

astro

DOWNLIGHT PRO  
RANGE

# Introduction

Building on our trusted heritage, Downlight PRO is a range of fully configurable downlights offering architectural aesthetics combined with premium functionality.

Enabling you to create bespoke lighting solutions with ease, our streamlined specification experience delivers a complete luminaire tailored to your project needs.

## Multiple combinations

- ▶ 4 Downlight PRO families
- ▶ 21 Downlight styles
- ▶ 2 Light engine specifications
- ▶ 3 Lens options
- ▶ 3 Optical accessories
- ▶ 2 Dimming options



# Product overview

## Light engines

Select from multiple light engine solutions to suit differing project requirements

**Edge** Optimised for general lighting, providing a balance of light quality and efficacy to meet building standards compliance

**Essence** Designed for high-end interiors requiring premium light quality and visual comfort

## Lens options

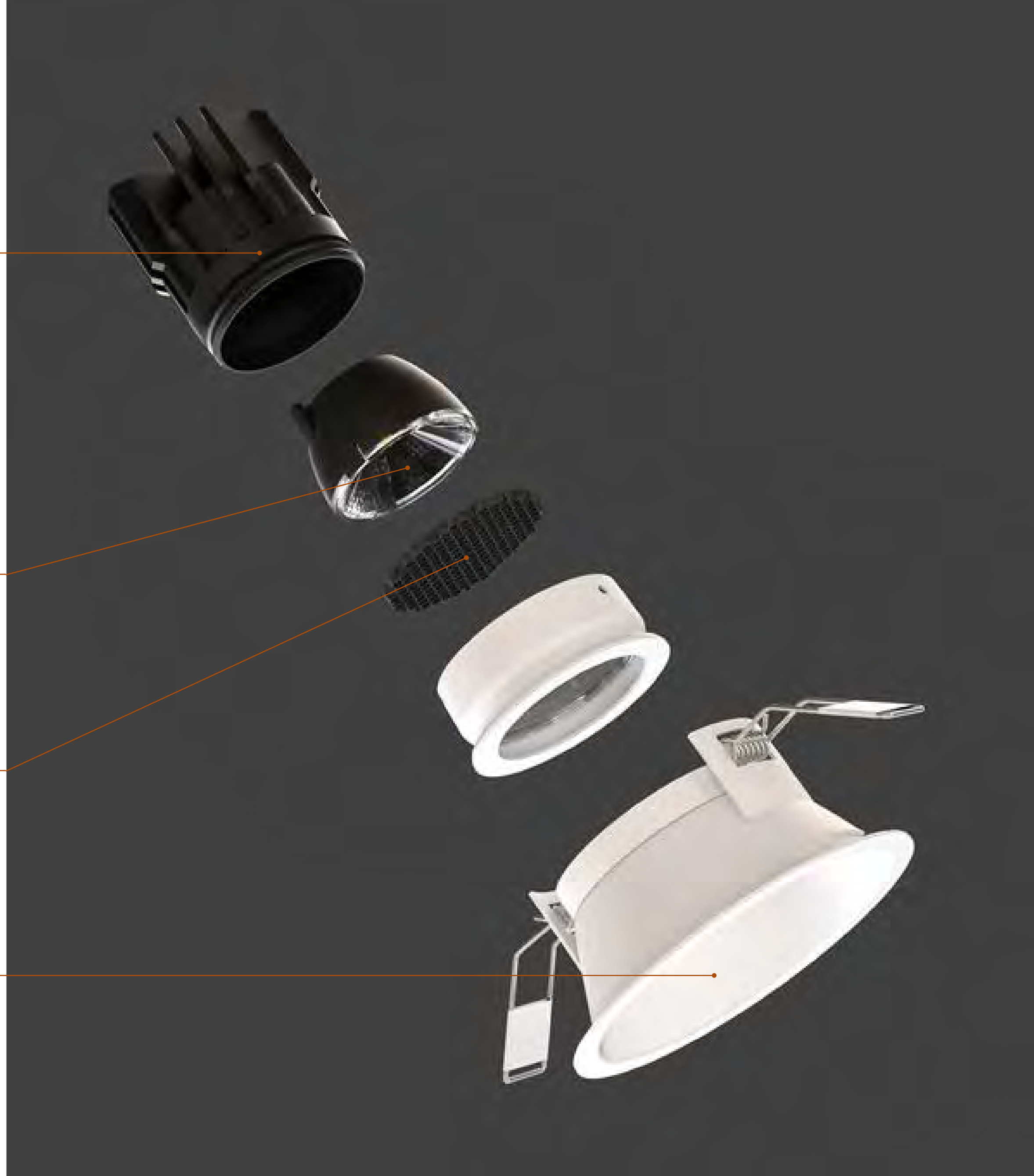
Narrow beam  
Medium beam  
Wide beam

## Optical accessories

Honeycomb  
Diffuser  
Linear

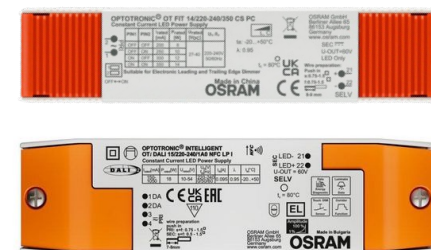
## Downlight PRO families

Minima  
Trimless  
Pinhole  
Decor



## Driver options

Phase cut  
DALI



# Downlight PRO styles



Round Fixed



Square Fixed



Round Adjustable



Square Adjustable



Round Flush Fixed



Round Flush Adjustable



Round 25

● ■ Minima PRO



IP65 | 🔥



IP65 | 🔥



IP20 | 🔥



IP20 | 🔥



IP65 | 🔥

● ■ Pinhole PRO



IP65 | 🔥



IP65 | 🔥



IP20 | 🔥



IP20 | 🔥



IP65 | 🔥



IP20 | 🔥

● Trimless PRO



IP65 | 🔥



IP20 | 🔥

● Decor PRO



IP20



IP20



IP20

🔥 Fire rated

# Performance, reliability + service you can trust

## Stock availability

Key lines held in stock at all times

## Assembled in-house

Precision built at our Harlow HQ for quality assurance

## Fast order turnaround

UK orders assembled and dispatched within 10 working days (T&C's apply)

## Easy specification

Simple online configuration for hassle-free selection process

## Value driven pricing

Competitive and transparent terms to support your project requirements

## Comprehensive service

Dedicated UK customer care and technical support

## Trusted warranty

Backed by a 5-year warranty for peace of mind (T&Cs apply)



# Light engines

## EDGE

### Performance meets efficiency

A perfect balance of illumination and efficacy, utilising advanced narrow-band phosphor technology. Designed to deliver quality lighting and value for money, lighting larger spaces with ease.

**Key applications** Ideal for general lighting in public and commercial spaces, including corridors, entrances, hotels, and residential developments.

## ESSENCE

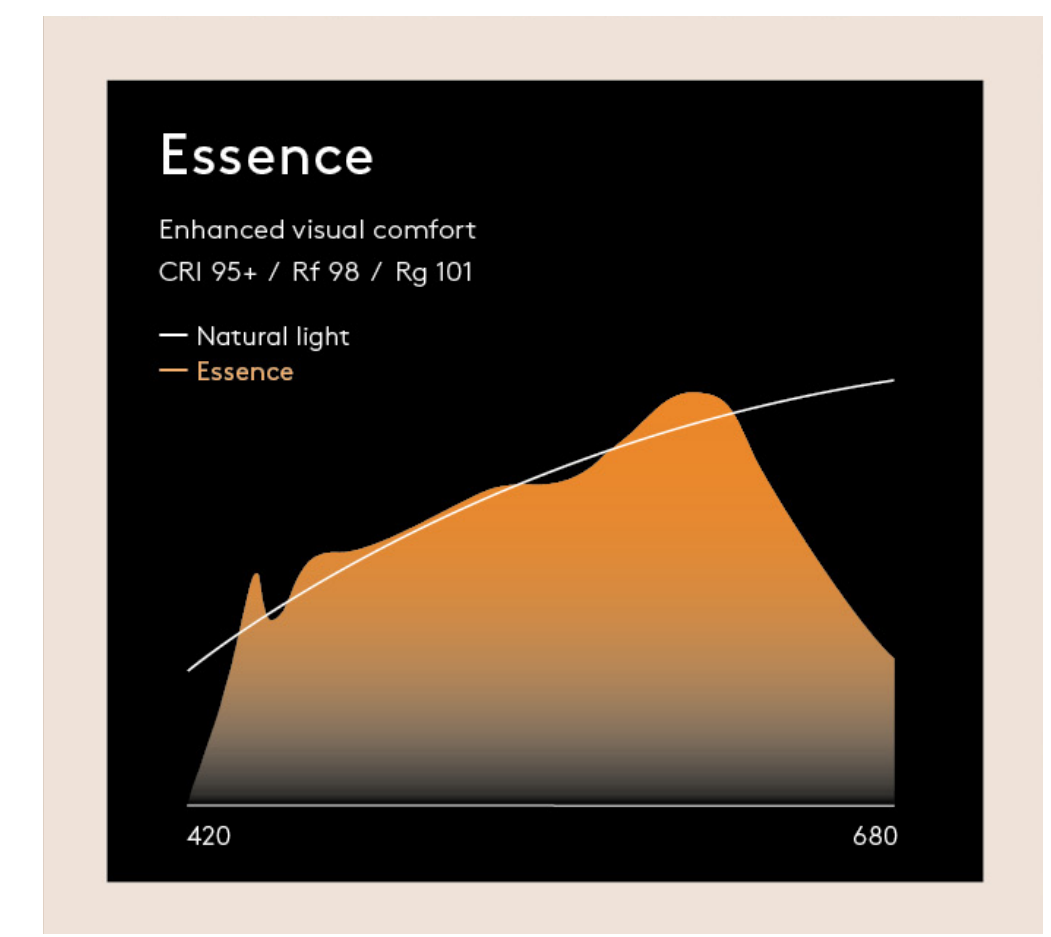
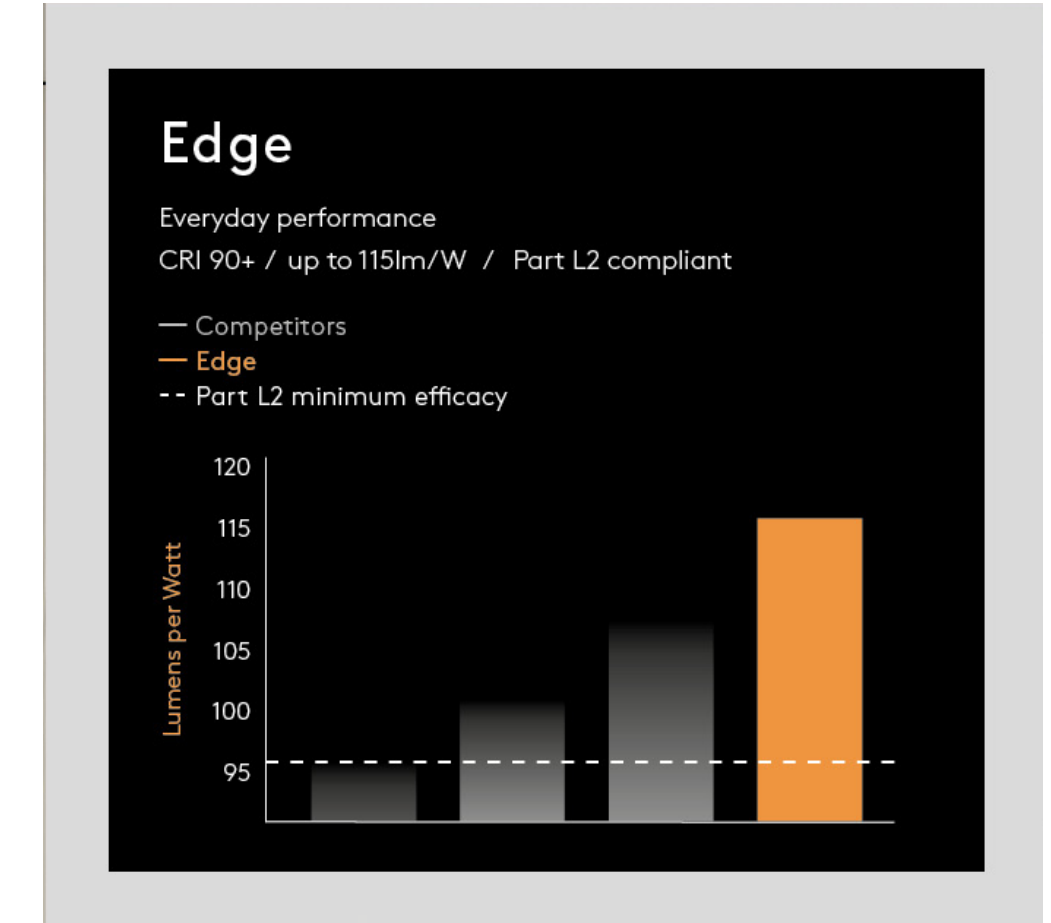
### High quality, natural light

Experience high-quality lighting with vibrant colour rendering and a full-spectrum natural light output. Essence ensures an inviting atmosphere without compromising on performance.

**Key applications** Ideal for high-end residential spaces where quality and comfort are paramount. Perfect for living areas, bedrooms, and hospitality environments.

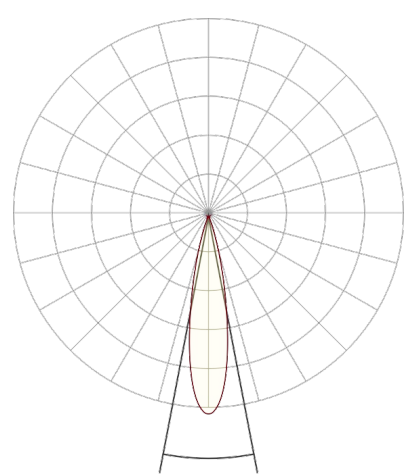
\*Custom colour temperatures available on request, contact us to discuss your project's specific needs.

	EDGE			ESSENCE					
	2700K			3000K			2700K		
	Narrow	Medium	Wide	Narrow	Medium	Wide	Narrow	Medium	Wide
CCT									
Lens									
Light source lumens (lm)	1834			1872			1127		
Light source rating (W)	10.3			10.3			10.2		
Light source lm/W	178			182			110		
Engine lumens (lms)	1201	1205	1252	1291	1357	1309	856	891	884
Engine rating (W)	11.8			11.8			11.8		
Engine lm/W	103	102	107	108	115	111	73	76	75
Engine intensity (Cd)	6612	4715	2312	6866	5005	2386	4852	3508	1677
Forward voltage	34.5			34.5			34		
Max. drive current (mA)	300			300			300		
Total watts (typ.)	11.8			11.8			11.8		
Binning	2-step SDCM			2-step SDCM			2-step SDCM		
CRI	90+			90+			95+ (98 typ.)		
TM30 Rf/Rg	93.1			93.2			97/102		
Light source lifetime (hrs)	L90 B10 150,000 (calculated)								
Lifetime inc. driver (hrs)	L90 B10 50,000hrs+ (at 60° running temp.)								
Dimming options	Phase/DALI								
Dimming range	5-100%/1-100%								
Max. distance driver - LED	2m								
Emergency	Emergency pack available as accessory								



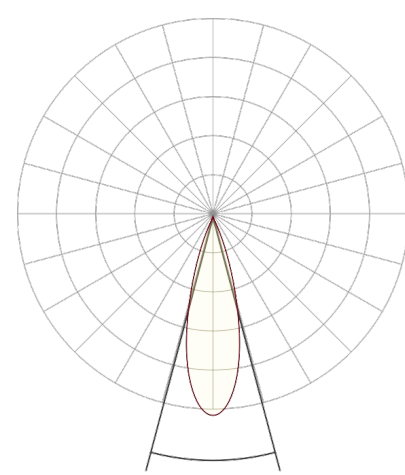
# Lens + optical accessories

## Lens options



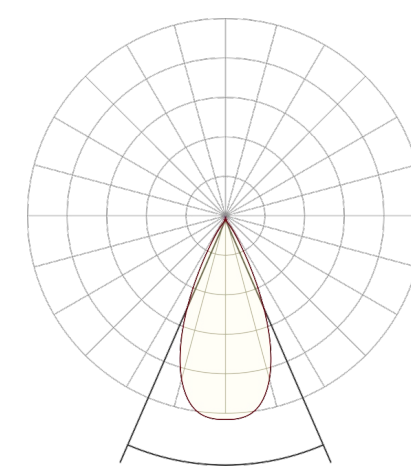
21°

**Narrow**



29.7°

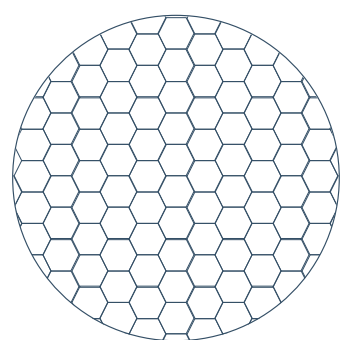
**Medium**



46.8°

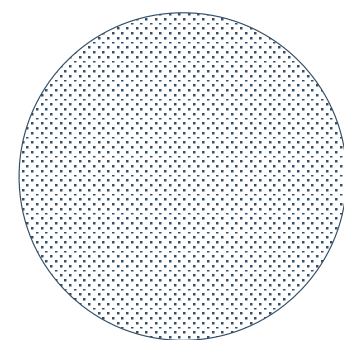
**Wide**

## Optical accessories



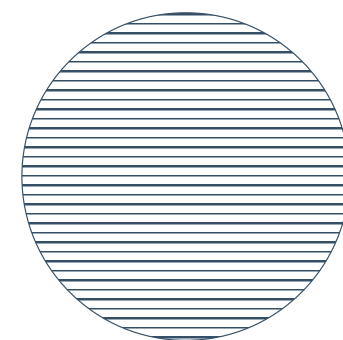
**Honeycomb**

Reduces glare whilst retaining directional control



**Diffuser**

Extends spread of light for even illumination



**Linear**

Creates an elliptical beam ideal for lighting long or narrow spaces



# Driver options

**Note**

Max. distance from LED (m)

Driver current options (mA)

Power (W)

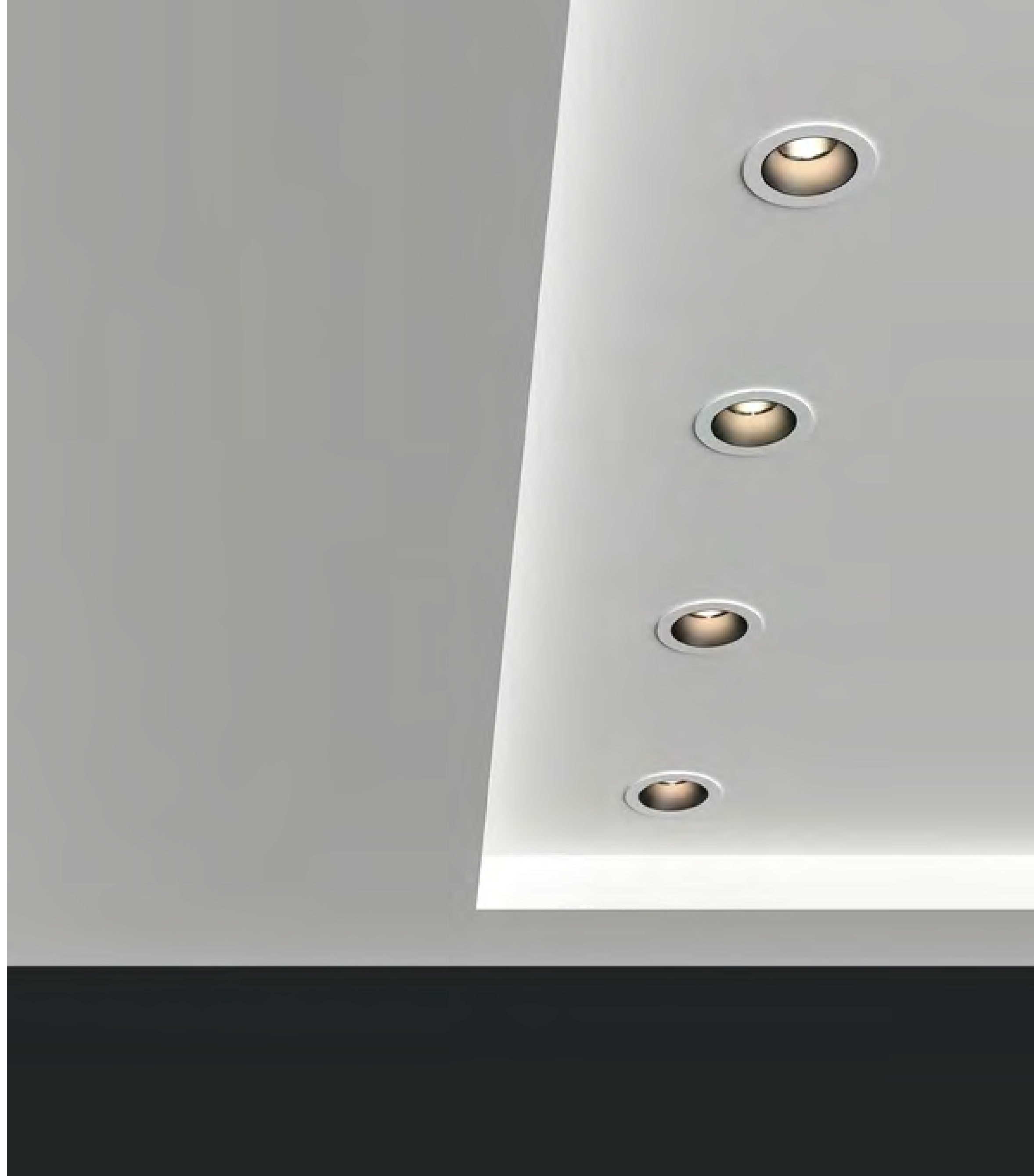
Voltage (V)

Dimming range

Connector

	PHASE	DALI
Note	Leading + trailing edge	DALI-2 compliant
Max. distance from LED (m)	2	2
Driver current options (mA)	200/250/300/350	150-1050
Power (W)	8/10/12/14	18W Max.
Voltage (V)	27-40V	10-54V
Dimming range	5-100%	1-100%
Connector	Supplied with plug for easy connection to LED downlight	

Drivers are supplied with a plug for easy connection to LED downlight



# Specify with confidence

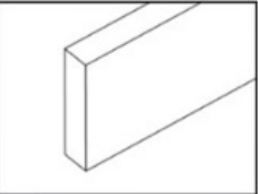
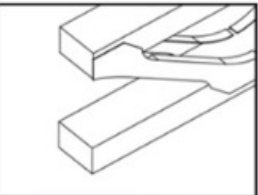
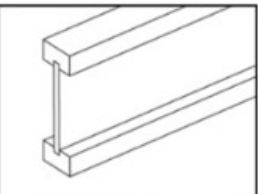
## Product compliance

Choosing the wrong downlight can compromise fire resistance, invalidating all ratings. Our Minima PRO, Trimless PRO and Pinhole Pro families\* have been rigorously tested in multiple ceiling constructions, ensuring:

- ▶ Certified fire resistance across 30 and 90-minute ceilings
- ▶ Compatibility with a variety of joist types and ceiling constructions
- ▶ Optimised luminaire spacing for compliance and performance

## Fire rating compatibility

Our Minima PRO, Trimless PRO and Pinhole Pro families\* are compatible with:

	<b>Solid timber joists</b> 30/90 minutes
	<b>Metal web (Posi) joists</b> 30 minutes
	<b>I-joists</b> 30 minutes

\*Note our Decor PRO family is not fire rated





# The products

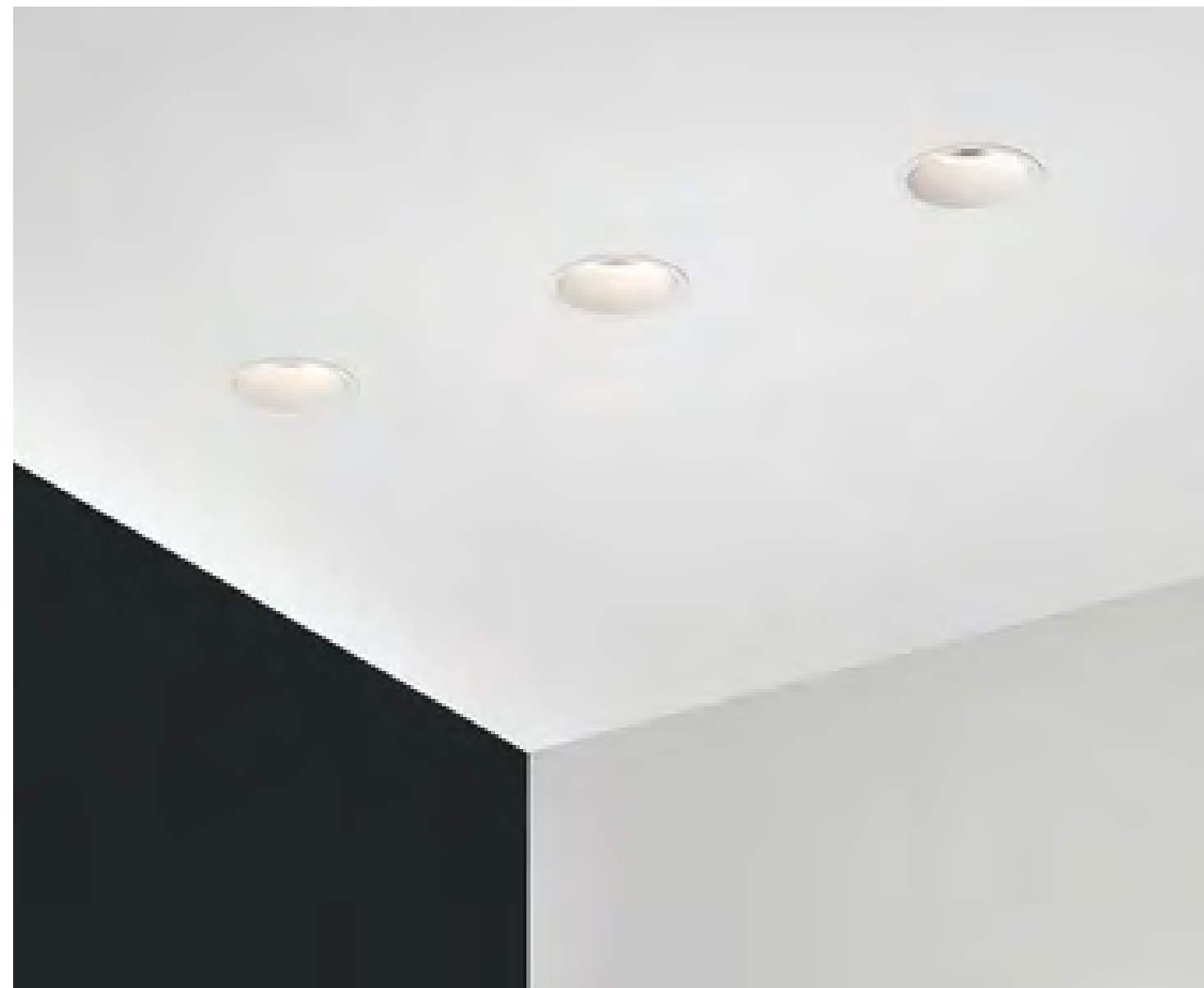


# Minima PRO

FIRE RATED

Designed to minimise glare while providing a clean and elegant lighting solution for modern spaces.

This fixture features a certified fire rating for 30 and 90 minute fire rated solid joist ceilings, as well as 30 minutes for metal web and I-Joist constructions, ensuring compliance with the latest residential building standards. Minima PRO is equipped with a removable inner bezel, allowing easy access to the driver and electrical connections without the need to remove the entire downlight, effectively preventing accidental damage to the ceiling.



 Minima PRO Round Fixed  
IP65 | 🔥 | ⚙️ Ø86



 Minima PRO Square Fixed  
IP65 | 🔥 | ⚙️ 86x86



 Minima PRO Round Adjustable  
IP20 | 30° tilt | 🔥 | ⚙️ Ø86



 Minima PRO Square Adjustable  
IP20 | 30° tilt | 🔥 | ⚙️ 86x86



 Minima PRO Round 25  
IP65 | 25° tilt | 🔥 | ⚙️ Ø86





# Pinhole PRO

FIRE RATED

Our lowest glare range that is expertly designed to provide exceptional illumination without compromising aesthetics.

Featuring a deeply recessed light source and a matte black internal baffle, Pinhole PRO effectively reduces glare while creating a warm and inviting atmosphere. For an even more streamlined look, we also offer a flush mount variant.



Pinhole PRO Round Fixed  
IP65 | 🔥 | ⚙️ Ø70



Pinhole PRO Square Fixed  
IP65 | 🔥 | ⚙️ Ø70



Pinhole PRO Round Adjustable  
IP20 | 25° tilt | 🔥 | ⚙️ Ø83



Pinhole PRO Square Adjustable  
IP20 | 25° tilt | 🔥 | ⚙️ Ø83



Pinhole PRO Round Flush Fixed  
IP65 | 🔥 | ⚙️ Ø62



Pinhole PRO Round Flush Adjustable  
IP20 | 25° tilt | 🔥 | ⚙️ Ø83





# Trimless PRO

FIRE RATED

A cutting-edge recessed lighting solution that seamlessly integrates into your ceiling for a sleek, minimalist appearance.

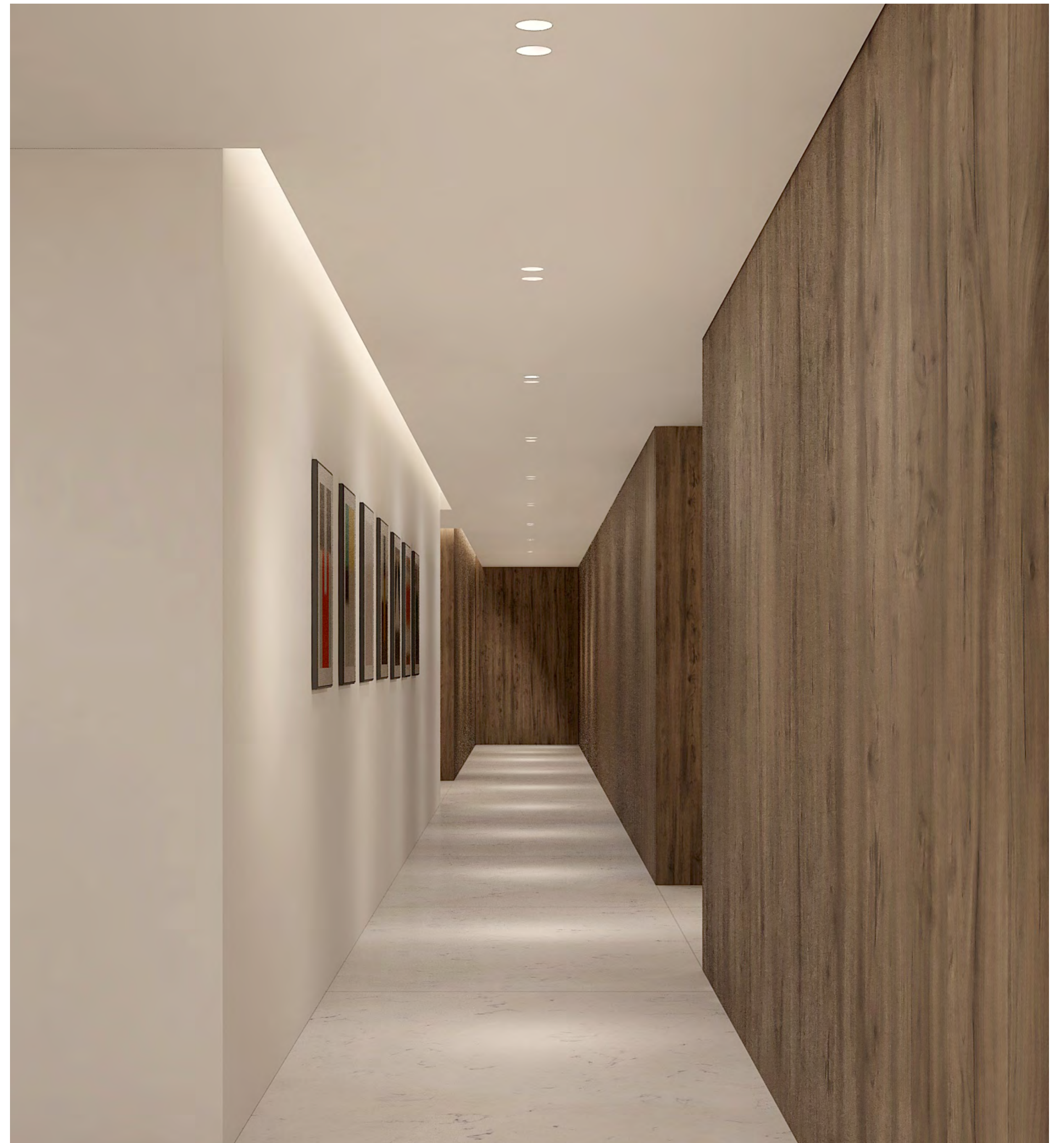
Designed for versatility, Trimless PRO eliminates visible edges, creating a clean and continuous surface that enhances any interior space. This fixture is available in various configurations to suit your lighting needs while providing exacting illumination without distracting from surrounding decor.

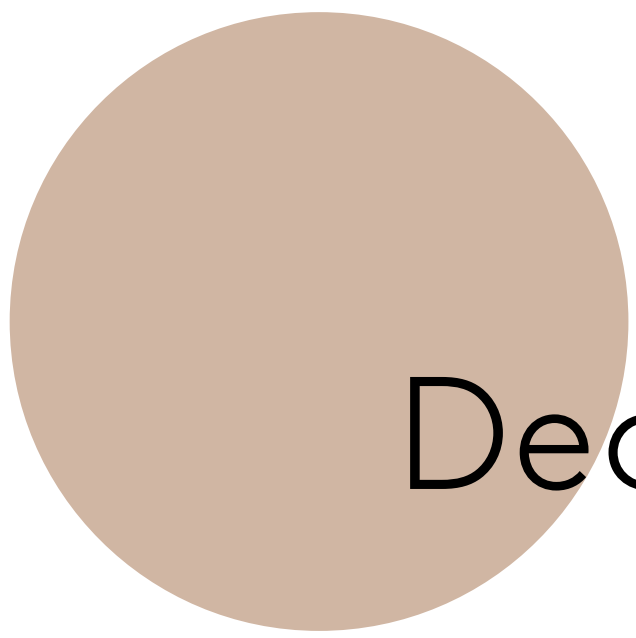


Trimless PRO Round Fixed  
IP65 | 🔥 | ⚙️ Ø79



Trimless PRO Round Adjustable  
IP20 | 30° tilt | 🔥 | ⚙️ Ø79

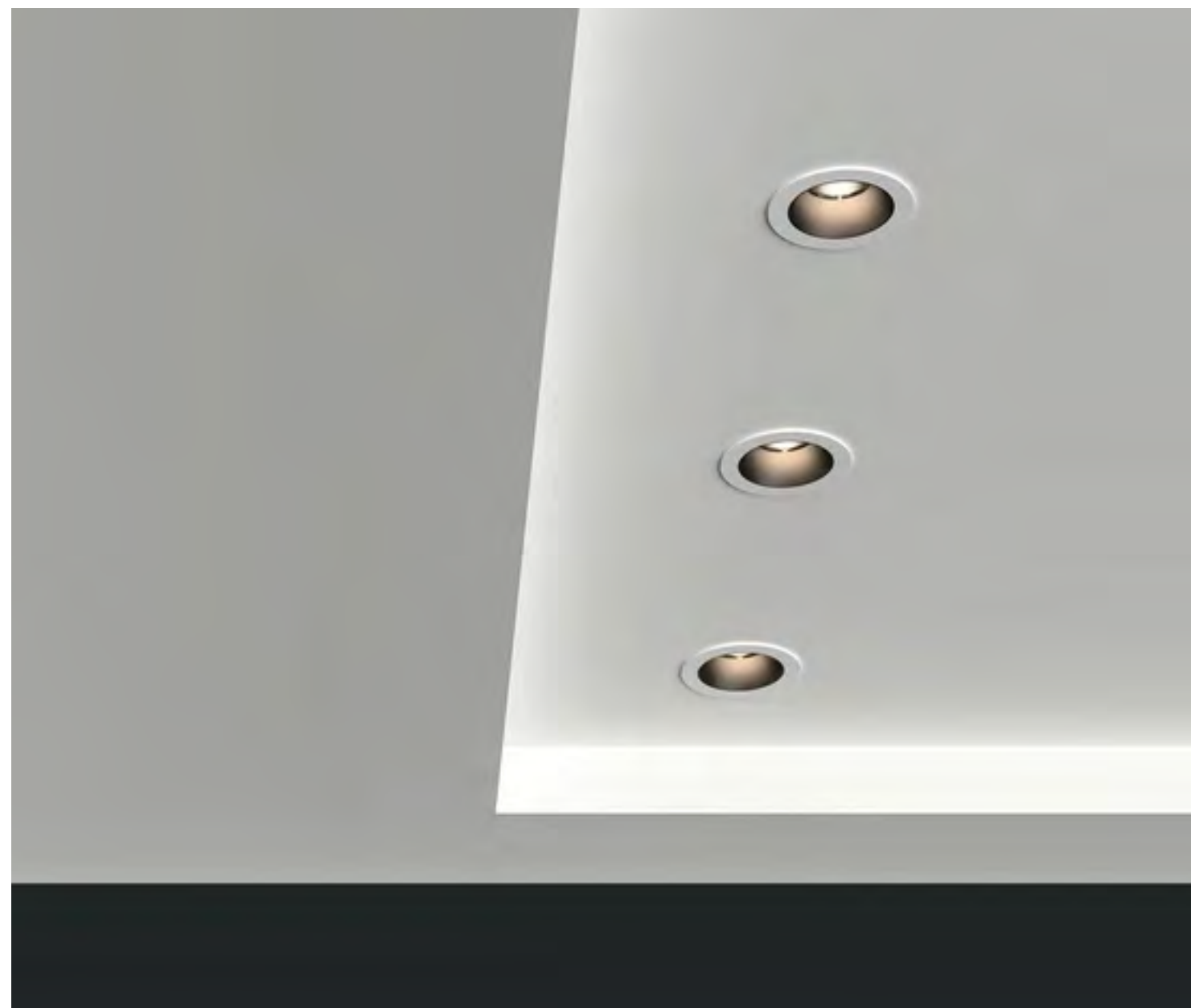




# Decor PRO

A refined and contemporary downlight design with a recessed light source for enhanced visual comfort.

Featuring a glare-reducing matt black inner bezel, this versatile fixture offers both style and performance, seamlessly integrating into any interior. For added design flexibility, the inner bezel can be customised in alternative finishes, allowing you to create a tailored lighting solution. Perfect for both hospitality, residential or commercial spaces, Decor PRO delivers precise illumination while maintaining a clean, modern aesthetic.



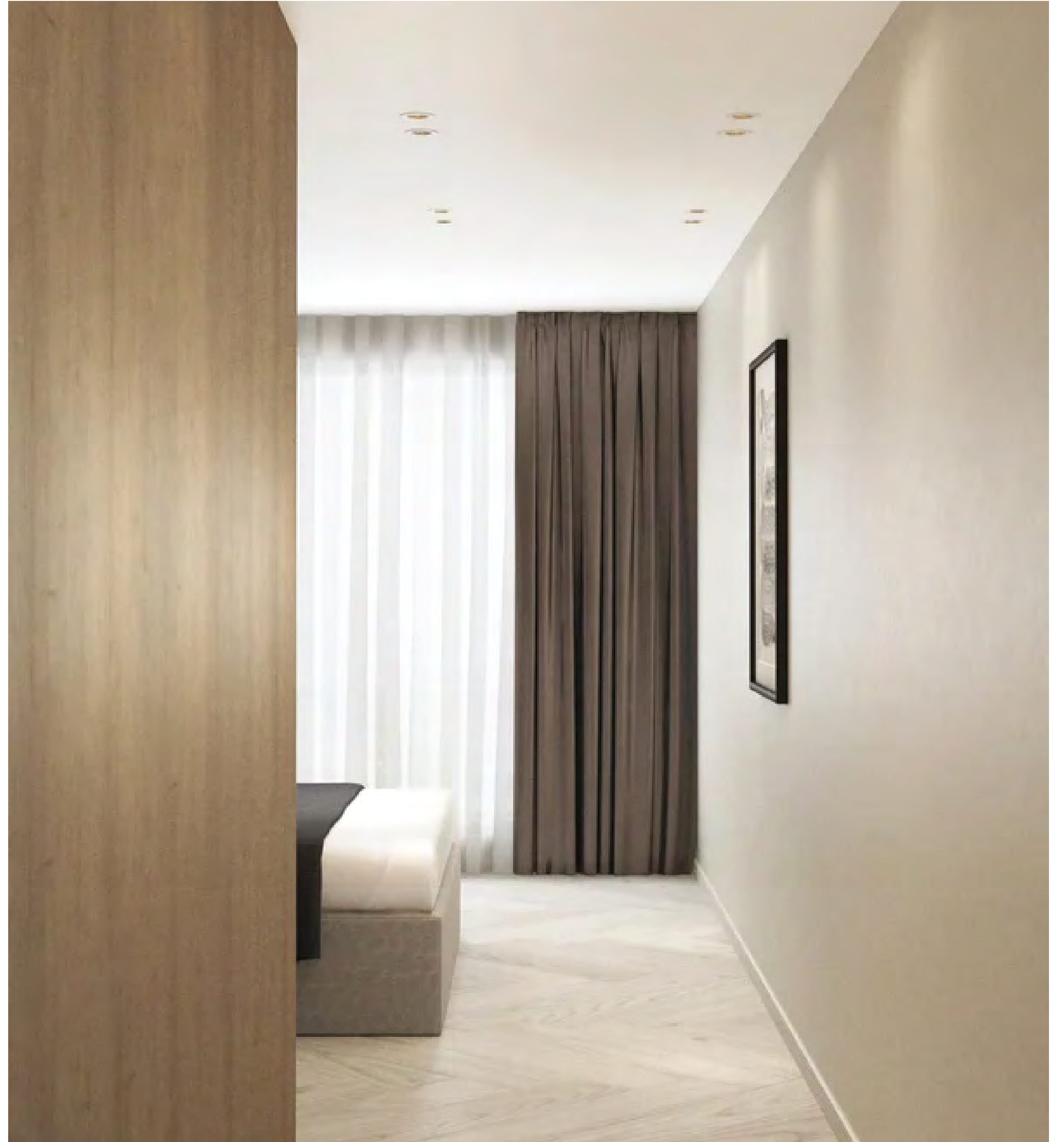
Decor PRO Round Fixed  
IP20 |  $\text{T} \text{ } \varnothing 70$

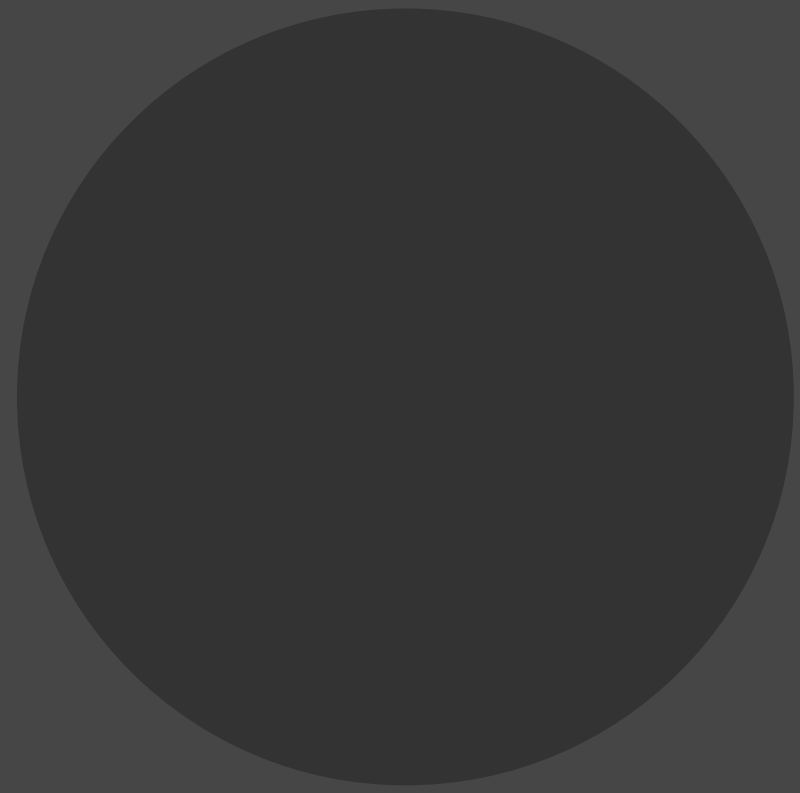


Decor PRO Round Adjustable  
IP20 | 29° tilt |  $\text{T} \text{ } \varnothing 86$



Decor PRO Round Flush Fixed  
IP20 |  $\text{T} \text{ } \varnothing 70$





astro

DOWNLIGHT PRO  
RANGE

[Get in touch](#)

to discuss your  
project requirements

astrolighting.com