FAST MOVERS

LIGHTING FOR THE TRADE

PIERLITE®

a Signify brand

2025
EDITION 6

Signify and Mercedes-AMG PETRONAS F1 are driven by a shared passion for technology and the desire to push the boundaries of what is possible.

Our innovations in lighting support the team's ambition to become one of the world's most sustainable in sport, serve the well-being and performance of drivers and team members, and deliver powerful experiences for fans, trackside and at home.

ADVANCING SUSTAINABILITY

As the world leader in lighting, we have led the transformation and rapid decarbonisation of our industry. With our partnership comes a commitment to support the Mercedes-AMG PETRONAS F1 Team's own ambitious target to reach net-zero carbon emissions, as a signatory of The Climate Pledge.

We deliver world-class energy efficient, connected, and circular lighting solutions that save energy, minimise waste, and secure a sustainable future for high-performance sport.

We support the team in its environmental responsibility.

ENHANCING PERFORMANCE

To win in F1, every member of the team must perform to their full potential. Our lighting innovations will create the optimal conditions for the drivers and team members, helping them see, feel, and function at their best.

Our advanced lighting technology brings the power of daylight indoors, supporting the body's natural rhythm, improving well-being, and elevating performance, day and night.

We will improve the team's wellbeing and performance on and off the track.

ELEVATING EXPERIENCES

The fastest show on earth should be perfectly lit. We deliver inspiring light shows and night races as clear as day. We illuminate every turn when you are trackside and transport you to the heart of the action with immersive TV and gaming surround lighting in the comfort of your home.

We deliver unforgettable fan experiences, trackside and at home.

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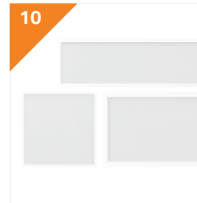
Oysters

Linear

Battens

Bunkers & Bulkheads

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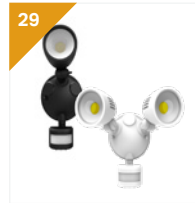**26**
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Starburst Crystal Eco Gen 2

Pierlite multi-function fixed or gimble downlight, a low maintenance solution for general accent lighting.

- 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

Applications

Commercial, residential, hospitality

COMPATIBLE WITH
MEDM & LEDSMART+ DIMMERS

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

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	DIMMING
CRYSECO1G2	11.5W	780lm	70lm/W	3000K	Phase
CRYSECO5G2	11.5W	880lm	80lm/W	4000K	Phase

CUT OUT Ø90
Ø43
Ø34.5
78.9
85.2
Ø110
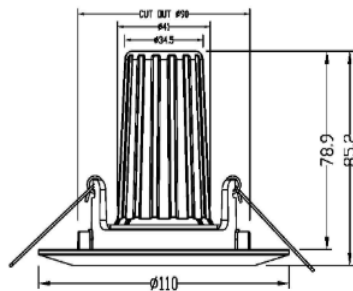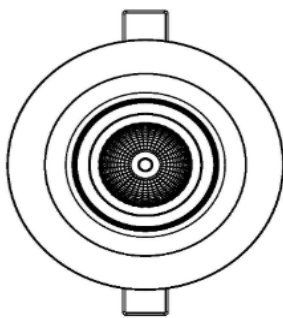
CRYSECO1G2
CRYSECO5G2

Litelux Colour Select Downlight Gen 4

COLOURSELECT
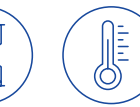
The Pierlite Litelux Colour Select Downlight Gen4, now with higher lumen output. Retaining all the key features, bringing freedom of choice to the installer to select required colour temperature for different areas, all from the same luminaire.

- One-box solution with 3-in-1 colour temperature

- Flexibility to choose driver - Remote driver option suitable for low ceilings or in-built driver for an easy and quick installation

- IC-4 compliant making it safe against building thermal materials and insulation

COMPATIBLE WITH MEDM & LEDSMART+ DIMMERS

Applications

Residential, commercial, hospitality

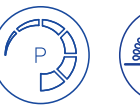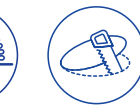| **IP65** Ingress Protection Rating (Remote driver) | **IP44** Ingress Protection Rating (In-built driver) | **3 Year** Warranty | **50,000hr** Lifetime (L70/B10) | **Ta40** Operational Temperature Rating | **Phase** Dimmable | **IC-4** Rating | **90mm** Cut-Out | **CRI 80** Colour Rendering Index |

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	DIMMING	ENERGY SCHEME
DLP53/4/65FWG4	7W	870lm	111lm/W	3000K / 4000K / 6500K	Phase	• IPART • VEU • REES
DLP63/4/65FWG4	7W	850lm	120lm/W	3000K / 4000K / 6500K	Phase	• IPART • VEU • REES

*Based on 4000K
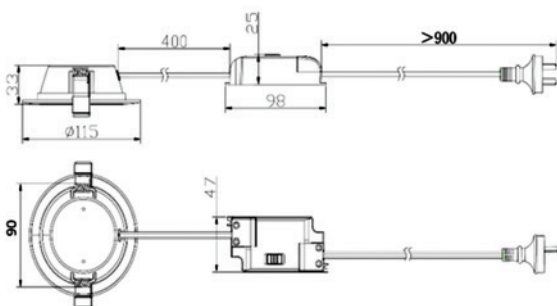
DLP53/4/65FWG4
(remote driver)
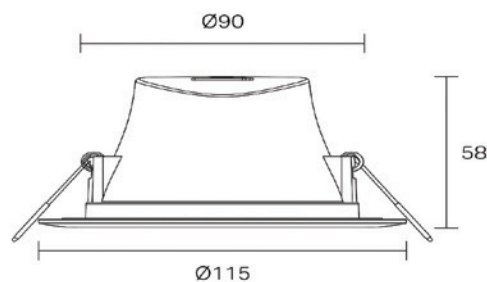
DLP63/4/65FWG4
(in-built driver)

Conix Downlight

COLOURSELECT

Featuring a low glare design for visual comfort, as well as a simple and stylish form. The Colour Select option provides flexibility to create the right ambience for any environment.

- Low glare recessed diffused 60˚ lens
- IP44 ingress protection (front only)
- Colour Select - 3000K, 4000K and 6500K

Applications

Residential, commercial

COMPATIBLE WITH
MEDM & LEDSMART+ DIMMERS

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

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	DIMMING	ENERGY SCHEME
CNX63/4/65B	6.5W	650lm	100lm/W	3000K / 4000K / 6500K	Phase	● IPART ● REES
CNX63/4/65W	6.5W	770lm	115lm/W	3000K / 4000K / 6500K	Phase	● IPART ● REES

*Based on 4000K

Ø90

85

Ø110
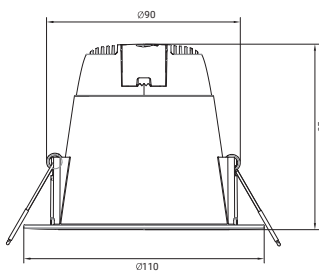
CNX63/4/65B
CNX63/4/65W

Pierlux Plus Colour Select Downlight

COLOURSELECT

Pierlux Plus Colour Select Downlight is a high performance, stylish, simple and efficient downlight. Providing more flexibility and suits most applications.

- 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

Applications

Commercial, residential, retail

Downlights

COMPATIBLE WITH
MEDM & LEDSMART+ DIMMERS
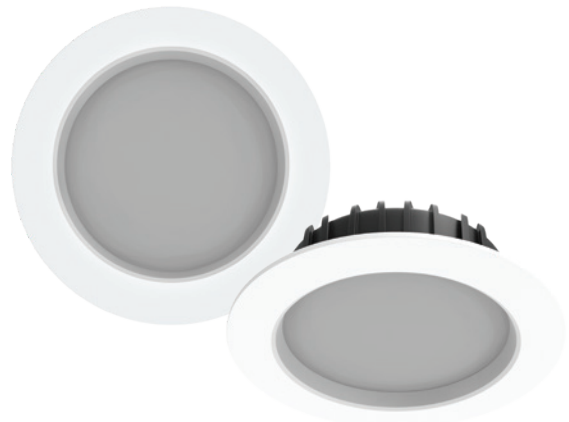
| **IP44** Ingress Protection Rating | **3 Year** Warranty | **54,000hr** Lifetime (L80B50) | **Ta40** Operational Temperature Rating | **Phase** Dimmable | **100mm** Cut-Out PLUX43/4/6K | **150mm** Cut-Out PLUX63/4/6KP | **200mm** Cut-Out PLUX83/4/6K | **CRI 80** Colour Rendering Index |

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	DIMMING	ENERGY SCHEME
PLUX43/4/6K	14W	1,200lm	86lm/W	3000K / 4000K / 6500K	Phase	● IPART ● VEU ● REES
PLUX63/4/6KP	25W	2,600lm	104lm/W	3000K / 4000K / 6500K	Phase	● IPART ● VEU ● REES
PLUX83/4/6K	35W	3,700lm	106lm/W	3000K / 4000K / 6500K	Phase	● IPART ● VEU ● REES

*Based on 3000K
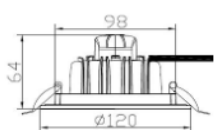
PLUX43/4/6K   PLUX63/4/6KP   PLUX83/4/6K

PIERLITE®
a Signify brand
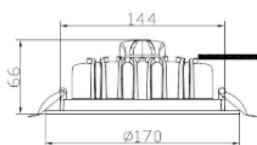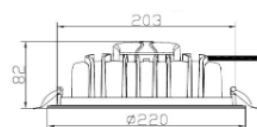
Eco Panel Gen3

COLOUR SELECT

LUMEN SELECT™

The Eco Panel Gen3 is a lightweight, energy efficient diffused panel. This latest upgrade comes with long life LEDs on a micro prismatic diffuser for UGR19 low glare applications.

- 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
- Accessories available

Applications

Commercial, general lighting

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

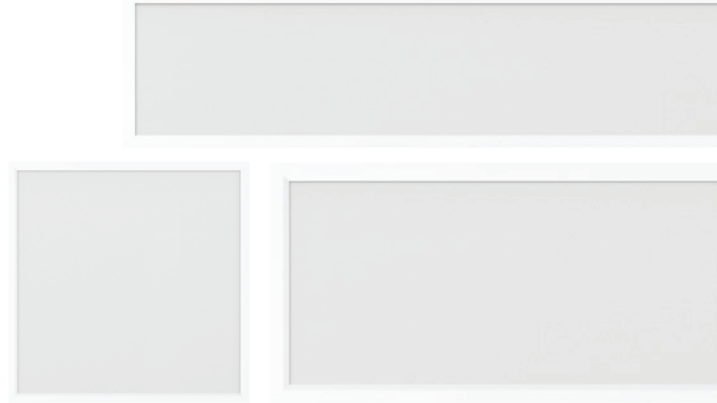| CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/ WATT	CCT	DIMENSIONS (L X W X H)	ENERGY SCHEME
ECOPL063CSEG3	13W	1,347lm	100lm/W	4000K / 5000K / 6500K	593.50mm x 293.50mm x 32mm	● IPART ● VEU ● REES
ECOPL066CSLSEG3	25W / 34W	2,873lm	110lm/W	4000K / 5000K / 6500K	593.50mm x 593.50mm x 32mm	● IPART ● VEU ● REES
ECOPL123CSLSEG3	25W / 34W	2,887lm	110lm/W	4000K / 5000K / 6500K	1193.50mm x 293.50mm x 32mm	● IPART ● VEU ● REES
ECOPL126CSLSEG3	36W / 46W	4,262lm	110lm/W	4000K / 5000K / 6500K	1193.50mm x 593.50mm x 37mm	● IPART ● VEU ● REES

*Based on 4000K

ACCESSORY CODE	DESCRIPTION
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
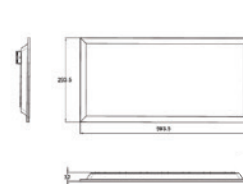
ECOPL063CSEG3
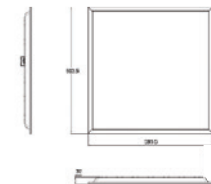
ECOPL066CSLSEG3

ECOPL126CSLSEG3

ECOPL123CSLSEG3

Pierlux Eco Highbay Gen 7

LUMEN SELECT™

The new Pierlux Eco Highbay Gen7 is the ideal light fixture for industrial and commercial applications. With an efficacy of up to 180lm/W, this fixture is the ultimate energy efficient product to add to an installation.

- Superior housing made of LM6 grade aluminium diecast, resistant to corrosion ideal for harsh conditions
- Built with high grade polycarbonate lens to prevent tampering and glass breakage
- Wide range of accessories available

Applications

Industrial

IP65	**5 Year**	**60,000hr**	**-20 - Ta50**	**IK08**	**CRI 80**
Ingress Protection Rating	Warranty	Lifetime (L70/B10)	Operational Temperature Rating	Impact Rating	Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	ENERGY SCHEME
ECOHB120LSE5G7	60W / 80W / 100W / 120W	10,800lm / 14,100lm / 17,200lm / 20,000lm	160lm/W	5,000K	• IPART • VEU • REES
ECOHB200LSE5G7	100W / 120W / 170W / 200W	18,400lm / 21,700lm / 29,600lm / 34,100lm	160lm/W	5,000K	• IPART • VEU • REES

ACCESSORY CODE	DESCRIPTION
HBDUSTCOV	Dust cover for 120W (Max Wattage 100W @ 40°C) and 200W (Max wattage 120W @ 40°C)
HBBRKT	Surface Mount Bracket Suits 120W & 200W ECO Highbay
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
HBWG	Wire guard for ECO & DALI Highbay both 120W & 200W
HBGRIP2MKIT	Highbay Gripple Suspension KIT - Purlin Bracket 2m Hanger c/w 214 Gauge & Screws
HBRODBRKT	Rod Surface Mount Bracket suit 120W & 200W ECO Highbay
PRC11	Remote control for programming ECO highbay on/off control sensor ECOHBSFHF
ECOHBSFHF	Motion Sensor for Pierlux Eco Highbay
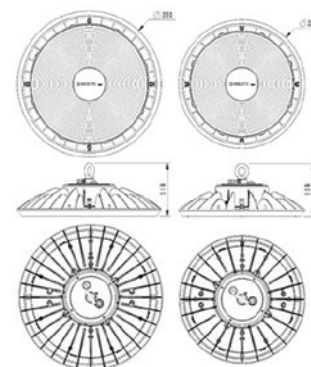
ECOHB120LSE5G7
ECOHB200LSE5G7

Pierlux Motion Sensor

Motion sensitive on/off switch, which turns on the light upon detection of motion, and turns off after a pre-selected hold-time when there is no movement.

- 'Plug and go' for fast installation, no additional terminations required
- Simple commissioning via rotary switch or an optional remote control
- Intelligent Photocell with daylight detection prior to motion detection

Applications

Industrial, floodlighting, installation up to 12m height

IP65 Ingress Protection Rating	5 Year Warranty	Non-Dimmable	Detection Zone (ø1 0m x H 12m)	Max Load 800W	CRI 80 Colour Rendering Index

CODE	DESCRIPTION	COLOUR
ECOHBSFHF	Motion sensor and light level sensor providing on/off control	Black
PRCII	Remote control for sensor	-

ROTARY SWITCH POSITION	DETECTION RANGE	HOLD TIME	DAYLIGHT SENSOR
0	100%	5sec	Disabled
1	100%	1min	2 lux
2	100%	5min	10 lux
3	100%	5min	30 lux
4	100%	5min	10 lux
5	100%	5min	30 lux
6	100%	5min	Disabled
7	100%	10min	2 lux
8	100%	10min	10 lux
9	100%	10min	30 lux
A	100%	10min	Disabled
B	75%	10min	30 lux
C	50%	10min	10 lux
D	100%	30min	50 lux
E	100%	30min	Disabled
F	100%	5sec	2 lux
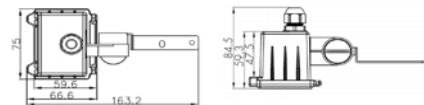
ECOHBSFHF
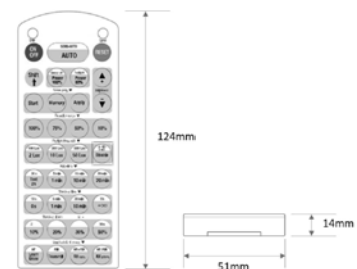
The target lux level can be set as 2Lux / 10Lux / 50Lux / 100Lux / 300Lux / 500Lux / Disable via remote. Without remote, lux level settings cannot be set above 50Lux.

Orion Oyster Gen3

COLOUR SELECT

LUMEN SELECT™

Orion Oyster Gen 3 is an energy efficient circular LED with a frosted diffuser that produces a clean white light.

- Flexibility through Colour Select (3000K / 4000K / 6000K) and Lumen Select (350mm only)
- Removeable trim for a different look
- Available in a motion and daylight sensor option

Applications

Commercial, residential, hospitality

Without Trim

COMPATIBLE WITH MEDM & LEDSMART+ DIMMERS

IP54 Ingress Protection Rating	**3 Year** Warranty	**54,000hr** Lifetime (L70/B50)	**Ta40** Operational Temperature Rating	**Phase** Dimmable	**CRI 80** Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	DIMMING	ENERGY SCHEME
ORN16W3/4/6KDG3	16W	1400lm	95lm/W	4000K / 5000K / 6000K	Phase	● IPART ● REES
ORN23W3/4/6KDG3	16W / 23W	2000lm	95lm/W	4000K / 5000K / 6000K	Phase	● IPART ● REES
ORN23W3/4/6KSG3 (Sensor)	16W / 23W	1900lm	95lm/W	4000K / 5000K / 6000K	-	● IPART ● REES

*Based on 4000K

Ø 300.00 / 80.00

ORN16W3/4/6KDG3

Ø 350.00 / 60.00
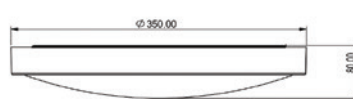
ORN23W3/4/6KDG3
ORN23W3/4/6KSG3

Slimline Oyster Gen3

COLOUR SELECT

LUMEN SELECT™

An energy efficient circular luminaire with a frosted diffuser that produces glare free comfort.

- Modern and sleek low profile design with a classic trim

- Available in 30cm & 40cm sizes, with an integral phase-dimmable driver

- 25mm cable entry with large PA12 terminals and a new push-to-lock feature for easy installation

Applications

Commercial, retail, residential

COMPATIBLE WITH
MEDM & LEDSMART+ DIMMERS

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

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	ENERGY SCHEME
SL17W3/4/57KDG3	18W	1812lm	100lm/W	3000K / 4000K / 5700K	• IPART • VEU
SL24W3/4/57KDG3	17W / 24W	2501lm	100lm/W	3000K / 4000K / 5700K	• IPART • VEU

*Based on 4000K

ø300 — 36 (mm)

SL17W3/4/57DG3

ø400 — 36 (mm)
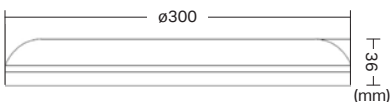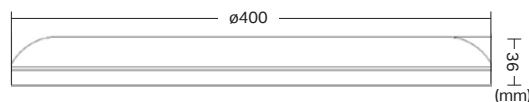
SL24W3/4/57KDG3

CrossLine Light Strip

COLOUR SELECT

This comprehensive new family of flexible strip lights are designed to follow straight lines and corners to create beautiful ambiances that highlight architectural details.

- 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

Applications

Commercial, residential

IP20
Ingress Protection Rating

5 Year
Warranty

50,000hr
Lifetime (L70/B50)

Ta40
Operational Temperature Rating

4SDCM
MacAdam Step Ellipse

CRI 90
Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/ WATT	CCT	DIMENSIONS (L X W X H)
CLC05L06930I2E	35W	660lm	100lm/W	3000K	1.25mm x 10mm x 5000mm
CLC05L06940I2E	35W	660lm	100lm/W	4000K	1.25mm x 10mm x 5000mm
CLL02L069CSI2E	12W	650lm	100lm/W	3000K / 4000K / 6500K	1.25mm x 10mm x 5000mm
CLL05L069CSI2E	30W	650lm	100lm/W	3000K / 4000K / 6500K	1.25mm x 10mm x 2000mm
CLL05L06930I2E	30W	650lm	100lm/W	3000K	1.25mm x 10mm x 5000mm
CLL05L06940I2E	30W	650lm	100lm/W	4000K	1.25mm x 10mm x 5000mm
CLC05L069CSI2E	35W	660lm	100lm/W	3000K / 4000K / 6500K	1.25mm x 10mm x 5000mm

*Based on 4000K

OBL Mini Batten

COLOUR SELECT

LUMEN SELECT™

The OBL600 is a mini surface mount LED batten with frosted diffuser that produce a white clean light. It has a 3-way switch to adjust the light levels, ideal for above bed, beside mirrors, inside wardrobes or for any small area lighting.

- Frosted opal diffuser for a comfortable and clean ambient light
- 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

Applications

Commercial, residential, hospitality

| **IP44** | **3 Year** | **54,000hr** | **Ta45** | **CRI 80** |
| Ingress Protection Rating | Warranty | Lifetime (L70/B50) | Operational Temperature Rating | Colour Rendering Index |

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT
OBL600	10W / 15W	1680lm	> 112lm/W	3000K / 4000K
OBL900	15W / 20W	2100lm	> 105lm/W	3000K / 4000K

*Based on 4000K

OBL600

60
64.2

70.7

595

OBL900

60
64.2

70.7

895
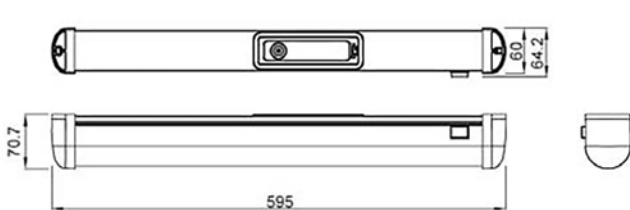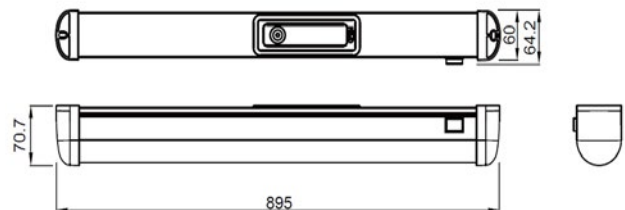
Eco Batten Gen 4

COLOUR SELECT

LUMEN SELECT ™

The Pierlite Eco Batten Gen4 is a one box solution with Colour and Lumen select feature. The quick release clips, removable connector and sealed LED module makes it easy to install and maintain.

- Increased visual comfort with less than 1% flicker
- Easy to install with larger 4mm terminal block and rear cable entry
- Opalised diffuser for even light distribution

Applications

Commercial, residential, hospitality

IP20
Ingress Protection Rating

5 Year
Warranty

54,000hr
Lifetime (L70/B50)

Ta40
Operational Temperature Rating

Non- Dimmable

CRI 80
Colour Rendering Index

| CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	ENERGY SCHEME
ECOBAT202ECSLSG4	11W / 14W / 16W / 18W	2000lm	110lm/W	4000K / 5000K / 6500K	● IPART ● VEU ● REES
ECOBAT202ECSLSSG4 (Sensor)	11W / 14W / 16W / 18W	2000lm	110lm/W	4000K / 5000K / 6500K	● IPART ● VEU ● REES
ECOBAT404ECSLSG4	20W / 25W / 30W / 36W	4000lm	110lm/W	4000K / 5000K / 6500K	● IPART ● VEU ● REES
ECOBAT404ECSLSSG4 (Sensor)	20W / 25W / 30W / 36W	4000lm	100lm/W	4000K / 5000K / 6500K	● IPART ● VEU ● REES
ECOBAT505ECSLSG4	30W / 35W / 45W / 50W	6900lm	110lm/W	4000K / 5000K / 6500K	● IPART ● VEU ● REES
ECOBAT505ECSLSSG4 (Sensor)	30W / 35W / 45W / 50W	6900lm	110lm/W	4000K / 5000K / 6500K	● IPART ● VEU ● REES

*Based on 4000K

603
74
74
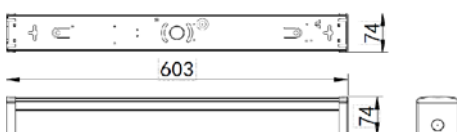
ECOBAT202ECSLSG4
ECOBAT202ECSLSSG4

1164
74
74
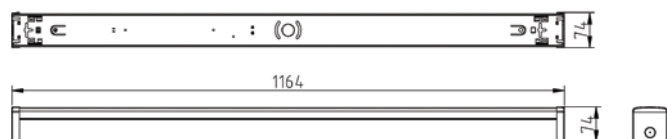
ECOBAT404ECSLSG4
ECOBAT404ECSLSSG4

1500
74
74
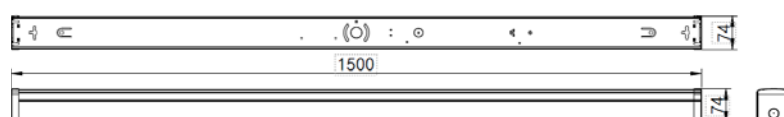
ECOBAT505ECSLSG4
ECOBAT505ECSLSSG4

Nipper Batten Gen2

COLOUR SELECT

LUMEN SELECT ™

The Nipper is an efficient wide base LED linear batten designed in a sealed removable LED module and a white metal back plate with large terminal blocks for ease of installation.

- Designed with a 130mm wide base to easily replace old and energy consuming twin fluorescent battens

- Flicker free LED driver built-in for increased visual acuity and comfort

- Frosted diffuser made from impact resistant material that produces cleanlight, ideal for surface mount or suspended installations

Applications

Commercial

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

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT
NIPBAT202ECSLSG2	11W / 14W / 16W/ 18W	1900lm	105lm/W	4000K / 5000K / 6500K
NIPBAT404ECSLSG2	20W / 25W / 30W / 36W	4000lm	110lm/W	4000K / 5000K / 6500K
NIPBAT505ECSLSG2	35W / 45W / 50W	6300lm	125lm/W	4000K / 5000K / 6500K

*Based on 4000K

630

74

130
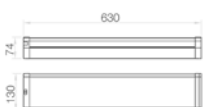
2FT

NIPBAT202ECSLSG2

1230

74

130
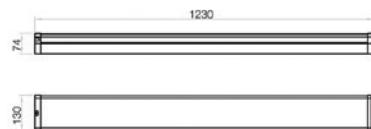
4FT

NIPBAT404ECSLSG2

1500

74

130

5FT

NIPBAT505ECSLSG2

BWP Eco Weatherproof Batten Gen 2

COLOURSELECT

LUMENSELECT™

The high output LED weatherproof batten has longer life and the ability to select your preferred lumen output/wattage within one light fitting.

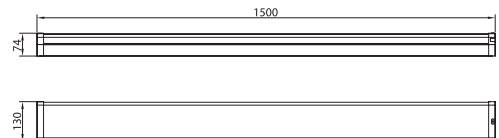- Colour Select, Lumen Select and Tri-Level Sensor options available
- Wide polycarbonate body to cover old footprint
- Easy installation with large terminal block, stainless steel mounting clips, 20mm cable gland and one optional knock-out at the opposite end

Applications

Commercial, industrial

| **IP65** Ingress Protection Rating | **3 Year** Warranty | **54,000hr** Lifetime (L70/B50) | **50,000hr** Lifetime (L70/B50) for BWPECO 404ECSLSS | **Ta40** Operational Temperature Rating | **Non-** Dimmable | **IK08** Impact Rating | **CRI 80** Colour Rendering Index |

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	ENERGY SCHEME
BWPECO202ECS	18W	2500lm	138lm/W	3000K / 4000K / 6000K	● IPART ● VEU ● REES
BWPECO404ECSLS	20W / 27W / 33W / 40W	5200lm	117lm/W	3000K / 4000K / 6000K	● IPART ● VEU ● REES
BWPECO505ECS	52W	5200lm	119lm/W	3000K / 4000K / 6000K	● IPART ● VEU ● REES

*Based on 4000K

655 · 92 · 130
BWPECO202ECS

1265 · 92 · 130
BWPECO404ECSLS
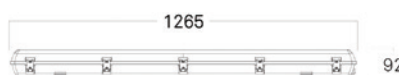
1565 · 92 · 130
BWPECO505ECS

BWP ECO Sensor Weatherproof Batten Gen2

COLOUR SELECT

LUMEN SELECT™

A versatile lighting solution with motion detection and tri-level sensing ideal for carparks and warehouse applications.

- Tri-level sensing offering 100% brightness / dimmed / off settings with adjustable hold times for motion and standby periods
- Selectable daylight thresholds for adjusting light output based on natural light
- Wide polycarbonate body with lockable stainless steel clips

Applications

Industrial, commercial

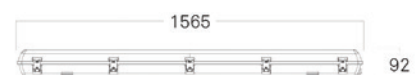| **IP65** Ingress Protection Rating	**5 Year** Warranty	**54,000hr** Lifetime (L70/B50)	**Ta40** Operational Temperature Rating	**IK10** Impact Rating	**CRI 80** Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT
BWPECO202ECSS2	14W / 16W / 19W	1946lm	130lm/W	3000K / 4000K / 6500K
BWPECO404ECSS2	22W / 27W / 33W /39W	4618lm	130lm/W	3000K / 4000K / 6500K
BWPECO505ECSS2	30W / 38W / 46W / 55W	6150lm	130lm/W	3000K / 4000K / 6500K

*Based on 4000K

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

655 · 92 · 130
BWPECO202ECSS2

1265 · 92 · 130
BWPECO404ECSS2

1565 · 92 · 130
BWPECO505ECSS2

Vandaled Weatherproof Batten

COLOURSELECT

The Vandaled Weatherproof Batten is robust and built for tough Australian conditions.

- Five optional cable entry points for versatility for easy installation
- Stainless steel allen key screws are retained in the durable silicone seal
- RAL9007 grey body with an opalised diffuser

Applications

Walkways, schools, mining camps, public amenities

IP65	**5 Year**	**60,000hr**	**Ta50**	**IK10**	**CRI 80**
Ingress Protection Rating	Warranty	Lifetime (L70/B50)	Operational Temperature Rating	Impact Rating	Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	ENERGY SCHEME
VLED20ECS	20W	2276lm / 2407lm	120lm/W	3000K / 4000K	● IPART ● VEU ● REES
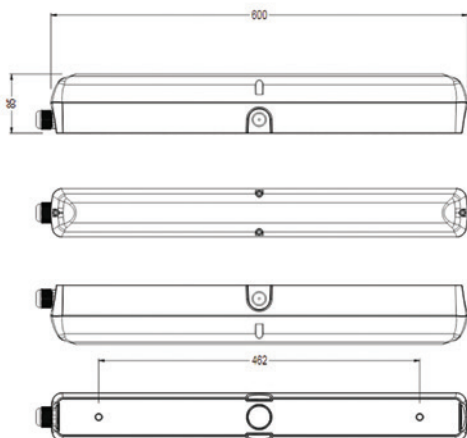
VLED20ECS

Carlton Colour Select Bunker

COLOURSELECT

Aesthetically pleasing and functional, the new generation of Carlton bunker meets all the required of a well-designed outdoor fitting.

- 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)

Applications

Residential, domestic, hospitality

IP54
Ingress Protection Rating

2 Year
Warranty

30,000hr
Lifetime (L70/B50)

Ta40
Operational Temperature Rating

Non-Dimmable

IK04
Impact Rating

CRI 80
Colour Rendering Index

| CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/ WATT	CCT	DIMENSIONS	HOUSING COLOUR
CB2746466	9W	698lm	72lm/W	3000K / 4000K / 6000K	180mm x 95mm	Black
CB2746870	14.5W	1284lm	76lm/W	3000K / 4000K / 6000K	240mm x 125mm	Black
CB2746567	9W	698lm	72lm/W	3000K / 4000K / 6000K	180mm x 95mm	White
CB2746971	14.5W	1284lm	76lm/W	3000K / 4000K / 6000K	240mm x 125mm	White
CB2747274	9W	606lm	72lm/W	3000K / 4000K / 6000K	210mm x 110mm x 90mm	Black
CB2747678	14.5W	1109lm	76lm/W	3000K / 4000K / 6000K	285mm x 165mm x 130mm	Black
CB2747375	9W	606lm	72lm/W	3000K / 4000K / 6000K	210mm x 110mm x 90mm	White
CB2747779	14.5W	1109lm	76lm/W	3000K / 4000K / 6000K	285mm x 165mm x 130mm	White

*Based on 4000K
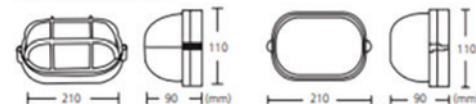
Small Round LED Bunkers

Large Round LED Bunkers
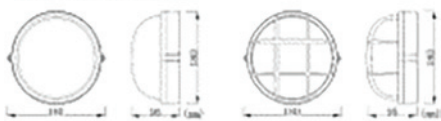
Large Oval LED Bunkers
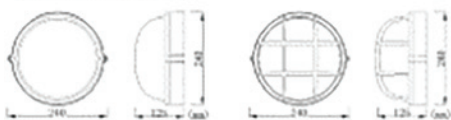
Small Oval LED Bunkers

Sirroco II Bulkhead

This class II decorative outdoor bulkhead is built with superior material to withstand outdoor conditions.

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

Applications

Commercial, residential, hospitality

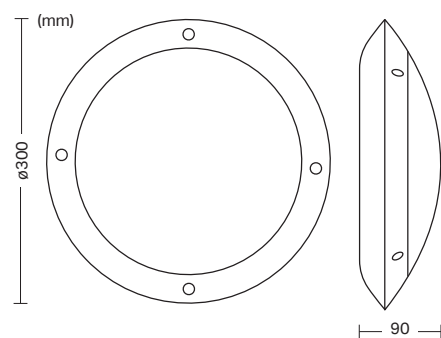| IP66	3 Year	30,000hr	Ta40	Non-	IK10	CRI 80
Ingress Protection Rating	Warranty	Lifetime (L70/B50)	Operational Temperature Rating	Dimmable	Impact Rating	Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	DIMENSIONS	HOUSING COLOUR
CBH49287WH	12W	1000lm	80lm/W	4000K	300mm x 90mm	White
CBH49285BK	12W	1000lm	80lm/W	4000K	300mm x 90mm	Black

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.

(mm)

ø300

90

CBH49285BK
CBH49287WH

Julux Bulkhead Gen3

COLOUR SELECT

The Julux is a wall/ceiling mounted bulkhead with a polycarbonate opalised diffuser and gloss black housing providing symmetrical light distribution.

- Weather resistant and ideal for harsh outdoor conditions
- Stylish high gloss black polycarbonate base with 6 cable entries
- Integral constant current driver

Applications

Commercial, residential

IP65	3 Year	30,000hr	Ta40	Non-	IK08	CRI 80
Ingress Protection Rating	Warranty	Lifetime (L70/B50)	Operational Temperature Rating	Dimmable	Impact Rating	Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT
JUL15ECS	15W	1574lm	108lm/W	3000K / 4000K

*Based on 4000K

125mm

245mm

124mm
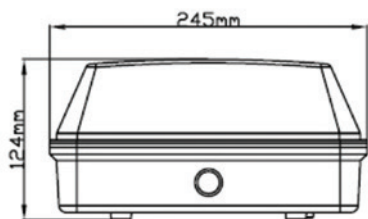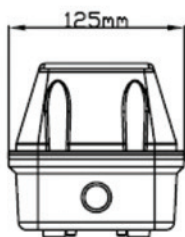
JUL15ECS

Tablet Wall Light

The Tablet Wall light is a sturdy, robust architectural wall light made of die-cast aluminum for outdoor wall mount lighting applications. It has a frosted glass diffuser and is perfect for residential, domestic, and hospitality exterior applications.

- Sturdy and robust design - made with die-cast aluminium, frosted glass diffuser and stainless steel screws
- Easy to install - rear cable entry with large terminal blocks
- Maintenance free with a long lifetime of 50,000hrs (L70 / B50)

Applications

Residential, commercial, hospitality

IP65 Ingress Protection Rating	**5 Year** Warranty	**50,000hr** Lifetime (L70/B50)	**Ta40** Operational Temperature Rating	**IK06** Impact Rating	**CRI 80** Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT
TABLDI830BG3	4W	370lm	92lm/W	3000K
TABL830BG3	7W	737lm	101lm/W	3000K
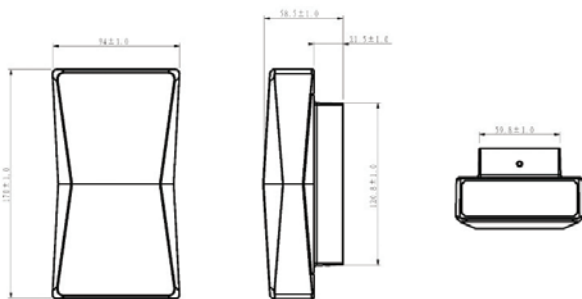
TABLDI830BG3
TABL830BG3

Maxi Master Gen II Floodlight

Pierlite Maxi Master Floodlight GEN II range is designed for high-performance output and energy savings.

- Energy efficient LED floodlight, lower running costs
- Lightweight for easy installation
- Optional wire guard accessories available

Applications

lndustrial, carparks

IP65
Ingress Protection Rating

5 Year
Warranty

50,000hr
Lifetime (L70/B50)

Ta40
Operational Temperature Rating

Non-
Dimmable

IK08
Impact Rating

CRI 80
Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	ENERGY SCHEME
MML50S	50W	5250lm	100lm/W	4000k	● IPART ● VEU ● REES
MML100S	100W	12000lm	120lm/W	4000K	● IPART ● VEU ● REES
MML100A	100W	12000lm	110lm/W	4000K	● IPART ● VEU ● REES

ACCESSORY CODE	DESCRIPTION
MML50WG	50W Maxi Master wire guard
MML100WG	100W Maxi Master wire guard

54 |— 280 —| (mm)
|— 250 —|
200   277

MML50S

60 |— 318 —| (mm)
|— 288 —|
372   293

MML100S
MML100A
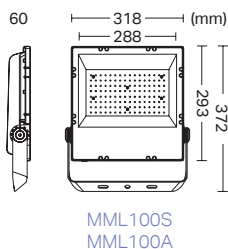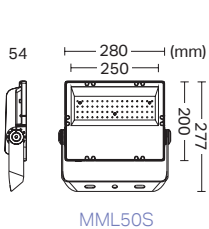
Maxi Master Floodlight Gen3

COLOUR SELECT
LUMEN SELECT™

The NEW versitile and robust MaxiMaster floodlight now offers a 250W variant with colour and lumen select. This compact high performer is perfect for general illumination in industrial, commercial and car park installations.

- LM6 marine grade chromated aluminium body with a black powder coat finish
- Supplied with 2 x 20mm cable entries, 2 x 20mm metal cable gland, 6mm² terminal block
- vailable in asymmetrical or symmetrical distribution

Applications

Commercial, industrial

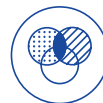**IP66** Ingress Protection Rating

5 Year Warranty

54,000hr Lifetime (L70/B50)

Ta50 Operational Temperature Rating

IK08 Impact Rating

CRI 80 Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT
MML250LSCSA	100W / 150W / 200W / 250W	33889lm	150lm/W	3000K / 4000K / 5000K
MML250LSCSS	100W / 150W / 200W / 250W	28389lm	162lm/W	3000K / 4000K / 5000K

*Based on 4000K
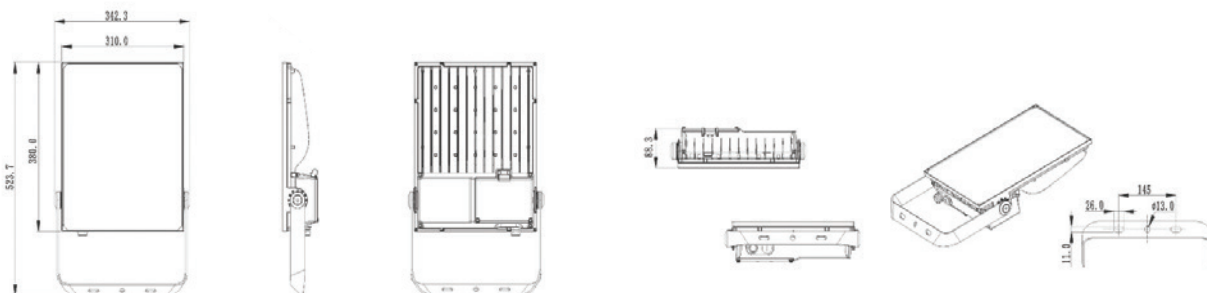
MML250LSCSA
MML250LSCSS

Shadow Floodlight Gen3

COLOUR SELECT

LUMEN SELECT™

A sleek low profile floodlight providing high functionality with style.

- New slimline design with improved efficacy and lumen output
- Black powder coated and made of LM6 marine grade aluminium housing ideal for harsh outdoor conditions
- PIR sensor option

Applications

Residential, commercial, industrial

| **IP65** Ingress Protection Rating | **3 Year** Warranty | **54,000hr** Lifetime (L70/B50) | **-25 - Ta40** Operational Temperature Rating | **IK08** Impact Rating |

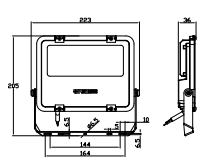| CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/ WATT	CCT
SHAD30CSLSG3	15W / 30W	4050lm	138lm/W	3000K / 4000K / 5000K
SHAD30CSLSPG3	15W / 30W	4050lm	138lm/W	3000K / 4000K / 5000K
SHAD50CSG3	50W	6600lm	136lm/W	3000K / 4000K / 5000K
SHAD50CSPG3	50W	660lm	136lm/W	3000K / 4000K / 5000K
SHAD100CSG3	100W	14,000lm	143lm/W	3000K / 4000K / 5000K
SHAD200CSG3	200W	28,000lm	141lm/W	3000K / 4000K / 5000K

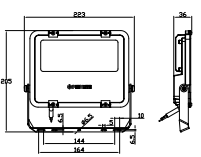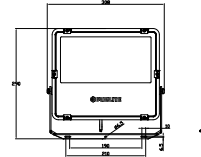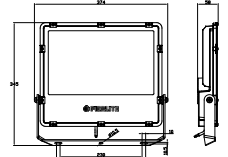*Based on 4000K
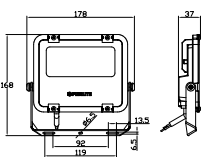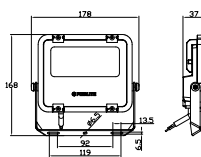
| SHAD30CSLSG3 | SHAD30CSLSPG3 | SHAD50CSG3 | SHAD50CSPG3 | SHAD100CSG3 | SHAD200CSG3 |

Pierlux Security Light

COLOURSELECT

The Pierlux Security Light provides versatility through Colour Select and its removable/replaceable sensor.

- Available in black or white with either twin or single adjustable spotlights.
- Robust aluminum heads with UV protected polycarbonate housing.
- Removable / replaceable sensor with adjustable sensitivity, time and ambient lux level.

Applications

Commercial, residential

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

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT
PSL12BCSPS	12W	953lm	79lm/W	3000K / 4000K / 5700K
PSL12WCSPS	12W	953lm	79lm/W	3000K / 4000K / 5700K
PSL24BCSPT	24W	1,847lm	77lm/W	3000K / 4000K / 5700K
PSL24WCSPT	24W	1,847lm	77lm/W	3000K / 4000K / 5700K

*Based on 4000K
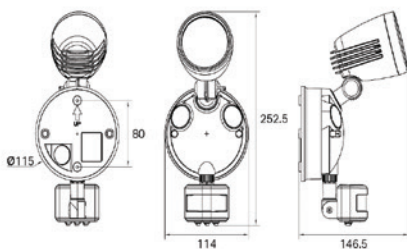
PSL12BCSPS
PSL12WCSPS
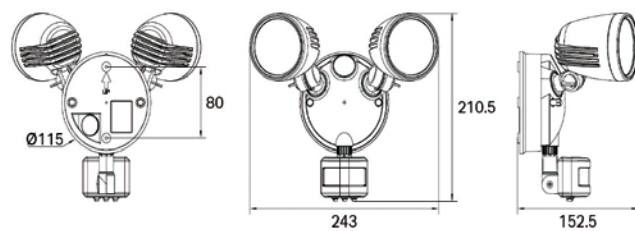
PSL24BCSPT
PSL24WCSPT

Eco Batten Emergency Gen4

COLOUR SELECT

LUMEN SELECT™

One box solution with colour and lumen select across the range. Now with a 5 year warranty and a 10% increase in efficiency from the previous gen using a new LED system for lower power consumption, it makes an ideal replacement for traditional battens.

- Opalised diffuser for even light distriution
- Uses quick release clips and removable connectors for easy installation
- Replaceable Lithium Iron Phosphate (LiFePO4) battery

Applications

Commercial, residential, industrial

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

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	ENERGY SCHEME
ECOBAT202ECSLSG4M	11W / 14W / 16W / 18W	1900lm	120lm/W	4000K / 5000K / 6500K	● IPART ● VEU ● REES
ECOBAT404ECSLSG4M	18W / 25W / 30W / 36W	4000lm	120lm/W	4000K / 5000K / 6500K	● IPART ● VEU ● REES

*Based on 4000K

ACCESSORY CODE	DESCRIPTION
WG2	Wireguard 600mm c/w bracket
WG4	Wireguard 1200mm c/w bracket

ECOBAT202ECSLSG4M

603

74

74

ECOBAT404ECS/ME

1164

74

74
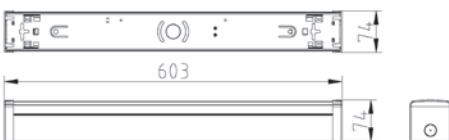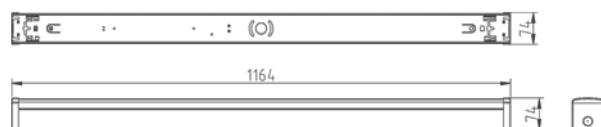
Nipper Emergency Batten Gen2

COLOUR SELECT

LUMEN SELECT™

The Nipper is an efficient wide base LED linear batten designed in a sealed removable LED module and a white metal back plate with large terminal blocks for ease of installation.

- Energy efficient LED emergency luminaire AS2293 compliant

- Maintained Emergency operation with Lithium Iron Phosphate (LiFePO4) battery

- Designed with a wide 130mm width base to easily replace old and energy consuming twin fluorescent battens

Applications

Commercial

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

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT
NIPBAT404ECSLME	18W / 25W / 30W / 36W	3860lm	>107lm/W	4000K / 5000K / 6500K

*Based on 4000K

1230

74

130

4FT

NIPBAT404ECSLME

BWP Eco Emergency Weatherproof Batten Gen2

The BWP Eco Emergency Weatherproof Batten has been designed to achieve higher emergency classification complete with Lithium Iron Phosphate battery.

- Available in multiple sizes and wattages 655mm (Mains 20W); 1265mm (Mains 20W / 27W / 33W / 40W) and 1565mm (Mains 53W)
- Energy efficient LED weatherproof emergency luminaire AS2293 compliant
- Replaceable Lithium Iron Phosphate (LiFePO4) battery

COLOUR SELECT

LUMEN SELECT™

Applications

Commercial, industrial

| **IP65** Ingress Protection Rating | **3 Year** Warranty (including battery) | **54,000hr** Lifetime (L70/B50) | **50,000hr** Lifetime (L70/B50) for BWPECO 404ECSEMS | **Ta40** Operational Temperature Rating | **Non-** Dimmable | **IK08** Impact Rating | **CRI 80** Colour Rendering Index |
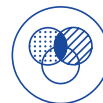
CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT	ENERGY SCHEME
BWPECO202ECSEM	20W	2500lm	105lm/W	3000K / 4000K / 6000K	● IPART ● VEU ● REES
BWPECO404ECSEM	20W / 27W / 33W / 40W	5200lm	117lm/W	3000K / 4000K / 6000K	● IPART ● VEU ● REES
BWPECO505ECSEM	52W	6200lm	119lm/W	3000K / 4000K / 6000K	● IPART ● VEU ● REES

*Based on 4000K
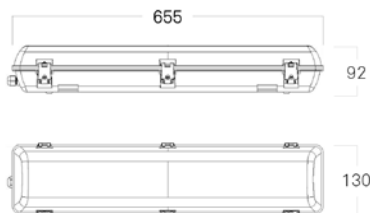
BWPECO202ECSEM

BWPECO404ECSEM
BWPECO404ECSEMS

BWPECO505ECSEM

BWP Eco Sensor Emergency Weatherproof Batten Gen2

COLOUR SELECT

LUMEN SELECT™

A versatile lighting solution with motion detection and tri-level sensing ideal for carparks and warehouse applications.

- Tri-level sensing offering 100% brightness / dimmed / off settings with adjustable hold times for motion and standby periods

- Selectable daylight thresholds for adjusting light output based on natural light

- Wide polycarbonate body with lockable stainless steel clips

- Replaceable Lithium Iron Phosphate (LiFePO4) battery

Applications

Industrial, commercial

IP65 Ingress Protection Rating	**5 Year** Warranty	**54,000hr** Lifetime (L70/B50)	**Ta40** Operational Temperature Rating	**IK08** Impact Rating	**CRI 80** Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT	CCT
BWPECO404ECSEMS2	25W / 32W / 37W / 43W	4617lm	130lm/W	3000K / 4000K / 6500K
BWPECO505ECSEMS2	33W / 41W / 49W / 58W	6068lm	130lm/W	3000K / 4000K / 6500K

*Based on 4000K

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

1265   92   130

BWPECO404ECSEMS2

1565   92   130

BWPECO505ECSEMS2

Pierlux Eco Emergency Highbay Gen7

LUMENSELECT™

Versatile and robust emergency highbay solution ideal for pallet racking and open warehouse applications.

- Reduce labour and emergency lighting costs in warehouse applications with high classifications for maximum spacing

- Includes a bicolour LED indicator, test switch and infrared remote with a 15m range for ease of emergency testing

- Fully compliant with AS2293 standards, ensuring safety and reliability

Applications

Industrial, commercial

IP65 Ingress Protection Rating	**5 Year** Warranty (Highbay)	**3 Year** Warranty (Battery)	**54,000hr** Lifetime (L70/B50)	**Ta45** Operational Temperature Rating	**IK08** Impact Rating	**CRI 80** Colour Rendering Index

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT
ECOHB120LSE4G7EM	60W / 80W / 100W / 120W	10700lm / 14000lm / 17100lm / 19900lm	160lm/W	4000K
ECOHB120LSE5G7EM	60W / 80W / 100W / 120W	10800lm / 14100lm / 17200lm / 20000lm	160lm/W	5000K
ECOHB200LSE4G7EM	100W / 120W / 170W / 200W	18100lm / 21300lm / 29000lm / 32900lm	160lm/W	4000K
ECOHB200LSE5G7EM	100W / 120W / 170W / 200W	18400lm / 21700lm / 29600lm / 34100lm	160lm/W	5000K

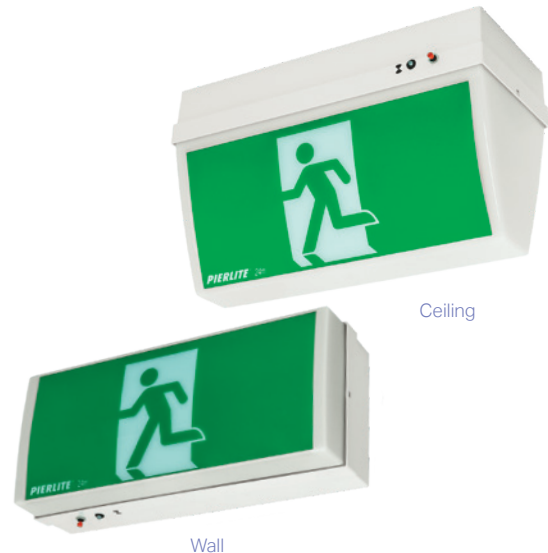| ACCESSORY CODE	DESCRIPTION
ECOHBG7EMKIT	Sealed Battery Pack
ECOHBG7EMRMT	Remote for Eco emergency Highbay Gen7
HBPCREFR	Polycarbonate Refractor t/s ECO & DALI Highbay
HBPCLENS	Polycarbonate refractor lens for ECO & DALI Highbay (ECOHBG5PCREF required)
HBALREFL	Highbay Aluminium Reflector t/s ECO & Dali Highbay
HBWG	Wire guard for ECO & DALI Highbay both 120W & 200W
HBGRIP2MKIT	Highbay Gripple Suspension KIT - Purlin Bracket 2m Hanger c/w 214 Gauge & Screws
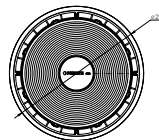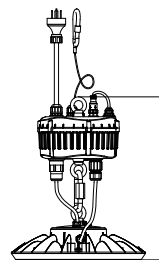
BWPECO505ECSEMS2
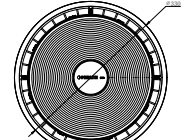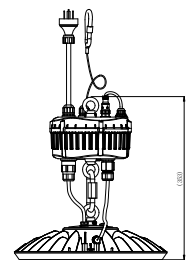
BWPECO505ECSEMS2

Director 2 Exit Light

General purpose traditional interior exit luminaire, in LED and LiFeP04 battery.

- 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
- 24m viewing distance

Applications

Commercial, retail, hospitality, industrial

Ceiling

Wall

IP20 Ingress Protection Rating	**3 Year** Warranty (including battery)	**50,000hr** Lifetime (L70/B50)	**Ta40** Operational Temperature Rating	**24m** Viewing Distance

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/ WATT
DIRLEDPDSL (Ceiling)	4.6W	220lm	48lm/W
DIRLEDPSSL (Wall)	4.6W	220lm	48lm/W

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

DIRLEDPDSL

— 380 — — 160 — (mm) 220

DIRLEDPSSL

— 380 — —110— 160 (mm)
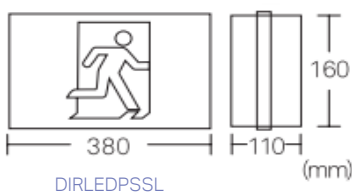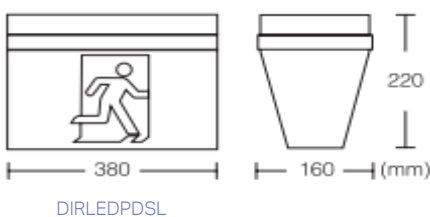
DIRLEDPSSL (WALL MOUNT)
AS/NZS 2293.1:2018 CLASSIFICATION TABLE

ALLOWABLE LUMINAIRE MOUNTING HEIGHT (M)	LUMINAIRE MAXIMUM SPACING FOR EACH PLANE (M)			
	C0	C90	C180	C270
2.1	3.7	4.1	0	4.1
2.4	0	4.1	0	4.1
2.7	0	0	0	0

DIRLEDPDSL (CEILING MOUNT)
AS/NZS 2293.1:2018 CLASSIFICATION TABLE

ALLOWABLE LUMINAIRE MOUNTING HEIGHT (M)	LUMINAIRE MAXIMUM SPACING FOR EACH PLANE (M)	
	C0/C180	C90/C270
2.1	7.8	8.5
2.4	8	8.8
2.7	8.1	8.9

Stingray 2 Exit Light

A stylish, quick connect LED exit luminaire for interior exit sign application.

- Ceiling mount and optional wall mount
- Includes all pictogram inserts and one box solution with a fully integrated assembly makes for easier installation
- 24m viewing distance
- Optional IP65 kit

Applications

Commercial, residential, hospitality, retail
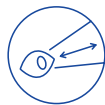
IP20
Ingress Protection Rating

3 Year
Warranty (including battery)

50,000hr
Lifetime (L70/B50)

Ta40
Operational Temperature Rating

24m
Viewing Distance

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/ WATT
STLED-L (White)	4.6W	124lm	27lm/W
STTLED-L (Black)	4.6W	124lm	27lm/W

ACCESSORY CODE	DESCRIPTION
BATPK1500/1L11	LiFePO4 battery, 1 cell 3.2V 1500 mAh
AQUALOCK-W	IP65 enclosure
99023330	Rod suspension kit 1600mm white
EXCB	Cantilever bracket wall mount kit

STLED-L (STANDARD) AS/NZS 2293.1:2018 CLASSIFICATION TABLE		
ALLOWABLE LUMINAIRE MOUNTING HEIGHT (M)	LUMINAIRE MAXIMUM SPACING FOR EACH PLANE (M)	
	C0/C180	C90/C270
2.1	6.5	5
2.4	6.5	5.2
2.7	6.5	5.2

81

245

395

(mm)
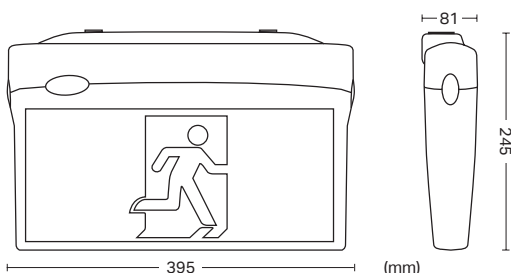
STLED-L
STTLED-L

Firefly 2 Emergency Light

The affordable and reliable LED emergency light with Lithium Iron Phosphate battery One box solution with a fully integrated assembly.

- Easy installation, flex and plug included
- Optional surface mounting kit
- Replaceable Lithium Iron Phosphate (LiFePO4) battery

Applications

Commercial, residential, hospitality, retail

IP20
Ingress Protection Rating

3 Year
Warranty (including battery)

**50,000hr**
Lifetime (L70/B50)

Ta40
Operational Temperature Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/ WATT
FFRLED2 (White)	2.5W	174lm	93lm/W
FFRLEDBK2 (Black)	2.5W	174lm	93lm/W

ACCESSORY CODE	DESCRIPTION
FFSLEDKITWH	Surface mounted kit (white)
FFSLEDKITBK	Surface mounted kit (black)
BATPK1200/4L41	LiFePO4, 4 cell 6.4V 1200 mAh rechargeable battery pack

48.5
ø140
(mm)
cut out: ø114

FFRLED2
FFRLEDBK2

FFRLED2 & FFRLEDBK2
AS/NZS 2293.1:2018 CLASSIFICATION TABLE

ALLOWABLE LUMINAIRE MOUNTING HEIGHT (M)	LUMINAIRE MAXIMUM SPACING FOR EACH PLANE (M)		
	C0	C90/270	C180
2.1	11.5	11.5	11.5
2.4	13.2	13.2	13.2
2.7	14.8	14.8	14.8
3	16.5	16.5	16.5
3.3	17.6	17.6	17.6
3.6	18	18	18
4	18.5	18.5	18.5
4.5	19	19	19
5	19.5	19.5	19.5
6	20.1	20.1	20.1

Pathfinder Eco Emergency

The affordable and reliable LED emergency light complete with Lithium Iron Phosphate battery. Available in standard and DALI versions

- High luminous efficacy to maximise spacing
- Recessed mount white finish
- Flex and plug included for easy installation
- Replaceable Lithium Iron Phosphate (LiFeP04) battery

Applications
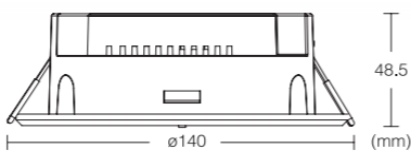
Commercial, residential, hospitality, retail

IP20
Ingress Protection Rating

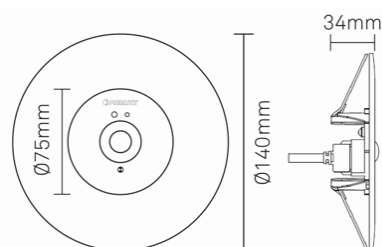**4 Year**
Warranty (including battery)

50,000hr
Lifetime (L70/B50)

Ta40
Operational Temperature Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/ WATT
PFDLED-ECO (DALI)	3W	339lm	113lm/W
PFDLED-ECO-SF (DALI)	3W	339lm	113lm/W
PFLED-ECO	1.5W	217lm	144lm/W
PFLED-ECO-SF	1.5W	217lm	144lm/W

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

PFLED-ECO & PFDLED-ECO
AS/NZS 2293.1:2018 CLASSIFICATION TABLE

ALLOWABLE LUMINAIRE MOUNTING HEIGHT (M)	LUMINAIRE MAXIMUM SPACING FOR EACH PLANE (M) FOR PFDLED AND (PFLED)		
	C0	C90/270	C180
2.1	11.5	11.5	11.5
2.4	13.2	13.2	13.2
2.7	14.8	14.8	14.8
3	16.5	16.5	16.5
3.3	18.1	18.1	18.1
3.6	19.8 (19.5)	19.8 (19.5)	19.8 (19.5)
4	22 (20.1)	22 (20.1)	22 (20.1)
4.5	24.5 (20.7)	24.5 (20.7)	24.5 (20.7)
5	25.2 (21.2)	25.2 (21.2)	25.2 (21.2)
6	26.4 (22.1)	26.4 (22.1)	26.4 (22.1)
7	27.3 (22.6)	27.3 (22.6)	27.3 (22.6)

Ø75mm Ø140mm 34mm

Guardian 2 Emergency Floodlight

The affordable and reliable LED emergency floodlight complete with twin LED adjustable heads and lithium iron phosphate battery.

- Non corrosive polycarbonate housing and reflectors
- IP20 as standard; weatherproof enclosure available with IP65 certification
- Replaceable Lithium Iron Phosphate (LiFePO4) battery

Applications

Commercial, industrial

| **IP20** Ingress Protection Rating | **3 Year** Warranty (including battery) | **50,000hr** Lifetime (L70/B50) | **Ta40** Operational Temperature Rating | **Non-** Dimmable |

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT
GRLED7FL-L	4W	616lm	100lm/W	4000K

ACCESSORY CODE	DESCRIPTION
GRWPENCL	IP65 enclosure
DGLCEM3200/2L12	Battery LiFePO4 2C 6.4V 3200mAh
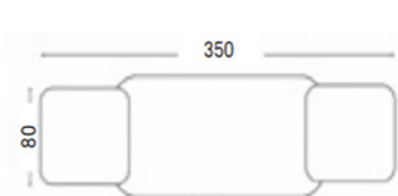
GRLED7FL-L
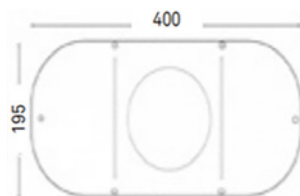
GRWPENCL

LEDsmart™ Adaptive Phase Dimmer

Providing optimised dimming of LED based lamps and drivers, this high quality, two-wire phase control wall plate dimmer has a minimum load rating of 2W, allowing it to adapt to a wide range of available LED drivers.

- 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

Applications

Commercial, residential, hospitality

IP20
Ingress Protection Rating

2 Year
Warranty

Ta50
Operational Temperature Rating

CODE	DESCRIPTION
MEDM	Dimmer precision phase adaptive mechanism

ACCESSORY CODE	DESCRIPTION
DGACCESSPK5	5x Black dials for MEDM dimmers

22mm · 48mm
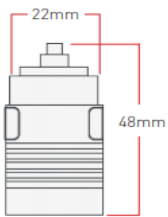
MEDM

LEDsmart+™ Dimmers, Switches & Timers

Powered by

MultiMate TECHNOLOGY

Providing optimised dimming of LED based lamps and drivers, this high quality, two-wire phase control dimmer can be connected in parallel to other LEDsmart+ devices to provide a simple solution to multi-way control.

- 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

Applications

Commercial, residential, hospitality

IP20
Ingress Protection Rating

2 Year
Warranty

Ta50
Operational Temperature Rating

| MMDM/RT | MMSW/PB | MMDM/PB | MMTH/PB |

CODE	DESCRIPTION	COMPATIBLE WITH:
MMDM/RT	Rotary dimmer/switch	Phase dimming product
MMDM/PB	Push button dimmer/switch	Phase dimming product
MMSW/PB	Push button switch	Phase dimming product
MMTH/PB	Push button hour timer	Phase dimming product

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

22mm
52mm

22mm
42mm

24mm
24mm

MMDM/RT

MMDM/PB
MMSW/PB
MMTH/PB
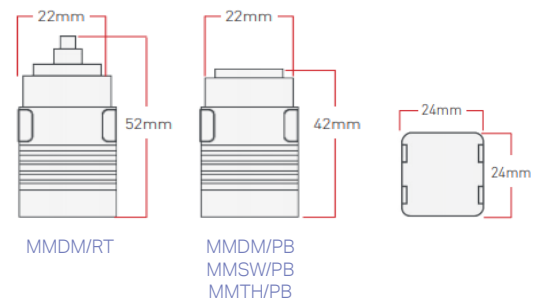
LEDsmart+™
Occupancy Sensor

The LEDsmart+ Occupancy Sensor can be used by itself or connected to other LEDsmart+ devices. By itself, the sensor switches lighting when movement is detected.

- 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

Applications

Commercial, residential, hospitality

IP20
Ingress Protection Rating

2 Year
Warranty

Ta50
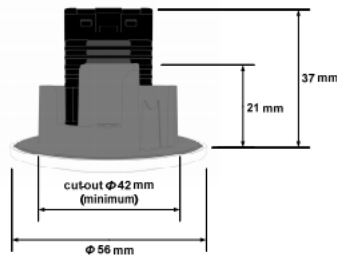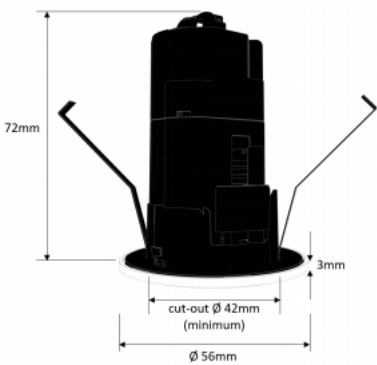Operational Temperature Rating

CODE	DESCRIPTION
MMSE/PR	LEDsmart+ PIR occupancy sensor with MultiMate technology

72mm
cut-out Ø 42mm (minimum)
Ø 56mm
3mm

37 mm
21 mm
cutout Ø 42 mm (minimum)
Ø 56 mm

MMSE/PR

Smart Scan Two Channel Sensor

Pierlite Smart Scan flush mount sensor package consisting of a small 360˚ passive infrared sensor head and a control/relay module.

- 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

Applications

Commercial, residential, hospitality

IP20	**2 Year**	**50,000hr**	**Ta50**	**54mm**
Ingress Protection Rating	Warranty	Lifetime	Operational Temperature Rating	Cut-Out

CODE	DESCRIPTION	ENERGY SCHEME
SMARTSCAN2	360˚ PIR sensor with two channel 16A sensor control module	● IPART ● VEU ● REES

10mm

∅ 60
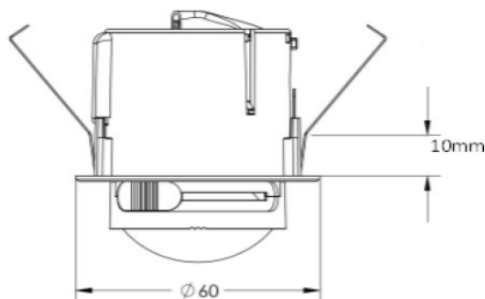
SMARTSCAN2

Smart Scan Sensor MKII- Ceiling Mounted Motion Sensor

The ceiling mounted motion sensors consists of two items; a 360˚ high definition passive infrared (HDIR™) sensor head and a control/relay module.

- 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

Applications

Commercial, residential, hospitality

IP20
Ingress Protection Rating

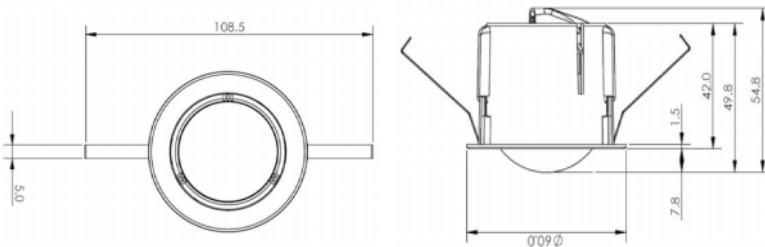**2 Year**
Warranty

Ta50
Operational Temperature Rating

52mm
Cut-Out

CODE	DESCRIPTION
DGSMARTSCAN1HD	Smart Scan MK2 360˚ PIR HD sensor 1 channel 16A output

DGMSMARTSCAN1HD

EcoSet Sensor

The Pierlite EcoSet Occupancy Sensor is a movement detector with a build-in switch. It will switch off the lights in a room or area when it is vacated, and its single target is to achieve incremental energy saving in a simple, reliable, and affordable way. It is designed with 2-in-1 mounting method, which can support both surfaced and recessed mounting.

- 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)

Applications

Residential, commercial, hospitality

IP20	**3 Year**	**50,000hr**	**Ta40**	**54mm**
Ingress Protection Rating	Warranty	Lifetime (L70/B10)	Operational Temperature Rating	Cut-Out

CODE	DESCRIPTION
ECOSETSENSPIR	Pierlite EcoSet standalone Occupancy Switch PIR Sensor
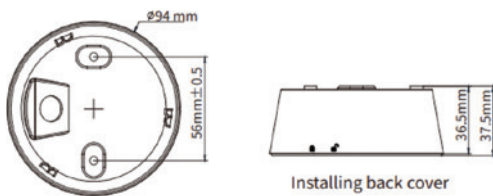
ECOSETSENSPIR

EcoSet Weatherproof Sensor

Outdoor motion and daylight sensor for extra security and energy saving needs.

- 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

Applications

Commercial, residential, hospitality

IP66
Ingress Protection Rating

5 Year
Warranty

50,000hr
Lifetime (L70/B10)

Ta50
Operational Temperature Rating

CODE	DESCRIPTION
ECOSETWPBK	EcoSet Weatherproof 3wire standalone PIR sensor surface mount C/W remote black
ECOSETWPWH	EcoSet Weatherproof 3wire standalone PIR sensor surface mount C/W remote white

Notes

Signify

INNOVATION
CENTRE

## TESTING THE LIMITS OF LIGHTING IN AUSTRALIA

The Signify Innovation Centre, located at our head office in Padstow 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 testing facility ensuring complete quality control, agile product development and technical aftersales support capabilities.

The Signify Innovation Centre encompasses:
· Photometry
· Thermal chambers
· Endurance chambers
· Testing facilities for electromagnetic compatibility
· IP chamber for both water and dust
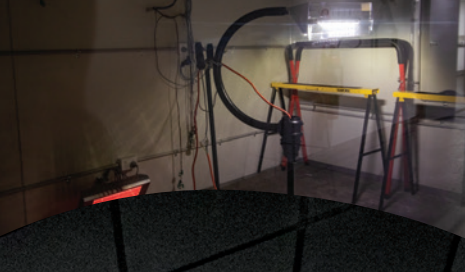
To visit our innovation centre and our on-site factory,
contact your Signify sales representation for more information.

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.
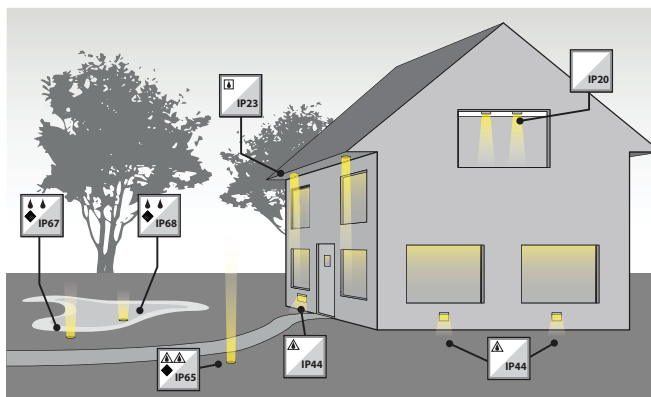
IK ratings   Defined by UTE 20010
Degree of Impact Protection EN62262.

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

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.
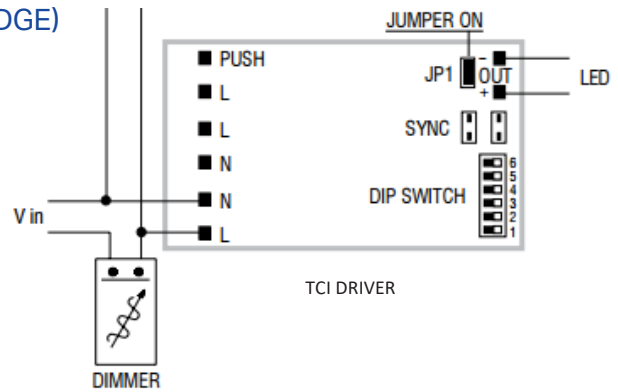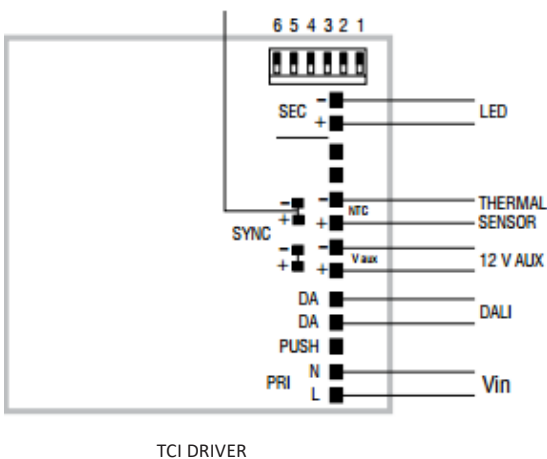
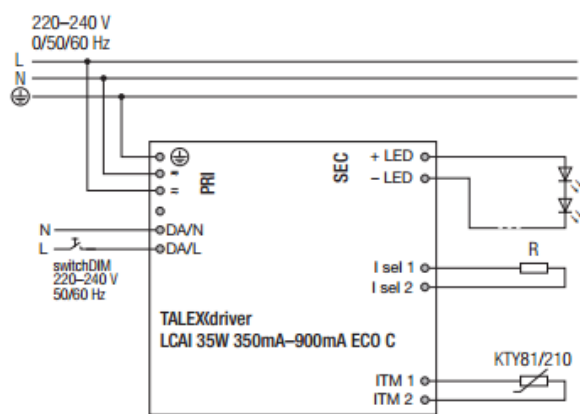Additional 2-Core LV control cable is required.

TCI DRIVER

- 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).

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

TRIDONIC DRIVER
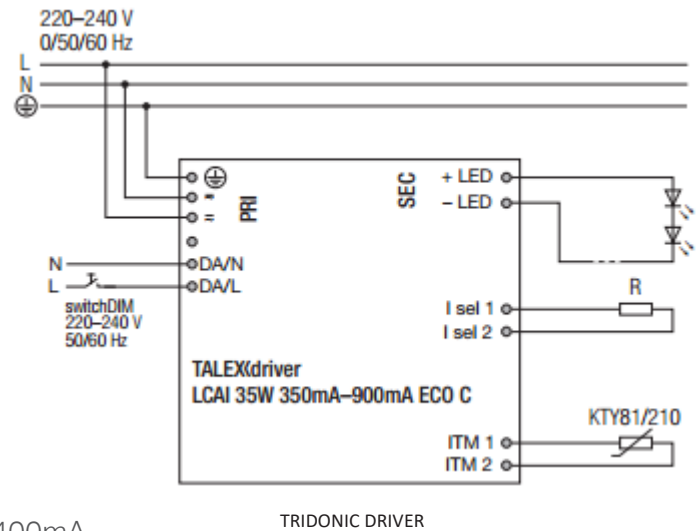
SWITCH DIM

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.
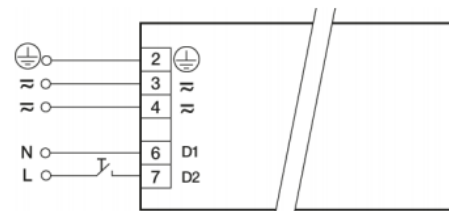

Four-pole wiring

Configuration:
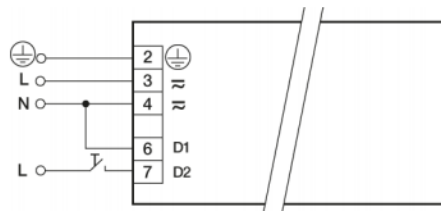
Phase (L), neutral (N), earth (PE), control line (L')

TRIDONIC DRIVER

Five-pole wiring

Configuration:

Phase (L), neutral (N), earth (PE), control line (L), neutral (N)

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 QR CODE FOR
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.

- 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

TCI DRIVER
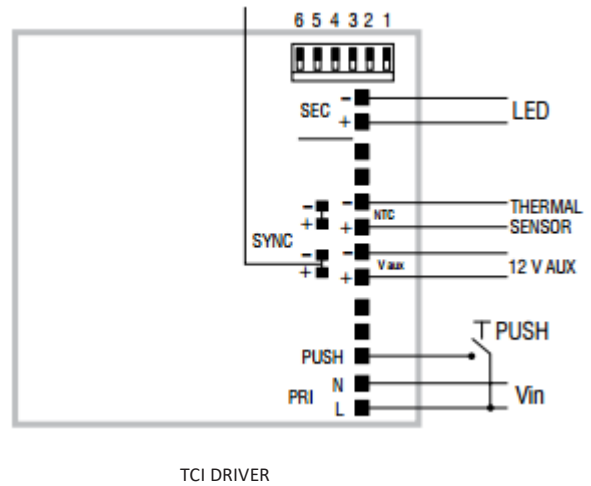
WHAT'S THE DIFFERENCE BETWEEN DELIVERED AND CHIP LUMEN?

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)!

Notes

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