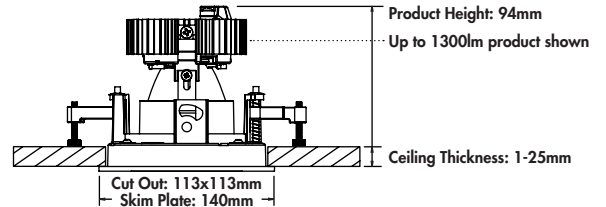


# Square 90 Trimless

90 Series



- Precision diecast aluminium construction.
- alphaLED fast fix mechanism.
- For use in ceilings up to up to 25mm deep.
- Soft bezel for enhanced glare control.
- Plaster in frame for seamless look.
- A wide choice of:
  - Lumen Outputs
  - Colour Temperature
  - Beam Angles
  - Colour Fidelity Options
  - Accessories



## Product Options

### Light Source



XTM

XOB

### Output



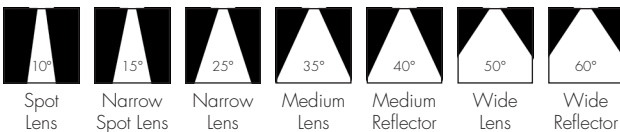
### Colour Temperature



### Colour Fidelity



### Beam Angle



### Bezel Colour



Trimless

### Inner Bezel Colour



Silver

Custom Colour

### Accessories



Honeycomb Louvre   Clear Glass Lens   Softening Glass Lens   Spreader Lens

## Product Builder

		Availability	XTM	XOB
		<b>Light Source</b>		
(XT)		XTM	○	-
(XO)		XOB	-	○
		<b>Lumen Output</b>		
(05)		500lm	○	○
(07)		700lm	○	○
(10)		1000lm	○	○
(13)		1300lm	○	○
(20)		2000lm	○	○
(30)		3000lm	○	○
		<b>Colour Temperature</b>		
(22)		2200k	○	-
(27)		2700k	○	○
(30)		3000k	○	○
(35)		3500k	○	-
(40)		4000k	○	○
(56)		5600k	○	-
		<b>Colour Fidelity</b>		
(80)		CRI 80+	○	-
(98)		CRI 98	○	-
(V8)		Vibrancy 80	○	-
(V9)		Vibrancy 98	○	-
(90)		Designer Series 90	○	○
(BT)		Beauty Series	○	-
		<b>Beam Angle</b>		
(SL)		Spot Lens 10°	-	○
(2L)		Narrow Spot Lens 15°	○	○
(NL)		Narrow Lens 25°	○	○
(ML)		Medium Lens 35°	○	○
(MR)		Medium Reflector 40°	○	○
(WL)		Wide Lens 50°	○	○
(WR)		Wide Reflector 60°	○	○
		<b>Colour</b>		
(X)		Trimless	○	○
		<b>Inner Bezel Colour</b>		
(SI)		Silver	○	○
(PI)		Custom Colour	○	○
		<b>Control</b>		
/DD		DALI		
/DP		DALI Pro		
/DA		1-10v		
/AP		0.1-10v		
/PH		Phase		
/BX		BLE Xicato		
/BC		BLE Casambi		
		<b>Accessories</b>		
/HL		Honeycomb Louvre		
/CG		Clear Glass		
/SL		Softening Lens		
/RG		Spread Lens		
/IP		IP54 Bezel		
		<b>Emergency</b>		
/M3		3 hour Maintained		
/ST		Self Test		
/DE		DALI Emergency		
		<b>Key</b>		
		Available	○	
		Not Available	-	

# Square 90 Trimless - XTM

Colour Fidelity		CRI80+ / Vibrancy 80 <sup>1</sup>								Designer Series CRI90								CRI98 / Vibrancy 98 <sup>2</sup>								Beauty Series				
		500lm	700lm	1000lm	1300lm	2000lm	3000lm	4000lm	5000lm	500lm	700lm	1000lm	1300lm	2000lm	3000lm	4000lm	500lm	700lm	1000lm	1300lm	2000lm	3000lm	4000lm	500lm	700lm	1000lm	1300lm	2000lm		
<b>Lumen Output</b>																														
<b>Colour Temperature</b>																														
2200k	(22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2700k	(27)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
3000k	(30)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
3500k	(35)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
4000k	(40)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
5600k	(56)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Beam Angle</b>																														
Narrow Spot Lens 15°	(2L)	●	●	●	●	-	-	-	-	●	●	●	●	-	-	-	●	●	●	●	-	-	-	-	-	-	-	-	-	-
Narrow Lens 25°	(NL)	●	●	●	●	-	-	-	-	●	●	●	●	-	-	-	●	●	●	●	-	-	-	-	-	-	-	-	-	-
Medium Lens 35°	(ML)	●	●	●	●	⊙	-	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Medium Reflector 40°	(MR)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Wide Lens 50°	(WL)	●	●	●	●	⊙	-	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Wide Reflector 60°	(WR)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
<b>Bezel Colour</b>																														
Trimless	(X)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
<b>Soft Inner Bezel Colour</b>																														
Silver	(SI)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Custom Colour	(PI)	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
<b>Control</b>																														
Standard		●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
DALI	/DD	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
DALI Pro	/DP	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
1-10v	/DA	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
0.1-10v	/AP	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Phase	/PH	-	●	●	●	⊙	○	-	-	-	●	●	●	○	-	-	-	●	●	●	○	-	-	-	●	●	●	○	-	-
Bluetooth Casambi	/BC	-	●	●	●	⊙	○	-	-	-	●	●	●	○	-	-	-	●	●	●	○	-	-	-	●	●	●	○	-	-
Bluetooth Xicato	/BX	-	●	●	●	⊙	○	-	-	-	●	●	●	○	-	-	-	●	●	●	○	-	-	-	●	●	●	○	-	-
<b>Emergency</b>																														
3hrs Maintained	/M3	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Self Test	/ST	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
DALI Emergency	/DE	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
<b>Accessories</b>																														
Honeycomb Louvre	/HL	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Clear Glass Lens	/CG	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Softening Lens	/SL	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-
Spread Lens	/RS	●	●	●	●	⊙	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-	●	●	●	●	○	-	-

**Key**

- Available with all beam angles.
- ⊙ Not available with Narrow Spot Lens 15° (2L) / Narrow Lens 25° (NL)
- Not available with Narrow Spot Lens 15° (2L) / Narrow Lens 25° (NL) / Medium Lens 35° (ML) / Wide Lens 50° (WL)
- Not available

Notes:  
<sup>1</sup> Vibrancy 80 only available in 3000k.  
<sup>2</sup> Vibrancy 98 only available in 3000k.

# Square 90 Trimless - XOB

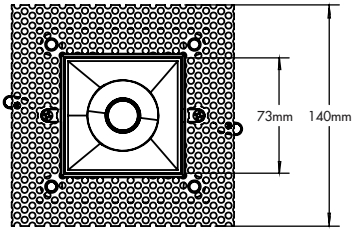
Colour Fidelity		Designer Series CRI90						
		500lm	700lm	1000lm	1300lm	2000lm	3000lm	4000lm
<b>Lumen Output</b>								
<b>Colour Temperature</b>								
2700k	(27)	●	●	○	○	⊙	○	-
3000k	(30)	●	●	○	○	⊙	○	-
4000k	(40)	●	●	○	○	⊙	○	-
<b>Beam Angle</b>								
Spot Lens 10°	(SL)	●	●	-	-	-	-	-
Narrow Spot Lens 15°	(2L)	●	●	○	○	-	-	-
Narrow Lens 25°	(NL)	●	●	○	○	-	-	-
Medium Lens 35°	(ML)	●	●	○	○	⊙	-	-
Medium Reflector 45°	(MR)	●	●	○	○	⊙	○	-
Wide Lens 55°	(WL)	●	●	○	○	⊙	-	-
Wide Reflector 60°	(WR)	●	●	○	○	⊙	○	-
<b>Bezel Colour</b>								
Trimless	(X)	●	●	○	○	⊙	○	-
<b>Soft Inner Bezel Colour</b>								
Silver	(SI)	●	●	○	○	⊙	○	-
Custom Colour	(PI)	●	●	○	○	⊙	○	-
<b>Control</b>								
Standard		●	●	○	○	⊙	○	-
DAII	/DD	●	●	○	○	⊙	○	-
DAII Pro	/DP	●	●	○	○	⊙	○	-
1-10v	/DA	●	●	○	○	⊙	○	-
0.1-10v	/AP	●	●	○	○	⊙	○	-
Phase	/PH	●	●	○	○	⊙	○	-
Bluetooth Casambi	/BC	●	●	○	○	⊙	○	-
Bluetooth Xicato	/BX	●	●	○	○	⊙	○	-
<b>Emergency</b>								
3hrs Maintained	/M3	●	●	○	○	⊙	○	-
Self Test	/ST	●	●	○	○	⊙	○	-
DAII Emergency	/DE	●	●	○	○	⊙	○	-
<b>Accessories</b>								
Honeycomb Louvre	/HL	●	●	○	○	⊙	○	-
Clear Glass Lens	/CG	●	●	○	○	⊙	○	-
Softening Lens	/SL	●	●	○	○	⊙	○	-
Spread Lens	/RS	●	●	○	○	⊙	○	-

**Key**

- Available with all beam angles.
- Not available with Spot Lens 10° (SL)
- ⊙ Not available with Spot Lens 10° (SL) / Narrow Spot Lens 15° (2L) / Narrow Lens 25° (NL)
- Not available with Spot Lens 10° (SL) / Narrow Spot Lens 15° (2L) / Narrow Lens 25° (NL) / Medium Lens 35° (ML) / Wide Lens 55° (WL)
- Not available

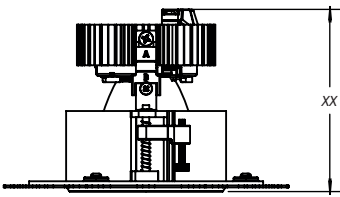
# Square 90 Trimless

## Dimensions



Ceiling cutout: 113mm x 113mm  
 Max ceiling thickness: 1 - 25mm

### XTM - Product Height



### Medium Lens 35° / Wide Lens 50°

	CRI80+ / Vibrancy 80	Designer Series CRI90	CRI98 / Vibrancy 98 / Beauty Series
500lm	90mm	90mm	90mm
700lm	90mm	90mm	90mm
1000lm	90mm	90mm	90mm
1300lm	90mm	90mm	90mm
2000lm	120mm	120mm	120mm

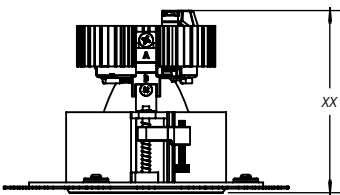
### Narrow Spot Lens 15° / Narrow Lens 25°

	CRI80+ / Vibrancy 80	Designer Series CRI90	CRI98 / Vibrancy 98 / Beauty Series
500lm	90mm	90mm	90mm
700lm	90mm	90mm	90mm
1000lm	90mm	140mm	140mm
1300lm	140mm	-	-

### Medium Reflector 40° / Wide Reflector 60°

	CRI80+ / Vibrancy 80	Designer Series CRI90	CRI98 / Vibrancy 98 / Beauty Series
500lm	90mm	90mm	90mm
700lm	90mm	90mm	90mm
1000lm	90mm	90mm	90mm
1300lm	90mm	90mm	90mm
2000lm	120mm	120mm	120mm
3000lm	140mm	-	-

### XOB - Product Height



### Medium Lens 40° / Wide Lens 55°

	Designer Series CRI90
500lm	88mm
700lm	88mm
1000lm	88mm
1300lm	88mm
2000lm	118mm

### Spot Lens 10° / Narrow Spot Lens 15° / Narrow Lens 25°

	Designer Series CRI90
500lm	88mm
700lm	88mm
1000lm	88mm
1300lm	88mm

### Medium Reflector 45° / Wide Reflector 60°

	Designer Series CRI90
500lm	88mm
700lm	88mm
1000lm	88mm
1300lm	88mm
2000lm	118mm
3000lm	118mm

# Square 90 Trimless

## Circuit Wattage

### XTM - Total Circuit Wattage

#### Narrow Spot Lens 15° / Narrow Lens 25°

	CRI80+ / Vibrancy 80	Designer Series CRI90	CRI98 / Vibrancy 98 / Beauty Series
500lm	6.7W	6.7W	9.0W
700lm	9.0W	9.0W	12.9W
1000lm	12.9W	12.9W	18.4W
1300lm	18.4W	18.4W	-

#### Medium Lens 35° / Wide Lens 50°

	CRI80+ / Vibrancy 80	Designer Series CRI90	CRI98 / Vibrancy 98 / Beauty Series
500lm	4.4W	5.2W	5.6W
700lm	6.0W	6.8W	7.9W
1000lm	8.3W	9.6W	11.2W
1300lm	11.9W	13.6W	16.0W
2000lm	18.0W	20.1W	23.7W

#### Medium Reflector 40° / Wide Reflector 60°

	CRI80+ / Vibrancy 80	Designer Series CRI90	CRI98 / Vibrancy 98 / Beauty Series
500lm	4.4W	5.2W	5.6W
700lm	6.0W	6.8W	7.9W
1000lm	8.3W	9.6W	11.2W
1300lm	11.9W	13.6W	16.0W
2000lm	18.0W	20.1W	23.7W
3000lm	29.7W	-	-

### XOB - Total Circuit Wattage

#### Spot Lens 10°

	Designer Series CRI90
500lm	5.9W
700lm	7.6W

#### Narrow Spot Lens 15° / Narrow Lens 25°

	Designer Series CRI90
500lm	5.3W
700lm	7.1W
1000lm	9.8W
1300lm	11.8W

#### Medium Lens 40° / Wide Lens 55°

	Designer Series CRI90
500lm	5.3W
700lm	7.1W
1000lm	9.8W
1300lm	11.8W
2000lm	17.5W

#### Medium Reflector 45° / Wide Reflector 60°

	Designer Series CRI90
500lm	5.3W
700lm	7.1W
1000lm	9.8W
1300lm	11.8W
2000lm	17.5W
3000lm	25.9W

# Square 90 Trimless

## Paint Finish

### Inner Soft Bezel

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Silver  
RAL 9006



Custom Colour