

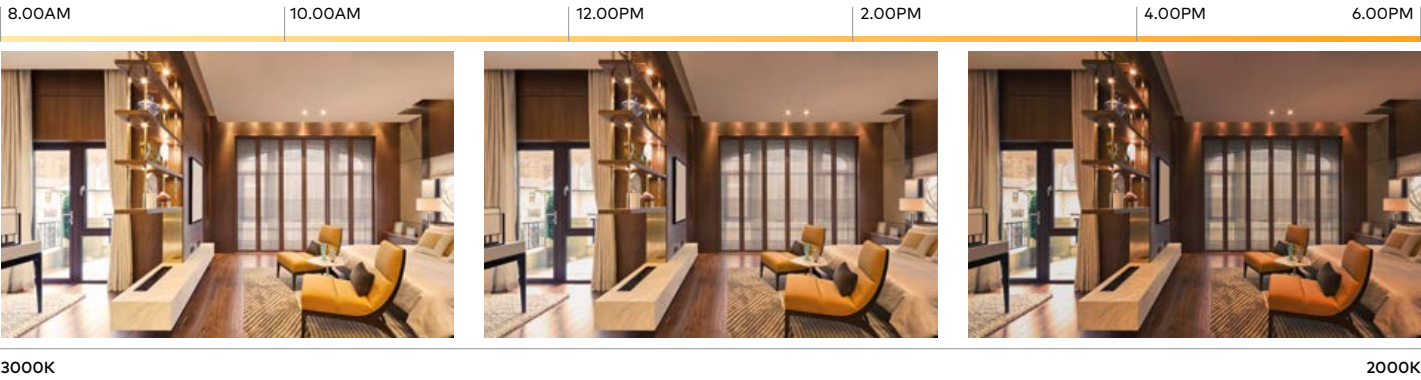
Dusk Series

DOWNLIGHT

Simulate the nature of dusk light with the Dusk Series. Adjust the colour temperature in homes, bars, restaurants and hotels throughout the day to improve ambience and productivity.

The perfect ambience in residential and hospitality projects is now possible with revolutionary sunset dimming technology. Inspired by sunsets, this technology emulates the light of the sun going down. The Dusk Series delivers an innovative LED system that can be dimmed from 3,000K to 2,000K. This Dusk Series is available in the form of our signature Titanium Downlight or Apex Downlight.

In certain applications such as hotels and restaurants, a warmer atmosphere and ambience is desired. Previously, the only option to achieve this was through traditional halogen lamps. With the Titanium Dusk Downlight's sunset dimming technology, this ambience can be achieved with state-of-the-art LEDs whilst reaping all the energy and performance benefits of LED technology.



For hotels in the morning, a brighter 3000K colour temperature allows for practical task lighting to start the day off.

During the day, the colour temperature can be adjusted to a warmer 2700K for an inviting but still bright ambience.

At the end of the night, the colour temperature can be dimmed down to a warm 2000K for a softer and more comfortable atmosphere.



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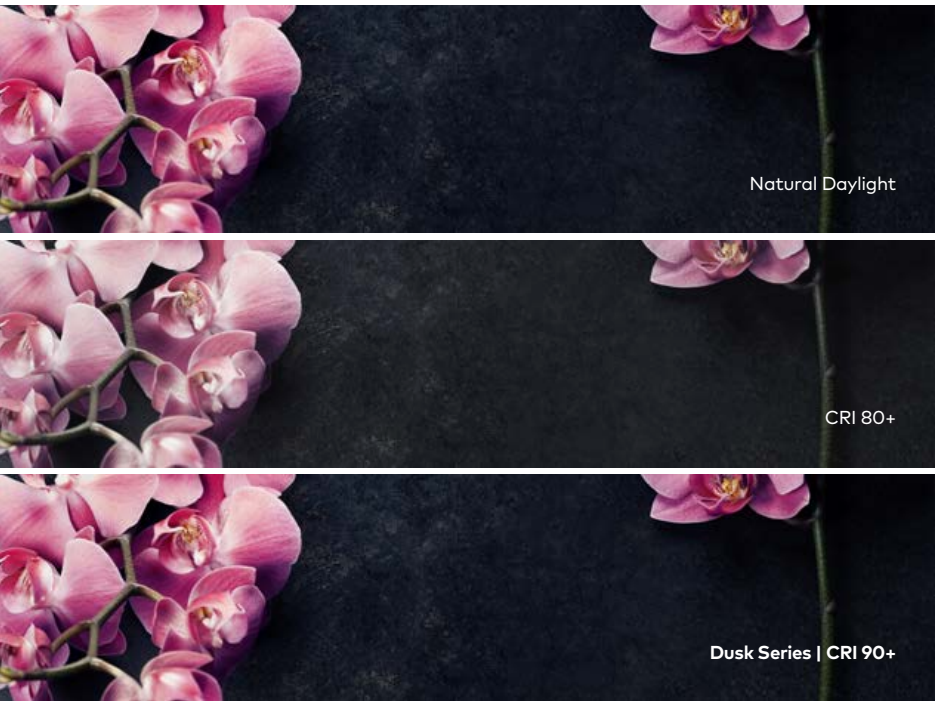
Colour Tuning / CRI 90+

DOWNLIGHT

The Dusk Series delivers class-leading colour quality with a CRI of 90 that is unmatched in this type of colour tuning technology.

The CRI of a luminaire describes how naturally a source of light displays a set of different test colours. It is a measure of a light source's ability to replicate true colours. With the onset of LED technology that allows colour tuning, not all types of this technology are developed the same to produce excellent colour rendering.



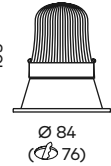
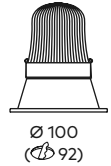
With extensive research and development, we made brilliant colour rendering a key criteria to our implementation of colour tuning technology. With this higher CRI, our Dusk Series is able to replicate the quality of colour that natural daylight represents. From the warmest white to a warm white, you can be assured superior colour rendering in the Dusk Series.



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Dusk Series

TITANIUM DUSK DOWNLIGHT

	
Small (84mm)	Medium (100mm)
Measurements (mm)	Measurements (mm)
 105 Ø 84 (Ø 76)	 115 Ø 100 (Ø 92)
Absolute Luminous Flux	Absolute Luminous Flux
13W (350mA) 805lm (at 3000K)	13W (350mA) 805lm (at 3000K)
Beam	Beam
15° (P) 36° (M) 60° (W) 75° (F)	15° (P) 36° (M) 60° (W) 75° (F)

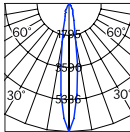
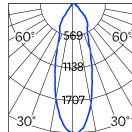
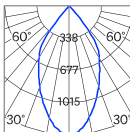
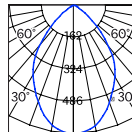
Finishes
UV Textured Black
UV Textured White

General Specifications
Material Powder Coated Aluminium
IP 44 (Room side only)
UGR (Unified Glare Rating) <16
Warranty 7 Years






LED
Colour Temp 3000K – 2000K
CRI 90+
Efficacy Up to 56lm/w
Colour Deviation SDCM≤3
Lifetime >60,000h L70

Driver
Power Factor >0.90
240V Remote PC Dimmable Driver
Dimming LED Phase-Cut Dim (PC) DALI Dim Optional

Notes
To operate Dusk technology, an LED Phase Cut Dimmer must be used.

Photometrics	
 <p>A photometric diagram for a 15° beam angle. It shows a circular light distribution with concentric circles representing beam diameter. The central beam diameter is 1785, and the outer diameter is 5385. The diagram is divided into 60° and 30° sectors.</p>	 <p>A photometric diagram for a 36° beam angle. It shows a circular light distribution with concentric circles representing beam diameter. The central beam diameter is 569, and the outer diameter is 1787. The diagram is divided into 60° and 30° sectors.</p>
$\alpha = 15^\circ$	$\alpha = 36^\circ$
 <p>A photometric diagram for a 60° beam angle. It shows a circular light distribution with concentric circles representing beam diameter. The central beam diameter is 338, and the outer diameter is 1015. The diagram is divided into 60° and 30° sectors.</p>	 <p>A photometric diagram for a 75° beam angle. It shows a circular light distribution with concentric circles representing beam diameter. The central beam diameter is 160, and the outer diameter is 496. The diagram is divided into 60° and 30° sectors.</p>
$\alpha = 60^\circ$	$\alpha = 75^\circ$ (Frosted)

Accessories	
Fascias (paired with 84/100mm models)	
	
Ø 100	Ø 110
TA001 (Black) TA002 (White)	TA003 (Black) TA004 (White)
<i>Asymmetrical Fascia</i>	<i>Concrete Fascia</i>
<i>Use this fascia to achieve an asymmetrical beam angle</i>	<i>A wider trim fascia to install with concrete canisters</i>
	
TA005 (for 84mm) TA006 (for 100mm)	FL001 (for 84/100mm) FL002 (for 134mm)
<i>Gold Fascia</i>	<i>Frosted (75°) Lens</i>
	
HL003 (for 84/100mm) HL004 (for 134mm)	
<i>Honeycomb Lens</i>	



Chip on Board (COB) Technology

To eliminate uniformity issues of multiple emitters in other colour tuning technology, we have equipped all Dusk Series luminaires with COB technology. This not only improves performance but also allows for an alluring clear lens aesthetic that wouldn't be possible in other forms of colour tuning technology.



A	B	C	D	E	F	A	Product Family	B	Diameter	C	Finish	D	CCT	E	Beam	F	Driver (DALI drivers can be configured via Product Toolbox)
TITA	0084	TB	DK	M	-	TITA	Titanium Dusk Downlight	0084 0100	84mm 100mm	TB TW	Textured Black Textured White	DK	Dusk	P M W F	Pencil Medium Wide Flood	PC035001	350mA 21-42V Phase Cut
Example: TITA0084.TB.DK.M-PC035001																	
Refer to data sheet for available configurations. Visit Product Toolbox at unios.com/titaniumdusk to configure compatible Osram/Tridonic DALI drivers.																	



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