levello
Invisible by Design

SORAA

VIVID PLASTER-IN DOWNLIGHT

Trimless low profile downlight,
supplied with Soraa Lamp

Icons: (light) | (no spray) | IR | UV | (eye) | (dimmable) | Ø 62mm | (disc)

0.05M | CRI 95 | IP 20 | IP 65 | RoHS compliant | EN 60.598 | UKCA | CE
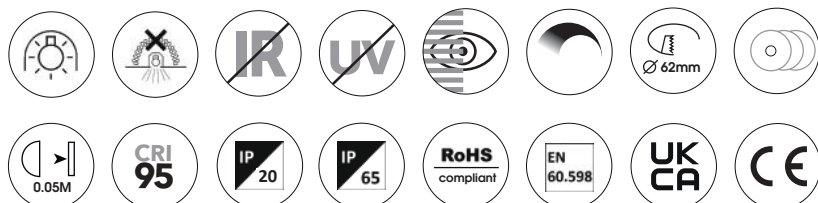
A: Minimum ceiling void depth
Soraa GU10 :87-95mm
Soraa GU5.3 :57-65mm
B: Cutout 62mm

A
B

47mm 10°
65mm

31mm 25°,36°,60°
65mm
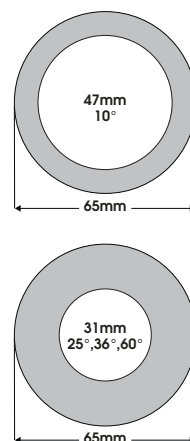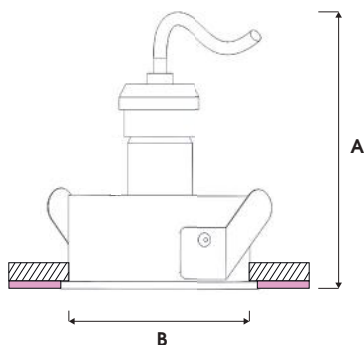
Product Information

The Vivid Low Profile Plaster-in is a trimless downlight which combined with the Soraa range of lamps is designed to give perfect perfect light. It has an almost invisible appearance in the ceiling, especially when used with paintable front plates and provides visual comfort by reducing glare.

Soraa Vivid lamps offer beautiful and accurate colour and white rendering across the entire visible spectrum, mimicking , the natural range of sunlight to deliver unmatched quality of light for colour critical applications. With a wide range of beam shapes and angles as well as emergency options the product is suitable for many applications.

This product is available as non-fire rated, 60-minute and 120-minute fire rated, as well as IP20 ad IP65 versions. It is fully interchangeable with any of the products in the Levello range as all of the Levello products fit into the same housing. Luminaires and lamps can be swapped quickly and simply, should the need arise without damaging the ceiling. Installation is simple, the supply cable is terminated to the connector and then a housing is permanently fixed into the ceiling. The ceiling is then plastered so the rim of the housing is flush with the plaster. Decorators cards are provided to protect the inside of the housing from contamination with paint or plaster. The luminaire and lamp are installed at the second fix and held in by magnets.

Product Features

• Completely flush finish
• Paintable front plates option for a true match to the ceiling
• Baffles are available with a range of colour options
• Simple maintenance with the Levello magnetic system
• Huge range of accessories and options

• Supplied with quick fix connectors
• Wide range of beam angles and colour temperatures
• Point source optics for precisely controlled beam distribution
• Dimmable to 0.1% (dependent on dimmers & drivers)
• Other options available within the Levello modular system
  i.e. Marine, IP65, other fitting types (see website for details)

Product Applications

Residential, Hotels and Hospitality, Marine, Galleries and Museums, High-End Retail.

Luminaire Specifications

Ceiling cut-out 'B'	62mm	**Standards**	BS EN 60598
Minimum Ceiling Void Depth[1]	Soraa GU10 - 87-95mm[2] Soraa GU5.3 - 57-65mm[2]	**Mains Connector**	3 Pole 16A Screwless Cable capacity 4x1mm, 2x1.5mm
Fire Rating (Available choices)	Non Fire Rated 60 Minutes 120 Minutes (with LE9985-Hood[3])	**Emergency Pack**	Not available
F Mark	Suitable for mounting on flammable materials Not suitable for covering with thermal insulation	**Product Weight**	Soraa GU10 - 250g Soraa GU5.3 - 230g (excluding Driver) Soraa GU5.3 - 340g (with Soraa Optime driver)
Insulation Cover	TH095[4] 1830F (if no access to the ceiling void)	**Main Materials**	Mild Steel Powder coated RAL 9010 Aluminium Anodised
IP Rating	IP65/IP20	**Warrantee**	5 years (luminaire parts and materials)

Note 1: Ceiling void depths measured from the front face of the ceiling

Note 2: The minimum ceiling void depth dependson the location of the lamp within the three magnets. Depending on the thickness of the lamp rim it can be located between the first magnet in the front plate.

Note 3: 120min Fire rating compliant in United Kingdom; Europe & Italy; Australia & New Zealand

Note 4: Fitting the Thermahood will help to meet the requirements for building regulation 2.3
C2 - Condensation
L1 - Fuel Conservation (Insulation and Air Leakage)
E1 - Sound Protection
Helps conform to BS 5250: 2011:3-3; BS EN 50698-1; BS EN 60598-2-2.

Soraa Lamp Data

Warranty		Colour Metrics	
Lifetime to LM70 **Warranty**	35,000 hrs 3 Years or 25,000 hrs, whichever comes first.	**CIE Metrics** **TM30 Metrics** **Whiteness Index** **Output**	CRI95, R9=95 RF 90, Rg 100 Rw 100 390-455 Lumens

Note 5: Measured with Soraa Optima driver

Electrical

Electrical	Power Factor	Driver	Minimum Dimming Level	Dimming
GU10	0.8	No Driver Required	1%	Trailing edge phase cut dimmers only
GU5.3 Mains Dimming	0.92	Soraa Optima Driver	4%	Trailing edge phase cut dimmers only
GU5.3 DALI	>0.93	Levello	1%	DALI
GU5.3 1-10V	>0.93	Levello	1%	1-10V
GU5.3 Cassambi	0.92	Optima with Cassambi	4%	Cassambi
GU5.3 H2A	0.92	H2A	4%	H2A Bluetooth Mesh

Temperature Information

			Typical (Base)	Max (Base)
Operating Temperature (Ambient)	Min -40°C Max +40°C			
		GU10	85°C - 95°C	100°C
		GU5.3	85°C - 95°C	90°C - 100°C

Base Temperature Measured Here
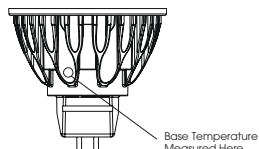
Vivid Photometric Information

Colour Rendering
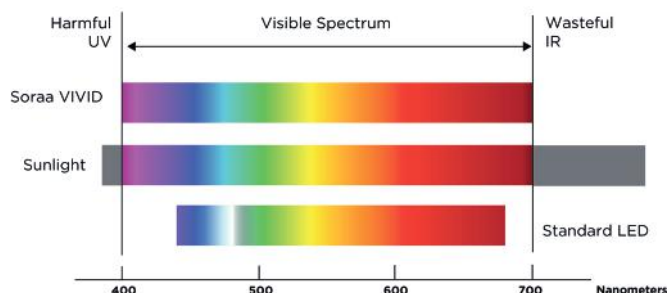
For Vivid Photometrics page (LHS)
SORAA VIVID™ lamps, offer beautiful and accurate colour and white rendering across the entire visible spectrum, mimicking the natural range of sunlight to deliver unmatched quality of light for Colour critical applications.
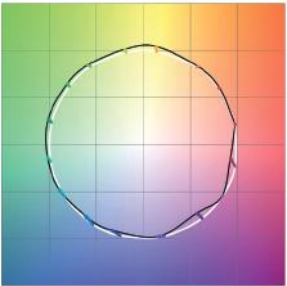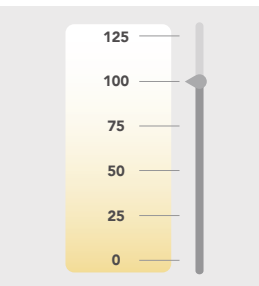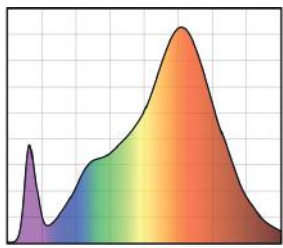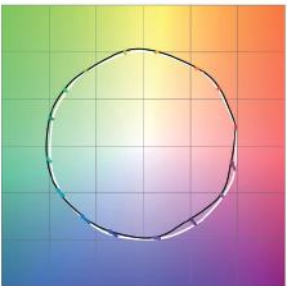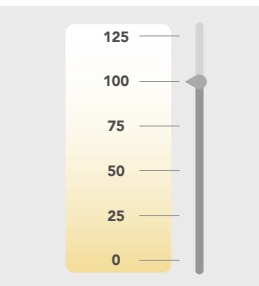
POINT SOURCE OPTICS™ deliver exceptional beam quality with crisp shadows, perfect uniformity and precisely controlled beam distributions from 10° to 36°, resulting in smooth uniform beams and crisp shadows.

SORAA VIVID COLOUR™ Soraa VIVID lamps utilize full spectrum light to provide industry-leading colour rendition of CRI/95, R9/95, Rf/95, Re/ 100 for precise Colour reproduction.

SORAA NATURAL WHITE™
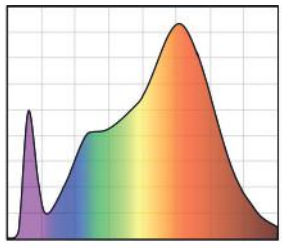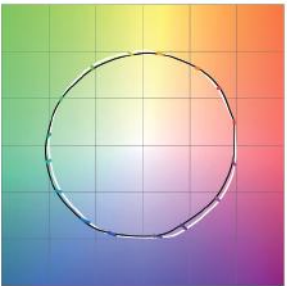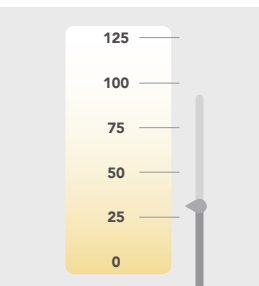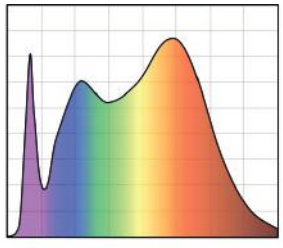Soraa VIVID lamps are engineered to deliver outstanding whiteness rendering for true-to-life whites, which matches or exceeds incandescent sources at 2700K and 3000K.

TM-30 Metric

SERIES/CCT	COLOUR ACCURACY	WHITENESS INDEX	SPECTRAL POWER DISTRIBUTION
VIVID 2700K	Rf: 90, Rg: 100, Rfh1: 95	Rw: 100	CRI: 95, R9: 95
VIVID 3000K	Rf: 90, Rg: 100, Rfh1: 95	Rw: 100	CRI: 95, R9: 95
VIVID 4000K	Rf: 90, Rg: 100, Rfh1: 95	Rw: 70	CRI: 95, R9: 95

Rf: TM-30 metric measuring colour fidelity (whether colours are similar to those under natural light). Rf is a more accurate version of the CRI Ra. Rf is 100 for natural light.
Rg: TM-30 metric measuring colour gamut (whether colours are more saturated than under natural light). Rg is 100 for natural light.
Rfh1: TM-30 metric measuring colour fidelity for red tones. Rfh1 is a more accurate version of the CRI R9. Rfh1 is 100 for natural light.
Rw: Soraa-developed metric to measure white fidelity. Rw measures the magnitude of excitation of whitening agents within whites. Rw is about 100 for natural light.

Photometric Information

| Beam Angle		Beam Angle Code	Colour Temperature			Efficacy (lm/W)	Beam Angle
			2700K	**3000K**	**4000K**		
10° Beam Angle	7.5W Vivid	10D	390 lm	410 lm	430 lm	52-58	
25° Beam Angle	7.5W Vivid 9/9.5W Vivid	25D	410 lm 465 lm	435 lm 490 lm	455 lm -	55-61 52-54	
36° Beam Angle	7.5W Vivid 9/9.5W Vivid	36D	410 lm 465 lm	435 lm 490 lm	455 lm -	55-61 52-54	
60° Beam Angle	7.5W Vivid 9/9.5W Vivid	60D	410 lm 425 lm	435 lm 450 lm	455 lm -	55-61 49-52	
Linear Diffusion 10°-25°	7.5W Vivid	1L2	351 lm	369 lm	-	47-49	
Linear Diffusion 10°-36°	7.5W Vivid	1L3	351 lm	369 lm	-	47-49	
Linear Diffusion 10°-60°	7.5W Vivid	1L6	351 lm	369 lm	-	47-49	
Flat Top 25°-25°	7.5W Vivid	1F2	351 lm	369 lm	-	47-49	
Flat Top 36°-36°	7.5W Vivid	1F6	351 lm	369 lm	-	47-49	
Aim Lens (Upto 20°- -beam shift)	7.5W Vivid	1AL	351 lm	369 lm	-	47-49	
Frosted Diffusion Lens	7.5W Vivid 9/9.5W Vivid	6FD	246 lm 255 lm	261 lm 270 lm	- -	33-35 34-36	

Glare Reduction

Honeycomb Louvre

Honeycomb louvres are designed to minimize glare by controlling the direction of light. They help in directing light downward and preventing it from scattering in unwanted directions, thus reducing glare and creating a more comfortable environment for occupants.
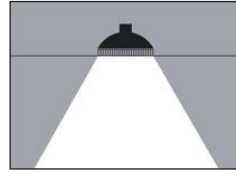
45° Honeycomb Louvre
for 10°, 25°, 36° beam angles
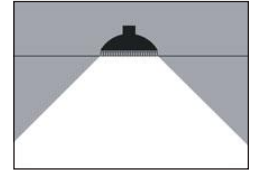
60° Honeycomb Louvre
for 60° beam angles

Colour Changing Filters (Not compatible with 9W lamps)

Coloured Gels

Coloured gels can dramatically alter the mood and ambiance of a space. By tinting the light with different hues, you can evoke specific emotions or create a particular atmosphere that complements the architectural design or the function of the space. Coloured lighting can be used to accentuate specific architectural elements or design features within a space. By applying coloured gels strategically, you can draw attention to focal points, emphasize textures, or enhance the overall visual interest of the environment.

Note: Coloured gels need to be purchased separately.

CCT Shifters

CCT Shifter filters can provide colour temperatures that are rare or impossible to find, like a warm, glowing natural 2200K CCT. This provides excellent flexibility and freedom to adapt colour temperatures to any installation, they are ideal for use in hospitality and restaurants to simulate warm dimming.

		Lumen Transmissivity
3/4 CTO CCT Shifter	AC-CC-0003-00-S1	60%
1/2 CTO CCT Shifter	AC-CC-0002-00-S1	75%
1/4 CTO CCT Shifter	AC-CC-0001-00-S1	90%

Beam Shaping Snap

CCT Shift Snap enhance or dichroic
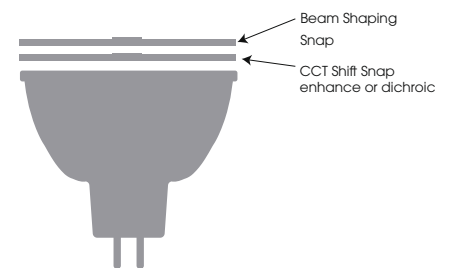
Soraa Enhance Filters

Enhance is a unique colour-enhancing filter. Designed to modify the spectrum of Soraa Vivid lamps, it increases the vividness of warm colours (including red, orange and pink colours) as well as greens. In applications where a more colourful setting is sought, Enhance lets the richness of colours stand out even more.

Soraa Vivid

Enhance Snap

		Lumen Transmissivity
Enhance Lens	AC-EN-0001-00-S1	75%
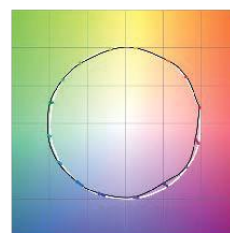
Rf:90, Rg:100

Rw (Whiteness): 120 (2700K & 3000K)

Rf:75, Rg:112

Rw (Whiteness): 130 (2700K & 3000K)

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Product Code Generator

Luminaire Product Code:

Fixture Project Reference: _____   Quantity: _____

1	1	-				-		V	-	V		-		9		-	1	

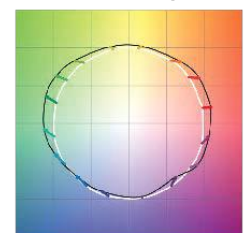| LE	-	2	1	5	-	B	P	-	IP	V	-	7	V	-	10D	9	-	9	27	-	MD	HL	-	CL
		Fire Rated	Low Profile	GU10		Black	Printable			Vivid		7W			10° Degree	95 CRI			2700K		Mains Dimming			

Lamp Type
| 5 | Soraa GU10 |
| 6 | Soraa Gu5.3 |

Baffle Colour
B	Black
W	White
C	Custom Baffle Colour

Plate Finish
-	RAL 9010
P	Paintable
S	Custom Plate Finish

IP Rating
| - | IP20 |
| IP | IP65 |

Lamp Power
| 7 | 7.5W |
| 9 | 9W/9.5W² |

Beam Angle
10D	10° Degree
25D	25° Degree
36D	36° Degree
60	60° Degree
1L2	Linear Diffusion 10 x 36
1L3	Linear Diffusion 10 x 30
1L6	Linear Diffusion 10 x 60
1F2	Flat Top 25 x25
1F3	Flat Top 36 x 36
6FD	Frosted Diffusion
1AL	Aim

Note 2: GU10 9.5W, GU5.3 9W

Colour Temperature
27	2700k
30	3000k
40	4000k

Driver
-	No Driver Required (GU10)
MD	Mains Dimming
D1	Dali Dimming
C1	Casambi Dimming
V1	1-10V Dimming
H2	H2A Dimming

Because of Levello's unique modular construction and that the housing is universal to all the products in the Levello range, we are able to offer project packs where the product is split into 1st and 2nd fix. Which saves time on-site and reduces the risk of parts or lamps getting lost or damaged. The product code for the second fix is the same as above, it just starts with a "3".

First Fix: Housing, Supply Connector and Decorator's cards (Everything required for the installation, electrical testing and ceiling finishing)

LE	-	1		0	0

Fire Rating
| 0 | Non Fire Rated |
| 2 | Fire Rated |

Luminaire + Light Source (Please copy the numbers from above)

LE	-	3	1		-			-	V	-		9		-			-		

Installation and Maintenance

1) Installation

First Fix - Installation of Housing and Finishing of Ceiling

1 Drill 62mm hole

62mm

2 Connect the neutral earth and live wires

3 Insert housing in ceiling, twist to lock in place

4 Insert plastering disk

5 Skim ceiling (Housing lip should be visible after plastering)

6 Skim ceiling flush with the housing edge

7 Remove plastering disk

8 Wipe excess plaster off the lip of the housing with damp cloth

9 Insert painting disk

10 Paint the ceiling

11 Remove painting card

Lip of housing flush with ceiling ✅

Housing buried in plaster ❌

Retrofit hole-saw is available if you are not planning to plastering

Second Fix - Insert Luminaire and Light Source

1 Pull supply connector out of the housing

2 Plug luminaire connector into the supply connector

3 Insert luminaire into the housing

4 Put front plate on (Do not paint on ceiling)

Painting Front Plates

1 Place paintable front plate on a flat surface

2 Apply paint with a small roller

3 Once dried, remove sticker (IP65) and insert front plate into the fittings

NB: Do not paint front plate while in the ceiling

2) Maintenance

Replacement of Lamp

1 Remove luminaire insert from housing

2 Unplug connector

3 Remove lamp from the magnets

4 Fit lamp in between the magnets

5 Plug-in connector and insert into the ceiling

Re-decorating

1 Remove luminaire insert from the ceiling and unplug connector

2 Insert painting card

3 Paint the ceiling

4 Remove painting card

5 Insert luminaire into the housing