PIERLITE®

FAST MOVERS

LIGHTING FOR THE TRADE

FY23-24

EDITION 4

PIERLITE.COM.AU

PIERLITE

CONTENTS

Downlights

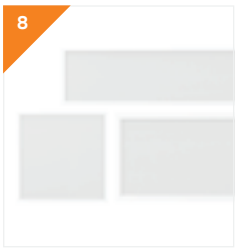
4
STARBURST CRYSTAL ECO LED GEN 2

5
LITELUX COLOUR SELECT LED DOWNLIGHT GEN 3

6
CONIX DOWNLIGHT

7
PIERLUX PLUS COLOUR SELECT LED DOWNLIGHT

Panels

8 
ECO LED PANEL GEN 2

Highbays

9
PIERLUX ECO LED HIGHBAY GEN 6

10
PIERLUX MOTION SENSOR

Oysters

11
ORION OYSTER GEN3

12
SLIMLINE COLOUR SELECT LED OYSTER

Battens

13
OBL MINI LED BATTEN

14
ECO LED BATTEN GEN 3

15
ECO LED COLOUR SELECT BATTEN WITH SENSOR

16
NIPPER LED BATTEN

17
BWP ECO LED WEATHERPROOF BATTEN GEN 2

18
VANDALED CS

Bunkers & Bulkheads

19
CARLTON COLOUR SELECT LED BUNKER

20
SIRROCO II LED BULKHEAD

21
JULUX LED 2 BULKHEAD

Floodlights

22
MAXI MASTER GEN II LED FLOODLIGHT

23
HORNET LED FLOODLIGHT

Emergency & Exit Lights

24

SHADOWECO LED FLOODLIGHT

25

ECO LED EMERGENCY BATTEN GEN 4

26

NIPPER LED EMERGENCY BATTEN

27

BWP ECO COLOUR SELECT LED EMERGENCY WEATHERPROOF BATTEN

28

DIRECTOR 2 LED EXIT LIGHT

29

STINGRAY 2 LED EXIT LIGHT

30

FIREFLY2 LED EMERGENCY LIGHT

31

PATHFINDER ECO LED EMERGENCY

32

GUARDIAN 2 LED EMERGENCY FLOODLIGHT

Dimmers & Sensors

33

LEDSMART™ ADAPTIVE PHASE DIMMER

34

LEDSMART+™ DIMMERS, SWITCHES AND TIMERS

35

LEDSMART+™ OCCUPANCY SENSOR

36

LEDSMART+™ DIGITAL LEVEL DISPLAY

37

SMART SCAN TWO CHANNEL SENSOR

38

SMART SCAN SENSOR MKII - CEILING MOUNTED MOTION SENSOR

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

Starburst Crystal Eco LED 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

IP20 Ingress Protection Rating

3 Year Warranty

30,000hr Lifetime (L70B50)

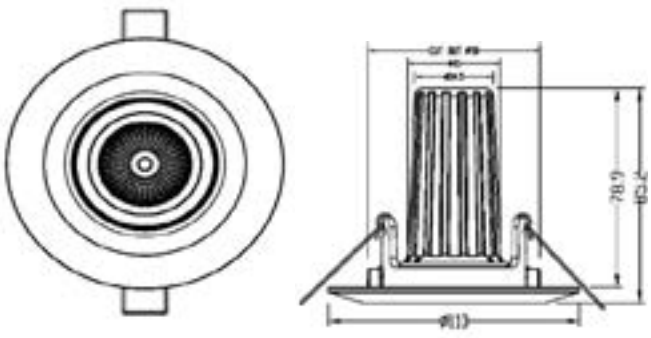
Ta40 Operational Temperature Rating

Phase Dimmable

90mm Cut-Out

COMPATIBLE WITH MEDM LEDSMART+

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



CRYSECO1G2
CRYSECO5G2

Litelux Colour Select LED Downlight Gen 3

COLOUR SELECT

The new generation Pierlite Litelux Colour Select LED Downlight Gen3, 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

Applications

Commercial, residential, hospitality

IP44 Ingress Protection Rating

3 Year Warranty

30,000hr Lifetime (L70) (In-built driver)

36,000hr Lifetime (L70) (Remote driver)

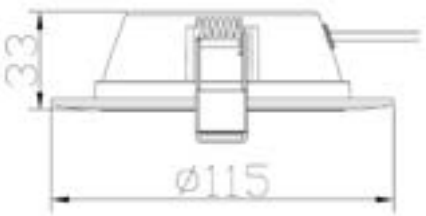
Ta40 Operational Temperature Rating

Phase Dimmable

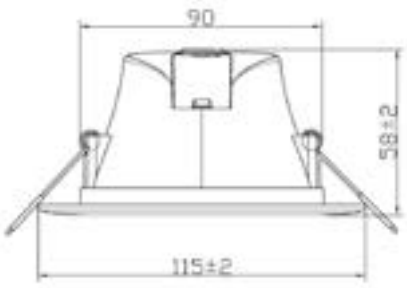
IC-4 Rating

90mm Cut-Out

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	DIMMING	ENERGY SCHEME
DLP53/4/65FWG3	7.8W	800	103lm/W	3000K, 4000K, 6500K	>80	Phase	IPART VEU REES
DLP63/4/65FWG3	7W	750	107lm/W	3000K, 4000K, 6500K	>80	Phase	IPART VEU REES



DLP53/4/65FWG3
(remote driver)



DLP63/4/65FWG3
(in-built driver)

Conix Downlight

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 degree lens
- IP44 ingress protection (front only)
- Colour Select - 3000K, 4000K and 6500K

Applications

Residential, commercial

IP44 Ingress Protection Rating

3 Year Warranty

50,000hr Lifetime (L70B50)

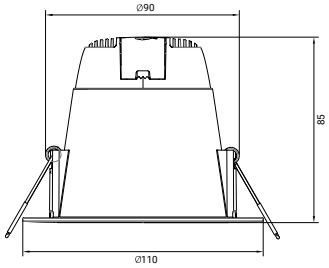
Ta0-40 Operational Temperature Rating

Phase Dimmable

IC-4 Rating

90mm Cut-Out

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	DIMMING
CNX63/4/65B	6.5W	650	100lm/W	3000K/ 4000K/ 6500K	80	Phase
CNX63/4/65W	6.5W	770	115lm/W	3000K/ 4000K/ 6500K	80	Phase



CNX63/4/65B
CNX63/4/65W

Pierlux Plus Colour Select LED Downlight

COLOUR SELECT

Pierlux Plus Colour Select LED 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

IP44 Ingress Protection Rating

3 Year Warranty

54,000hr Lifetime (L80B50)

Ta40 Operational Temperature Rating

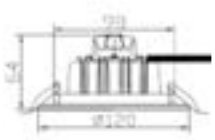
Phase Dimmable

100mm Cut-Out PLUX43/4/6K

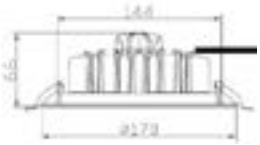
150mm Cut-Out PLUX63/4/6KP

200mm Cut-Out PLUX83/4/6K

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/ WATT	CCT	CRI	DIMMING	ENERGY SCHEME
PLUX43/4/6K	14W	1,200	86lm/W	3000K/ 4000K/ 6500K	>80	Phase	IPART VEU REES
PLUX63/4/6KP	25W	2,600	104lm/W	3000K/ 4000K/ 6500K	>80	Phase	IPART VEU REES
PLUX83/4/6K	35W	3,700	106lm/W	3000K/ 4000K/ 6500K	>80	Phase	IPART VEU REES



PLUX43/4/6K



PLUX63/4/6KP

PLUX83/4/6K

Eco LED Panel Gen 2

COLOUR SELECT

Pierlite Eco Colour Select LED Panel Gen 2 is a low profile luminaire solution, designed as an ideal replacement for traditional fluorescent recessed troffers.

- One-box solution with 3-in-1 colour temperature*
- Office compliant option available in UGR19
- Easy to install with remote constant driver and 1.2m flex and plug

*For selected products only

Applications

Commercial, general lighting

IP40 Ingress Protection Rating

3 Year Warranty

50,000hr Lifetime (L70B50)

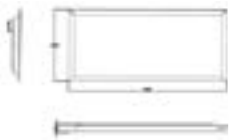
Ta40 Operational Temperature Rating

Non- Dimmable

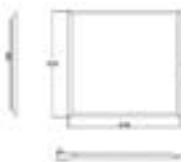
IK07 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/ WATT	CCT	CRI	DIMENSIONS (H X W X L)
ECOPL063CSEG2	14W	1,400	107lm/W	4000K/ 5000K/ 6500K	>80	30mm x 295mm x 595mm
ECOPL066CSEG2	27W	2,800	107lm/W	4000K/ 5000K/ 6500K	>80	30mm x 595mm x 595mm
ECOPL123CSEG2	27W	2,800	107lm/W	4000K/ 5000K/ 6500K	>80	30mm x 295mm x 1195mm
ECOPL126CSEG2	50W	4,800	96lm/W	4000K/ 5000K/ 6500K	>80	30mm x 595mm x 1195mm
ECOPL1234UG19	34W	3,200	94lm/W	4000K	>80	30mm x 295mm x 1195mm
ECOPL1234EG2	27W	2,900	107lm/W	4000K	>80	30mm x 295mm x 1195mm

ACCESSORY CODE	DESCRIPTION
UDFRM/6-3	Universal deep frame 295 x 595
UDFRM/6-6	Universal deep frame 595 x 595
UDFRM/12-3	Universal deep frame 295 X 1195
UDFRM/12-6	Universal deep frame 595 x 1195
FRM/PM18W	Plaster master frame 295 x 595
FRM/PM18WIDE	Plaster master frame 595 x 595
FRM/PM36W	Plaster master frame 295 x 1195
FRM/PM36WIDE	Plaster master frame 595 x 1195
ECOPLWIREKITG2	Suspension kit Y-shape, 1M and 2 brackets
EMKIT-5W-MT	Emergency kit



ECOPL063CSEG2



ECOPL066CSEG2

ECOPL1234EG2
ECOPL1234UG19
ECOPL123CSEG2

Pierlux Eco LED Highbay Gen 6

LUMEN SELECT™

The new generation Pierlux Eco LED Highbay Gen 6 120W, with 1-10V dimming and 200W lumen select variants are the ideal light fixture for industrial and commercial applications. With an improved efficacy of up to 180lm/W and 4 wattages/ lumen option for the 200W Lumen Select highbay, this fixture is the ultimate energy efficient replacement for traditional HID and older LED highbays.

- One box solution with Lumen Select (200W) and 1-10v dimming (120W)
- Superior housing made with LM6 grade die cast aluminium
- Complete with 1.7m flex & plug with safety lanyard for quick and secure installation

Applications

Industrial

IP65 Ingress Protection Rating

5 Year Warranty

54,000hr Lifetime (L70/B50)

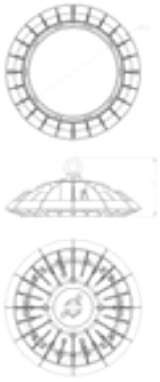
Ta50 Operational Temperature Rating

1-10V Dimmable

IK08 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	DIMMING	ENERGY SCHEME
ECOHB120W850G6	120W	19,200	160lm/W	5,000K	>80	1-10V	• IPART • VEU • REES
ECOHB200W85LSG2	100W 150W 170W 200W	17,894 26,017 29,196 33,746	180lm/W 174lm/W 170lm/W 166lm/W	5,000K	>80	-	• IPART • VEU • REES

ACCESSORY CODE	DESCRIPTION
ECOHBSFHF	Motion Sensor
ECOHB120BRKT	G5 120W Surface mounting bracket kit
ECOHB170200BRKT	G5 170W 200W Highbay surface mounting bracket kit
ECOHBG5ALREF	G5 ANNODIZED Aluminium reflector
ECOHBG5LRCOV	G5 ANNODIZED Aluminium dust cover 170 200W
ECOHBG5PCREF	G5 Transparent polycarbbonate refractor
ECOHBG5SMCOV	G5 Annodised aluminium dust cover 120W



ECOHB120W850G6

ECOHB200W85LSG2

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

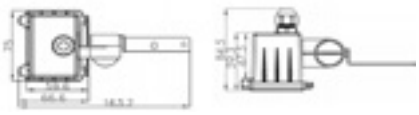
Non- Dimmable

Detection Zone (ø1 0m x H 12m)

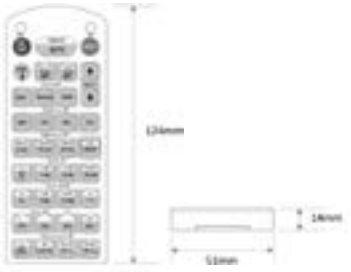
Max Load 800W

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 50lx.

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

Without Trim

Applications

Commercial, residential, hospitality

IP54 Ingress Protection Rating

3 Year Warranty

54,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

Phase Dimmable

COMPATIBLE WITH MEDM LEDSMART+

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	DIMMING
ORN16W3/4/6KDG3	16W	1300/ 1400/ 1400	95lm/W	4000K/ 5000K/ 6000K	80	Phase
ORN23W3/4/6KDG3	16W	1300/ 1400/ 1400	95lm/W	4000K/ 5000K/ 6000K	80	Phase
	23W	1800/ 2000/ 1900	95lm/W	4000K/ 5000K/ 6000K	80	Phase
ORN23W3/4/6KSG3 (Sensor)	16W	1300/ 1400/ 1400	95lm/W	4000K/ 5000K/ 6000K	80	-
	23W	1800/ 1900/ 1900	95lm/W	4000K/ 5000K/ 6000K	80	-

ORN16W3/4/6KDG3

ORN23W3/4/6KDG3
ORN23W3/4/6KSG3

Slimline Colour Select LED Oyster

COLOUR SELECT

This low profile LED Oyster comes with quick fit mounting bracket and integral control gear.

- One-box solution with 3-in-1 colour temperature
- Aesthetically pleasing with a sleek and slimline form factor
- Easy to install with a large terminal block

Applications

Commercial, residential, hospitality

IP54 Ingress Protection Rating

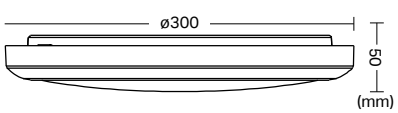
3 Year Warranty

54,000hr Lifetime (L70B50)

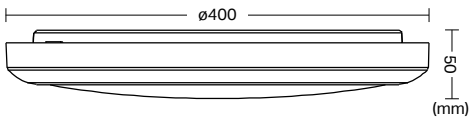
Ta40 Operational Temperature Rating

Phase Dimmable

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	DIMMING
SLMOYS183/4/6K	18W	1500/ 1550/ 1600	90lm/W	3000K/ 4000K/ 6500K	>80	Phase
SLMOYS273/4/6K	27W	2300/ 2400/ 2400	90lm/W	3000K/ 4000K/ 6500K	>80	Phase



SLMOYS183/4/6K



SLMOYS273/4/6K

OBL Mini LED 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
Ingress Protection Rating

3 Year
Warranty

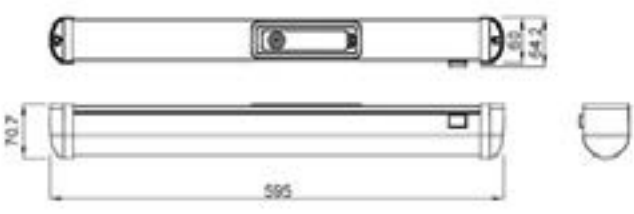
54,000hr
Lifetime (L70B50)

Ta45
Operational Temperature Rating

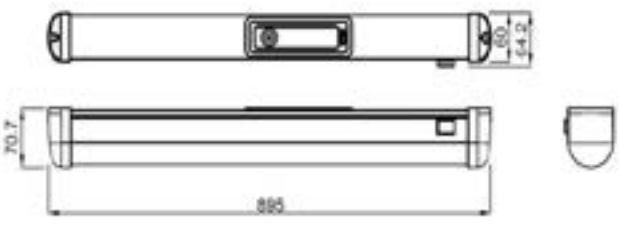
Non-
Dimmable

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT*	CCT	CRI
OBL600	10W	1000lm	> 100lm/W	3000K/4000K	>80
	15W	1680lm	> 100lm/W	3000K/4000K	>80
OBL900	15W	1700lm	> 113lm/W	3000K/4000K	>80
	20W	2100lm	> 105lm/W	3000K/4000K	>80

*Based on 4000K



OBL600



OBL900

Eco LED Batten Gen 3

COLOUR SELECT

LUMEN SELECT™

The ECO LED Batten Gen 3 is a one box solution with Colour and Lumen Select across the range.

- 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

4 Year Warranty

54,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

Non- Dimmable

IK06 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	ENERGY SCHEME
ECOBAT404ECSLS	36W/18W/ 25W/30W	3600lm/2180lm/ 2700lm/3200lm	100lm/W /121lm/W /108lm/W /106lm/W	4000K/ 5000K/ 6500K	>80	IPART VEU REES

ACCESSORY CODE	DESCRIPTION
WG4	Wireguard 1200M c/w brackets

ECOBAT404ECSLS

Eco LED Colour Select Batten
(comes with Integrated Sensor)

COLOUR SELECT

Designed with the professional installer in mind, the ECO LED Batten is easy to install with quick connect driver one piece sealed LED module.

- One-box solution with 3-in-1 colour temperature
- Easy to wire with central and side cable access
- Integrated HF sensor with on/off switching based on movement

Applications

Commercial, residential, hospitality

IP20 Ingress Protection Rating

4 Year Warranty

54,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

Non- Dimmable

IK06 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI
ECOBAT404ECSD (HF Sensor)	40W	4300	100lm/W	4000K/ 5000K/ 6500K	>80

ACCESSORY CODE	DESCRIPTION
WG4	Wireguard 1200M c/w brackets

SENSOR SPECIFICATION*	
Sensor type	High frequency sensor
Detection zone	Max: 10m (Ø) x 6m (H)
Sensitivity settings	Select from 4 options; 100%, 75%, 50%, 10%
Hold-time	Select from 4 options; 5s, 90s, 5min, 15min
Light level sensitivity settings	Select from 4 options; 2 Lux, 10 Lux, 50 Lux, disable

ECOBAT404ECSD

*Applicable to ECOBAT404ECSD HF Sensor variation only.

Nipper LED Batten (wide body)

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 wide 130mm width 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

4 Year Warranty

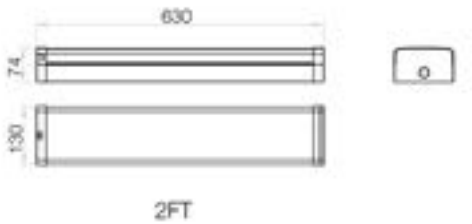
54,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

Non- Dimmable

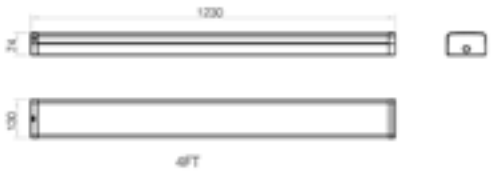
CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/WATT*	CCT	CRI
NIPBAT202ECS	18W	1700/1900/ 1700	> 94lm/W	4000K/ 5000K/ 6500K	>80
NIPBAT404ECSLS	18W/25W/ 30W/36W	2200/2890/ 3300/3860	>110lm/W	4000K/ 5000K/ 6500K	>80

*Based on 4000K



2FT

NIPBAT202ECS



NIPBAT404ECSLS

BWP Eco LED Weatherproof Batten Gen 2

COLOUR SELECT

LUMEN SELECT™

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 (L70B50)

50,000hr Lifetime (L70B50) for BWPECO 404ECSLSS

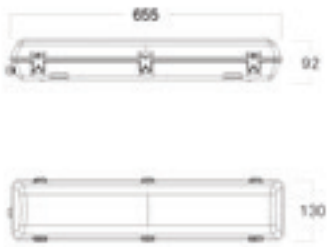
Ta40 Operational Temperature Rating

Non- Dimmable

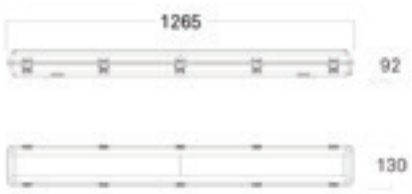
IK08 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN*	LUMEN/ WATT*	CCT	CRI	DIMMING	ENERGY SCHEME
BWPECO202ECS	18W	2100	116lm/W	3000K/4000K/ 6000K	>80		• IPART • VEU • REES
BWPECO404ECSLS	20W/27W/ 33W/40W	5200	117lm/W	3000K/4000K/ 6000K	>80		• IPART • VEU • REES
BWPECO505ECS	52W	5900	113lm/W	3000K/4000K/ 6000K	>80		• IPART • VEU • REES
BWPECO404ECSS	40w	4700lm	117	3000k/4000k/ 6000k	80	Tri-Level Sensor	• IPART • VEU • REES

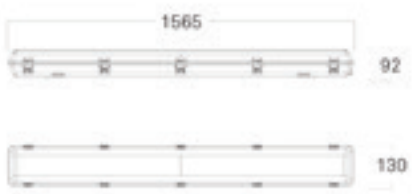
*Based on 3000K



BWPECO202ECS



BWPECO404ECSLS
BWPECO404ECSS



BWPECO505ECS

Vandaled CS

COLOUR SELECT

The Vandaled CS is a robust weatherproof batten, 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 opalized diffuser

Applications

Walkways, schools, mining camps, public amenities

IP65 Ingress Protection Rating

5 Year Warranty

60,000hr Lifetime (L70B50)

Ta0-50 Operational Temperature Rating

IK10 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	ENERGY SCHEME
VLED20ECS	20W	2276/2407	120lm/W	3000K/ 4000K	>80	• IPART • VEU

VLED20ECS

Carlton Colour Select LED Bunker

COLOUR SELECT

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

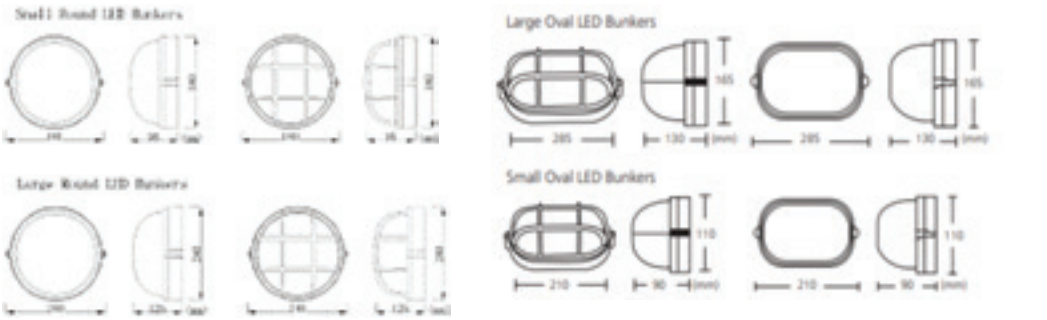
30,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

Non- Dimmable

IK04 Impact Rating

CODE	SYSTEM WATTAGE	LUMEN	LUMEN/ WATT	CCT	CRI	DIMENSIONS	HOUSING COLOUR
CB2746466	9W	650	70lm/W	3000K, 4000K, 6000K	>80	180mm x 95mm	Black
CB2746870	14.5W	1100	75lm/W	3000K, 4000K, 6000K	>80	240mm x 125mm	Black
CB2746567	9W	650	70lm/W	3000K, 4000K, 6000K	>80	180mm x 95mm	White
CB2746971	14.5W	1100	75lm/W	3000K, 4000K, 6000K	>80	240mm x 125mm	White
CB2747274	9W	575	72lm/W	3000K, 4000K, 6000K	>80	210mm x 110mm x 90mm	Black
CB2747678	14.5W	996	76lm/W	3000K, 4000K, 6000K	>80	285mm x 165mm x 130mm	Black
CB2747375	9W	575	72lm/W	3000K, 4000K, 6000K	>80	210mm x 110mm x 90mm	White
CB2747779	14.5W	996	76lm/W	3000K, 4000K, 6000K	>80	285mm x 165mm x 130mm	White



Sirroco II LED 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 Ingress Protection Rating

3 Year Warranty

30,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

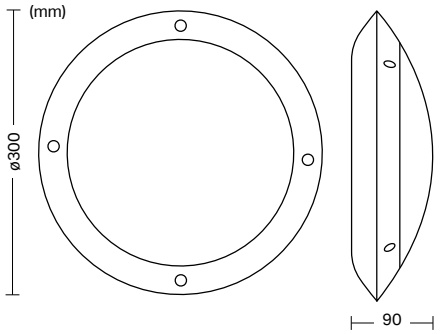
Non- Dimmable

IK10 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	DIMENSIONS	HOUSING COLOUR
CBH49287WH	12W	1000	80lm/W	4000K	>80	300mm x 90mm	White
CBH49285BK	12W	1000	80lm/W	4000K	>80	300mm x 90mm	Black
CBH49289BKSEN (HF Sensor)	12W	1000	80lm/W	4000K	>80	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.



CBH49289BKSEN
CBH49285BK
CBH49287WH

Julux LED 2 Bulkhead

Classic design with an Opal prismatic polycarbonate cover.

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

Applications

Commercial, healthcare, residential

IP65 Ingress Protection Rating

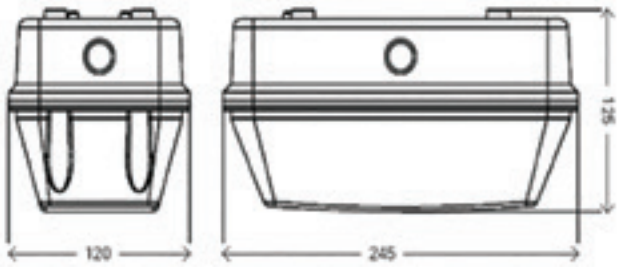
1 Year Warranty

35,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

Non- Dimmable

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI
JULUXLED2	9W	660	70lm/W	6000K	>70



JULUXLED2

Maxi Master Gen II LED Floodlight

Pierlite Maxi Master LED 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

Industrial, carparks
Optics: S = Symmetric, A = Asymmetric

IP65 Ingress Protection Rating

5 Year Warranty

50,000hr Lifetime (L70B50)

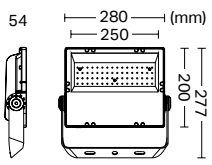
Ta40 Operational Temperature Rating

Non- Dimmable

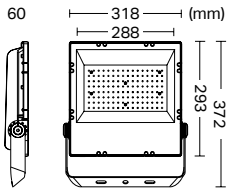
IK08 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI	ENERGY SCHEME
MML50S	50W	5250	100lm/W	4000k	>80	IPART VEU REES
MML100S	100W	12000	120lm/W	4000K	>80	IPART VEU REES
MML200S	200W	24000	120lm/W	4000K	>80	IPART VEU REES
MML300S	300W	36000	120lm/W	4000K	>80	IPART VEU REES
MML100A	100W	12000	110lm/W	4000K	>80	IPART VEU REES
MML200A	200W	22000	110lm/W	4000K	>80	IPART VEU REES
MML300A	300W	33000	110lm/W	4000K	>80	IPART VEU REES

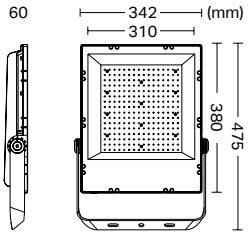
ACCESSORY CODE	DESCRIPTION
MML50WG	50W Maxi Master wire guard
MML100WG	100W Maxi Master wire guard
MML200WG	200W Maxi Master wire guard
MML300WG	300W Maxi Master wire guard



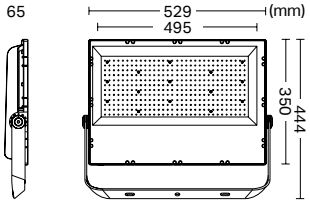
MML100S



MML100S



MML200S



MML300S

Shadoweco LED Floodlight

COLOUR SELECT

LUMEN SELECT™

The Pierlite SHADOWECO LED Floodlight is available in 15W/30W, 50W, 100W and 200W options giving you the general floodlighting ability to illuminate industry & light commercial areas.

- One box solution with colour select and lumen select available
- Textured tempered glass to minimize glaze, 316 grade stainless steel screws
- Black powder coated and made of LM6 die-cast aluminium ideal for harsh outdoor conditions

Applications

Residential, commercial, industrial

IP65 Ingress Protection Rating

3 Year Warranty

25,000hr Lifetime (L70B50) *30W & 50W

50,000hr Lifetime (L70B50) *100W & 200W

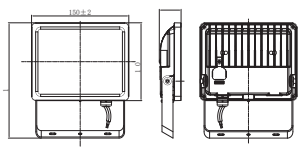
Ta40 Operational Temperature Rating

Non- Dimmable

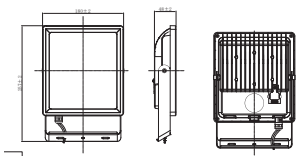
IK06 Impact Rating *30W & 50W

IK08 Impact Rating *100W & 200W

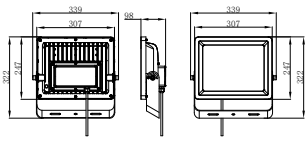
CODE	SYSTEM WATTAGE	LUMEN	LUMEN/ WATT	CCT	CRI	ENERGY SCHEME
SHADOWECO30CSLS	15W/30W	2900	100lm/W	3000K/4000K/6500K	>80	
SHADOWECO50CS	50W	5290	100lm/W	3000K/4000K/6500K	>80	
SHADOWECO100CS	100W	10000	100lm/W	3000K/4000K/5000K	>80	• IPART • VEU • REES
SHADOWECO200CS	200W	20000	100lm/W	3000K/4000K/5000K	>80	• IPART • VEU • REES



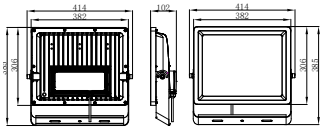
SHADOWECO30CSLS



SHADOWECO50CS



SHADOWECO100CS



SHADOWECO200CS

Hornet LED Floodlight

The Pierlite award winning LED floodlight brings the best performance and design in a compact, slimline package.

- Adjustable head 300˚ horizontal, 200˚ vertical with flexibility to direct the light (up/down/sideways)
- Complete with 1m lead for easy installation
- Retro-fit accessory included for easy installation onto existing floodlight mounting points

Applications

Commercial, residential, hospitality

IP66 Ingress Protection Rating

3 Year Warranty

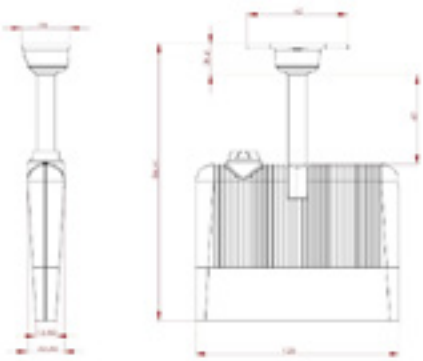
30,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

Non- Dimmable

IK07 Impact Rating

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI
CFL20840	20W	1600	80lm/W	4000K	>80
CFL20830*	20W	1600	80lm/W	3000K	>80



Eco LED Emergency Batten Gen 4

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 (L70B50)

Ta0-40 Operational Temperature Rating

Non- Dimmable

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI
ECOBAT202ECSLSG4M	11W/14W/ 16W/18W	1100/1400/ 1600/1900	110lm/W	4000K/5000K/6500K	80
ECOBAT404ECSLSG4M	18W/25W/ 30W/36W	2300/3000/ 3500/4000	110lm/W	4000K/5000K/6500K	80

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

ECOBAT202ECSLSG4M

ECOBAT404ECS/ME

Nipper LED Emergency Batten

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)

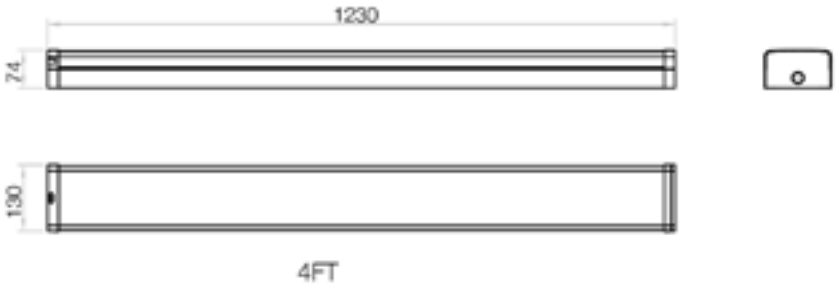
54,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

Non- Dimmable

CODE	SYSTEM WATTAGE	LUMEN	LUMEN/WATT	CCT	CRI
NIPBAT404ECSLME	18W/25W/ 30W/36W	2200/2890/ 3300/3860	>110lm/W	4000K/5000K/6500K	>80

*Based on 4000K



NIPBAT404ECSLME

BWP Eco Colour Select LED Emergency Weatherproof Batten

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

COLOUR SELECT

LUMEN SELECT™

- 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

Applications

Commercial, industrial

IP65 Ingress Protection Rating

3 Year Warranty (including battery)

54,000hr Lifetime (L70B50)

50,000hr Lifetime (L70B50) for BWPECO 404ECSEMS

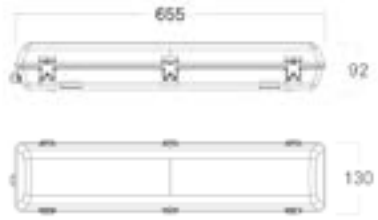
Ta40 Operational Temperature Rating

Non- Dimmable

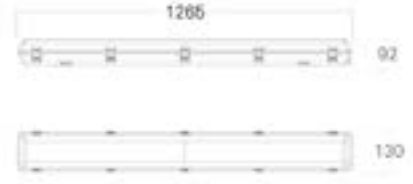
IK08 Impact Rating

CODE	SYSTEM WATTAGE	LUMEN	LUMEN/WATT	CCT	CRI	DIMMING	ENERGY SCHEME
BWPECO202ECSEM	20W	2100	105lm/W	3000K/4000K/6000K	>80		• IPART • VEU
BWPECO404ECSEM	40W	4700	117lm/W	3000K/4000K/6000K	>80		• IPART • VEU
BWPECO505ECSEM	52W	5900	113lm/W	3000K/4000K/6000K	>80		• IPART • VEU
BWPECO404ECSEMS	40w	4700lm	117lm/W	3000k/4000k/6000k	>80	Tri-Level Sensor	• IPART • VEU

*Based on 3000K



BWPECO202ECSEM



BWPECO404ECSEM
BWPECO404ECSEMS

BWPECO505ECSEM

Director 2 LED 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 (L70B50)

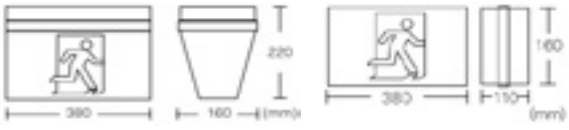
Ta40 Operational Temperature Rating

Non- Dimmable

24m Viewing Distance

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

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



DIRLEDPDSL DIRLEDPSSL

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 LED 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 (L70B50)

Ta40 Operational Temperature Rating

Non- Dimmable

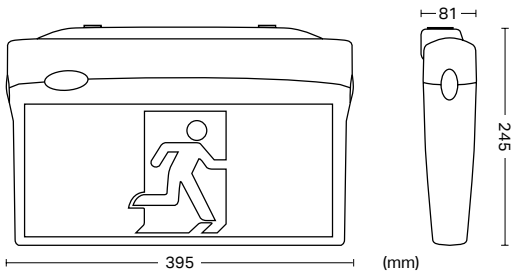
24m Viewing Distance

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



STLED-L
STTLED-L

Firefly 2 LED 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)

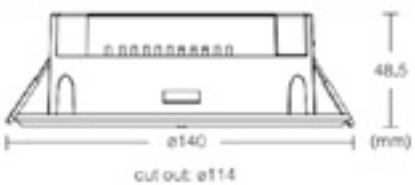
50,000hr
Lifetime (L70B50)

Ta40
Operational Temperature Rating

Non-
Dimmable

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



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 LED Emergency

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

- High luminous efficacy to maximize 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)

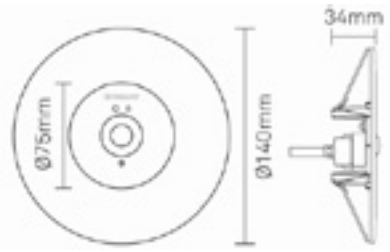
50,000hr
Lifetime (L70B50)

Ta40
Operational Temperature Rating

Non-
Dimmable

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)

Guardian 2 LED 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)

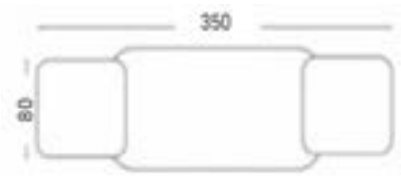
50,000hr Lifetime (L70B50)

Ta40 Operational Temperature Rating

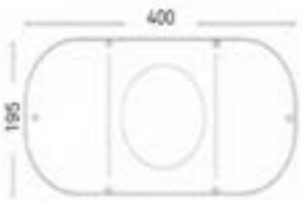
Non- Dimmable

CODE	SYSTEM WATTAGE	EXIT LUMEN	LUMEN/WATT	CCT	CRI
GRLED7FL-L	4W	616	100lm/W	4000K	>80

ACCESSORY CODE	DESCRIPTION
GRWPENCL	IP65 enclosure
DGLCEM3200/2L12	BATTERY LIFEP04 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

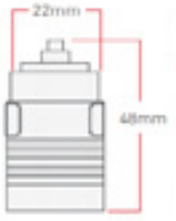
IP20
Ingress Protection Rating

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



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

MMDM/RT MMSW/PB

MMDM/PB MMTH/PB MMTMPB

Applications

Commercial, residential, hospitality

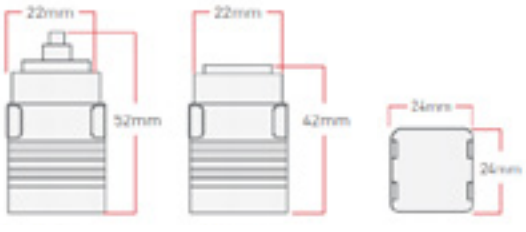
IP20 Ingress Protection Rating

2 Year Warranty

Ta50 Operational Temperature Rating

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
MMTM/PB	Push button minute 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



MMDM/RT

MMDM/PB MMSW/PB MMTH/PB MMTM/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

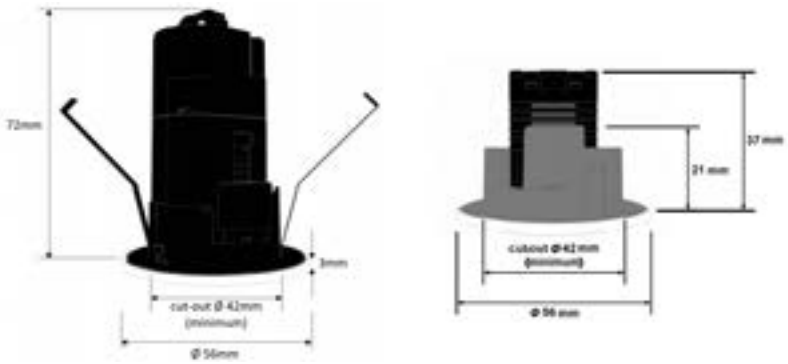
Commercial, residential, hospitality

IP20
Ingress Protection Rating

2 Year
Warranty

Ta50
Operational Temperature Rating

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



MMSE/PR

LEDsmart+™ Digital Level Display

This device can be used in conjunction with a dimmer to display the current dimmed level via a circular array of 16 LED's and fits into a standard Australian wall plate aperture.

- 2-wire device – connects to active and load only, no neutral connection required
- Plain white front face or alternative front face with light globe icon
- Includes alternative light pipes to change the LED indicator display colour from white to orange, green or blue

Applications

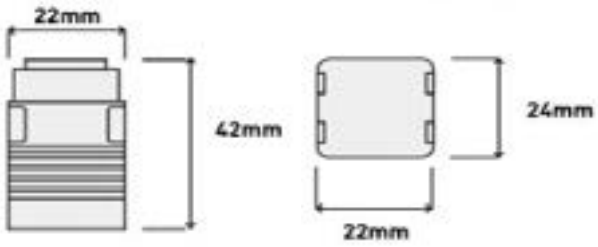
Commercial, residential, hospitality

IP20
Ingress Protection Rating

2 Year
Warranty

Ta50
Operational Temperature Rating

CODE	DESCRIPTION
MMDM/DD	LEDsmart+ digital level display



MMDM/DD

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
Ingress Protection Rating

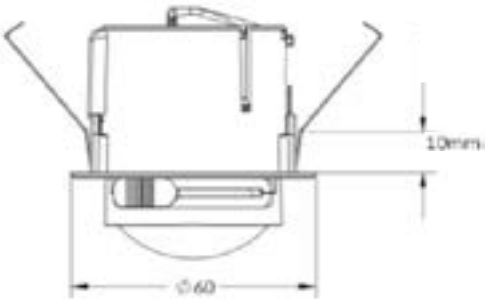
2 Year
Warranty

50,000hr
Lifetime

Ta50
Operational Temperature Rating

54mm
Cut-Out

CODE	DESCRIPTION
SMARTSCAN2	360˚ PIR sensor with two channel 16A sensor control module



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

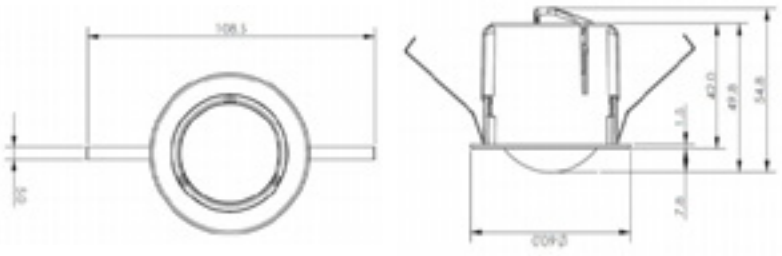
IP20 Ingress Protection Rating

2 Year Warranty

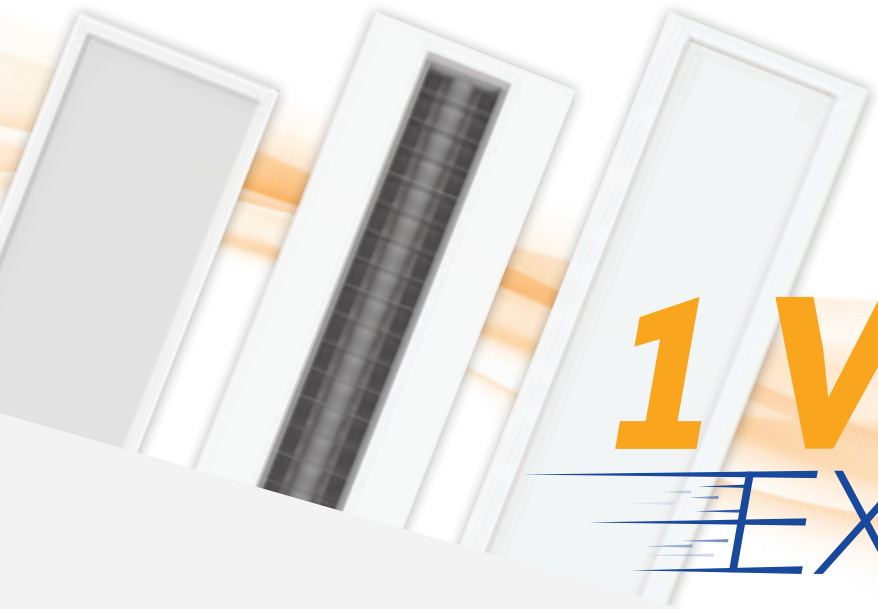
Ta50 Operational Temperature Rating

52mm Cut-Out

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



DGMSMARTSCAN1HD



TOP SELLERS NOW AVAILABLE IN ONLY

1 WEEK EXPRESS*

BRINGING THE BEST INNOVATIONS TO YOU AT THE SPEED YOU NEED.

Whether you're supplying for a non-scheduled project, sourcing for last minute replacements or disappointed with missed deliveries, Pierlite's 1 WEEK EXPRESS* offer is here to support your needs.

- No additional charges
- No add-ons
- No minimum order

Contact us at **1300 799 300** or visit **pierlite.com.au** to find out more.

*Products will be available for dispatch from NSW in 1 week. Does not take into consideration freight. Selected product models only.

PIERLITE®

PIERLITE.COM.AU

PIERLITE

INDEX

Downlights

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
CRYSECO1G2	-	IP20	4
CRYSECO5G2	-	IP20	4
DLP53/4/65FWG3	● IPART ● VEU ● REES	IP44	5
DLP63/4/65FWG3	● IPART ● VEU ● REES	IP44	5
CNX63/4/65B CNX63/4/65W	-	IP44/ IK03	6
PLUX63/4/6KP	● IPART ● VEU ● REES	IP44	7
PLUX83/4/6K	● IPART ● VEU ● REES	IP44	7
PLUX43/4/6K	● IPART ● VEU ● REES	IP44	7

Panels

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
ECOPL063CSEG2	-	IP40	8
ECOPL066CSEG2	-	IP40	8
ECOPL1234EG2	-	IP40	8
ECOPL1234UG19	-	IP40	8
ECOPL123CSEG2	-	IP40	8

Highbays

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
ECOHB-120W850G6	● IPART ● VEU ● REES	IP65/ IK08	9
ECOHB-200W85LSG2	● IPART ● VEU ● REES	IP65/ IK08	9
ECOHBSFHF	-	IP65	10

Oysters

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
ORN16W3/4/6KDG3	-	IP54	11
ORN23W3/4/6KDG3	-	IP54	11
ORN23W3/4/6KSG3	-	IP54	11
SLMOYS183/4/6K	-	IP54	12
SLMOYS273/4/6K	-	IP54	12

Battens

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
OBL600	-	IP44	13
OBL900	-	IP44	13
ECOBAT404 ECSLS	● IPART ● VEU ● REES	IP20/ IK06	14
ECOBAT404ECSD	-	IP20/ IK06	15
NIPBAT202ECS	-	IP20	16
NIPBAT404ECSLS	-	IP20	16
BWPECO 404ECSLS	● IPART ● VEU ● REES	IP65/ IK08	17
BWPECO505ECS	● IPART ● VEU ● REES	IP65/ IK08	17
BWPECO404ECSS	● IPART ● VEU ● REES	IP65/ IK08	17

Bunkers & Bulkheads

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
VLED20ECS	● IPART ● VEU	IP65/ IK10	18
CB2746870	-	IP54/ IK04	19
CB2746466	-	IP54/ IK04	19
CB2746971	-	IP54/ IK04	19
CB2746567	-	IP54/ IK04	19
CB2747274	-	IP54/ IK04	19
CB2747678	-	IP54/ IK04	19
CB2747375	-	IP54/ IK04	19
CB2747779	-	IP54/ IK04	19
CBH49289BKSEN	-	IP66/ IK10	20
CBH49285BK	-	IP66/ IK10	20
CBH49287WH	-	IP66/ IK10	20
JULUXLED2	-	IP65	21

Floodlights

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
MML50S	● IPART ● VEU ● REES	IP65/ IK08	22
MML100S	● IPART ● VEU ● REES	IP65/ IK08	22
MML200S	● IPART ● VEU ● REES	IP65/ IK08	22
MML300S	● IPART ● VEU ● REES	IP65/ IK08	22
SHADOWECO 30CSLS	-	IP65/ IK06/08	23
SHADOWECO 50CS	-	IP65/ IK06/08	23
SHADOWE-CO100CS	● IPART ● VEU ● REES	IP65/ IK06/08	23
SHADOWE-CO200CS	● IPART ● VEU ● REES	IP65/ IK06/08	23
CFL20840	-	IP66/ IK07	24
CFL20830	-	IP66/ IK07	24

Emergency/Exit Lights

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
ECOBAT 202ECSLSG4M	-	IP20/ IK06	25
ECOBAT 404ECSLSG4M	-	IP20/ IK06	25
NIPBAT 404ECSLME	-	IP20	26
BWPECO2 02ECSEM	● IPART ● VEU	IP65/ IK08	27
BWPECO 404ECSEM	● IPART ● VEU	IP65/ IK08	27
BWPECO 505ECSEM	● IPART ● VEU	IP65/ IK08	27
BWPECO 404ECSEMS	● IPART ● VEU	IP65/ IK08	27
DIRLEDPDSL	-	IP20	28
DIRLEDPSSL	-	IP20	28
STLED-L	-	IP20	29
STTLED-L	-	IP20	29
FFRLED2 (White)	-	IP20	30
FFRLEDBK2 (Black)	-	IP20	30
PFDLED-ECO	-	IP20	31
PFDLED-ECO-SF	-	IP20	31
PFLED-ECO	-	IP20	31
PFLED-ECO-SF	-	IP20	31
GRLED7FL-L	-	IP20	32

Dimmers & Sensors

CODE	ENERGY SCHEME	IP/IK RATING	PAGE
MEDM	-	IP20	33
MMDM/RT	-	IP20	34
MMDM/PB	-	IP20	34
MMSW/PB	-	IP20	34
MMTH/PB	-	IP20	34
MMTM/PB	-	IP20	34
MMSE/PR	-	IP20	35
MMDM/DD	-	IP20	36
SMARTSCAN2	-	IP20	37
DGSMARTSCAN-1HD	-	IP20	38

ENERGY SAVINGS SCHEME

Energy saving schemes are financial incentives introduced by state government to encourage businesses to retrofit or select energy efficient LED products in their facilities.

Majority of Pierlite products are approved by the respective schemes. Look out for the icons next to the product codes.

● IPART

Independent Pricing and Regulatory Tribunal (NSW)

● VEU

ESSENTIAL SERVICES COMMISSION

Victorian Energy Upgrades (VIC) (formerly VEET)

● REES

ESSENTIAL SERVICES COMMISSION of South Australia

Victorian Energy Upgrades (SA)

Ingress protection ratings (IP) Defined by IEC 60598

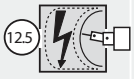
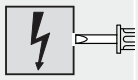
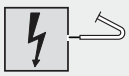
The resistive performance of fittings to solids and liquids is indicated by the IP (Ingress Protection) prefix followed by two numbers.

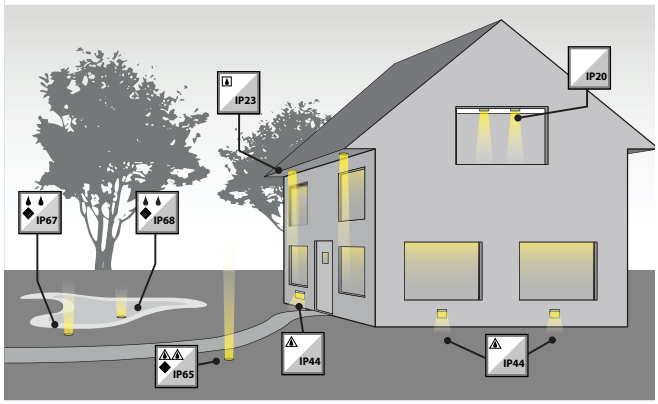
The first number indicates the measure of protection against the ingress of solids. For instance: **IP2X**

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

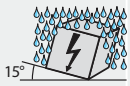
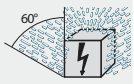
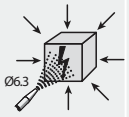
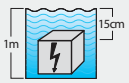
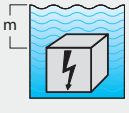
Ingress Protection (IP) Specification Guide

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 & 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 & 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

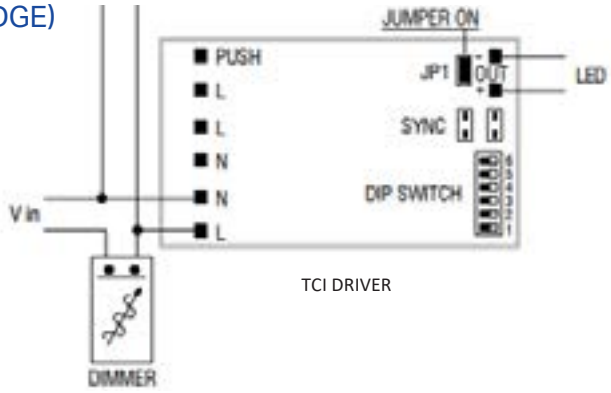
- Suitable for commercial use only
- *Not suitable for use in residential* dwellings or other places where insulation may be installed now or in the future
- *Not tested* for use with building insulation

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.



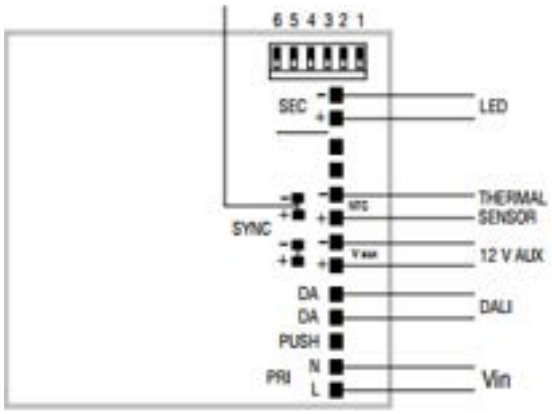
TCI DRIVER

Additional 2-Core LV control cable is required.

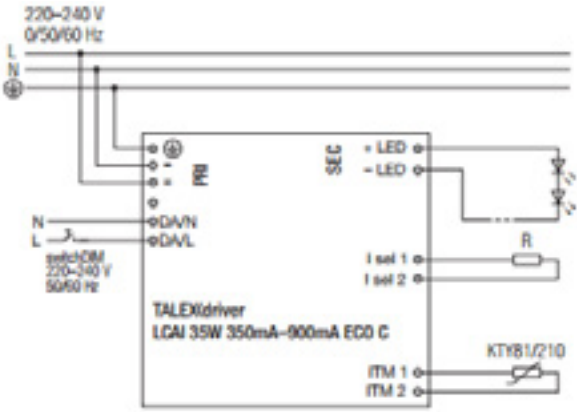
- Dedicated 1-10V interface or potentiometer is required to control this driver
- Available in out-puts ranging from 350mA – 1400mA

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

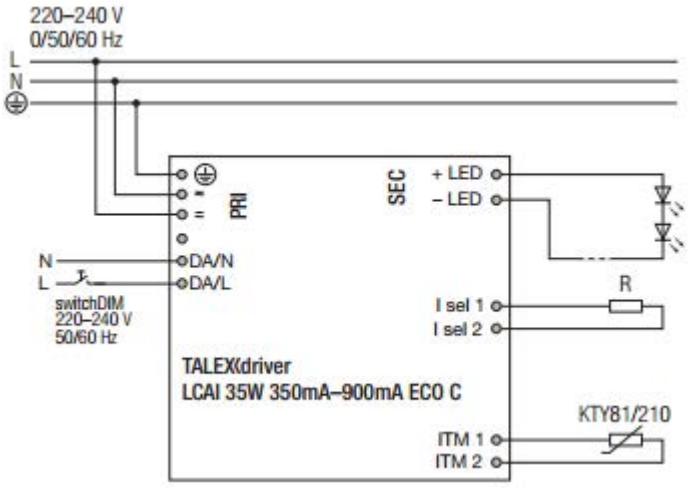


TRIDONIC DRIVER

- 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

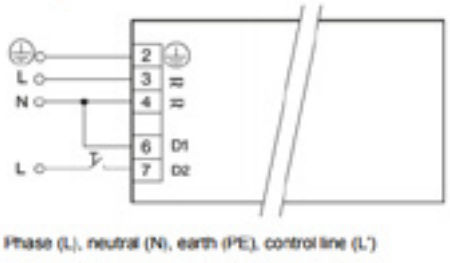
- Additional 2-Core control cable is required.
- Dedicated Control System is required to control the system
- Available in out-puts ranging from 350mA – 1400mA

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.

Four-pole wiring

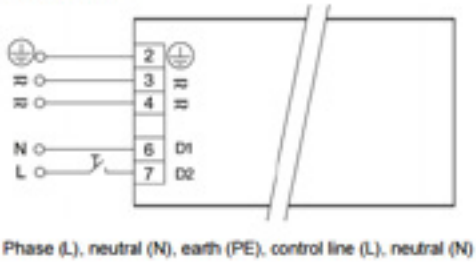
Configuration:



TRIDONIC DRIVER

Five-pole wiring

Configuration:



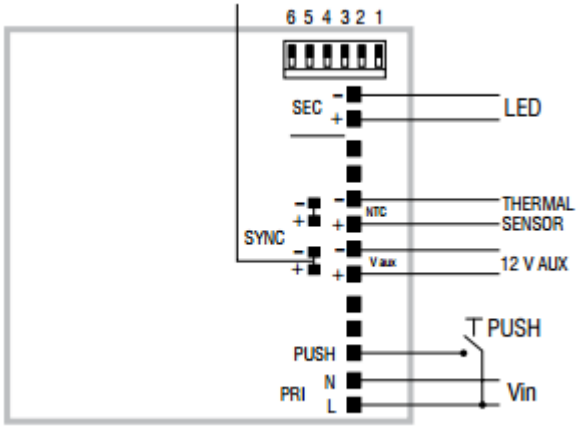
TRIDONIC DRIVER

- 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.



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)!

PIERLITE®

INNOVATION CENTRE

TESTING THE LIMITS OF LIGHTING IN AUSTRALIA

The Pierlite 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.

Pierlite 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 Pierlite 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 Pierlite sales representation for more information.

PIERLITE®

1300 799 300 | PIERLITE.COM.AU

Pierlite is a division of Signify Innovations Australia Pty Ltd Copyright Pierlite 2023. Signify Innovations Australia Pty Ltd and all directly related legal entities reserve the right to alter the specifications, designs or other features of any items herein and to discontinue any items at any time without notice and without liability.

Lighting Council AUSTRALIA MEMBER

Lighting Council NEW ZEALAND™ MEMBER