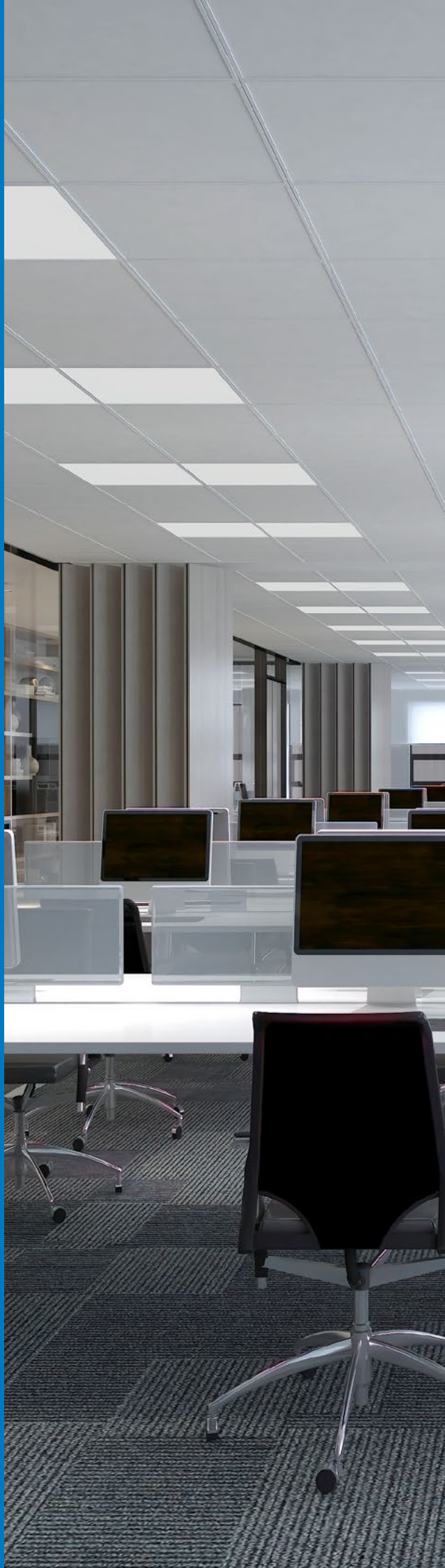
PHILIPS

SmartBright



2026 Range

a lighting brand of signify

Simply **SmartBright**

Times are changing, installers have less time on site to get the job done, margin pressures and the ever-changing customer demands.

The new SmartBright range has been specifically designed to address these concerns giving you the installer all the innovative features that will make a daily difference on site.

We carefully listened to Kiwi contractors and built a modular range packed with features specific to each fitting that greatly simplifies the selection, installation, and commissioning of your projects. Offering a 3-5 year warranty depending on specific products.

Take our new Highbay, there is precisely ONE part number, product selection has never been simpler! It is a Colour Select, lumen select Highbay with an optional motion sensor in a high quality 50Khr, 5yr warranty package.

Work Smarter by choosing Smartbright.

Trusted

SmartBright builds on 130 years of expert leadership in the lighting industry to deliver a fitting that you can rely on to deliver on your customer requirements.

Reliable

With nearly 80 years in lighting in New Zealand we know a thing or two about the harsh Kiwi conditions, so we built the SmartBright range to go the distance and work year in and year out.

$ Great value

We listened to you the contactor, so we only built in the features that make a difference and took out the ones that don’t resulting in concise compact range that maximises the opportunity of every fitting.

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Downlight
DN029





Phase Dimming

IP44

The SmartBright G2 downlight series provides you with the flexibility to select the perfect colour temperature for your installation. With integrated trailing/leading edge dimming capability, this affordable and easy to install fitting delivers high energy savings without compromising on light quality.

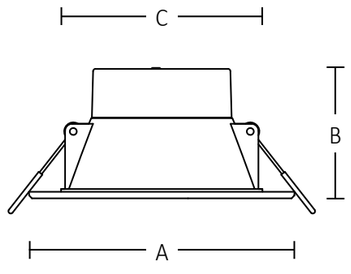


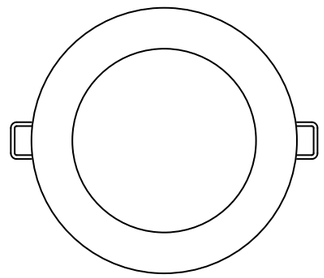
Product data

- Lumen maintenance: L70 30,000hrs
- LED: Colour Select 3000K/4000K/6500K, CRI80
- Beam angle: Symmetrical, 100°
- Driver: Integral, Phase-Cut dimming
- Rating: IC-4/IC-F, IP54 (front)/IP40 (rear), Class II
- Operating temperature: -20°C to +40°C
- Housing: Polybutylene terephthalate (PBT)
- Finishing: White (RAL9003)
- Diffuser/Lens: Polycarbonate (PC), Opal
- Connection: Terminal block or Flex and Plug
- Warranty: 3 year

Features and benefits

- Select from 3 colour temperatures with a slide of the switch
- Trailing/leading edge dimmable for further ambience adjustment
- Neat and professional design finish
- Fast and easy to install - large easy to use terminal block on 0.8m cable
- 3 year warranty / L70 30,000hrs rated life





SIZE	A (MM)	B (MM)	C (MM)	POWER	LUMEN
D90	114	56	90	7.5W	800LM
D120	140	59	120	9W	1000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
7.5W, 800LM, 3000/4000/6500K WHITE 90MM DOWNLIGHT	929002531319	DN029BL8CCT90NZ
9W, 1000LM, 3000/4000/6500K WHITE 90MM DOWNLIGHT	929002531519	DN029BL1CCT12NZ

SmartBright

Deep Recessed Downlight

DNDR



3000K Colour temperature selector 4000K 6500K

Low Glare

IP44

Compatible with MEDM & LEDSMART+ Dimmers

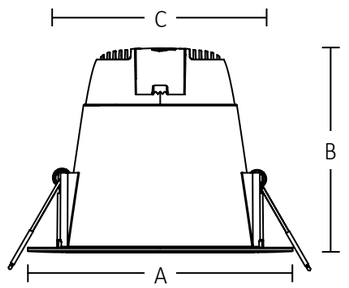
The SmartBright Deep Recessed downlight delivers exceptionally good specification at a very reasonable price point. Featuring a low glare UGR design to be easier on the eyes, as well as a simple and stylish form, the SmartBright Deep Recessed downlight is the perfect solution for both residential and commercial applications due to its excellent lifetime and warranty.

Product data

- Size: Ø90mm (Cut-out), Ø110mm (ceiling plate)
- Lumen maintenance: L70 B10 50,000hrs
- LED: Colour Select 3000K/4000K/6500K, CRI80
- Beam angle: Symmetrical, 60°
- Glare control: UGR19 design
- Driver: Integral, Phase-Cut dimming
- Flicker free: Pst<1, SVM<0.9
- Rating: IC-4/IC-F, IP44 (front)/IP20 (rear), Class II
- Operating temperature: 0°C to +40°C
- Housing: Die-cast aluminium
- Finishing: Matt Black/ Matt White
- Diffuser/Lens: Polycarbonate (PC), Clear, Deep Recessed
- Connection: 180mm cable and terminal block
- Warranty: 5 years

Features and benefits

- Select from three colour temperatures with the slide of a switch (3000K/4000K/6500K)
- Excellent optical performance featuring a 60-degree low glare recessed lens



COLOUR	A (MM)	B (MM)	C (MM)	POWER	LUMEN
WHITE	110	85	90	6.5W	750LM
BLACK	110	85	90	6.5W	650LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
6.5W, 750LM, WHITE TRIM UGR19 LOW GLARE 90MM DOWNLIGHT	919023001458	DNDRLED8D90WH
6.5W, 650LM, BLACK TRIM UGR19 LOW GLARE 90MM DOWNLIGHT	919023001459	DNDRLED7D90BK

SmartBright
Tilt Downlight
DNTLT



3000K Colour temperature selector 4000K 5700K

Phase Dimming

IP54

Compatible with MEDM & LEDSMART+ Dimmers

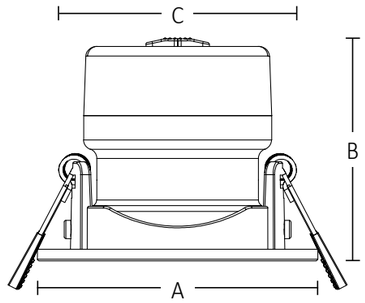
This addition to the SmartBright downlight range adds tilt function to the features, including a 3CCT colour temperature adjustment and increased luminous efficacy of 120lm/w. It retains the SmartBright product-family's characteristics with elegant looks no visible screws and seamless ceiling integration. Utilizing SMD chips along with lens optics results in great controlled light output and bespoke lighting for tastefully designed interiors.

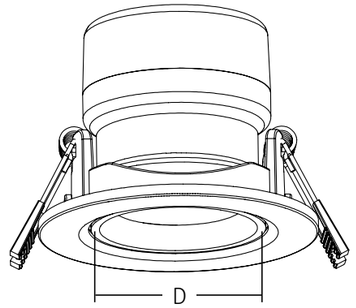
Product data

- Size: Ø70mm and Ø90mm (cut-out) options
- Lumen maintenance: L70 B10 50,000hrs
- LED: Colour Select 3000K/4000K/5700K
- Housing: Die-cast aluminium
- Rating: IC-4/IC-F
- Connection: 0.8m cable and terminal block
- Warranty: 5 year

Features and benefits

- 30° tilt - Accent lighting or create "scallop lighting" on your walls
- Trailing/leading edge dimmable for further ambience adjustment
- Fast and easy to install – large easy to use terminal block on 0.8m cable





COLOUR	A (MM)	B (MM)	C (MM)	D (MM)	POWER	LUMEN
WHITE	85	68	68	48	6W	600LM
BLACK	85	68	68	48	6W	600LM
WHITE	105	74	84	60	9W	900LM
BLACK	105	74	84	60	9W	900LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
6W, 600LM, WHITE TRIM DIM 70MM TILT DOWNLIGHT	919023001470	DNTLTLED6D70BK
6W, 600LM, BLACK TRIM DIM 70MM TILT DOWNLIGHT	919023001471	DNTLTLED6D70WH
9W, 900LM, WHITE TRIM DIM 90MM TILT DOWNLIGHT	919023001472	DNTLTLED9D90BK
9W, 900LM, BLACK TRIM DIM 90MM TILT DOWNLIGHT	919023001473	DNTLTLED9D90WH

SmartBright
Panel
RC170





3-in-1 Lumen Select

Quick Connect Driver

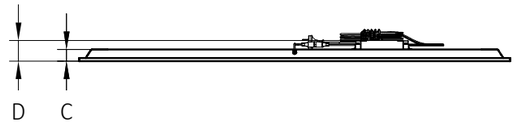
The Philips SmartBright Direct-lit Panel offers an excellent value, tri-colour lighting solution. Available in three sizes to suit a wide variety of standard applications, the range is light, reliable and easy to install, with a range of accessories. The panel's direct-lit design creates a brighter and healthier office environment rendering true and vibrant colors.

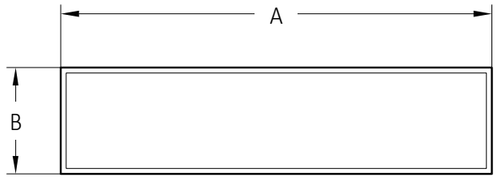
Product data

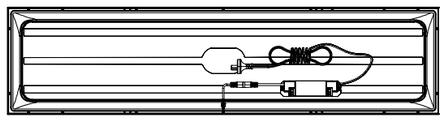
- Lumen maintenance: 50,000hrs
- LED: Colour Select 4000K/5000K/6500K, CRI80
- Beam angle: Symmetrical, Wide beam 120°
- Driver: Remote, Lumen Select, Non dimmable
- Rating: IP20, IK02, Class ll
- Operating temperature: -20°C to +45°C
- Housing: Aluminium frame + metal housing
- Finishing: White (RAL9003), Powder coated
- Diffuser/Lens: Polystyrene (PS), Opal
- Connection: 1.5m Flex and Plug

Features and benefits

- Three standard sizes – 600 x 600mm, 300 x 1200mm and 600 x 1200mm
- Three colour options in one device suiting multiple application environments
- Excellent colour rendering capability – CRI 80+
- Pre-wired with 1.5m cable and plug
- Driver quick connector ensures fast and easy installation







SIZE	A (MM)	B (MM)	C (MM)	D (MM)	POWER1	LUMEN1	POWER2	LUMEN2	POWER3	LUMEN3
300X1200	1195	295	34	59	26W	3400LM	31W	3700LM	34W	4100LM
600X600	595	595	34	59	26W	3400LM	31W	3700LM	34W	4100LM
600X1200	1195	595	34	64	30W	4000LM	34W	4500LM	38W	5000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
300X1200MM 3400/3700/4100 LUMEN SELECT PANEL	911401809687	RC170BG331P3012
600X600MM 3400/3700/4100 LUMEN SELECT PANEL	911401809787	RC170BG331P6060
600X1200MM 4000/4500/5000 LUMEN SELECT PANEL	911401809887	RC170BG331P6012
OPTIONS		
PLASTER KIT FOR DIRECT LIT	911401824580	RCPCK
SUSPENSION KIT FOR DIRECT LIT	911401824680	RCSUS
SURFACE KIT FOR DIRECT LIT W60L60	911401822187	RCSMK66
SURFACE KIT FOR DIRECT LIT W30L120	911401822287	RCSMK312
SURFACE KIT FOR DIRECT LIT W60L120	911401822387	RCSMK66612
SAFETY CABLE FOR DIRECT LIT PANEL	911401824780	RCSC

SmartBright
Slim Batten
BN126



Dual Colour

2-in-1 Lumen Select

Retrofit

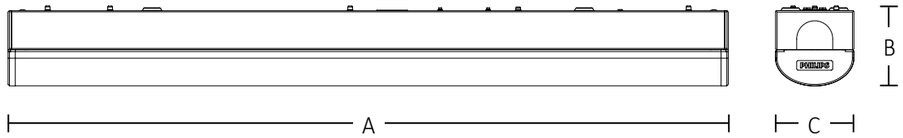
The SmartBright Slim lumen and colour select batten is feature packed with ease of use and flexible installation solutions. Out of the box standard features include a concatenate plate for easy liner solutions, push in terminals for fast installation and a fully detachable sealed LED diffuser chamber.

Product data

- Lumen maintenance: L70 50,000hrs
- LED: Colour Select 4000K/6500K, CRI80
- Beam angle: Symmetrical, Wide beam
- Driver: Integral, Lumen Select, Non dimmable
- Surge protection: 2kV
- Rating: IP20, IK04, Class II
- Operating temperature: -20°C to +40°C
- Housing: Steel
- Finishing: White (RAL9003), Powder coated
- Diffuser/Lens: Polycarbonate (PC), Opal
- Connection: Terminal block
- Warranty: 5 years

Features and benefits

- High Efficiency, up to 139lm/W
- Long lifetime, 50,000hrs and 5yr warranty as standard
- Excellent replacement for T8 and older battens
- Surface mount with no brackets
- In box continuous lighting solution (see image on right)
- Market leading trade batten with SDCM of 3



SIZE	A (MM)	B (MM)	C (MM)	POWER1	LUMEN1	POWER2	LUMEN2
2FT	600	65	65	11W	1500LM	17W	2400LM
4FT	1135	65	65	18W	2500LM	29.5W	4100LM
5FT	1450	65	65	25W	3700LM	43W	6000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
11/17W, 1500/2400LM, 4000K//6500K, 2FT, SLIM BATTEN	911401894988	BN126CCTL242FT
18/29.5W, 2500/4100LM, 4000K/6500K, 4FT, SLIM BATTEN	911401895088	BN126CCTL414FT
25/43W, 3700/6000LM, 4000K/6500K, 5FT, SLIM BATTEN	911401895188	BN126CCTL605FT

SmartBright
Wide Batten
BN132C





2-in-1 Lumen Select

Retrofit

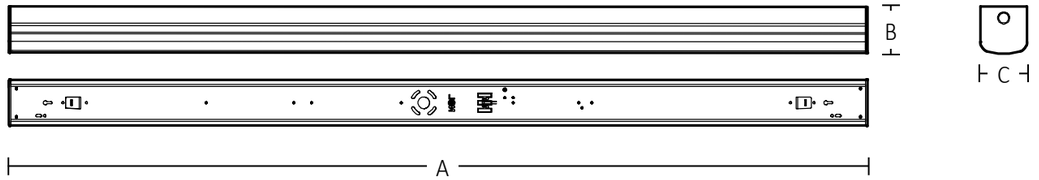
The SmartBright WIDE Batten offers unparalleled flexibility making it suitable for any application. Colour select in either 4000, 5000 or 6500K and lumen selectable from 50% to 100% output in the one handy package makes this the only batten you need for almost any application. The wide base is especially desired in retro fit applications where the wide base covers the footprint of older conventional battens, meaning no repainting of the ceiling!

Product data

- Lumen maintenance: L70 50,000hrs
- LED: Colour Select 4000K/5000K/6500K, CRI80
- Beam angle: Symmetrical, Wide beam
- Driver: Integral, Lumen Select, Non dimmable
- Surge protection: 2kV
- Rating: IP20, IK04, Class II
- Operating temperature: -20°C to +40°C
- Housing: Steel
- Finishing: White (RAL9003), Powder coated
- Diffuser/Lens: Polycarbonate (PC), Opal
- Connection: Terminal block

Features and benefits

- High Efficiency, up to 110lm/W
- Long lifetime, 50,000hrs and 5yr warranty as standard
- Excellent replacement for T8 and older battens
- Surface mount with no brackets



SIZE	A (MM)	B (MM)	C (MM)	POWER1	LUMEN1	POWER2	LUMEN2
2FT	600	80	80	9W	1000LM	18W	2000LM
4FT	1200	80	80	17W	2000LM	35W	4100LM
5FT	1500	80	80	26W	3000LM	52W	6000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
9/18W, 1000/2000LM, 4000K/5000/6500K, 2FT, WIDE BATTEN	911401801684	BN132CW600CCT
17/35W, 2000/4100LM, 4000K/5000/6500K, 4FT, WIDE BATTEN	911401801784	BN132CW1200CCT
26/52W, 3000/6000LM, 4000K/5000/6500K, 5FT, WIDE BATTEN	911401801884	BN132CW1500CCT

SmartBright
Decorative Batten
SM155



Dual Colour

2-in-1 Lumen Select

Retrofit

The SmartBright Decorative batten is feature packed with both lumen and colour select features for maximum flexibility at install time while at the same time presenting an attractive form factor that is the go-to choice for front of house and lighting that is meant to be seen.

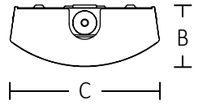
Product data

- Lumen maintenance: L70 100,000hrs
- LED: Colour Select 4000K/6500K, CRI80
- Beam angle: Symmetrical, Wide beam
- Driver: Integral, Lumen Select, Non dimmable
- Surge protection: 2kV
- Rating: IP44, IK04, Class II
- Operating temperature: -20°C to +40°C
- Housing: Steel
- Finishing: White (RAL9003), Powder coated
- Diffuser/Lens: Polycarbonate (PC), Opal
- Connection: Dual Entry Push in Terminals
- Warranty: 5 years

Features and benefits

- High Efficiency, up to 140lm/W
- Long lifetime, 100,000hrs and 5yr warranty as standard
- Excellent replacement for T8 and older battens
- Surface mount with no brackets
- In box continuous lighting solution (see image on right)





SIZE	A (MM)	B (MM)	C (MM)	POWER1	LUMEN1	POWER2	LUMEN2
2FT	602	67	163	12W	1600LM	20W	2700LM
4FT	1160	67	163	20W	3000LM	34W	5000LM
5FT	1440	67	163	24W	3600LM	41W	6000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
12/20W 1600/2700 LM, 4/5/6500K, 2FT, DECO BATTEN	911401826289	SM155600CCT
20/34W 3000/5000LM, 4/5/6500K, 4FT, DECO BATTEN	911401826389	SM1551200CCT
24/41W 3600/6000LM, 4/5/6500K, 5FT, DECO BATTEN	911401826489	SM1551500CCT

SmartBright
Waterproof Batten
WT071 and WT072







2-in-1 Lumen Select

IP65

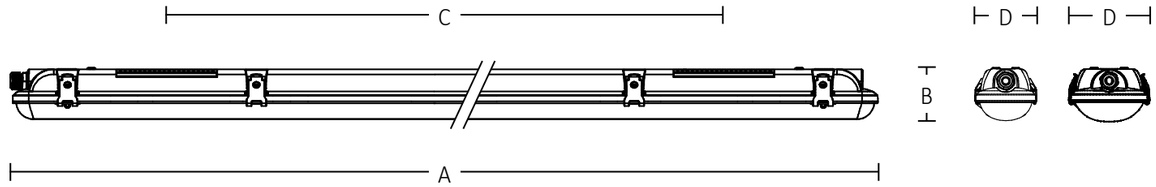
The SmartBright lumen and colour select Waterproof Batten offers unparalleled flexibility making it suitable for any application. Colour select in either 4000, 5000 or 6500K and lumen selectable from 60% to 100% output in the one handy package makes this the only waterproof batten you need for almost any application.

Product data

- Lumen maintenance: L70 50,000hrs
- LED: Colour Select 4000K/5000K/6500K, CRI80
- Beam angle: Symmetrical, Wide beam
- Driver: Integral, Lumen Select, Non dimmable
- Rating: IP65, IK08, Class I
- Operating temperature: -20°C to +40°C
- Housing: Polycarbonate (PC)
- Finishing: Grey
- Diffuser/Lens: Polycarbonate (PC), Opal
- Connection: Terminal block

Features and benefits

- High Efficiency, up to 120lm/W
- Long lifetime, 50,000hrs and 5yr warranty as standard
- Robust design polycarbonate design
- Wide base option for direct replacement of T8 luminaries



SIZE	A (MM)	B (MM)	C (MM)	D (MM)	POWER1	LUMEN1	POWER2	LUMEN2
WT071C 2FT	607	78	210-350	90	10W	1265LM	18W	2000LM
WT071C 4FT	1207	78	660-870	90	20W	2400LM	36W	4000LM
WT071C 5FT	1507	78	960-1170	90	28W	3640LM	50W	6000LM
WT072C 2FT	607	80	210-350	115	10W	1265LM	18W	2000LM
WT072C 4FT	1207	80	660-870	115	20W	2400LM	36W	4000LM
WT072C 5FT	1507	80	960-1170	115	28W	3640LM	50W	6000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
11/18W, 1265/2000LM, 4000K/5000K/6500K, 2FT IP65 SLIM	911401801984	WT071CS600CCT
20/36W, 2400/4000LM, 4000K/5000K/6500K, 4FT IP65 SLIM	911401802084	WT071CS1200CCT
28/50W, 3640/6000LM, 4000K/5000K/6500K, 5FT IP65 SLIM	911401802184	WT071CS1500CCT
11/18W, 1265/2000LM, 4000K/5000K/6500K, 2FT IP65 WIDE	911401802284	WT072CW600CCT
20/36W, 2400/4000LM, 4000K/5000K/6500K, 4FT IP65 WIDE	911401802384	WT072CW1200CCT
28/50W, 3640/6000LM, 4000K/5000K/6500K, 5FT IP65 WIDE	911401802484	WT072CW1500CCT

SmartBright
Highbay
BY240





4000K
Colour temperature selector
4500K
5000K

100W
150W
200W

IP65

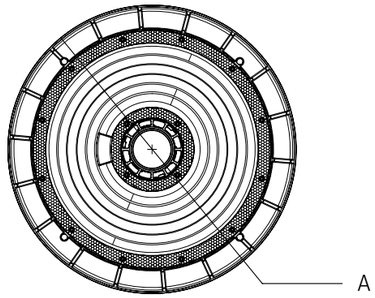
The SmartBright lumen and colour select highbay has an extremely well-rounded set of standard features making it suitable for almost any highbay application. More importantly, one part number does it all, dramatically reducing inventory for you and your customer.

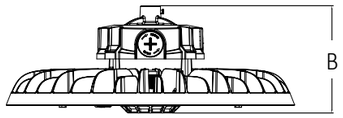
Product data

- Lumen maintenance: 50,000hrs
- LED: Colour Select 4000K/4500K/5000K, CRI80
- Beam angle: Symmetrical, Wide beam
- Driver: Integral, Lumen Select, Non dimmable,
- Rating: IP65, IK07, Class I
- Operating temperature: -30C to +50°C
- Housing: Die-cast aluminium
- Finishing: Dark grey (RAL9005), Powder coated
- Diffuser/Lens: Polycarbonate (PC), Clear, Ribbed
- Connection: 1.8m Flex & Plug
- Warranty: 5 years

Features and benefits

- High Efficiency, up to 140lm/W
- Long lifetime, 50,000hrs and 5yr warranty as standard
- Robust design, diecast housing
- Optional accessories: wall bracket, reflector, motion sensor and programmer
- Daylight regulation functionality (with sensor option)





A (MM)	B (MM)	POWER1	LUMEN1	POWER2	LUMEN2	POWER3	LUMEN3
320	119	100W	14000LM	150W	21000LM	200W	28000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
100,150,200W AND 4000K/4500K/5000K COLOUR SELECT HIGHBAY	911401812887	BY240LED250854WB
OPTIONS		
MOTION AND DAYLIGHT SENSOR	911401813187	BY240SEN
HANDHELD PROGRAMMER FOR MOTION AND DAY LIGHT SETUP (ONE WILL PROGRAM A GROUP OF LUMINARIES)	911401813287	BY240REM
BRACKET FOR WALL MOUNT (U SHAPE)	911401813087	BY240BKRT
REFLECTOR FOR BEAM AND GLARE CONTROL	911401812987	BY240REF

SmartBright

Stealth Surface Oyster

SL280 and SL400





Phase Dimming

IP54



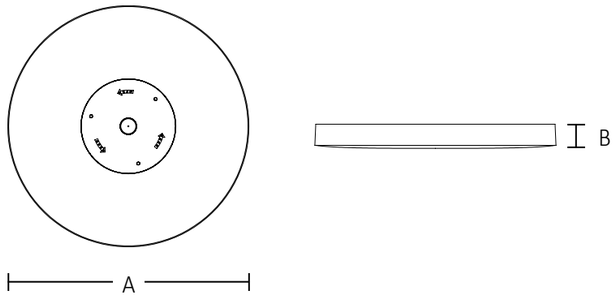
The new SmartBright Stealth surface mount oyster is an excellent choice when a sleek light fitting is needed to compliment a modern clean, minimalist look. Available in two sizes, 280 and 400mm, with an IP54 rating there is a solution for anywhere in the house, from kitchen to bathroom and all the bedrooms in between.

Product data

- Size: Ø280mm / Ø400
- 18/W (2200Lm) / 25W (2900Lm)
- LED: Colour Select 3000K/4000K/5700K
- Operating temperature: 0°C to 40°C
- Warranty: 5 year

Features and benefits

- Efficient 120Lm/W
- Twist lock mounting plate and center rear cable entry
- Phase Dimmable



A (MM)	B (MM)	POWER1	LUMEN1
280	29	19W	2200
400	40	25W	2900

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
19W, 3000K/4000K/5700K WHITE IP54 DIMMABLE OYSTER	919023001466	SL280CS2200LWH
25W, 3000K/4000K/5700K WHITE IP54 DIMMABLE OYSTER	919023001467	SL400CS2900LWH
19W, 3000K/4000K/5700K BLACK IP54 DIMMABLE OYSTER	919023001468	SL280CS2200LBK
25W, 3000K/4000K/5700K BLACK IP54 DIMMBALE OYSTER	919023001469	SL400CS2900LBK

SmartBright
Bulkhead
WL008





White or Silver Trim

IP65

IK06

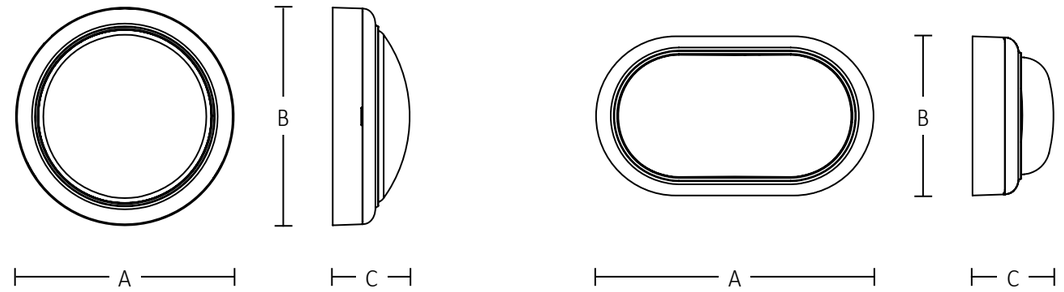
The SmartBright bulkhead is a robust and solid exterior light fitting. With a large terminal block and optional knock-outs, installation is hassle-free and simple.

Product data

- Size: Round, Oval
- Lumen maintenance: L70 30,000hrs
- LED: 4000K, CRI70
- Beam angle: Symmetrical, 110°
- Driver: Integral, Non dimmable
- Rating: IP65, IK06, Class II
- Operating temperature: -20°C to +40°C
- Housing: Polycarbonate (PC)
- Finishing: White, Optional silver trim included
- Diffuser/Lens: Polycarbonate (PC), Opal
- Connection: Terminal block
- Warranty: 3 year

Features and benefits

- Bright and energy efficient
- Optional knock-out, large terminal
- IP65 rated suitable for outdoor use
- Optional silver trim included



SIZE	A (MM)	B (MM)	C (MM)	POWER	LUMEN
ROUND	223	133	68	15W	1000LM
OVAL	182	182	68	15W	1000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
15W, 1000LM, 4000K, FIXED OUTPUT, ROUND	911401892287	WL8LED10NWRDG2G
15W, 1000LM, 4000K, FIXED OUTPUT, OVAL	911401892187	WL8LED10NWOVG2G

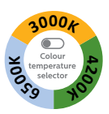
SmartBright
Floodlight
BVP158











IP65

IK08

The SmartBright LED Floodlight builds on the success of the prior generation with the addition of colour selectability, increasing the range of applications it is suitable for. Available in both standard symmetrical wide beam and asymmetrical wide beam, improving practical performance in a number of applications such as sports (reduced glare) and buildings illumination (elimination of pooled water).

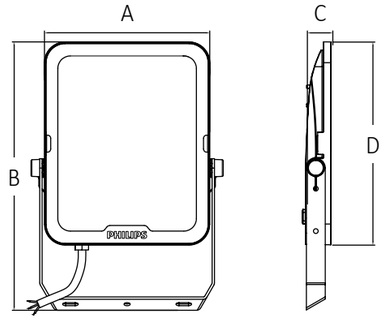
Product data

- Lumen maintenance: 50,000hrs
- LED: Colour Select 3000K/4200K/6500K, CRI80
- Beam angle: Symmetrical/Asymmetrical, Wide beam
- Driver: Integral, Non dimmable
- Surge protection: 2.2kV (20-50W), 4.4kV (70-200W)
- Rating: IP65, IK07 (20-70W), IK08 (100-200W), Class I
- Operating temperature: -25°C to +40°C
- Housing: Die-cast aluminium
- Finishing: Dark grey (RAL7043), Powder coated
- Diffuser/Lens: Tempered glass, Clear
- Connection: 1.0m flying lead
- Warranty: 5 year

Features and benefits

- Security floodlight version available – with or without sensor.
- Robust design, diecast housing, and front glass
- Wide working temperature range: -25°C to +40°C
- Warm White, Neutral White and Cool White in one package via a switch.

A (MM)	B (MM)	C (MM)	D (MM)	POWER	LUMEN
70	130	31	90	10W	1200LM
82	149	31	109	20W	2400LM
117	182	29	145	30W	3600LM
150	232	30	185	50W	6000LM
175	284	33	215	70W	8400LM
185	312	36	244	100W	12000LM
242	409	37	320	150W	18000LM
296	482	39	380	200W	24000LM



Ordering Information

SPECIFICATION	PART NUMBER	SHORT CODE
20W, 2400 LUMEN TRICOLOUR FLOOD, SYMMETRICAL	911401872286	BVP158G33CCT20
30W, 3600 LUMEN TRICOLOUR FLOOD, SYMMETRICAL	911401873286	BVP158G33CCT30
50W, 6000 LUMEN TRICOLOUR FLOOD, SYMMETRICAL	911401874286	BVP158G33CCT50
70W, 8400 LUMEN TRICOLOUR FLOOD, SYMMETRICAL	911401875286	BVP158G33CCT70
100W, 12000 LUMEN TRICOLOUR FLOOD, SYMMETRICAL	911401876286	BVP158G33CCT100
150W, 18000 LUMEN TRICOLOUR FLOOD, SYMMETRICAL	911401877286	BVP158G33CCT150
200W, 24000 LUMEN TRICOLOUR FLOOD, SYMMETRICAL	911401878286	BVP158G33CCT200
27W, 3100 LUMEN TRICOLOUR ASYM	911401881286	BVP1583CT27AWB
45W, 5200 LUMEN TRICOLOUR ASYM	911401882286	BVP1583CT45AWB
65W, 7300 LUMEN TRICOLOUR ASYM	911401883286	BVP1583CT65AWB
90W, 10500 LUMEN TRICOLOUR ASYM	911401884286	BVP1583CT90AWB
135W, 15700 LUMEN TRICOLOUR ASYM	911401885286	BVP1583CT135AWB
180W, 21000 LUMEN TRICOLOUR ASYM	911401886286	BVP1583CT180AWB
10W, 1200 LUMEN TRICOLOUR MDU SYM	911401891286	BVP158MDUCCT10
20W, 2400 LUMEN TRICOLOUR MDU SYM	911401892286	BVP158MDUCCT20
30W, 3600 LUMEN TRICOLOUR MDU SYM	911401892182	BVP158MDUCCT30
50W, 6000 LUMEN TRICOLOUR MDU SYM	910503910159	BVP158MDUCCT50
70W, 8400 LUMEN TRICOLOUR MDU SYM	910503910161	BVP158MDUCCT70

SmartBright
Solar Floodlight
VVP080







3000K Colour temperature selector 6500K 4000K

All-In-One

IP66

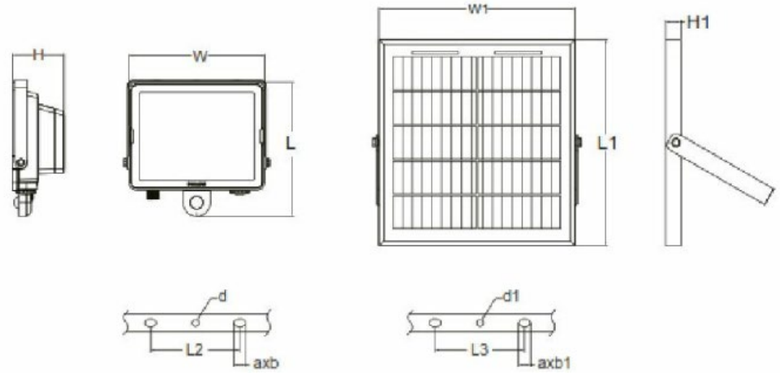
The SmartBright Solar LED Floodlight delivers high lumen efficacy, with long lifetime and reliable design. The kit comes with a built-in LiFePO4 battery, a split folding solar panel, remote controller, and installation accessories. Four lumen packages are available 1200, 2400, 3600 and 4800 lumens. New to the VVP080 is the addition of a PIR sensor and colour select.

Product data

- Lumen maintenance: 30,000hrs
- High Efficiency, up to 160lm/W
- LED: Colour Select 3000K/4000K/6500K
- PIR motion sensor
- Warranty: 3 year

Features and benefits

- All components included in one box - do it yourself
- Solar floodlight range of 4 product– equivalent to 120W, 240W, 360W and 480W Halogen floodlights respectively
- 160lm/W efficiency
- Robust design: diecast housing, and tempered front glass
- Infra-Red remote controller that can configure and dim the luminaires with three pre-sets (3, 5 and 8 hours) plus low, med and high.



POWER1	LUMEN1	POWER2	LUMEN2	POWER3	LUMEN3	POWER4	LUMEN4
120W	1200LM	240W	2400LM	360W	3600LM	480W	4000LM

Ordering information

SPECIFICATION	PART NUMBER	SHORT CODE
1200LM, COLOUR SELECT 3000/4000/6500K, LIFEPO4 SOLAR FLOOD W/REMOTE	911401836803	VVP080LED12
2400LM, COLOUR SELECT 3000/4000/6500K, LIFEPO4 SOLAR FLOOD W/REMOTE	911401836903	VVP080LED24
3600LM, COLOUR SELECT 3000/4000/6500K, LIFEPO4 SOLAR FLOOD W/REMOTE	911401837003	VVP080LED36
4800LM, COLOUR SELECT 3000/4000/6500K, LIFEPO4 SOLAR FLOOD W/REMOTE	911401837103	VVP080LED48
OPTIONS		
5M/1MM2 FLOOD LIGHT PV EXTENSION CABLE	911401835282	5MEXTLEAD
10M/1MM2 FLOOD LIGHT PV EXTENSION CABLE	911401835382	10MEXTLEAD

Lighting Terminology and Performance Explained

Ingress protection ratings (IP) Defined by IEC 60598

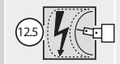
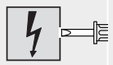
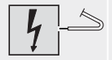
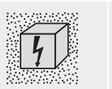
The resistive performance of fittings to solids and liquids is indicated by the IP (Ingress Protection) prefix followed by two numbers.

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

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

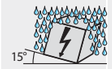
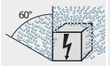
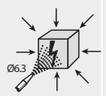
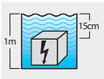
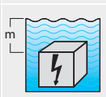
Ingress Protection (IP) Specification Guide

Protection against the ingress of solid objects IP.1X

IP No.	Example	Protection against contact and ingress of objects	Tests	Symbol
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	
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	Symbol
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
	No protection to this standard -	
	0.15	0.20kg impact
	0.20	0.20kg impact
	0.35	0.20kg impact
	0.50	0.20kg impact
	0.70	0.20kg impact
	1.00	0.50kg impact from 200mm
	2.00	0.50kg impact from 400mm
	5.00	1.70kg impact from 295mm
	10.00	5.00kg impact from 200mm
	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-F

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

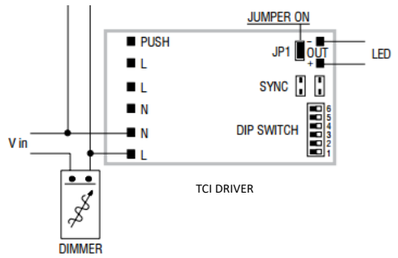
Suitable for residential or commercial use
Fitting cannot be covered with building insulation
Insulation can be placed against the sides of the fitting

Dimming Options

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

Phase-Cut Dimming (Trailing Edge/Leading Edge)

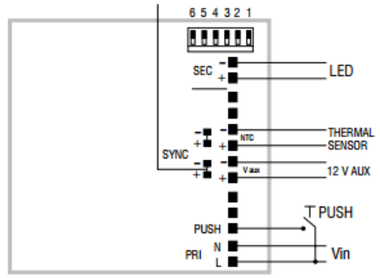
The most basic form of dimming, originally developed for incandescent loads. This is your typical domestic type dimmer. No additional wiring other than standard 2C+E. The dimmer simply “chops” or “cuts” the voltage signal going to the light fitting. Dimmer is simply added to the Active line.



- No extra wiring is required.
- Standard Trailing Edge/Universal Dimmer can be used.
- Available in out-puts ranging from 350mA – 750mA

Push DIM

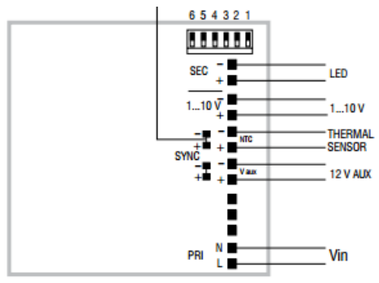
Is one of the simplest types of dimming available on the market, and is suitable for use in small to medium sized installations. No low voltage cables or no digital controllers are required - Each downlight requires a standard 2C+E plus a 1 or 2 Core Switch wire, a “normally open” type push button switch 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

1-10V Dimming

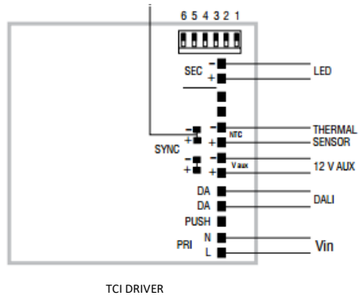
1-10V (Analogue) Dimming uses an analogue signal rather than a digital signal. It is a universal protocol, so all 1-10V drivers operate in the same manner. Each downlight requires a standard 2C+E plus two control lines to carry the low voltage signal (polarity sensitive). You will also require a potentiometer (or some other 1-10V Dimming controller).

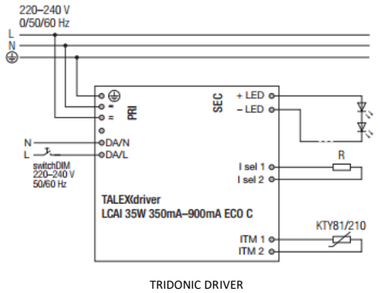


- Additional 2-Core LV control cable is required.
- Dedicated 1-10V interface or potentiometer is required to control this driver
- Available in out-puts ranging from 350mA – 1400mA

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).

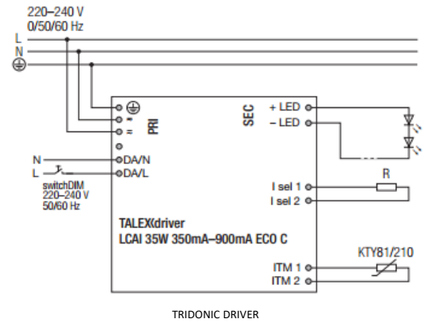




- Additional 2-Core control cable is required.
- Dedicated DALI interface or Control System is required to control this System
- Available in out-puts ranging from 350mA – 1400mA

DSI

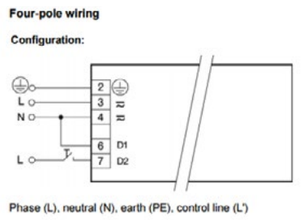
Digital Serial Interface – DSI – is a proprietary protocol of Tridonic. It was largely the precursor to the DALI system. Unlike DALI each fitting is not addressable, so each circuit must be controlled as a whole in the same manner. Again, each downlight requires standard 2C+E plus two DSI control lines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

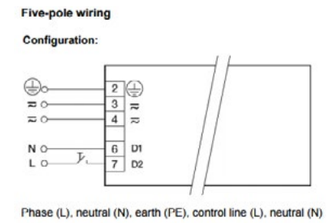


- Additional 2-Core control cable is required.
- Dedicated Control System is required to control this System
- Available in out-puts ranging from 350mA – 1400mA

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.





- 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



lighting.philips.co.nz