or thickness greater than 2.5mm. Solid objects exceeding 2.5mm in diameter.
IP4X		Protected against solid objects greater than 1.0mm ø	Wires or strips of thickness greater than 1.0mm. Solid objects exceeding 1.0mm in diameter.
IP5X		Dust protected	Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the equipment.
IP6X		Dust tight	No ingress of dust.



Protection against the ingress of liquids IP.X1

IP No.	Example	Protection against contact and ingress of water	Tests
IPX1		Protected against dripping water	Dripping water (vertically falling drops) shall have no harmful effect
IPX2		Protected against dripping water when tilted up to 15°	Vertically dripping water shall have no harmful effect when the enclosure is tilted at any angle up to 15° from its normal position
IPX3		Protected against spraying water	Water falling as a spray at an angle up to 60° from the vertical shall have no harmful effect
IPX4		Protected against splashing water	Water splashed against the enclosure from any direction hall have no harmful effect
IPX5		Protected against water jets	Water projected by a nozzle against the enclosure from any direction shall have no harmful effect
IPX6		Protected against heavy seas	Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities
IPX7		Protected against the effects of immersion	Ingress of water in a harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time
IPX8		Protected against submersion	The equipment is suitable for continuous submersion in water under conditions which shall be specified by the manufacturer. NOTE Normally, this will mean that the equipment is hermetically sealed. However, with certain types of equipment, it can mean that water can enter but only in such a manner that it produces no harmful effects.

IK ratings Defined by UTE 20010

Degree of Impact Protection EN62262.

IK rating system is an International classification showing degrees of protection provided by luminaires against external mechanical impacts.

Number	Measure of protection – impact energy (joules)	Test
IK00	No protection to this standard -	
IK01	0.15	0.20kg impact
IK02	0.20	0.20kg impact
IK03	0.35	0.20kg impact
IK04	0.50	0.20kg impact
IK05	0.70	0.20kg impact
IK06	1.00	0.50kg impact from 200mm
IK07	2.00	0.50kg impact from 400mm
IK08	5.00	1.70kg impact from 295mm
IK09	10.00	5.00kg impact from 200mm
IK10	20.00	5.00kg impact from 400mm

When higher impact energy protection is required 50 joules is recommended.

Australian Standard on Recessed luminaires (ASNZS 60598.2.2-2016) otherwise known as IC rating has been in placed since 2018. The standard stipulates the classifications of various type of recessed fittings suitable for different installation types, with the purpose of reducing risk of ignition due to inadequate separate between fitting and combustible building elements such as thermal insulation and/or debris. Pierlite's range of recessed fitting are designed to be fit for the application and at the highest safety standard.



IC-4

- Suitable for residential or commercial use
- Fitting can be covered with building insulation
- Can be used where air transfer is not permitted or not desired between living space and roof space



IC

- Suitable for residential or commercial use
- Fitting can be loosely covered with building insulation
- Can be used where some air transfer is permitted or desired between living space and roof space



CA 90

- Suitable for residential or commercial use
- Fitting cannot be covered with building insulation
- Insulation can be placed against the sides of the fitting

DO NOT COVER

- Suitable for residential or commercial use in AU. Not for residential use in NZ
- Fitting cannot be covered with building insulation
- Insulation must be placed as per clearance distances according to manufacturer's installation guide

NON-IC

- Suitable for commercial use only
- Not suitable for use in residential dwellings or other places where insulation may be installed now or in the future
- Not tested for use with building insulation

LUX (lx)

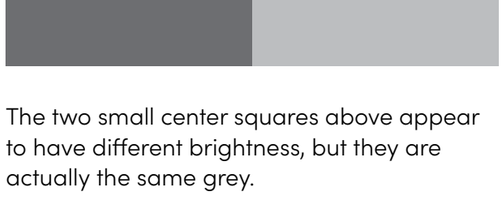
Lux (lx) is a unit of light measurement that takes surface area into account. It measures illuminance, defined as the amount of light that reaches a surface. One lux is equal to one lumen uniformly distributed over one square metre (1 lm/m^2).

The term lux is used for both singular and plural forms.



LUMENS (lm)

Lumens (lm) measure the total amount of visible light a source emits in all directions. Higher lumens mean brighter light, making it a practical measure of light output used in Australian lighting design.



230lm - 270lm | 440lm - 460lm | 800lm - 850lm

LUMINANCE & PERCEIVED BRIGHTNESS

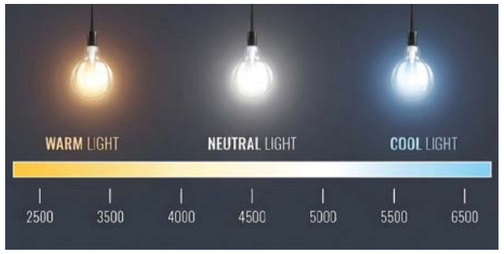
Luminance is the amount of light emitted or reflected from a surface toward the observer and is measured in candela per square metre (cd/m^2). Brightness, however, is subjective and depends on human perception. It is influenced by luminance, surrounding contrast, and the observer's visual condition, meaning the same surface can appear lighter or darker depending on its surroundings.



The two small center squares above appear to have different brightness, but they are actually the same grey.

COLOUR TEMPERATURE (K)

Colour temperature describes the appearance of white light and is measured in Kelvin (K). Lower values (2700–3000 K) appear warm, around 4000 K is neutral, and above 5000 K appears cool. It describes light colour, not brightness, and applies only to white light.



COLOUR RENDERING INDEX (CRI)

The Colour Rendering Index (CRI) measures how accurately a light source reveals colours compared to natural light, on a scale from 0 to 100. Higher CRI provides more natural colour appearance and is essential in environments such as retail, museums, and healthcare. In Australia, CRI assessment follows CIE 13.3 and IEC standards.



Reasonable CRI | Good CRI | Excellent CRI

AMBIENT TEMPERATURE (TA)

Ambient temperature (Ta) is the surrounding air temperature a luminaire is designed to operate in. For LED luminaires, Ta affects light output, thermal stress, and lifespan. Typical ratings range from –25 °C to +50 °C, and operating above the rated Ta can reduce performance and cause early failure.

OPERATING TEMPERATURE

Operating temperature is the ambient temperature range in which a luminaire can operate safely. Typical ranges are –20 °C to +50 °C for standard LED luminaires and –40 °C to +60 °C for industrial applications. Staying within these limits helps prevent overheating and ensures reliable performance and lifespan.

DIMMERS

Phase dimming is a common residential control method that adjusts brightness by "chopping" the AC voltage waveform supplied to a luminaire. The two primary types are leading edge (ideal for legacy incandescent bulbs) and trailing edge (the standard for modern LEDs due to smoother control and longer fitting life). Adaptive dimmers, like the Diginet dimmers, automatically detect the load type to ensure optimal performance.

MultiMate is a patented Australian technology enabling multi-way dimming and switching over standard two-wire circuits. While traditional setups require complex "strapper" wiring, MultiMate-enabled devices are wired in parallel. This allows users to control the same light circuit from multiple locations—such as both ends of a staircase—providing an efficient solution for both new builds and retrofits.

SENSORS

PIR Sensors offer superior accuracy for human detection by specifically reacting to moving heat signatures. Because they require a clear line-of-sight, they are mounted outside the luminaire, ensuring they only trigger when someone is actually in the room. This makes them the most reliable choice for avoiding "false triggers" from non-living movement like wind or machinery.

Microwave Sensors provide ultra-sensitive 360° detection by using radar-like signals that can "see" through plastic. This allows them to be hidden inside the luminaire, such as within an IP65 Batten, protecting the sensor while maintaining the fitting's waterproof seal. While more sensitive to movement through thin walls, they are the ideal solution for high-coverage or high-protection environments.

CYANOSIS OBSERVATION INDEX (COI)

The Cyanosis Observation Index (COI) measures how well lighting allows clinicians to see cyanosis, the bluish skin colour linked to low blood oxygen. Used in healthcare settings, it compares skin appearance under test light to daylight. Lower COI values indicate better performance, with a COI of ≤ 3.3 suitable for medical use.

LED LIFETIME RATINGS

LED Lifetime Ratings (L and B values) describe how light output and reliability change over time.

L values show how much light is maintained (e.g. L70 means 70% of original output).
B values show how many luminaires fall below that level (e.g. B10 means only 10% do).

For example, L70 B50 at 50,000 hours means half of the LEDs still produce at least 70% of their original brightness. These ratings are based on LM 80 testing and TM 21 projections used in Australia.

EMERGENCY

Maintained Emergency Lighting operates continuously as part of the standard lighting circuit but remain illuminated via battery backup during a power failure. This dual-functionality is ideal for high-traffic public areas like cinemas or shopping centres. Common examples include Exit Signs, Emergency High Bays, and Battens.

Non-Maintained Emergency Lighting stays switched off during normal operation and only activates instantly when the mains power fails. This energy-efficient approach is a cost-effective solution for areas like office stairwells and plant rooms where constant light isn't required. Typical examples include Spitfire units and specific non-maintained Battens.

Viewing Distance rating indicates the maximum distance from which an exit sign's legend remains clearly legible to guide occupants during an evacuation. Choosing the correct size—such as 24m, 32m, or 40m—is essential for compliance in large open spaces to ensure safety and visibility from all angles.

Emergency Classification is a system (e.g., D32 or D40) that defines the light distribution and intensity of a fitting to determine the maximum allowable spacing between units. A higher classification allows for greater distances between lights, reducing the total number of fittings required while still meeting strict Australian safety standards for floor illumination.

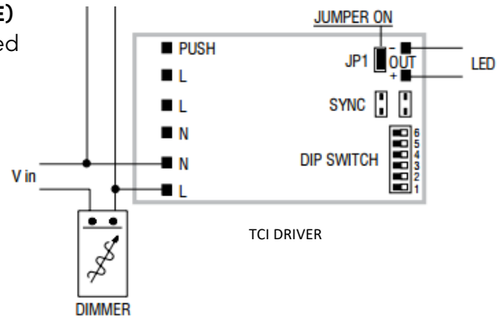
EFFECT OF TEMPERATURE ON LED PERFORMANCE

Temperature strongly affects LED performance and lifespan. High temperatures speed up light loss and material ageing, while low temperatures can improve efficiency but stress components like drivers and seals. Operating within rated temperature limits and using good thermal management helps maintain brightness and service life.

DIMMING OPTIONS

Understanding the different dimming types is critical to the success of any lighting project.

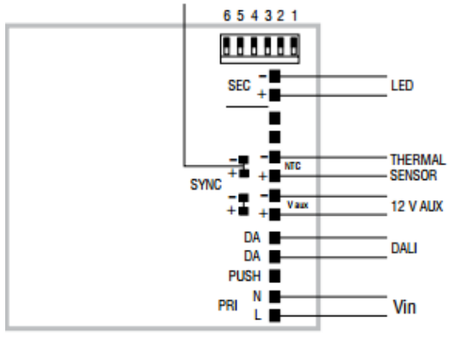
PHASE-CUT DIMMING (TRAILING EDGE/LEADING EDGE)
The most basic form of dimming, originally developed for incandescent loads. This is your typical domestic type dimmer. No additional wiring other than standard 2C+E. The dimmer simply "chops" or "cuts" the voltage signal going to the light fitting. Dimmer is simply added to the Active line.



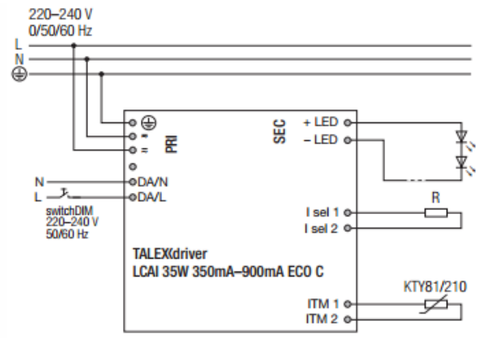
Additional 2-Core LV control cable is required.

- Dedicated 1-10V interface or potentiometer is required to control this driver
- Available in out-puts ranging from 350mA – 1400mA

DALI
Digital Addressable Lighting Interface – DALI – is a universal protocol (IEC 62386), designed to allow varying manufacturers products to all work on the same system. So it doesn't matter whose light fitting you are using, if it is DALI it will work on a DALI controlled system. Up to 64 light fittings can be controlled per DALI line, buildings can have multiple DALI lines. Wiring to a DALI downlight requires a standard 2C+E, plus two DALI control lines (not polarity sensitive).



TCI DRIVER

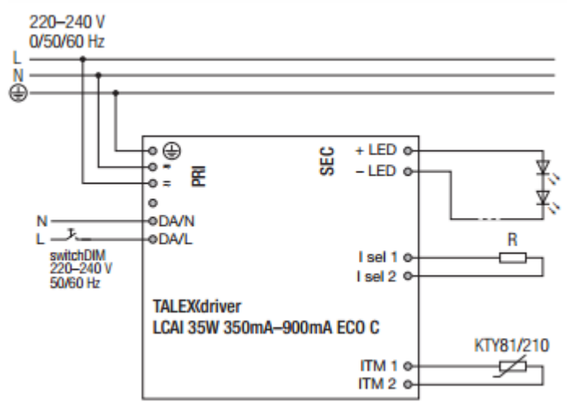


TRIDONIC DRIVER

- Additional 2-Core control cable is required.
- Dedicated DALI interface or Control System is required to control this System.
- Available in out-puts ranging from 350mA – 1400mA.

DSI

Digital Serial Interface – DSI – is a proprietary protocol of Tridonic. It was largely the precursor to the DALI system. Unlike DALI each fitting is not addressable, so each circuit must be controlled as a whole in the same manner. Again, each downlight requires standard 2C+E plus two DSI control lines (not polarity sensitive).

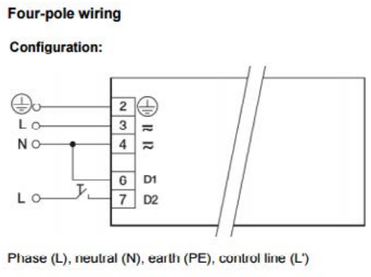


TRIDONIC DRIVER

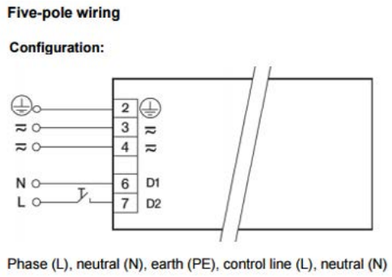
- Additional 2-Core control cable is required.
- Dedicated Control System is required to control the system
- Available in out-puts ranging from 350mA – 1400mA

SWITCH DIM

Switch DIM is a proprietary term of Tridonic's, and essentially allows simple dimming through push button control, no low voltage cables or no digital controllers are required - Each downlight requires a standard 2C+E plus a 1 or 2 Core Switch wire, a "normally open" type push button switch is required to operate a Switch DIM system. Don't mix different Push DIM/Switch DIM drivers on the same circuit.



TRIDONIC DRIVER



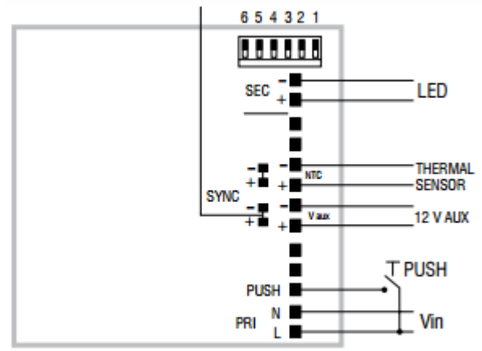
TRIDONIC DRIVER

- Additional 1-2 Core Switch wire is required.
- Dimming occurs through the use of a "normally open" type push button switch
- Available in out-puts ranging from 350mA – 1400mA

Scan for more Dimmer resources

PUSH DIM

Is one of the simplest types of dimming available on the market, and is suitable for use in small to medium sized installations. No low voltage cables or no digital controllers are required - each downlight requires a standard 2C+E plus a 1 or 2 Core Switch wire, a "normally open" type push button switch is required to operate a Push DIM system. Don't mix different Push DIM drivers on the same circuit.



TCI DRIVER

- Additional 1-2 Core Switch wire is required.
- Dimming occurs through the use of a "normally open"type push button switch
- Available in out-puts ranging from 350mA – 1400mA

WHAT'S THE DIFFERENCE BETWEEN DELIVERED AND CHIP LUMEN?

When manufacturers quote lumen output for LED fixtures, it is not always easy comparing one against the other. This is because many manufacturers still quote the initial chip or source lumen, whereas other quote the actual delivered lumen.

SO WHAT IS THE DIFFERENCE?

Well basically the initial chip lumen are what comes out of the LED in a raw test state, so not when built into a luminaire. They are a little bit like what lamp lumen are in conventional lamps, such as fluorescent, i.e. what the lamp outputs in a raw state. There is one major difference here though, conventional lamps typically have two major losses applied to them when installed in a light fitting – electrical (i.e. ballast losses) and light output, our luminaire losses (i.e. the light that gets trapped in the luminaire and doesn't make it out). LED's have one more major cause of losses – heat. The same LED chip placed on two difference heat sinks will result in two different sets of performance due to better or worse heat dissipation.

Therefore, a better engineered light fitting will typically have much improved performance, even if they both use the exact same LED chip/engine. Delivered lumen are the amount of lumen that make it out of the luminaire after all losses – heat, electrical and luminaire. They should be lumen that show in any luminaire photometric file, and are what we always strive to provide on our data sheets at Pierlite.

One general rule to follow is if a manufacturer doesn't say if they are delivered lumen, then they probably aren't. So when next comparing lumen to lumens, try and ensure you are comparing apples with apples (or delivered with delivered)!

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