



# ION (R) SERIES

unios®



# One Series. Infinite possibilities.

As a Good Design Award winner, the ION R Series reimagines the downlight experience by making lighting easier for everyone, from our specifiers and contractors to end-users.

## Universal

With 6 models, 4 sizes, extensive accessories and a wide output range, the ION R Series is designed to become the one-stop range that meets all your downlighting needs in a project, whether that be commercial or residential.

## Form & Function

Equipped with various accessories and finishes, including a range of primary and secondary optics and a new Stealth Metallic baffle option, the ION R can be configured to meet any space's aesthetic requirements.

## Performance - focused

Built with an engine that prevents overheating at high output and lens technology for greater beam control capabilities, the ION R Series promises high performance that will last for years.

## Award-winning

The ION R is awarded the 2023 Australian Good Design Award in the Product Design category with recognition for its outstanding modular design and innovation.



# A modular future of lighting

With modularity at the engineering forefront, the ION R Series fulfils our vision of creating a universal lighting solution encompassing various downlighting capabilities. This approach makes the luminaire highly customisable while simplifying installation and maintenance, ensuring consistent performance for years to come.



## ① Baffle

Various baffle finishes, including the Stealth Metallic that delivers an almost darklight effect.

## ② Secondary Optic

Add another layer of light control with either a softening, honeycomb, wallwasher or elliptical optic.

## ③ IP54 Seal

Protection against dust and water splashes from any direction.

## ④ Primary Optic

Engineered with lens technology to deliver outstanding beam control and minimise light spillage.

## ⑤ Engine

Available in fixed and adjustable versions, with a heatsink that ensures the longevity of the LED.

## ⑥ Trim

Includes the ball-bearing and the clip system for hassle-free installation.

# Lighting without boundaries

Configurable in a variety of models, sizes and power options, the ION R Series explores a new horizon of lighting adaptation.



ION R  
Downlight



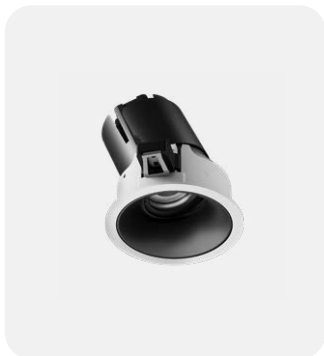
ION R Surface  
Mounted Downlight



ION R Suspended  
Downlight



ION R Vandal-proof  
Downlight



ION R Adjustable  
Downlight



ION R Focus  
Downlight



ION R Accent  
Downlight

Trim Finish

Baffle Finish



Textured  
Black



Textured  
White



Textured  
White



Textured  
Black



Textured  
Gold



Stealth  
Metallic

Refer to the product summary pages for SKU compatibility.



# Stealth Metallic

Following the darklight concept, the Stealth Metallic baffle minimises the light source's presence. From certain angles, the light source is completely hidden from the peripheral vision, offering maximum visual comfort without sacrificing the output.

# Key Features



## Quick Installation

Having both the ball-bearing and the clip system built into the trim, the ION R Series offers significantly reduced installation time, thanks to its simple and hassle-free setup.



## Crafted in Australia

Over 80% of the ION R's configurable options are stocked and assembled from our local facilities in Australia.

### Tunable White

An option to adjust your CCT throughout the day to support the circadian rhythm.

### SDCM $\leq$ 2

Ensures colour consistency over the product's operational lifetime.

### Driver

Compatible with Flicker-free, Bluetooth, Phase-cut and DALI drivers.

### UGR <13

UGR<13 across the series which could be reduced with additional accessories.

### IP54

Protection against dust and water splashes from any direction.

### >55,000h L90B10

Ensures the lumen maintenance of the LED throughout its >55,000h lifetime.

### Bluetooth

Compatible with Casambi for Bluetooth Smart Lighting Control.

### Seismic-resistant

Designed with mounting points, suitable to meet seismic-resistant requirements.

Refer to the product summary pages for SKU compatibility.

# One engine. Multiple beam options.



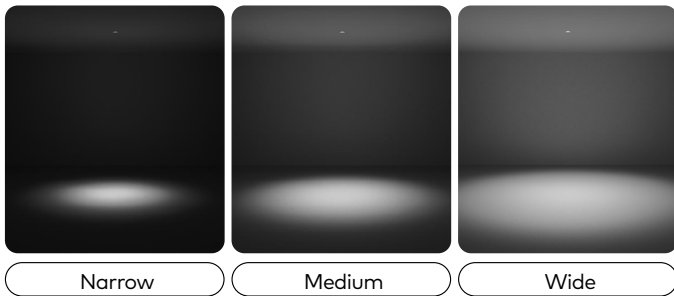
For a guide on wallwasher spacing, please scan the QR code above or visit

[unios.com/wallwasherguide](https://unios.com/wallwasherguide)

The ION R Series comes with an extensive range of secondary optics and accessories. See the images below to explore the ION R's beam output options.

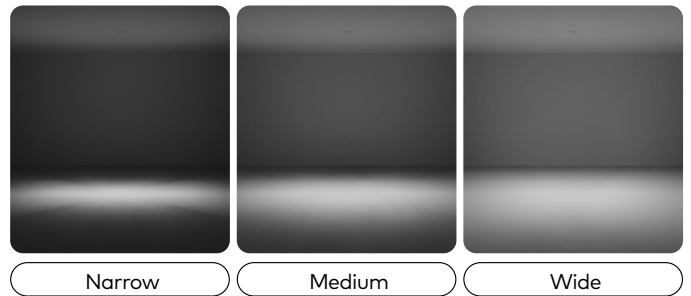
## Symmetrical

Outstanding beam control with minimal light spillage.



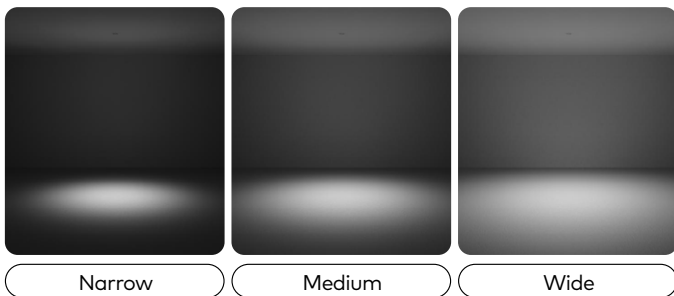
## Elliptical

Ideal for lighting elongated surfaces that typically require two symmetrical beam outputs.



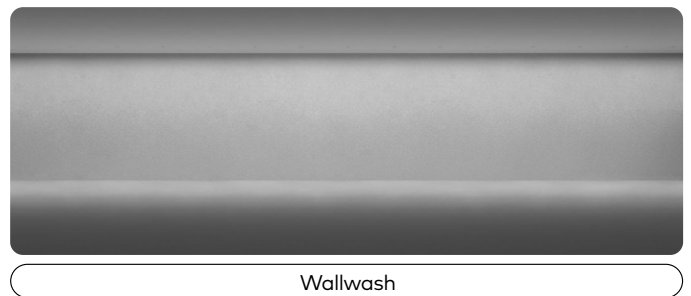
## Softened

Softens the light within the beam and at the edges to achieve a smoothly lit surface.



## Wallwash

Ideal for lighting along walls with the utmost uniformity.









Refer to the product summary pages for SKU compatibility.

# The ION R Series: An overview

2 engines. 4 sizes. 6 models. 26,000+ customisations. The possibilities are endless with the ION R Series.

Refer to the table below for an overview of the ION R Series models.

*Find the complete specifications and configure the exact model on Unios Toolbox.*

	 <b>ION R</b> Downlight	 <b>ION R</b> Wallwasher	 <b>ION R</b> Vandal Proof Downlight	 <b>ION R</b> Adjustable Downlight	 <b>ION R</b> Focus Downlight	 <b>ION R</b> Accent Downlight
<b>Types</b>	Small, Medium, Large, XL	Medium, Large	Large	Small, Medium, Large	Small	Small
<b>Power (Up to)</b>	11W, 15W, 32W, 43W	15W, 32W	32W	7W , 13W , 29W	7W	7W
<b>Mounting</b>	Recessed, Surface Mounted, Suspended	Recessed, Surface Mounted, Suspended	Recessed	Recessed	Recessed	Recessed
<b>Adjustability</b>	-	-	-	355° Rotation, 25° Tilt	-	Pivot on an axis & rotates
<b>Absolute Luminous Flux (up to)</b>	1155lm, 1548lm, 3587lm, 4767lm	840lm, 1792lm	3587lm	706lm , 1347lm , 3177lm	635lm	635lm
<b>Beam Type</b>	Standard, Elliptical	Wallwasher	Standard, Elliptical	Standard, Elliptical	Standard	Standard
<b>Beam Angle</b>	Narrow (22-30°), Medium (40-50°), Wide (60-70°)	50° Asymmetrical	Narrow (22-30°), Medium (40-50°), Wide (60-70°)	Narrow (12-30°), Medium (30-45°), Wide (50-60°)	Narrow (12°), Medium (30°), Wide (50°)	Narrow (12°), Medium (30°), Wide (50°)
<b>Beam Angle (Elliptical)</b>	Narrow (20x60°), Medium (30x70°), Wide (50x80°)	-	Narrow (20x60°), Medium (30x70°), Wide (50x80°)	Narrow (12x60°), Medium (35x70°), Wide (60x80°)	Narrow (12x60°), Medium (30x60°), Wide (40x70°)	Narrow (12x60°), Medium (30x60°), Wide (40x70°)
<b>Illumination Type</b>	Horizontal	Vertical	Horizontal	Horizontal	Horizontal	Horizontal / Vertical
<b>CCT</b>	2700K ,3000K, 4000K, Tunable White (2700K - 6500K)	2700K ,3000K, 4000K, Tunable White (2700K - 6500K)	2700K ,3000K, 4000K, Tunable White (2700K - 6500K)	2700K ,3000K, 4000K, Tunable White (2700K - 6500K)	2700K ,3000K, 4000K, Tunable White (2700K - 6500K)	2700K ,3000K, 4000K, Tunable White (2700K - 6500K)
<b>UGR</b>	<13	<16	<13	<10	<10	<10
<b>Colour Deviation</b>	≤2	≤2	≤2	≤2	≤2	≤2
<b>Lifetime</b>	>55,000h L90B10	>55,000h L90B10	>55,000h L90B10	>55,000h L90B10	>55,000h L90B10	>55,000h L90B10
<b>IP Rating</b>	IP54	IP54	IP65	IP54	IP54	IP54
<b>IK Rating</b>	-	-	IK10	-	-	-
<b>Driver</b>	Phase-cut, Non-Dim, DALI, Bluetooth	Phase-cut, DALI, Bluetooth	Phase-cut, DALI, Bluetooth	Phase-cut, DALI, Bluetooth	Phase-cut, DALI, Bluetooth	Phase-cut, DALI, Bluetooth
<b>Warranty</b>	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
<b>Availability</b>	Stocked	Assembled	Made to Order	Stocked	Assembled	Assembled





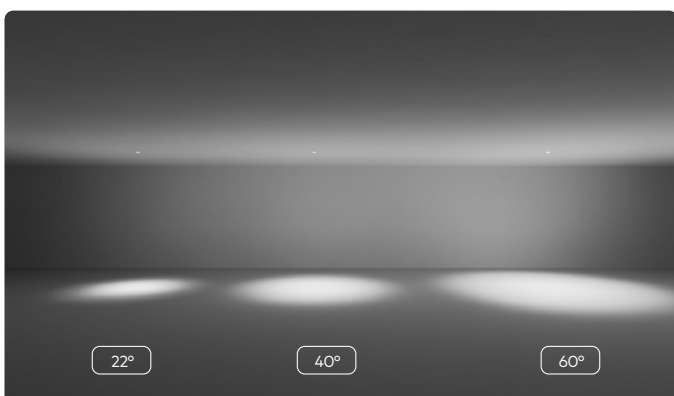
		LED Power	Lumens (at 3000K)	Beam	Beam (Elliptical)	Weight	Driver Options	Lumen Efficacy
1	Small	9W (250mA)	963lm	22°   40°   60°	20x60°   30x70°   50x80°	310g	Phase Cut, DALI, Bluetooth	Up to 93lm/W
		11W (300mA)	1155lm					
2	Medium	13W (350mA)	1355lm	22°   40°   60°	20x60°   30x70°   50x80°	456g	Phase Cut, DALI, Bluetooth	Up to 100lm/W
		15W (400mA)	1548lm					
3	Large	22W (600mA)	2392lm	30°   50°   70°	30x70°   50x80°   60x90°	1108g	Phase Cut, DALI, Bluetooth	Up to 98lm/W
		27W (750mA)	2990lm					
		32W (900mA)	3587lm					
4	XL	36W (1000mA)	3973lm	30°   50°   70°	30x70°   50x80°   60x90°	1822g	Non-Dim, DALI, Bluetooth	Up to 105lm/W
		43W (1200mA)	4767lm					
5	Medium Wallwasher	13W (350mA)	760lm	50° Asymmetrical	-	456g	Phase Cut, DALI, Bluetooth	Up to 56lm/W
		15W (400mA)	868lm					
6	Large Wallwasher	22W (600mA)	1194lm	50° Asymmetrical	-	1108g	Phase Cut, DALI, Bluetooth	Up to 49lm/W
		27W (750mA)	1493lm					
		32W (900mA)	1792lm					

Key Information	
Mounting	Ceiling Recessed
Trim Finish	<input type="checkbox"/> Textured Black <input type="checkbox"/> Textured White
Baffle Finish	<input type="checkbox"/> Matt Black <input type="checkbox"/> Matt White <input type="checkbox"/> Stealth Metallic <input type="checkbox"/> Matt Gold*
*Available in small and medium model	
Wallwasher Baffle Finish	<input type="checkbox"/> Stealth Metallic
LED CCT	<input type="checkbox"/> 2700K <input type="checkbox"/> 3000K <input type="checkbox"/> 4000K <input type="checkbox"/> 2700K-6500K (Tunable White)
Warranty	5 Years

Design	
Product Family	ION
Material	Powder Coated Aluminium
IP Rating	IP54 (Room Side)
Class Rating	Class II
Insulation Rating	Small, Medium: IC-4 Large, XL: CA90

Performance	
CRI (Ra/R9)	92+ (R9: >50)
UGR (70/50/20)	<13
Lifetime (Ta 25°C)	>55,000h L90B10
Operating Ambient Temperature	-10°- 35°C
SDCM	≤2
COI Compliance Model Requirements	4000K

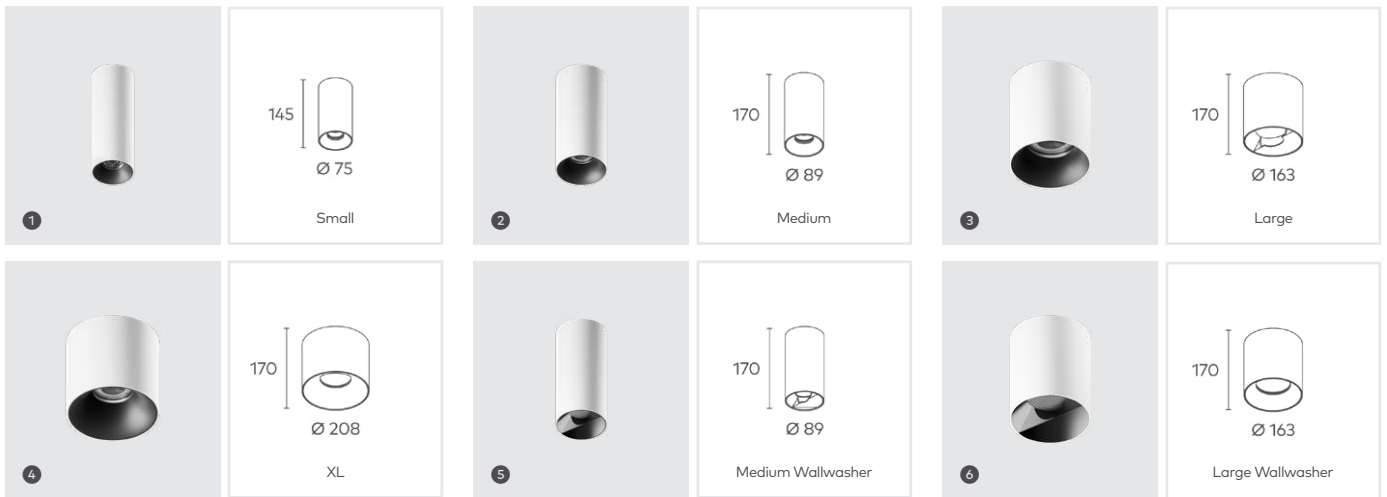
Driver	
Non-Dim	Remote
Phase Cut	Remote
DALI	Remote
Bluetooth	Remote



Available Accessories
Tension Clips (for concrete applications, medium size only)
Linear Lens (for elliptical beams)
Honeycomb Lens (for reduced glare)
Softening Lens (for softening beam edges)
Seismic Lanyard

**Notes**  
 For 22° beam options, an anti-glare louvre is included to aid in beam control and glare (for small and medium only)





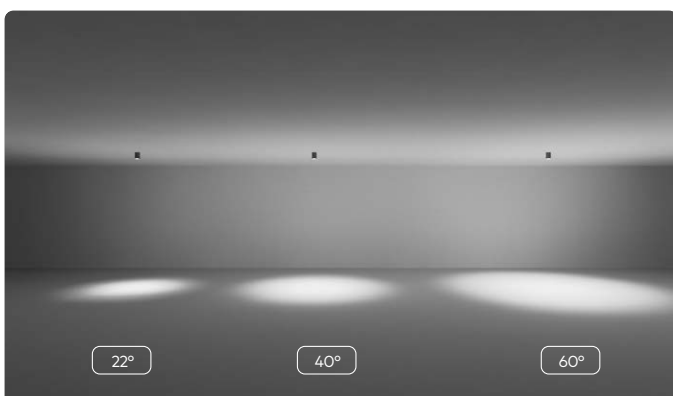
	LED Power	Lumens (at 3000K)	Beam	Beam (Elliptical)	Weight	Driver Options	Lumen Efficacy
1 Small	11W (300mA)	1155lm	22°   40°   60°	20x60°   30x70°   50x80°	714g	Phase Cut, DALI, Bluetooth	Up to 93lm/W
2 Medium	15W (400mA)	1548lm	22°   40°   60°	20x60°   30x70°   50x80°	955g	Phase Cut, DALI, Bluetooth	Up to 100lm/W
3 Large	32W (900mA)	3587lm	30°   50°   70°	30x70°   50x80°   60x90°	2278g	Phase Cut, DALI, Bluetooth	Up to 98lm/W
4 XL	43W (1200mA)	4767lm	30°   50°   70°	30x70°   50x80°   60x90°	3550g	Non-Dim, DALI, Bluetooth	Up to 105lm/W
5 Medium Wallwasher	15W (400mA)	868lm	50° Asymmetrical	-	955g	Phase Cut, DALI, Bluetooth	Up to 56lm/W
6 Large Wallwasher	32W (900mA)	1792lm	50° Asymmetrical	-	2278g	Phase Cut, DALI, Bluetooth	Up to 49lm/W

Key Information	
Mounting	Ceiling Surface
Canister Finish	<input type="checkbox"/> Textured Black <input type="checkbox"/> Textured White
Baffle Finish	<input type="checkbox"/> Matt Black <input type="checkbox"/> Matt White <input type="checkbox"/> Stealth Metallic <input type="checkbox"/> Matt Gold*
*Available in small and medium model	
Wallwasher Baffle Finish	<input type="checkbox"/> Stealth Metallic
LED CCT	<input type="checkbox"/> 2700K <input type="checkbox"/> 3000K <input type="checkbox"/> 4000K <input type="checkbox"/> 2700K-6500K (Tunable White)
Warranty	5 Years

Design	
Product Family	ION
Material	Powder Coated Aluminium
IP Rating	IP44
Class Rating	Class I

Performance	
CRI (Ra/R9)	92+ (R9: >50)
UGR (70/50/20)	<13
Lifetime (Ta 25°C)	>55,000h L90B10
Operating Ambient Temperature	-10°- 35°C
SDCM	≤2
COI Compliance Model Requirements	4000K

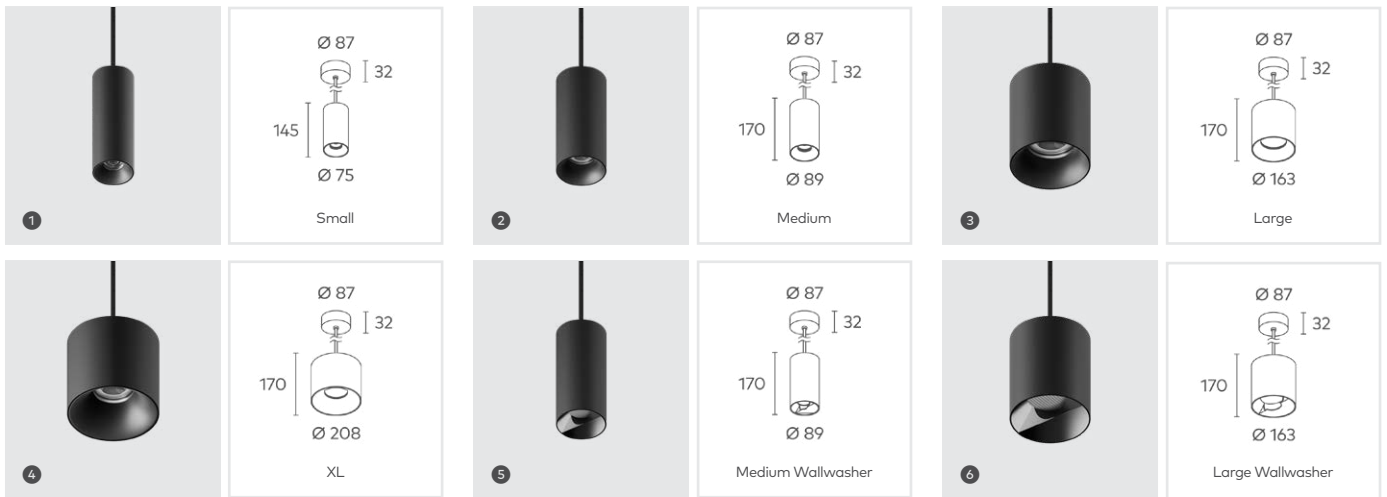
Driver	
Non-Dim	Built-in
Phase Cut	Built-in
DALI	Built-in
Bluetooth	Remote



Available Accessories
Linear Lens (for elliptical beams)
Honeycomb Lens (for reduced glare)
Softening Lens (for softening beam edges)

Notes
For 22° beam options, an anti-glare louvre is included to aid in beam control and glare (for small and medium only)





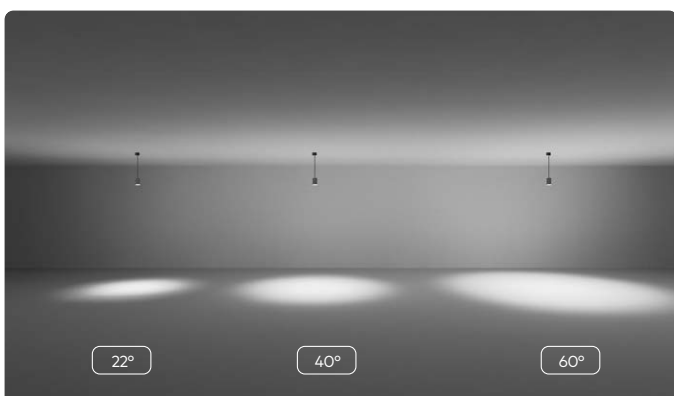
		LED Power	Lumens (at 3000K)	Beam	Beam (Elliptical)	Weight	Driver Options	Lumen Efficacy
1	Small	11W (300mA)	1155lm	22°   40°   60°	20x60°   30x70°   50x80°	1214g	Phase Cut, DALI, Bluetooth	Up to 93lm/W
2	Medium	15W (400mA)	1548lm	22°   40°   60°	20x60°   30x70°   50x80°	1455g	Phase Cut, DALI, Bluetooth	Up to 100lm/W
3	Large	32W (900mA)	3587lm	30°   50°   70°	30x70°   50x80°   60x90°	2778g	Phase Cut, DALI, Bluetooth	Up to 98lm/W
4	XL	43W (1200mA)	4767lm	30°   50°   70°	30x70°   50x80°   60x90°	4050g	Non-Dim, DALI, Bluetooth	Up to 105lm/W
5	Medium Wallwasher	15W (400mA)	868lm	50° Asymmetrical	-	1455g	Phase Cut, DALI, Bluetooth	Up to 56lm/W
6	Large Wallwasher	32W (900mA)	1792lm	50° Asymmetrical	-	2778g	Phase Cut, DALI, Bluetooth	Up to 49lm/W

Key Information	
Mounting	Ceiling Suspended
Canister Finish	<input checked="" type="checkbox"/> Textured Black <input type="checkbox"/> Textured White
Baffle Finish	<input checked="" type="checkbox"/> Matt Black <input type="checkbox"/> Matt White <input checked="" type="checkbox"/> Stealth Metallic <input type="checkbox"/> Matt Gold*
*Available in small and medium model	
Wallwasher Baffle Finish	<input checked="" type="checkbox"/> Stealth Metallic
LED CCT	<input type="checkbox"/> 2700K <input type="checkbox"/> 3000K <input type="checkbox"/> 4000K <input checked="" type="checkbox"/> 2700K-6500K (Tunable White)
Warranty	5 Years

Design	
Product Family	ION
Material	Powder Coated Aluminium
IP Rating	IP20
Class Rating	Class I
Cable Length	3000mm

Performance	
CRI (Ra/R9)	92+ (R9: >50)
UGR (70/50/20)	<13
Lifetime (Ta 25°C)	>55,000h L90B10
Operating Ambient Temperature	-10°- 35°C
SDCM	≤2
COI Compliance Model Requirements	4000K

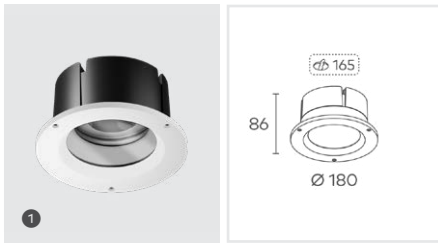
Driver	
Non-Dim	Built-in
Phase Cut	Built-in
DALI	Built-in
Bluetooth	Remote



Available Accessories
Linear Lens (for elliptical beams)
Honeycomb Lens (for reduced glare)
Softening Lens (for softening beam edges)
Rod Suspension Kit

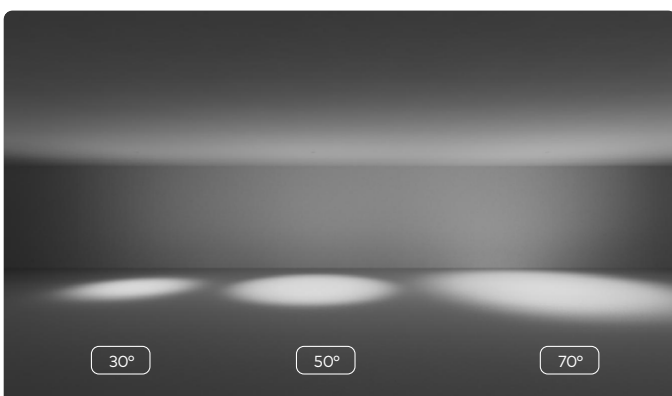
Notes
For 22° beam options, an anti-glare louvre is included to aid in beam control and glare





	LED Power	Lumens (at 3000K)	Beam	Weight
1 Vandal-proof	22W (600mA)	2391lm	30°   50°   70°	1356g
	27W (750mA)	2989lm		
	32W (900mA)	3587lm		

Key Information		Design		Performance		Driver	
Mounting	Ceiling Recessed	Product Family	ION	Lumen Efficacy	Up to 100lm/W	Phase Cut	Remote
Trim Finish	<input type="checkbox"/> Textured Black <input type="checkbox"/> Textured White	Material	Powder Coated Aluminium	CRI (Ra/R9)	92+ (R9: >50)	DALI	Remote
Baffle Finish	<input type="checkbox"/> Matt Black <input type="checkbox"/> Matt White <input checked="" type="checkbox"/> Stealth Metallic	IP Rating	IP65	UGR (70/50/20)	<13	Bluetooth	Remote
LED CCT	<input type="checkbox"/> 2700K <input type="checkbox"/> 3000K <input type="checkbox"/> 4000K <input checked="" type="checkbox"/> 2700K-6500K (Tunable White)	IK Rating	IK10	Lifetime (Ta 25°C)	>55,000h L90B10		
Warranty	5 Years	Class Rating	Class II	Operating Ambient Temperature	-10°- 35°C		
		Insulation Rating	CA90	SDCM	≤2		
				COI Compliance Model Requirements	4000K		



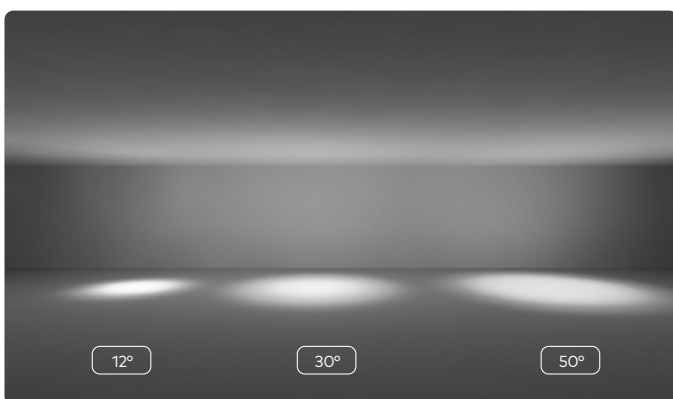
Available Accessories
Seismic Lanyard





	LED Power	Lumens (at 3000K)	Beam	Beam (Elliptical)	Weight	Lumen Efficacy
1 Small	7W (200mA)	659lm	12°   30°   50°	12x60°   30x60°   40x70°	355g	Up to 72lm/W
2 Medium	9W (250mA)	899lm	22°   40°   60°	20x60°   35x70°   50x70°	600g	Up to 90lm/W
	13W (350mA)	1258lm				
3 Large	22W (600mA)	2237lm	30°   45°   60°	30x70°   45x60°   60x80°	1310g	Up to 95lm/W
	29W (800mA)	2982lm				

Key Information		Design		Performance		Driver	
Mounting	Ceiling Recessed	Product Family	ION	CRI (Ra/R9)	92+ (R9: >50)	Non-Dim	Remote
Trim Finish	<input type="checkbox"/> Textured Black <input type="checkbox"/> Textured White	Adjustability	355° Rotation 25° Tilt	UGR (70/50/20)	<13	Phase Cut	Remote
Baffle Finish	<input type="checkbox"/> Matt Black <input type="checkbox"/> Matt White <input type="checkbox"/> Stealth Metallic <input type="checkbox"/> Matt Gold*	Material	Powder Coated Aluminium	Lifetime (Ta 25°C)	>55,000h L90B10	DALI	Remote
*Available in small and medium model		IP Rating	IP54 (Room Side)	Operating Ambient Temperature	-10°- 35°C	Bluetooth	Remote
LED CCT	<input type="checkbox"/> 2700K <input type="checkbox"/> 3000K <input type="checkbox"/> 4000K <input type="checkbox"/> 2700K-6500K (Tunable White)	Class Rating	Class II	SDCM	≤2		
Warranty	5 Years	Insulation Rating	Small, Medium: IC-4 Large: CA90	COI Compliance Model Requirements	4000K		



Available Accessories
Linear Lens (for elliptical beams)
Honeycomb Lens (for reduced glare)
Softening Lens (for softening beam edges)
Seismic Lanyard

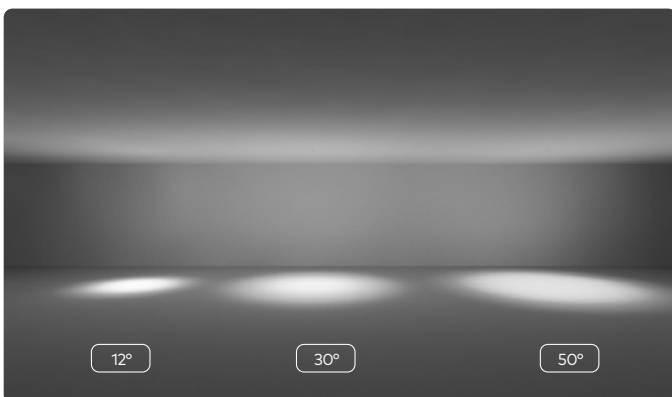
Notes
For 12° and 22° beam options, an anti-glare louvre is included to aid in beam control and glare (for small and medium only)

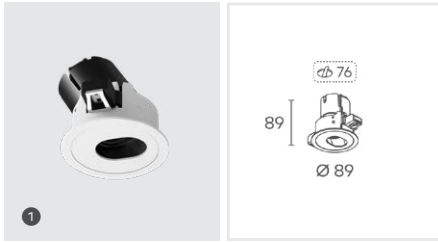




	LED Power	Lumens (at 3000K)	Beam	Beam (Elliptical)	Weight
1 Focus	7W (200mA)	593lm	12°   30°   50°	12x30°   30x60°   50x70°	355g

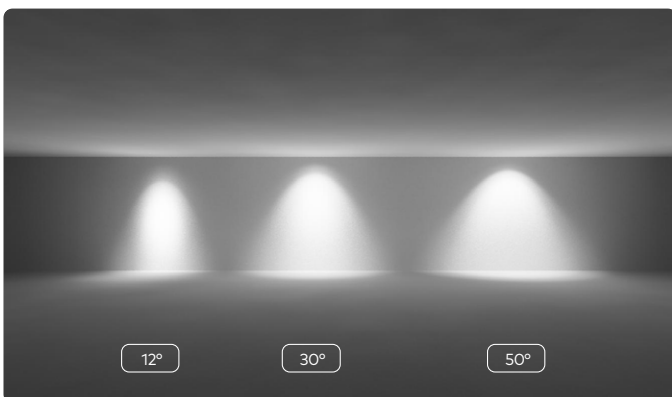
Key Information		Design		Performance		Driver	
Mounting	Ceiling Recessed	Product Family	ION	Lumen Efficacy	Up to 67lm/W	Non-Dim	Remote
Finish	<input checked="" type="checkbox"/> Textured Black <input type="checkbox"/> Textured White	Material	Powder Coated Aluminium	CRI (Ra/R9)	92+ (R9: >50)	Phase Cut	Remote
LED CCT	<input type="checkbox"/> 2700K <input type="checkbox"/> 3000K <input type="checkbox"/> 4000K <input checked="" type="checkbox"/> 2700K-6500K (Tunable White)	IP Rating	IP54 (Room Side)	UGR (70/50/20)	<10	DALI	Remote
Warranty	5 Years	Class Rating	Class II	Lifetime (Ta 25°C)	>55,000h L90B10	Bluetooth	Remote
		Insulation Rating	IC-4	Operating Ambient Temperature	-10°- 35°C		
				SDCM	≤2		
				COI Compliance Model Requirements	4000K		





	LED Power	Lumens (at 3000K)	Beam	Beam (Elliptical)	Weight
1 Accent	7W (200mA)	593lm	12°   30°   50°	12x30°   30x60°   50x70°	355g

Key Information		Design		Performance		Driver	
Mounting	Ceiling Recessed	Product Family	ION	Lumen Efficacy	Up to 67lm/W	Non-Dim	Remote
Finish	<input checked="" type="checkbox"/> Textured Black <input type="checkbox"/> Textured White	Adjustability	355° Rotation, 25° Tilt	CRI (Ra/R9)	92+ (R9: >50)	Phase Cut	Remote
LED CCT	<input type="checkbox"/> 2700K <input type="checkbox"/> 3000K <input type="checkbox"/> 4000K <input checked="" type="checkbox"/> 2700K-6500K (Tunable White)	Material	Powder Coated Aluminium	UGR (70/50/20)	<10	DALI	Remote
Warranty	5 Years	IP Rating	IP54 (Room Side)	Lifetime (Ta 25°C)	>55,000h L90B10	Bluetooth	Remote
		Class Rating	Class II	Operating Ambient Temperature	-10°- 35°C		
		Insulation Rating	IC-4	SDCM	≤2		
				COI Compliance Model Requirements	4000K		



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