

THORN
LIGHTING



CAELON S

Blend beautifully



WE
MAKE
LIGHT
WORK

BLEND BEAUTIFULLY

Caelon S is a family of adjustable surface mounted spotlights delivering up to 3000 lumens for the illumination of architectural façades, feature details, niches and structures.

This family of spotlights is available in a choice of sizes, optics, colours and lumen outputs with a neutral aesthetic ensuring the luminaires blend seamlessly into the architecture.

For Caelon S 12i, 20i & 30i, the inclusion of market leading innovation 'One Technology' uses wireless bluetooth to take connectivity to the next level. Change the luminaire intensity and adjust the beam angle between 12° and 50°. Mitigating the need to specify a specific beam angle, Thorn's 'One Technology' innovation allows easy on site commissioning to tune the installation to the application with a simple app interface.



CAELON S

FEATURES

Variants:

Caelon S is available in 6 variants with a range of optics to suit the application;

CAELON S3x - H: 78 mm x W: 54 mm x L: 37 mm

CAELON S7x - H: 127 mm x W: 84 mm x L: 73 mm

CAELON S7i - H: 128 mm x W: 84 mm x L: 112 mm

CAELON S12i, S20i, S30i - H: 210 mm x W: 145 mm x L160 mm



S3x



S7x



S7i



S12i



S20i



S30i

Light Quality:

CRI 80 for white LED variants.

Visual Comfort:

Glare control at the source with integral snoot to maximise visual comfort. A cowl accessory is available to provide an enhanced level of glare control. Cowl for S12i, S20i and S30i sizes only.

Controls:

Available with On/Off (HF), DALI (HFX) or DMX

Durability:

IP67 (Caelon S3x, S7x and S7i),

IP66 (Caelon S12i, 20i and 30i),

IK06

Housing Colour:

Black (RAL 9005 textured)

White (RAL 9010 textured)

Technical Description:

Extruded aluminium luminaire with high corrosion resistance C3

Electrical Class 1

3 SDCM

Photobiological group RG1

RGBW includes 3000 K white LED

Lifetime 60,000 hrs L90@25 °C

Operating Temperature -20 ° to +25 °C

Certification:



PHOTOMETRIC SUMMARY

VARIANT	CRI	OPTIC	BEAM ANGLE	COLOUR TEMP (K)	LUMEN OUTPUT (Lm)	POWER CONSUMPTION (W)	LM/W
CAELON S3x	80	N	15 °	827	375	6.2	60.5
		M	22 °	730			
		F	35 °	84			
		SN	10 °	827			
CAELON S7x	80	N	13 °	730	940	11.1	84.7
		M	29 °	730			
		F	36 °	840			
		SN	10 °	827			
CAELON S7i	80	N	13 °	730	940	11.1	84.7
		M	29 °	730			
		F	36 °	840			
		SN	12 °	827			
CAELON S12i	80	N	19 °	730	1789	20	89.5
		M	23 °	730			
		W	42 °	840			
		SN	12 °	827			
CAELON S20i	80	N	19 °	730	2343	24	97.6
		M	23 °	730			
		W	42 °	840			
		SN	12 °	827			
CAELON S30i	80	N	19 °	730	2898	34	85.2
		M	23 °	840			
		W	42 °	DW			
		5D	12-50 °	RGBW			

Note: performance based on white 840 LEDs with Wide / Flood optic.

Photometric performance tested to LM79 standards by a UKAS accredited laboratory.

Name Coding:

E.g. CAELON S 12i 12 = Output reference (e.g. 12 = 1200 lumens)

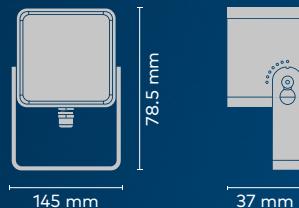
S = Surface mounted i = Integral driver or x = External driver

ACCESSORIES

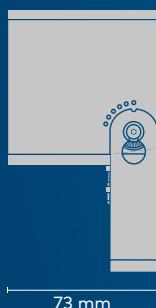
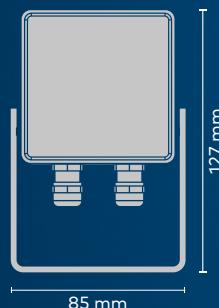
Variant	Ground Spike	Cowl WH	Cowl BK
CAELON S3x	2110048	n/a	n/a
CAELON S7x	2110048	n/a	n/a
CAELON S7i	2110048	n/a	n/a
CAELON S12i	2110048	21100446	21100447
CAELON S20i	2110048	21100446	21100447
CAELON S30i	2110048	21100446	21100447

DIMENSIONS

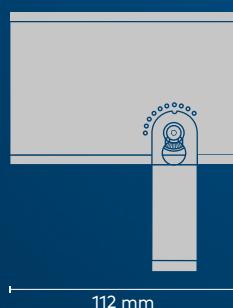
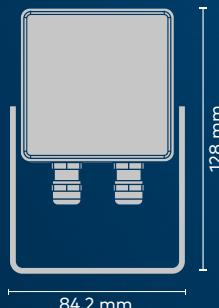
CAELON S3x



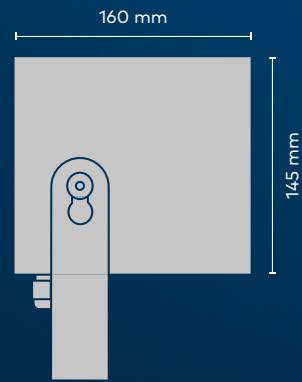
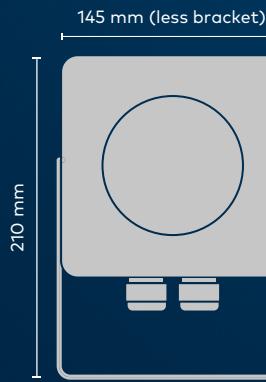
CAELON S7x



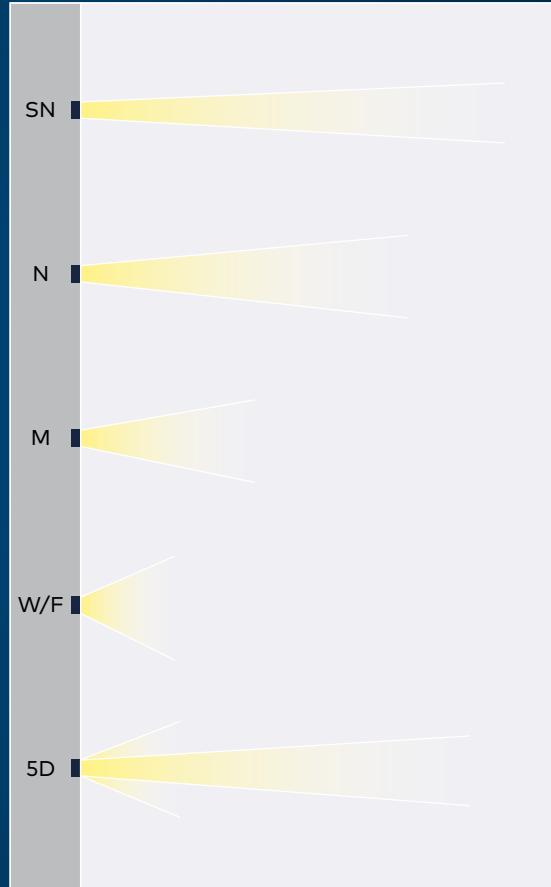
CAELON S7i



CAELON S12i, S20i, S30i



OPTICS



Linear optic with CAELON S3x only

OPTICAL ACCESSORIES



COWL

Cowl accessory for
CAELON S12i | S20i | S30i.
Not compatible with
5D lens optic option.



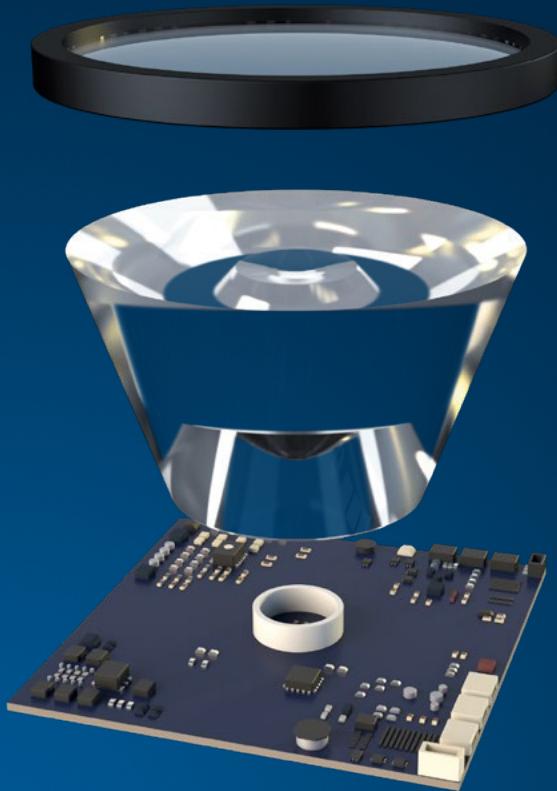
HONEYCOMB LOUVRE

Honeycomb louvre accessory for
CAELON S12i | S20i | S30i.
Not compatible with
5D lens optic option.

ONE LUMINAIRE

INFINITE POSSIBILITIES

SPECIFY ONE – and transform the atmosphere of a place at the touch of a button.



5D LENS

The 5D lens uses innovative liquid crystal technology, making it possible to dim and shape your beam from a 12° to 50° angle (and anywhere in between!)



CLEAN BEAM DESIGN

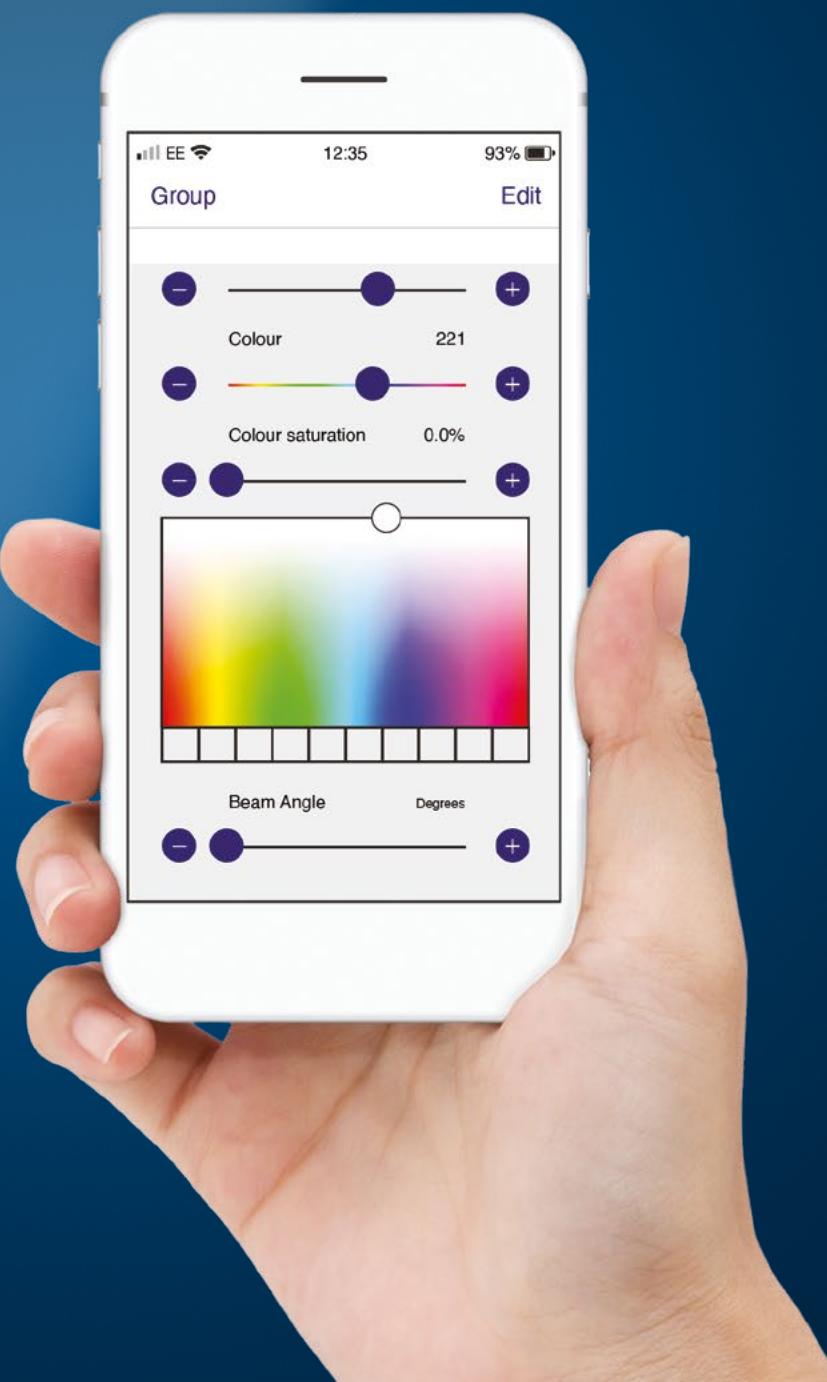
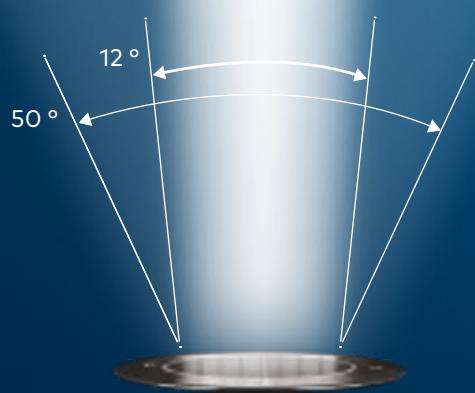
Outstanding beam angle control. Clean overall lit effect (no stray light, colour shadowing or scalloping). All made possible by the clever design of internal detailing and optics.



USER CONNECT (4 REMOTE BT)

Wireless lighting control solution. Easily and instantly adjust the beam angle, colour and colour temperature of individual or groups of luminaires all from an app. Simpler specification! Less components to use, save time on installation.

WIRELESS CONTROL OF BEAM, INTENSITY, COLOUR





BUILD YOUR PRODUCT

CAELON S3X/7X/7I

Product	Lumen		CRI AND LED		OPTIC		Finish		Cable		IP Rating	
CAELON S3x	300 Lumen	300	CRI 80 2700 K	827	Super Narrow (S7x only)	SN	Black	BK	2M Flying Lead	2M	IP67	67
CAELON S7x	700 Lumen	700	CRI 80 3000 K	830	Narrow	N	White	WH	None			
			CRI 80 4000 K	840	Medium	M						
					Flood	F						
					Linear Horizontal (S3x only)	LH						
					Linear Vertical (S3x only)	LV						

EXAMPLE PRODUCT DESCRIPTION

CAELON S7x	700	827	N	WH	2M	67
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Product	Lumen		CRI AND LED		OPTIC		Finish		IP Rating		Control	
CAELON S7i	700 Lumen	700	CRI 80 2700 K	827	Super Narrow (S7x only)	SN	Black	BK	IP67	67	Switched	HF
			CRI 80 3000 K	830	Narrow	N	White	WH				
			CRI 80 4000 K	840	Medium	M						

EXAMPLE PRODUCT DESCRIPTION

CAELON S7i	700	827	N	WH	67	HF
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CAELON S12/20/30I

Product	Lumen	CRI AND LED	OPTIC	Finish
CAELON S12i	1200 Lumen	CRI 80 2700 K	827	Super Narrow
CAELON S20i	2000 Lumen	CRI 80 3000 K	830	Narrow
CAELON S30i	3000 Lumen	CRI 80 4000 K	840	Medium
		RGBW (3000 K)	RGBW	Wide Flood
		Dynamic White	DW	5d Lens
				W
				5D

EXAMPLE PRODUCT DESCRIPTION

CAELON S12i	1200	827	SN	WH
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Accessory	IP Rating	Driver
Honeycomb Louvre	HL	IP66
None		Dali Dimmable
		DMX
		Bluetooth
		BC
		HF

EXAMPLE PRODUCT DESCRIPTION CONTINUED

HL	66	HF
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As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.
thornlighting.com/guarantee

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