

Unios Toolbox

This digital tool provides you with a platform for configuring, bookmarking and collaborating on luminaires for any project.

unios.com/toolbo

LX Configurator

Create a tailor-made linear design in minutes with the pioneering digital tool. With 24/7 access to customised shapes, specifications, IES, BIM and Revit files, there is no limitation to creativity.

unios.com/lxconfigurator

Catalogues

Stay up to date with the latest Unios luminaire releases with our range of product catalogues.

unios.com/catalogues

Education

With contributions from leading experts, Universal Light is dedicated to increasing the awareness of the impact of light and the lighting industry.

unios.com/universallight

White Papers

Learn about the specifics of new technologies and trending topics in methodically researched white papers.

unios.com/whitepapers

Lighting simplified.

Building digital tools. Sharing new knowledge.

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Light without boundaries.

THE TITANIUM STORY CONTINUES









A labour of love and light from Australia.

Find out more at: unios.com/craftedinaus

Since its launch in 2015, the Titanium has grown from a downlight family to an extensive series of ceiling luminaires. The superior design aesthetic combined with the practicality of easy installation and remarkable performance makes the Titanium Series perfect for all applications.

The Titanium Series is known for finish signature to the Unios being industry-leading in colour range and streamlined electrical consistency, minimal in glare and componentry and accessories. excellent in rendering colours. The various mounting options, lenses and accessories make

the Titanium Series a winning combination. This Crafted in Australia series means there is the ability to customise the luminaire to best suit the project aesthetic.

This year, the Titanium Series expands to include a new surface mounted size, new gold



- NEW Latest Updates

- 4 Titanium Surface Mounted Downlight now uses a built-in flicker-free driver







The new small size addition to the Titanium Surface Mounted range allows additional size and power options throughout projects.

This year brings an update to the original Titanium Surface Mounted/Suspended Downlight with a smaller size, improved IP rating and a built-in flicker-free driver.

Small size addition

The Titanium Small Surface Mounted Downlight brings a slimmer, more compact design in an 11W power package. The new small size is available in 130mm or 200mm height, with the option to suspend for pendant applications.

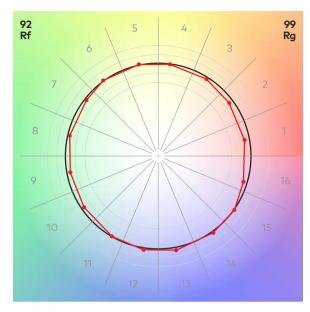
IP44 rating

To extend the usefulness and applications of the luminaire, The Titanium Surface Mounted Downlights IP rating is now IP44. The IP rating update allows a consistent design aesthetic in both indoor and outdoor applications throughout projects.

Built-in Flicker-Free Driver

The upgraded Titanium Surface Mounted Downlights use the second generation flicker-free drivers. Achieving market-leading flicker-free performance in all modern testing methods, the drivers also deliver an increased lifetime with a 5-year warranty.

Technical Specifications



The above diagram demonstrates the colour performance of our CRI92+ Titanium range against the TM-30 Standard.

True-to-life colour performance

The Titanium Series delivers a perfect balance between brightness and colour rendering properties. The superior performance ensures the best result for all applications. Maintaining the natural colour of objects is ideal and an appreciated benefit of the Titanium CRI 92+ and 97+ variations.

L90B10 Lifetime

Industry standards and norms are one measure, but the Titanium Series is committed to an exceptional lifetime measure of up to >55,000h L90B10. The Titanium sources. The MacAdam ellipse provides lasting quality assurance colour measurement of SDCM≤2 with excellent lifetime performance represents a measure where the and confidence for designers and lighting professionals specifying the any colour variations. Titanium Series for their projects.

Up to <13 glare rating

As glare can adversely affect well-being, the Titanium series is designed with a deep recess to reduce glare. This minimalist aesthetic coupled with powerful performance and a ≤13 unified glare rating delivers the most comfortable and beautiful lighting solution.

SDCM≤2 colour consistency

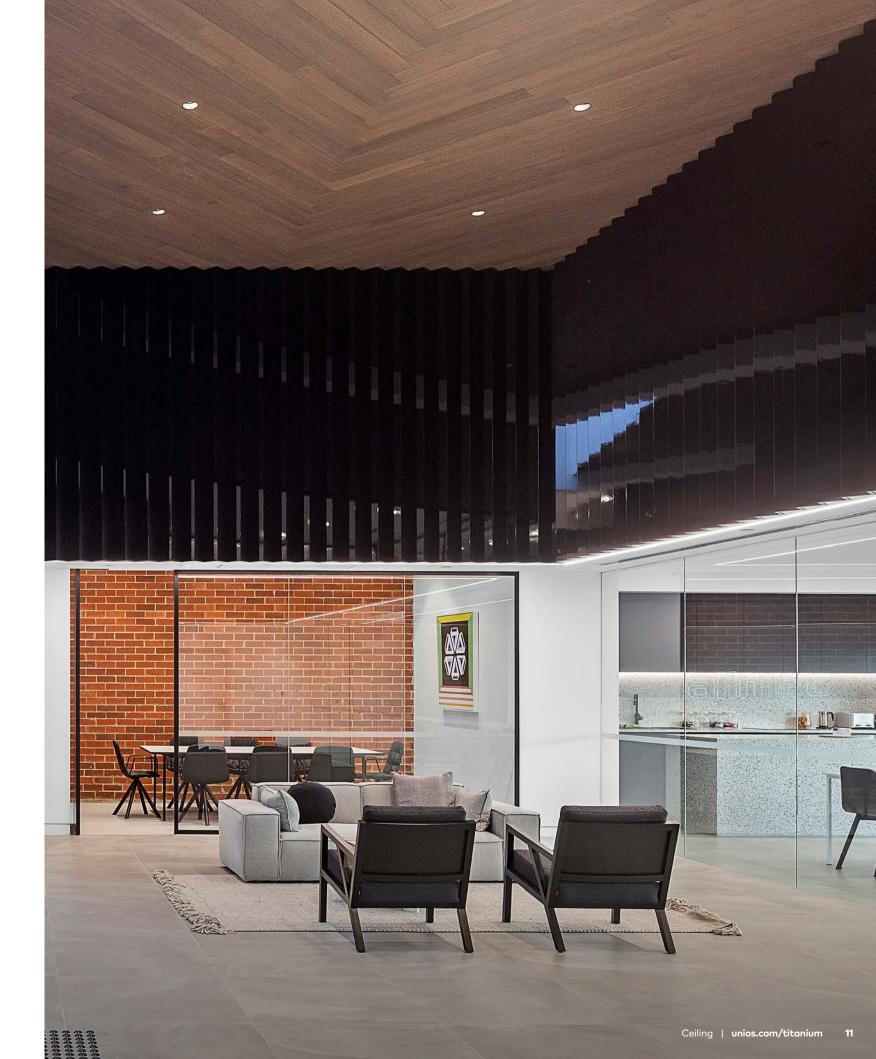
The LEDs in the Titanium Series meet the industry's highestquality standard for colour consistency in artificial light human eye cannot distinguish

To find out more about the new colour standard, please reference our white paper on TM-30.

Find out more at: unios.com/tm30whitepaper

The Titanium Series Product Summary

- Lifetime: Up to >55,000h L90B10
 Colour Deviation: SDCM≤2
- 3 CRI: Up to 97+/>90
- 4 UGR: Up to <13





One family. Unlimited potential.

Over the years, the Titanium family has evolved from a single base model to a series with four unique trims - micro trim, curved, semi-trim and the starlight. Each luminaire boasts a variety

of sizes, power options, beam angles, a suite of optics and accessories to enable you to deliver unique lighting signatures dependent upon project application and requirements.

Fascia Accessories

- 1 Titanium Downlight
- Asymmetrical Fascia

 Titanium Downlight
 Wide Trim Fascia



Titanium Downlight

Excellent optics and low glare coupled with 25° of adjustability make this the flagship luminaire.



Titanium Curve Downlight

Rounded from the edge, the inward sloping trim creates a unique uninterrupted ceiling aesthetic.



Titanium Starlight

The deep recessed design and trimless body are perfectly suited to minimal and contemporary settings.



Titanium Semi Recessed Downlight

The protruding lip design adds a refined and unique touch to the ceiling.



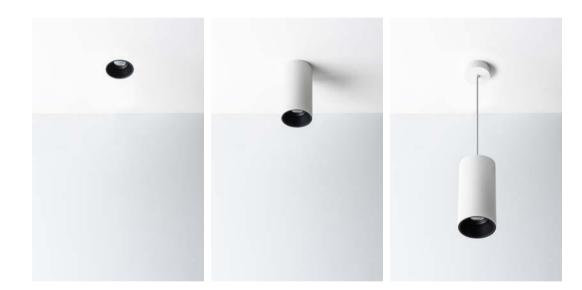
Titanium Surface Mounted/ Suspended Downlight

The favourite in the Titanium Series in a surface mounted/ suspended form.



Titanium Surface Mounted/ Suspended Starlight

With 4 different heights, the Titanium Starlight can be surface mounted or suspended. Versatile application, perfect for any project.



1 Recessed

Recessed downlights offer a clean and minimal finish while maximising the space within a room. Recessed options range from an adjustable recessed downlight, starlight, semi-recessed and a standard CRI 97+ curve.

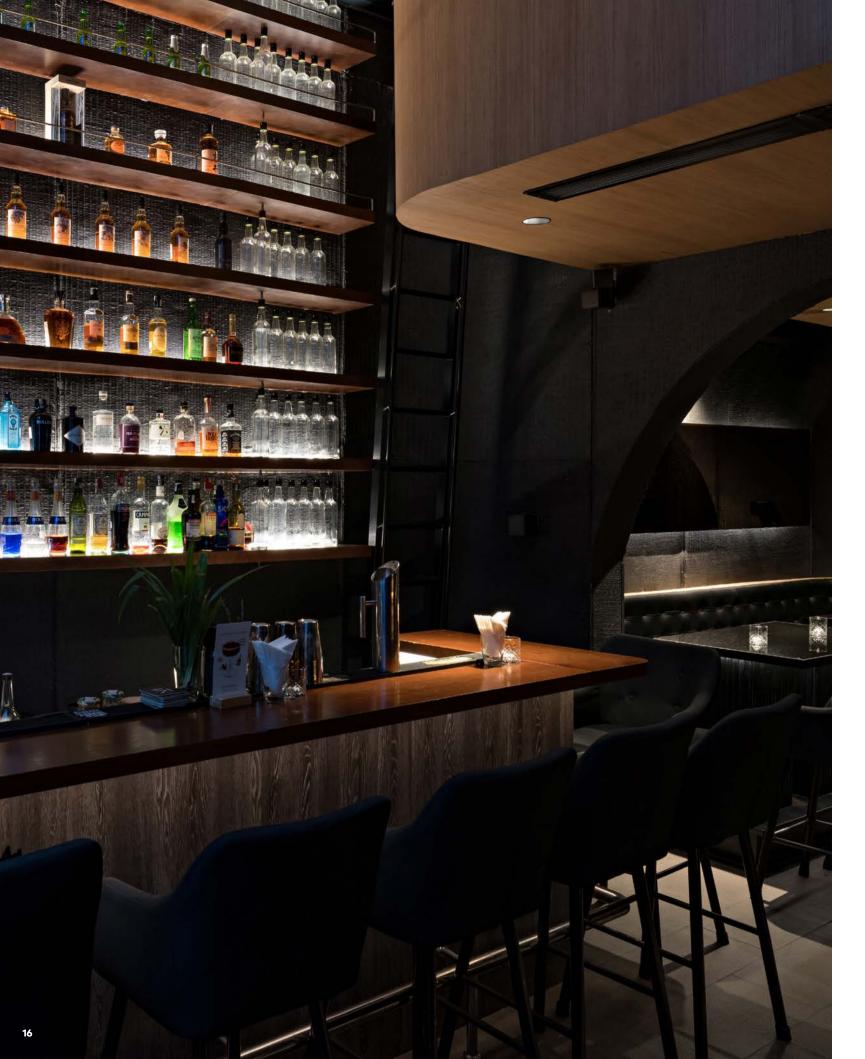
② Surface mounted

The ideal choice for ceilings with minimal in-ceiling spaces. Surface mount range includes canisters in 46mm, 88mm and 102mm dimensions at different heights, suitable for the starlight or downlight models.

3 Suspended

The ideal choice for high ceilings with cable lengths up to 3000mm. Suitable for the Starlight and Surface Mounted models, the pendant kit accessory has been re-engineered to be a universal fit for all sizes.





A complete option for beam angle customisations











The Titanium's standard shape and spread of light, i.e. the spatial distribution, is symmetrical, extending equidistantly from the centre. The lumen output is diminished at the outer limits but even around the beam.

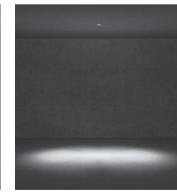
Various optics and accessories can alter the beam and deliver a remarkable and unique lighting solution. Adding to the flexibility of the existing options, the linear lens adds an elliptical beam option with the asymmetrical allowing the use of Titanium for a more forward throw effect.

Beam Accessories

- 1 Linear Lens
- 2 Asymmetrical Fascia



Standard Beam



Elliptical Beam 36° beam w/ Linear Lens



Asymmetrical Beam 36° beam w/ Asymmetrical Fascia

Redefine aesthetics with a complete suite of accessories.



Honeycomb Optic

The Honeycomb Optic provides two planes of glare control. With its hexagonal cell structure, the Honeycomb Optic can reduce glare from all viewing angles and provide an aesthetic finish.



Linear Lens

The Linear Lens produces an elliptical distribution of light, making it ideal when lighting elongated surfaces that typically require two standard luminaires.



Asymmetrical Fascia

Directing light at an angle, the Asymmetrical Fascia creates a forward throw light effect. It is also ideal for projects with angled ceilings that require standard light distributions on the floor.

Refer to each products specification page for each models accessory compatibility.



Wide Trim Fascia

The Wide Trim Fascia is the perfect solution for projects with concrete ceilings. With its wide trim design, this fascia option acts as an effective and minimal coverup for any cut-out imperfections.

Featured Project: Arthur & Co

As seen on the image on the right, the Linear Lens is assisting in efficiently highlighting dining tables for guests to see and enjoy their meal.

See project inspiration: unios.com/arthurandco



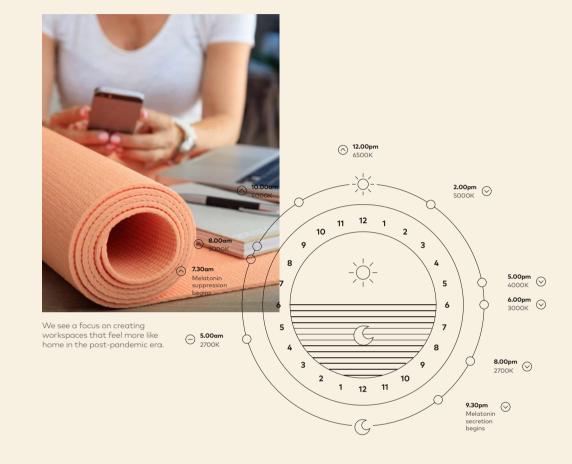
Living with light



Melanopic effect

Melatonin is our sleep hormone. Suppression typically begins at 7.30am when the sun rises to keep us alert throughout the day. Then, around 9.30pm, melatonin secretion starts to help us wind down at the end of the day.

Although biomorphism is controlled by natural light, artificial light needs to respect our natural circadian rhythms to maintain healthy lives.



As we move forward through the pandemic, there is focus on bringing the comforts of home into the workspace – creating environments that feel inviting and safe.

Human-centred design

Progressively, we see workplaces designed for people rather than solely designed for the work that needs to be done. Part of the paradigm shift is adjusting the standard mindset of 4000K in workplaces. So instead, we should see a rise in 3500K, 3000K or even 2700K in certain environments.

Shifting design trend

Future trends are drawing design inspiration from hotels and the hospitality industry. Designers are using layers of light, 'non-standard' beam angles and various optics to deliver unique concepts. With individualised luminaire control, modification for the specific requirements of the inhabitant is entirely possible.

Colour temperature flexibility

As businesses look to condense the overall footprint of a single space, we see a rise in the increase of adjustable CCT requirements. This will allow one room to have warm temperatures for breakout and meditation and cooler temperatures for meetings and collaborations.

As colour temperature plays a critical role in the post-pandemic lifestyle, flexible colour temperature selection is more important than ever. The Titanium Series has a multitude of options, from static CCT to dusk dimming or tunable white.

Dusk dimming



Tunable White



3000K 2500K 1800K

Dusk dimming technology

With innovative dusk dimming technology, the Titanium Series stimulates and mimics the natural appearance of a sunset. Adjust the colour temperature in residences, restaurants, bars and hotels to dusk lighting can provide ambience and a comfortable atmosphere.

6500K

3000K

2700K

Tunable White

Adjust colour temperatures between 2700K to 6500K with the Titanium tunable white option. Tunable white technology supports our natural circadian rhythm as the colour temperature can be automated to mimic natural lighting patterns in our internal spaces throughout the day.

Ceiling | unios.com/titanium 21

Applications



Right – Iona Presentation College

Unios Luminaires: Titanium Surface Mounted Downlight, LX Infinity Linear Light

Left – Research Primary School

Unios Luminaires: Titanium Downlight





Unios Luminaires: Titanium Suspended Starlight, Titanium Downlight, Arrow Linear Light



Applications



Unios Luminaires: Titanium Downlight

Left – 52/3 Kitchen & Bar

Unios Luminaires: Titanium Downlight, Shift Out Downlight, Marc Wall Light





Left – Il Mio Cafe Unios Luminaires: Titanium Downlight



Applications



Left – Clarence St

Unios Luminaires: Titanium Surface Mounted Downlight, Eclipse Linear Light



Right – Selbourne Road

Unios Luminaires: Titanium Downlight





Which Titanium is best for me?

The selection and customisation process for our Titanium Family can be quite daunting. With each model made to cover different types of projects, we have created a selection matrix below to assist you in choosing the right luminaire that will best suit your requirements.

Titanium Series	
Titanium G2 Downlight	30
Titanium Curve Downlight	32
Titanium Semi Recessed Downlight	34
Titanium Starlight	36
Titanium Surface Mounted / Suspended Downlight	38
Titanium Surface Mounted / Suspended Starlight	40

	3	8	5	6			
	Titanium Downlight	Titanium Curve Downlight	Titanium Semi Recessed Downlight	Titanium Starlight	Titanium Surface Mounted Downlight	Titanium Surface Mounted Starlight	
Finish	• • •			ullet	• • •	•••	
Mounting		Recessed				Surface Mounted, Suspended	
Power	11W, 13W, 25W	11W, 15W, 25W	2W, 9W, 15W	5W	11W, 13W	5W	
Absolute Luminous Flux	Up to 2526lm	Up to 2358lm	Up to 1489lm	Up to 476lm	Up to 1225lm	Up to 476lm	
Colour Temp		2700K, 3000K, 4000K					
Tunable White	2700K-6500K		-			-	
Dusk Dimming	3000K-1800K		-		3000K-1800K	-	
Beam	15°-75°	15°-60°	15°-50°	36°-50°	15°-75°	36°-50°	
Elliptical Beam (E)	15x60°-50x80°	15x60°-50x80°	-		15x60°-50x80°	-	
Glare Rating	<16	<16, <19	<13, <16	<13	<16	<13	
CRI	92+, 97+	97+	92+	92+	92+, 97+	92+	
IP Rating	IP44 (Ro	pomside) IP54 IP65		IP44 (Roomside), IP20 (Suspended)	IP20		
Adjustability	25°	-	-	-	25°	-	
Control	Phase-Cut, DALI, Bluetooth, 1-10V						

■ Textured White/Gold ■ Textured Black/White ■ Textured White/Black

Titanium G2 **Downlight Series**









Small Measurements (mm)

Ø 84 (\$76)

11W (300mA)

1004lm (at 3000K)

1027lm (at 4000K)

15° (P) | 36° (M)

60° (W) | 75° (F)

Medium Measurements (mm)

Measurements (mm)





Absolute Luminous Flux Absolute Luminous Flux 13W (350mA) 1188lm (at 3000K)

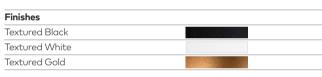
1226lm (at 4000K)

15° (P) | 36° (M) 60° (W) | 75° (F)

Ø 134 (125) Absolute Luminous Flux

25W (700mA) 2421lm (at 3000K) 2526lm (at 4000K) Beam

15° (P) | 36° (M) 60° (W) | 65° (F)



General Specifications	
Material	Powder Coated Aluminium
UGR (Unified Glare Rating)	<16
IP	44 (Roomside)
Warranty	5 Years
LED	
Colour Temp	2700K, 3000K, 4000K, 3000K–1800K (Dusk)¹, 2700K–6500K (Tunable White)
CRI (Ra/R9)	92+/>50, 97+/>90²
Efficacy	Up to 87lm/W
Colour Deviation	SDCM≤2, SDCM≤3 (Dusk)
Lifetime	>55,000h L90B10

Driver

240V Remote Flicker-Free Phase-Cut Dimmable Driver (FP)

240V Remote Tridonic one4all DALI Driver (TD) 240V Remote Tridonic basicDIM Bluetooth Driver (TB)

240V Remote Tridonic one4all DALI DT8 Driver (T8)







Beam Options

Asymmetrical Fascia Pencil | 15° (P)



30° 2113 30° Medium | 36° (M)

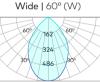




Honeycomb Lens



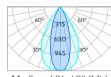
Frosted Lens



60° 313 60° 626

Flood (Frosted) 65°, 75° (F)





Medium | 36x60° (ML)

Notes

¹Dusk dimming is not available in Titanium Large.

²For CRI 97+ lumen outputs and polar diagrams, please refer to the Unios Toolbox.

³Wide Trim Fascia is suitable in the Medium variation for concrete applications.

A unique curved downlight design with an extensive range of options







Small Measurements (mm)

Medium Measurements (mm)

Large Measurements (mm)



Absolute Luminous Flux

11W (300mA)

915lm (at 3000K) 937lm (at 4000K)

15° (P) | 24° (N)

36° (M) | 60° (W)

General Specifications

UGR (Unified Glare Rating)





Absolute Luminous Flux

15W (400mA) 1284lm (at 3000K) 1315lm (at 4000K)

36° (M) | 60° (W)

15° (P) | 24° (N)

Powder Coated Aluminium

>55,000h L90B10

<16 (Small/Large), <19 (Medium)



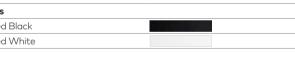
Absolute Luminous Flux 25W (700mA) 2300lm (at 3000K) 2358lm (at 4000K)

15° (P) | 24° (N) 36° (M) | 60° (W)



Material

Textured Black Textured White



IP	44 (Roomside)
Warranty	5 Years
LED	
Colour Temp	2700K, 3000K, 4000K
CRI (Ra/R9)	97+/>90
Efficacy	Up to 84lm/W
Colour Deviation	SDCM≤2

Lifetime

240V Remote Flicker-Free Phase-Cut Dimmable Driver (FP)

240V Remote Tridonic one4all DALI Driver (TD) 240V Remote Tridonic basicDIM Bluetooth Driver (TB)



Create a more uninterupted ceiling aesthetic with an inward sloping trim design

Available in a range of beam angles

Accessories



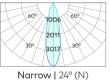


Beam Options

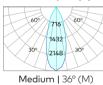
Linear Lens

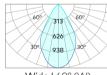


Honeycomb Lens



Pencil I 15° (P)





Wide | 60° (W)



The adaptable downlight designed to maximise performance with a unique lighting gradient effect







Micro Measurements (mm)

Small Measurements (mm)

Medium Measurements (mm)





Ø 42 (\$\mathref{G}\$ 35)

Absolute Luminous Flux Absolute Luminous Flux 2W (700mA) 152lm (at 3000K) 179lm (at 4000K)

9W (250mA) 849lm (at 3000K) 905lm (at 4000K)

Ø 78 (\$\mathcal{O} 68)

15° (P) | 33° (M) 50° (W)



Absolute Luminous Flux 15W (400mA) 1263lm (at 3000K) 1489lm (at 4000K)

15° (P) | 33° (M) 50° (W)

Driver

Small, Medium: 240V Remote Flicker-Free Phase-Cut Dimmable Driver (FP)

Micro: 240V Remote Non-Dimmable

240V Remote Tridonic one4all DALI Driver (TD) 240V Remote Tridonic basicDIM





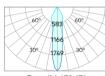


Its semi recessed design creates a unique gradient of illumination from dark to light

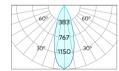
Minimal glare with a UGR down to <13

Protruding trim adds a refined touch to break up ceiling surfaces

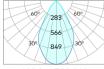
Beam Options



Pencil | 15° (P)



Medium | 30°, 33° (M)



Wide | 50° (W)



Textured Black Textured White

19° (N) | 30° (M) 50° (W)

General Specifications Material Powder Coated

Aluminium UGR (Unified Glare Rating) Micro

Small, Medium <16 54 (Roomside)

Warranty 5 Years

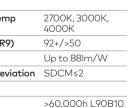
LED 2700K, 3000K, 4000K Colour Temp CRI (Ra/R9) 92+/>50 Up to 88lm/W Efficacy Colour Deviation SDCM≤2 Lifetime

Small, Medium

72.+ Co UGR UGR (3) IC-4

(CR) (CO) (43) (46) (3) IC-4

Bluetooth Driver (TB)



>55,000h L90B10

Titanium Starlight



Measurements (mm)

Ø 43 (**Ø** 38)

Absolute Luminous Flux			
5W (150mA)			
468lm (at 3000K)			
476lm (at 4000K)			
Beam			
36 (N) 50° (W)			

Finishes Textured Black Textured White Textured Gold

General Specifications	
Material	Powder Coated Aluminium
UGR (Unified Glare Rating)	<13
IP	65 (Roomside)
Warranty	5 Years
LED	
Colour Temp	2700K, 3000K, 4000K
CRI (Ra/R9)	92+/>50
Efficacy	Up to 81lm/W
Colour Deviation	SDCM≤2
Lifetime	>55,000h L90B10

Driver

240V Remote Phase-Cut Dimmable Driver (PC)

240V Remote Osram DALI Driver (OD)







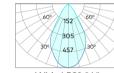




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Narrow | 36° (N)



Wide | 50° (W)

Titanium G2

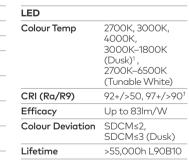




Small	Medium
Measurements (mm)	Measurements (mm)
130mm	130mm
88 Ø	Ø 102
200mm	215mm
00 500 88 80	9102 Ø 102
Absolute Luminous Flux	Absolute Luminous Flux
11W (300mA) 1004lm (at 3000K) 1027lm (at 4000K)	13W (350mA) 1188Im (at 3000K) 1226Im (at 4000K)
Beam	Beam
15° (P) 36° (M) 60° (W) 75° (F)	15° (P) 36° (M) 60° (W) 75° (F



General Specifications			
Material	Powder Coated Aluminium, 3 Core Fabric Cord (pendant kit)		
UGR (Unified Glare Rating)	<16		
IP	44 (Roomside), 20 (Pendant)		
Warranty	5 Years		



D	river
	XXmm: 240V Built-in Flicker-Free hase-Cut Dimmable Driver (FP)
	30mm: 240V Remote Flicker-Free hase-Cut Dimmable Driver (FP)
_	40V Remote Tridonic one4all DALI river (TD)
_	40V Remote Tridonic basicDIM luetooth Driver (TB)
_	40V Remote Tridonic one4all DALI T8 Driver (T8)



Pencil | 15x60° (PL)

Medium | 36x60° (ML)

N	o	25

¹For CRI 97+ lumen outputs, please refer to the values on the Unios Toolbox.





260	
Measurements (mm)	1
Surface Mounted	

Ø 46 — 1 · 260

Absolute Luminous Flux

5W (150mA)

468lm (at 3000K)

476lm (at 4000K)

36 (N) | 50° (W)

400 Measurements (mm) Surface Mounted

Absolute Luminous Flux

5W (150mA) 468lm (at 3000K)

476lm (at 4000K)

36 (N) | 50° (W)

600

Measurements (mm)

Surface Mounted



Absolute Luminous Flux 5W (150mA) 468lm (at 3000K) 476lm (at 4000K)

Beam 36 (N) | 50° (W)

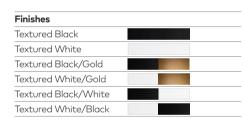


800

Measurements (mm)

Surface Mounted

476lm (at 4000K) Beam 36 (N) | 50° (W)



General Specifications Material

Powder Coated Aluminium UGR (Unified Glare Rating) <13 20 Warranty 5 Years

LED	
Colour Temp	2700K, 3000K, 4000K
CRI (Ra/R9)	92+/>50
Efficacy	Up to 77lm/W
Colour Deviation	SDCM≤2
Lifetime	>55,000h L90B10
CRI (Ra/R9) Efficacy Colour Deviation	92+/>50 Up to 77lm/W SDCM≤2

240V Built-in Phase-Cut Dimmable Driver (PC)

Surface Mounted: 240V Built-in Osram DALI Driver (OD)

Suspended: 240V Remote Osram DALI Driver (OD)¹

Notes

Luminaire and surface mounted/suspended canister sold separately.

¹Built-in Osram DALI Driver available for suspended model upon request.



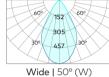




300 733

Beam Options

Narrow | 36° (N)

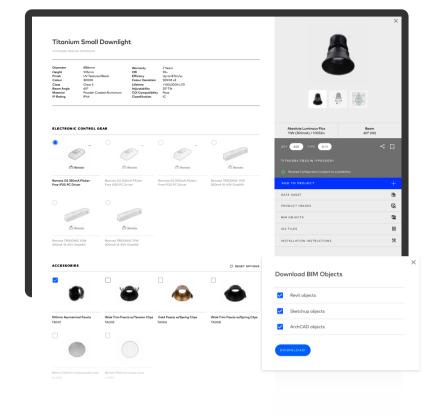


Accessories



55mm Pendant Kit (3000mm Cable)





From design to documentation in seconds

Best-in-class product configuration tools

With different design and performance criteria for every project, discovering and configuring the right luminaire needs to be a seamless process. With the Unios Toolbox, you can filter through thousands of variations in seconds.

Export customised PDF and Excel lighting schedules

Project lighting can quickly get complex and time-consuming. We've developed a suite of tools to allow you to build a luminaire schedule, export it in PDF or Excel formats and integrate it back into your own project workflow.

More data accessibility than ever before

BIM objects, IES files, customised data sheets and product images are all easily accessible for your project requirements. All product variations are presented with a holistic view of each data point and piece of documentation you may require.

Special Thanks

This publication wouldn't be possible without the ongoing support of our project partners, distributors and photographers who have assisted in providing content.

More Information

For additional technical information and to access our full library, visit unios.com. Our library contains a comprehensive database of BIM objects, IES files and product imagery.

Instagram: instagram.com/unioslight Facebook: facebook.com/unioslight LinkedIn: linkedin.com/company/unios YouTube: unios.com/youtube Pinterest: pinterest.com/unioslight









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