



# INTEGRATED LED DOWNLIGHTS

*inceptor*<sup>®</sup>



## The Inceptor® range of downlights are perfect for all types of installation

Inceptor® is a fire-rated, integrated LED downlight with pre-wired driver and Flow™ connector. It combines a number of key features which we believe sets it apart from competitor products. Unique to Inceptor® Max is the innovative flexi-driver element which means it can be fitted in to a recess depth of just 60mm - making it one of the most flexible fittings currently available.

The Flexible Driver Mount which connects the driver to the LED assembly allows the product to be mounted in two configurations - open and closed. The product will come packaged in the closed configuration for standard installation into a ceiling void with a depth of 90mm or more. However, for installations that have shallower ceiling voids (61-90mm) the user can unclip and pivot the driver so that it lays flat beside the LED (the open configuration). This means that the driver remains without strain on any electrical connections even when it is positioned remotely.

Scolmore has also integrated its popular Flow™ Connectors into the product, which will make the product quick and easy to install as well as to remove and replace for the purpose of circuit testing.

Inceptor® incorporates our award-winning FlameGuard® system technology, offers a 30, 60 & 90 minute fire rating and is acoustic and airflow compliant.

It is available in dimmable and non-dimmable options, both packing a lot of power into a very compact design and offering Part L Compliance. The product utilises an SMD LED, boasts up to a 550 lumen output, an even spread of light - with a 35° beam angle - and an LED lifetime of up to 80,000 hours.

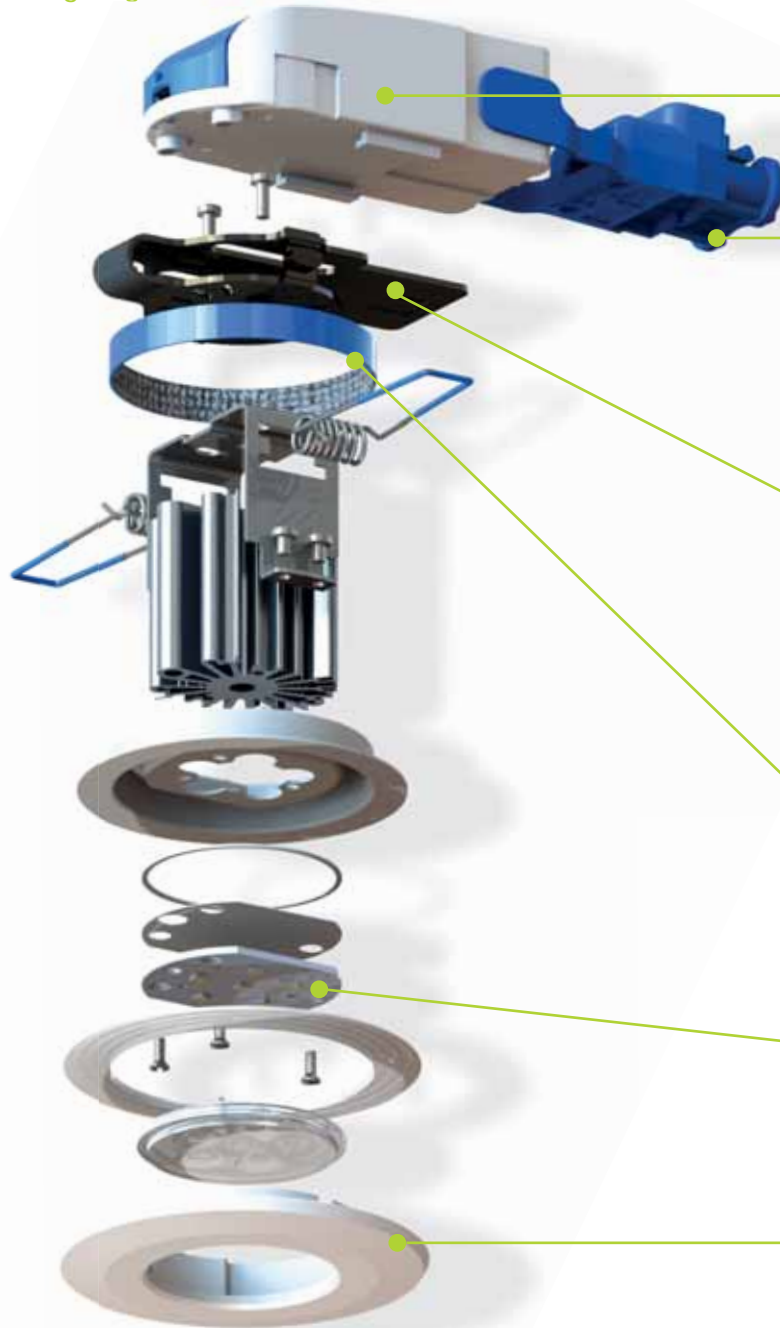
Inceptor® also features a QR (Quick Response) code carried on the product itself, which allows for the technical specification sheets to be downloaded via a smart phone to facilitate the installation and inspection.



Includes  Technology

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### FLEXI-DRIVER

Fits Into 61mm Deep Minimum Void.

### INTEGRATED FLOW™ CONNECTOR

Integrated **Flow** Connector - For Quick connection and removal. Use with the Flow™ range of connectors, pre-wired cables and Hub (CT300).



CT101F supplied

### FLEXIBLE DRIVER MOUNT

Allows the driver to be “flipped” over which allows the product to be fitted into a shallower ceiling void. There is an additional benefit to this ability... For those who have concerns about using the product in particularly warm environments; having the product fitted in its standard orientation (driver on top) heat from the LED could contribute to the temperature of the driver and in particularly warm installations this may lead to decreased driver life. However, if you flip the driver over so it’s mounted beside the product, the heat that rises up from the LED’s no longer rises to heat the driver, therefore protecting the life of the driver.

### INTUMESCENT STRIP

Our trademark blue strip of intumescent adds an extra barrier of protection against fire by expanding to fill the gap between plasterboard and light fitting.

### SMD LED TECHNOLOGY

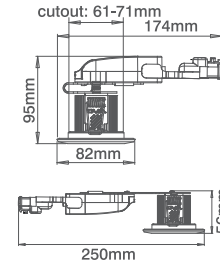
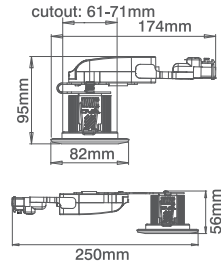
SMD LED’s require lower current and create less heat than standard LED’s, perfect when space is at a premium.

### CAST ZINC BEZEL

Cast Zinc for a professional appearance and plated or powder coated in our most popular colours: White, Chrome & Satin Chrome.

Inceptor® LED Lighting

Inceptor® LED Lighting



230V 8W LED IP65 Inceptor® Max Integrated Downlights

230V 8.5W LED IP65 Inceptor® Max Integrated Dimmable Downlights

Code	Description	Max Wattage
<b>LED4500*8W</b>	230V 8W LED Downlight - Warm White LED	8W
<b>LED4500*8C</b>	230V 8W LED Downlight - Cool White LED	8W

Code	Description	Max Wattage
<b>LED4500*8WD</b>	230V 8.5W LED Dimmable Downlight - Warm White LED	8.5W
<b>LED4500*8CD</b>	230V 8.5W LED Dimmable Downlight - Cool White LED	8.5W

Includes Flow™ connector, moisture seal & flexi-driver.

Includes Flow™ connector, moisture seal & flexi-driver.

LED's are integrated and non-replaceable

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Available Finishes (\*)

LED Colour Options



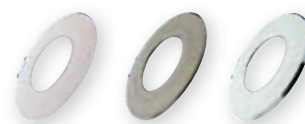
WH White SC Satin Chrome CH Chrome

**Product Approvals**  
 Complies with BS 5250: 2002 | BS EN ISO 140-3: 1995 | BS EN ISO 140-6: 1998  
 BS 476: Part 22: 1987 | EN 1365-2: 2000 | BS 476-21:1987  
 Part L Energy Efficiency | Part B Fire-Safety | Part C Moisture  
 Part E Resistance to Sound & Passage of air | Part P Electrical Safety

Please add required finish in to the code e.g. **LED4500CH8C**.

Available Finishes (\*)

LED Colour Options



WH White SC Satin Chrome CH Chrome

**Product Approvals**  
 Complies with BS 5250: 2002 | BS EN ISO 140-3: 1995 | BS EN ISO 140-6: 1998  
 BS 476: Part 22: 1987 | EN 1365-2: 2000 | BS 476-21:1987  
 Part L Energy Efficiency | Part B Fire-Safety | Part C Moisture  
 Part E Resistance to Sound & Passage of air | Part P Electrical Safety

Please add required finish in to the code e.g. **LED4500CH8CD**.

Inceptor® LED Lighting

Inceptor® LED Lighting

General Information				
Dimmable/Non-Dimmable	Non-Dimmable		Dimmable	
LED Colour Temperatures available	2700K (Warm)	4000K (Cool)	2700K (Warm)	4000K (Cool)
Finish Colours Available	White, Chrome & Satin Chrome			
Material composition	Steel, Aluminium, ABS, Nylon & Polycarbonate			
Cut-Out	61 - 71mm			
Ceiling Thickness	5 - 36mm			
Ceiling Void depth	61mm+			
Dimensions	Height (closed) 95mm (open) 60mm, diameter 82mm, length 174mm (closed)			
Warranty	Registered: 10 Years Domestic – 5 Years Commercial. Unregistered 1 Year			
Weight	0.34Kg		0.34Kg	
Light Output Information				
Beam Angle	35°		35°	
CRI	80		80	
LED Lifetime (L70)	84,000 hours		84,000 hours	
Luminous Flux	500lm (lumens)	550lm (lumens)	500lm (lumens)	550lm (lumens)
Output Wattage	8W		8.5W	
Luminous Efficacy	65 lm/W	70 lm/W	60 lm/W	65 lm/W
Power Factor	0.9		0.85	
Driver Information				
Connection	Integrated Flow™ Connector			
Input	200-240V / 8W max (non-dimmable) 8.5W max (dimmable)*			
Output	180mA / 37V			
Critical Temperature	70°C			
Part L1 Compliancy (as of 2014)	Yes		Yes	
Part L2 Compliancy (as of 2014)	Yes		Yes	
Regulation Ratings				
Fire Rating	30, 60 & 90 minute			
Ingress Protection	IP65 (Zone 1)			
Acoustic Rating	0dB (zero impact on sound insulation)			
Air Flow	BS 5250: 2011 compliant			

\* Dimmable version suitable for use with selected dimmers only. Please see our website or contact the technical department on 01827 63454.

Features

- Up to 550lm output (4000K)
- Up to 70 lm/W
- Integrated LED driver
- Flow™ connector
- High efficiency
- Flexi-driver mount
- Intumescent collar (FlameGuard®)
- IP65
- Various finishes
- 35° beam angle
- Adaptable cut-out
- Double insulated
- Low-energy
- Fire, air-flow and acoustic rated
- Solid, cast zinc bezels

Benefits

- Straight to mains
- One quick, easy connection
- Part L1 & Part L2 compliance
- Easy install into shallow ceiling void
- Added fire-protection
- Suitable for bathrooms / wet-rooms
- To suit any installation
- Fits 61-71mm cut-out
- No Earth required
- Cost saving against traditional lamps
- Complies with current building regulations & robust details
- 5 & 10 year guarantee (extended)
- Part B, P, E, C, L compliant

SQUEEZES INTO TIGHT SPOTS

Fits Into 61mm deep minimum void.



PRODUCT WARRANTY



Selected products are subject to additional warranties of up to 10 years domestic use & 5 years commercial use.\*

\* Terms and Conditional Apply.

FLOW™ CONNECTORS



Inceptor® downlights come with both male & female Flow™ connectors.





FLEXI-DRIVER

Fits Into 61mm Deep Minimum Void

INTEGRATED FLOW™ CONNECTOR

Integrated Flow™ Connector - For Quick connection and removal. Use with the Flow™ range of connectors, pre-wired cables and Hub (CT300).

FLEXIBLE DRIVER MOUNT

Allows the driver to be “flipped” over which allows the product to be fitted into a shallower ceiling void.

DUAL INTUMESCENT STRIPS

One internal, one external to ensure that in the event of a fire, minimal hot air and flame breach the ceiling void.

IMPROVED COOLING

An open-framed design brings improved system cooling over conventional closed “can” designs. Our specially adapted heat sink ensure this improved air-exposure is utilised effectively.

SMD LED TECHNOLOGY

SMD LED's require lower current and create less heat than standard LED's, perfect when space is at a premium.

STEEL HEAT SHIELD

Unique, hemispherical steel heat shield maintains the fire-barrier while allowing pivotal movement of the light source.

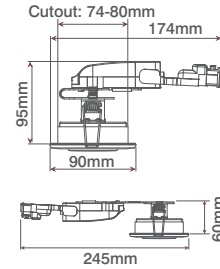
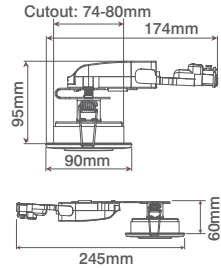
DUAL MOISTURE SEALS

Ensures that minimal water enters or passes through the fitting. Achieving IP64, this fitting is suitable for use in kitchens and bathrooms\*  
\*where regulations permit (BS EN60529).

UK Patent GB2510717B

Inceptor® LED Lighting

Inceptor® LED Lighting



230V 8.5W LED IP64 Inceptor® Max Integrated Adjustable Dimmable Downlights

230V 8.5W LED IP64 Inceptor® Max Integrated Adjustable Dimmable Downlights

Code	Description	Max Wattage
LED4505*8WD	230V 8.5W LED Adjustable Dimmable Downlight - Warm White	8.5W

Code	Description	Max Wattage
LED4505*8CD	230V 8.5W LED Adjustable Dimmable Downlight - Cool White	8.5W

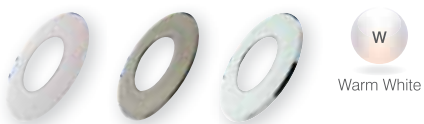
Includes Flow™ connector, moisture seal & flexi-driver.

Includes Flow™ connector, moisture seal & flexi-driver.

LED's are integrated and non-replaceable

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Available Finishes (\*) LED Colour



WH White SC Satin Chrome CH Chrome

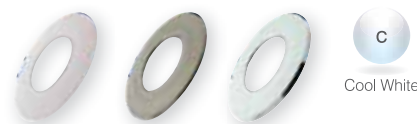
Please add required finish in to the code e.g. **LED4505CH8WD**.



Product Approvals

Complies with BS 5250: 2002 | BS EN ISO 140-3: 1995 | BS EN ISO 140-6: 1998  
BS 476: Part 22: 1987 | EN 1365-2: 2000 | BS 476-21:1987  
Part L Energy Efficiency | Part B Fire-Safety | Part C Moisture  
Part E Resistance to Sound & Passage of air | Part P Electrical Safety

Available Finishes (\*) LED Colour



WH White SC Satin Chrome CH Chrome

Please add required finish in to the code e.g. **LED4505CH8CD**.



Product Approvals

Complies with BS 5250: 2002 | BS EN ISO 140-3: 1995 | BS EN ISO 140-6: 1998  
BS 476: Part 22: 1987 | EN 1365-2: 2000 | BS 476-21:1987  
Part L Energy Efficiency | Part B Fire-Safety | Part C Moisture  
Part E Resistance to Sound & Passage of air | Part P Electrical Safety

General Information	
Dimmable/Non-Dimmable	<b>Dimmable</b>
LED Colour Temperatures available	2700K (Warm)      4000K (Cool)
Finish Colours Available	White, Chrome & Satin Chrome
Material composition	Steel, Aluminium, ABS, Nylon, Zinc & Polycarbonate
Cut-Out	74-80mm
Ceiling Thickness	5 - 36mm
Ceiling Void depth	61mm+
Dimensions	Height (closed) 95mm (open) 60mm, diameter 90mm, length 174mm (closed)
Warranty	Registered: 10 Years Domestic – 5 Years Commercial. Unregistered 1 Year
Weight	0.35Kg
Light Output Information	
Adjustable Angle	15°
Beam Angle	35°
CRI	80
LED Lifetime (L70)	84,000 hours
Luminous Flux	500lm (lumens)      550lm (lumens)
Output Wattage	8.5W
Luminous Efficacy	60 lm/W      65 lm/W
Power Factor	0.85
Driver Information	
Connection	Integrated Flow™ Connector
Input	200-240V / Rated 8.5W
Output	180mA / 37V
Critical Temperature	70°C
Part L1 Compliance (as of 2014)	Yes
Part L2 Compliance (as of 2014)	Yes
Regulation Ratings	
Fire Rating	30, 60 & 90 minute
Ingress Protection	IP64
Acoustic Rating	0dB (zero impact on sound insulation)
Air Flow	BS 5250: 2011 compliant

**Features**

- Up to 550lm output (4000K)
- Dimmable as standard
- Up to 70 lm/W
- Integrated LED driver
- Flow™ connector
- High efficiency
- Flexi-driver mount
- Intumescent collar (FlameGuard®)
- Adjustable IP64 Rated
- 35° beam angle
- Adaptable cut-out
- Double insulated
- Low-energy
- Fire, air-flow and acoustic rated
- Solid, cast zinc bezels

**Benefits**

- Straight to mains
- One quick, easy connection
- Part-L1 & Part L2 compliance
- Easy install into shallow ceiling void
- Added Fire-Protection
- Neat and even spread of light
- Fits 74-80mm cut-out
- No Earth required
- Cost saving against traditional lamps
- Building Regulations Compliant
- 5 & 10 year guarantee (extended)
- Part B, P, E, C, L compliant

SQUEEZES INTO TIGHT SPOTS

Fits Into 61mm deep minimum void.



PRODUCT WARRANTY



Selected products are subject to additional warranties of up to 10 years domestic use & 5 years commercial use.\*  
\*Terms and Conditional Apply.

FLOW™ CONNECTORS



Inceptor® downlights come with both male & female Flow™ connectors.





Inceptor® LED Lighting

Inceptor® LED Lighting



LOW PROFILE

Fits into 50mm void depth.

PRE-WIRED FLOW™ CONNECTOR

Pre-wired **flow** Connector - for quick connection and removal. Use with the Flow™ range of connectors, pre-wired cables and Hub (CT300).

COMPACT DRIVER

The Inceptor® Micro's high powered compact driver, is as small as a fire rated ceiling will accommodate. Another small detail, that makes a big difference when space is limited.

INTUMESCENT STRIP

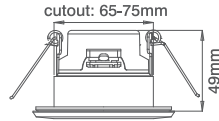
Our trademark blue strip of intumescent adds an extra barrier of protection against fire, by expanding to fill the gap between plasterboard and light fitting.

SMD LED TECHNOLOGY

SMD LED's require lower current and create less heat than standard LEDs, perfect when space is at a premium.

Inceptor® LED Lighting

Inceptor® LED Lighting



Fixed Option (IP44 Rated).  
Adjustable Option (IP20 Rated).  
  
Fixed & Adjustable  
Bezels Supplied.

230V 7W LED Inceptor® Micro Integrated Downlights with Fixed & Adjustable Bezel

Code	Description	Max Wattage
LED4300*7C	230V 7W LED Downlight - Warm White LED	7W
LED4300*7W	230V 7W LED Downlight - Cool White LED	7W

Includes Flow™ connector, moisture seal & driver.

LED's are integrated and non-replaceable

Available Finishes (\*)

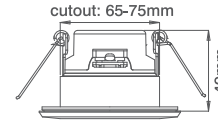
LED Colour Options



WH White SC Satin Chrome CH Chrome

Please add required finish in to the code e.g. **LED4300CH7C**.

**Product Approvals**  
Complies with BS 5250: 2002 | BS EN ISO 140-3: 1995 | BS EN ISO 140-6: 1998  
BS 476: Part 22: 1987 | EN 1365-2: 2000 | BS 476-21:1987  
Part L Energy Efficiency | Part B Fire-Safety | Part C Moisture  
Part E Resistance to Sound & Passage of air | Part P Electrical Safety



Fixed Option (IP44 Rated).  
Adjustable Option (IP20 Rated).  
  
Fixed & Adjustable  
Bezels Supplied.

230V 7.5W LED Inceptor® Micro Integrated Dimmable Downlights with Fixed & Adjustable Bezel

Code	Description	Max Wattage
LED4300*7CD	230V 7.5W LED Dimmable Downlight - Warm White LED	7.5W
LED4300*7WD	230V 7.5W LED Dimmable Downlight - Cool White LED	7.5W

Includes Flow™ connector, moisture seal & driver.

LED's are integrated and non-replaceable

Available Finishes (\*)

LED Colour Options



WH White SC Satin Chrome CH Chrome

Please add required finish in to the code e.g. **LED4300CH7CD**.

**Product Approvals**  
Complies with BS 5250: 2002 | BS EN ISO 140-3: 1995 | BS EN ISO 140-6: 1998  
BS 476: Part 22: 1987 | EN 1365-2: 2000 | BS 476-21:1987  
Part L Energy Efficiency | Part B Fire-Safety | Part C Moisture  
Part E Resistance to Sound & Passage of air | Part P Electrical Safety



Inceptor® LED Lighting

Inceptor® LED Lighting

General Information			
Dimmable/Non-Dimmable	<b>Non-Dimmable</b>		<b>Dimmable</b>
LED Colour Temperatures available	2700K (Warm)	4000K (Cool)	2700K (Warm) 4000K (Cool)
Finish Colours Available	White, Chrome & Satin Chrome		
Material composition	Steel, Aluminium, ABS, Nylon & Polycarbonate		
Cut-Out	65-75mm		
Ceiling Thickness	5-40mm		
Ceiling Void depth	50mm+		
Dimensions	Height: 55mm, Diameter: 87mm (front)		
Warranty	Registered: <b>7 Years</b> Domestic. Unregistered 1 Year		
Weight	0.266Kg		0.266Kg
Light Output Information			
Adjustable Angle	25°		
Beam Angle	35°		35°
CRI	80		80
LED Lifetime (L70)	30,000 hours		30,000 hours
Luminous Flux	<b>WW:</b> 400lm <b>CW:</b> 420lm (lumens)		<b>WW:</b> 400lm <b>CW:</b> 420lm (lumens)
Output Wattage	7W		7.5W
Luminous Efficacy	60lm/W		55lm/W
Power Factor	0.9		0.85
Driver Information			
Connection	Integrated Flow™ Connector		
Input	200-240V / 7W max (non-dimmable) 7.5W max (dimmable)		
Output	Driver Output Current: 150mA – Output Voltage: 36V		
Critical Temperature	70°C		
Part L1 Compliance (as of 2012)	Yes		Yes
Part L2 Compliance (as of 2012)	Yes		Yes
Regulation Ratings			
Fire Rating	30, 60 & 90 minute		
Ingress Protection	IP44 (with fixed bezel) / IP20 (with adjustable bezel)		
Acoustic Rating	0dB (zero impact on sound insulation)		
Air Flow	BS 5250: 2002 compliant		
Other Information			
Halogen content	Completely Halogen-free		

- Acoustic tested to BS EN ISO 140-3: 1995 & BS EN ISO 140-6: 1998 in accordance with Robust Details requirements.
- Air-flow tested to BS 5250: 2002
- Fire rated in accordance with EN 1365-2: 2000, BS 476: Part 21: 1987

Features

- Flow™ Connector
- FlameGuard® ; Proven Fire-Rated technology
- Choice of Fixed and Adjustable Bezels included
- Compact, Integrated Driver
- 60 Lm/W Luminous Efficacy (55Lm/W for dimmable)
- 35° Beam Angle
- 30,000 hour LED lifetime
- 7 Years guaranteed once registered (domestic installations only)

Benefits

- Flow™ Connector for quick and convenient wiring
- FlameGuard® technology for maintained protection in 30, 60 and 90 minute Fire-Rated ceilings
- Compact size; product will fit into a 50mm void depth
- Part L compliant
- 35° Beam angle with a neat and even spread of light
- Option of fixed or adjustable bezel supplied as standard

Wholesaler:

- No need to stock two types of product; one product provides both adjustable and fixed options.

End-User:

- Flexibility to switch between bezels if requirements change

ONE FITTING, TWO OPTIONS

Fixed Option (IP44 Rated)



Adjustable Option (IP20 Rated)



PRODUCT WARRANTY



The Inceptor® Micro downlights are covered by a 7 year warranty for domestic applications. Only valid once registered online by the end user at [www.scolmore.com](http://www.scolmore.com).

FLOW™ CONNECTORS

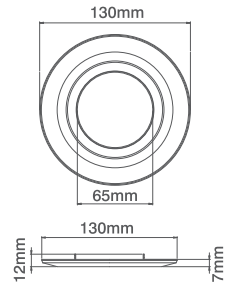


Inceptor® downlights come with both male & female Flow™ connectors.



# INCEPTOR® LED LIGHTING

## Inceptor® LED Lighting



For use with Inceptor® Max & Micro Downlights, (Excludes Inceptor® Max Adjustable).

### Converter Plate 120mm for use with Inceptor® Downlights

Code	Description	Finish
SP4120CH	Converter Plate - Chrome	Chrome
SP4120SC	Converter Plate - Satin Chrome	Satin Chrome
SP4120WH	Converter Plate - White	White

#### Features

- Has been designed for use with both Inceptor® Max and Inceptor® Micro, (Excludes Inceptor® Max Adjustable).
- Allows Inceptor® and Inceptor® Micro fittings to be fitted into ceiling cut outs of up to 120mm.

#### Benefits

- Allows fittings of a smaller cut-out size to be fitted into a hole that would otherwise be too big.
- May be suitable for other fittings with a cut-out diameter of 62mm and bezel diameter between 75-82mm (no other guaranteed "perfect fits").