



formalighting

**SunLike,
second to sunlight**



2020 | 21



Human Centric Lighting

Natural Spectrum LED



The Brain

The brain has immense capabilities, and runs every part of you. It perceives color, and controls the biological clock that maintains your bodily functions.

The development of SunLike began by focusing on the spectrum of light, which fulfills an important role for these mechanisms.



The Eye

Your eyes are sensors. Three types of photoreceptor cells on the retina detect the intensity of light on different wavelengths, and transmit this information as signals to the brain.

The brain then perceives this color and, at the same time, issues various instructions.

From this perspective, the idea of what it means for humanity to have light is now attracting attention all around the world.

SunLike is a human-centric, LED spectrum technology that will open the way to humanity's future.

SunLike offers a balance of the full spectrum from Violet to Red for a moderate NATURAL SPECTRAL DISTRIBUTION.

SunLike mimics the Sun in the sky while maintaining the suns rich color with 97CRI and high R9.

The reduction suppression of harmful blue also reduces glare on the subject beyond giving the occupants the overall feeling of a Natural Lighting.

SunLike, second to sunlight

Light and the biological clock

From the time we are born, a biological clock is running not only in our brains, but in each of the countless cells throughout our bodies. This clock naturally operates on a cycle of about 25 hours, but synchronizes with our 24-hour day as the morning light causes a daily correction. This is one way that light is used not only to view objects, but also to maintain our biological functions, and is an important component to sensitivity.



Rising sun



Midday



Setting sun

When a spectrum enters the eye, our photoreceptor cells measure the respective intensity of blue, green, and red light. The retina converts and transmits this data to the brain, where it is perceived as colors and luminosity. In other words, the brain interprets the results of calculations, and is not capable of recognizing spectra directly. This allows the brain to recognize the same colors in different spectra, such as natural light, artificial light, or images on a display.

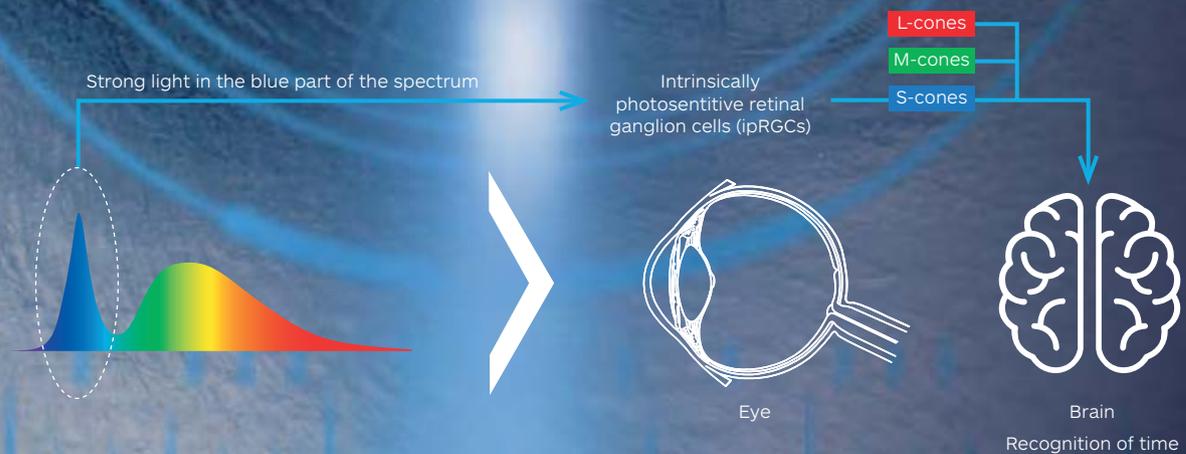
Circadian Rhythm

In 2002, scientists discovered the existence of ipRGCs (intrinsically photosensitive retinal ganglion cells), which transmit the intensity of blue light, a major part of morning light.

We now know that these photoreceptor cells control the biological clock. This in turn suggests that spectra might affect the biological clock through ipRGCs. Research is showing us the effects on organisms of intensities in the blue portion of the spectrum that differ from those in natural light, even with light that we perceive as being the same color.

This research focuses on disruptions to the biological clock and the resulting degradations in sleep quality, as well as risks involving other illnesses.

Photoreceptor cells transmit light changes throughout the day to the brain and will impact the human perception





Recreating the Sunlight Spectrum

Faithful reproduction of natural colors, contrasts and three-dimensionality

Artists select colors and brush strokes to create depth and perspective when viewed under natural light, and viewing paintings under the same lighting with which the artist created them is one way to properly appreciate them. SunLike faithfully illuminates paintings as they would appear under sunlight in terms of color and contrast. We must also not forget texture, or three-dimensionality, when illuminating works of art, fashion, or interior design.

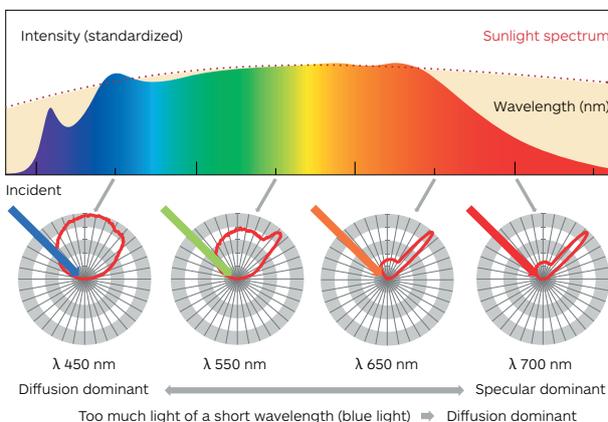
SunLike delivers a natural spectrum without excessive blue light, which is easily scattered, and therefore produces specular reflection from the surface of objects, imparting a greater sense of three-dimensionality and texture.



'Women walking on the beach' by Joaquín Sorolla. 1909.

SunLike

Spectral dependence of scattering



Superb color rendering and expression of texture

Sometimes the color of clothing looks different outside than it did in the store. This happens because the spectrum of light in the store differs from that of natural light. Color rendering indicates the effect that a light source has on how the colors of objects are perceived, with 100 representing colors under natural light.

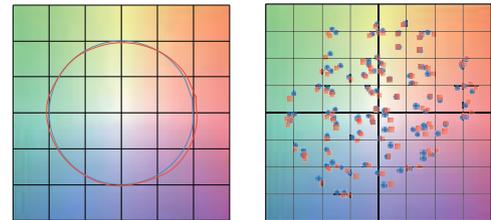
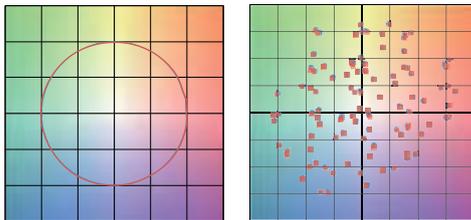
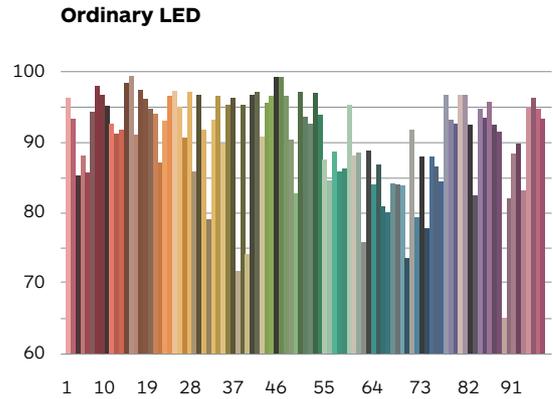
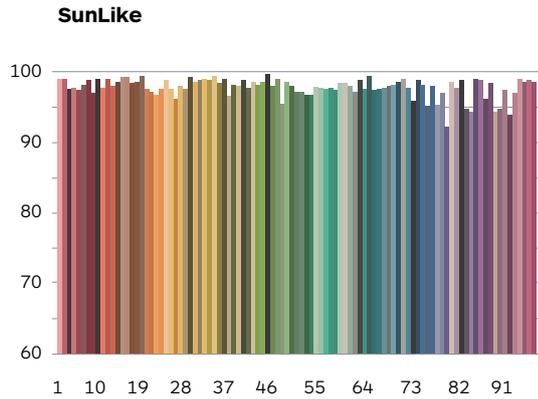
SunLike exhibits superior color rendering properties, with a value close to 100 when using not only the traditional CRI (Color Rendering Index) standard, but also the new TM-30 standard.

The technology expresses natural colors at events such as exhibitions of art and fashion shows.



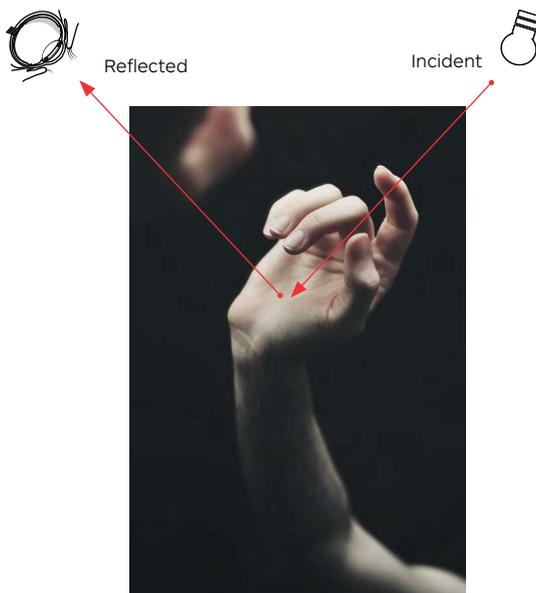
TM-30

TM-30 is a method that evaluates light by using two properties: Rf, the fidelity of color reproduction; and Rg, the color gamut (vividness). Furthermore, a chromaticity diagram can be used to illustrate the relative shift of colors from 100, the standard value used for natural light.

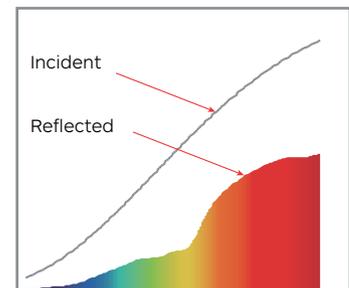


SunLike has color rendering properties closer to 100, and is capable of reproducing colors in a manner comparable to that of the sun.

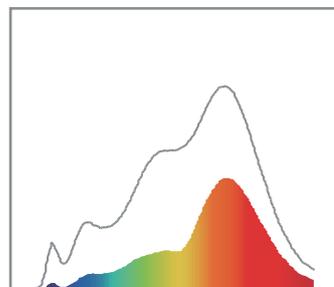
Spectrum difference between incidence & reflection



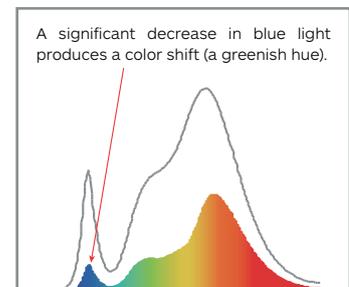
Incandescent light



SunLike



Ordinary LED (B+YR)





Excellent visibility, with little glare

Formalighting SunLike product range allows for superb color rendering and expression of texture. Art galleries, showrooms, shops, hotels, and restaurants are just some examples of places that are capable of maximizing this potential.

The light from SunLike produces natural scenes with depth in various spaces.

An ordinary LED light source transmits a strong beam of light from a blue LED, which scatters greatly due to its short wavelength and high energy. This scattering occurs not only on an illuminated object but within the eye itself, where it is easier to perceive shimmering and glare. Because SunLike does not contain a high-intensity blue light component, the technology provides light that offers excellent visibility with little glare.



With light that is exceedingly close to that of the sun, SunLike can illuminate human vitality. The technology allows for the accurate expression of the natural colors and textures inherent to the skin.



Because of SunLike's natural and smooth, continuous spectrum, the technology is capable of accurately revealing the deep luster of objects made of gold, and the accompanying feeling of luxury.



SunLike lighting clearly brings out colors ranging from faint to vivid. The beauty of the meticulous weaving of clothing items is depicted in every detail.



SunLike produces a balance of cool and warm light that replicates the natural solar spectrum. They're excellent for seedlings as well as houseplants, culinary herbs and other plants.



Recessed

Zero Semi Recessed



P. 08

Colosseo



P. 09

Zero In & Out



P. 10

Iride



P. 11

Punto Round



P. 12

Punto Square



P. 12

Lumi



P. 13

Micron



P. 14

Occhio Pin Adjustable



P. 15

Occhio Slot



P. 16

Nippo Round



P. 17

Nippo Square



P. 17

Track

Zero Compasso



P. 19

Surface

Pixo 77



P. 21

Pendant

Pixo 36 | 77



P. 23

48V Low Voltage Track

Zero Low Voltage



P. 25

Zero Long Arm Low Voltage



P. 26

Zero Zoom Low Voltage

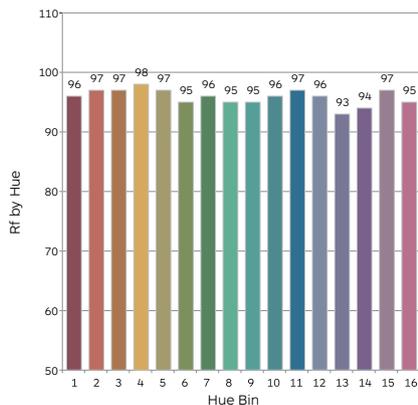


P. 27

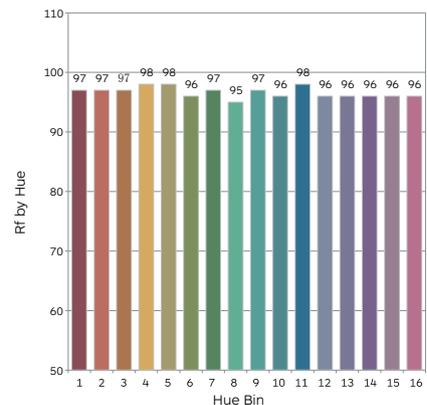
TM-30

SunLike has color rendering properties closer to 100, and is capable of reproducing colors in a manner comparable to that of the sun.

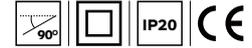
Here are the diagrams of formalighting's SunLike fixtures for 3000K and 4000K. We also have available the options 2700K and 3500K. Please contact us for more CCT information.



3000K | 4000K



Zero



Semi Recessed 40 | 66

Body

Semi-recessed luminaire with round mounting trim in cast aluminium with springs for trim installation on a ceiling thickness of max. 12mm.

Light head and arm in cast aluminium.

The light head is tiltable up to 90° and rotatable horizontally 355°.

Accessories

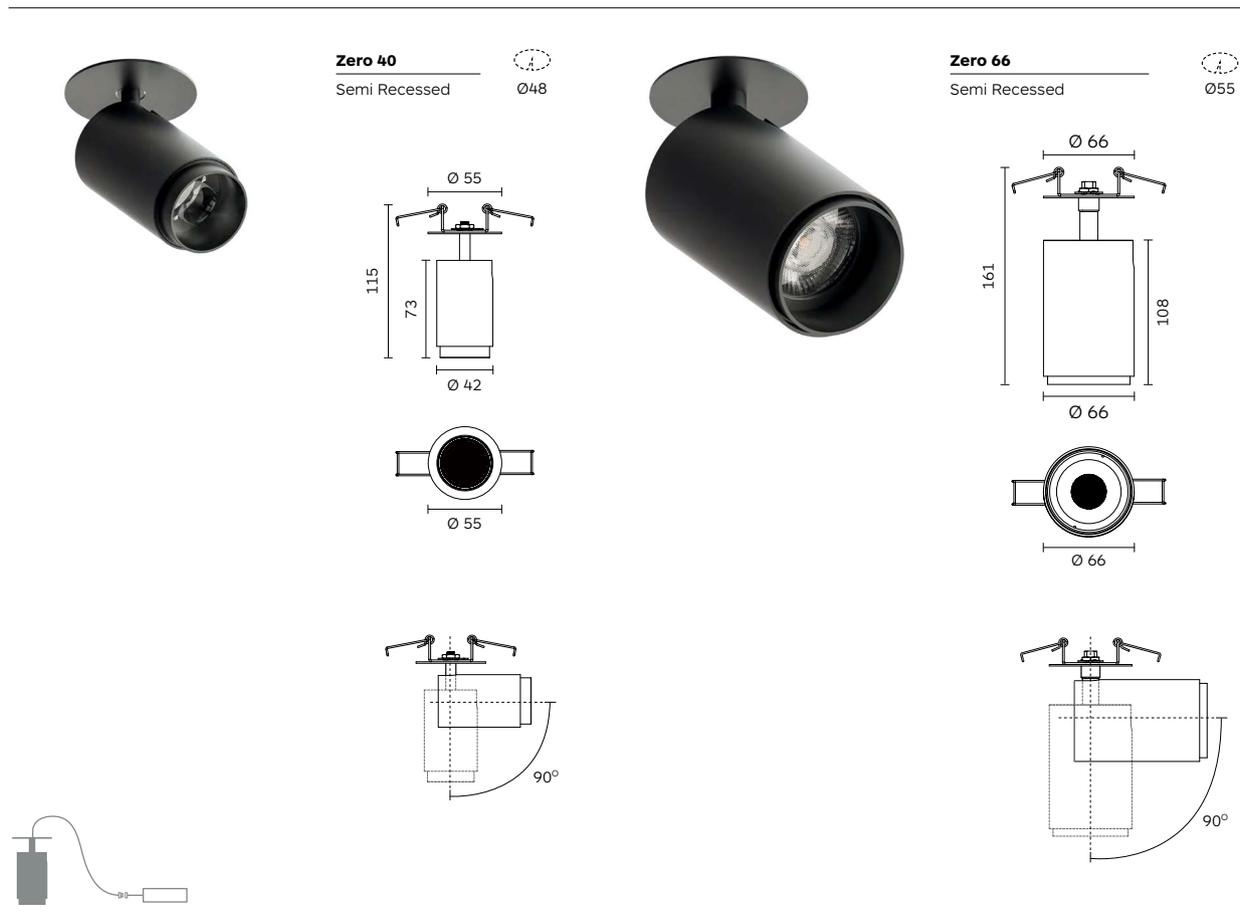
Coloured filters, honeycomb louvre. Check page 28 for details.

Driver

Supplied with No-dimable remote driver. Diming Options: 0-10V Dim, DALI.

Applications

Its unique pull-down mechanism, enables it to function as either a downlight or a exposed lamp able to emulate a surface or track fixture. Application areas: retail, hotels, museums, window displays.



Code ordering example: **R 0 9 2 B K 1 1** - **9 7 3 0 1 6 D 0 1 0**

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish	
Zero Semi Recessed 40	RO92	BK11	SunLike LED	97	30 3000K	7.5W	728 lm	16 / 26 / 36	D0 No Dim DA Dali Dim DC CASAMBI D1 0-10V Dim	10 Black
				40 4000K	758 lm	11 White				
Zero Semi Recessed 66	RP62	BK12			11W	1129 lm 1170 lm	16 / 25 / 36			

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Colosseo



Recessed 75 | 90 | 120

Body

Round mounting trim in cast aluminum with spring for trim installation or brackets for trimless installation on a ceiling thickness 6-15 mm.

Luminaire body inclusive of snoot in cast aluminum.

Easy relamping via removable front ring by snap-in catch action.

Available in 3 sizes. Tilttable in two directions up to 30°.

Accessories

Coloured filters, honeycomb louvre. Check page 28 for details.

Driver

Supplied with No-dimable remote driver. Diming Options: 0-10V Dim, DALI, Phase, CASAMBI.

Applications

A fully adjustable light head designed to accommodate any recessed lighting application and allow lamp aiming while power is on. Application areas: retail, shopping centers, corridors, window display.

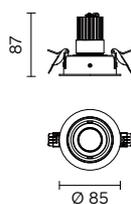


Colosseo 75

Adjustable Trim



Ø75

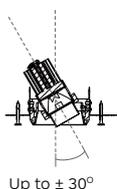
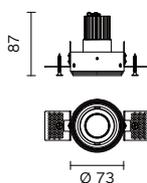


Colosseo 75

Adjustable Trimless



Ø75



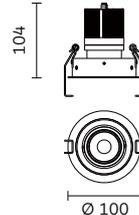
Up to ± 30°

Colosseo 90

Adjustable Trim



Ø92

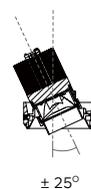
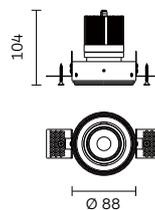


Colosseo 90

Adjustable Trimless



Ø90



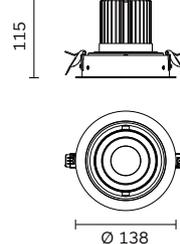
± 25°

Colosseo 120

Adjustable Trim



Ø128

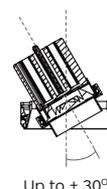
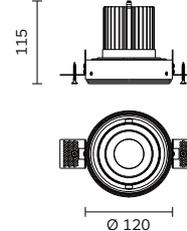


Colosseo 120

Adjustable Trimless



Ø122



Up to ± 30°

Code ordering example: **RP19-MK11-97-30-18-D0-11**

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Colosseo 75 Adjustable	RP19 <input checked="" type="radio"/> RP20 <input type="radio"/>	MK11 SunLike LED	97	30 3000K 40 4000K	9.5W	888 lm 924 lm	18 / 28 / 34	D0 No Dim DA Dali Dim DP Phase Dim	11 <input type="checkbox"/> White
Colosseo 90 Adjustable	RO32 <input checked="" type="radio"/> RO44 <input type="radio"/>	MK12			17W	1129 lm 1170 lm	18 / 24 / 36	DC CASAMBI D1 0-10V Dim	
Colosseo 120 Adjustable	RO33 <input checked="" type="radio"/> RO23 <input type="radio"/>	MK13			21W	2336 lm 2394 lm	18 / 26 / 36		

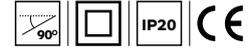
Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Zero In & Out



Recessed Round 40 | 66

Body

Recessed luminaire with round mounting trim in cast aluminium with springs for trim installation on a ceiling thickness of 1-25mm.

Luminaire body and retractable light head in cast aluminium. Available in 2 different sizes.

The fully retractable light head is tiltable up to 90° and rotatable horizontally 355°.

Accessories

Coloured filters, linear spread, honeycomb louvre, anti-glare tube and anti-glare hood. Check page 28 for details.

Driver

Supplied with no-dimable remote driver. Dimming Options: 0-10V, DALI, CASAMBI.

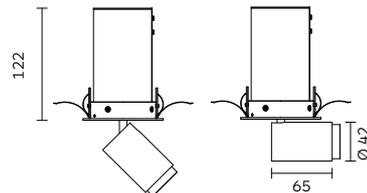
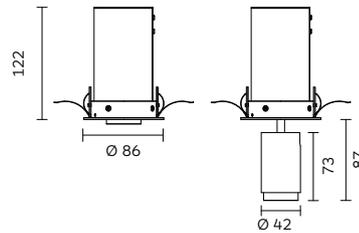
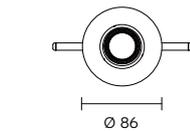
Applications

Its unique pull-down mechanism, enables it to function as either a downlight or a exposed lamp able to emulate a surface or track fixture. Application areas: retail, hotels, museums, window displays.



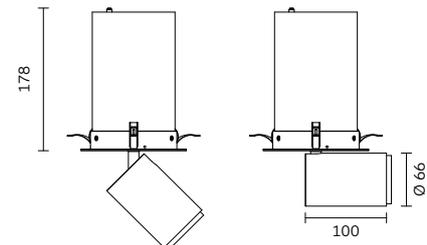
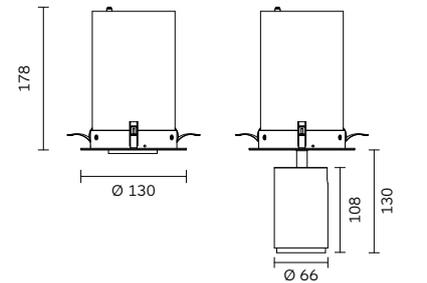
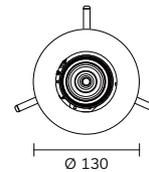
Zero In & Out 40

Adjustable Trim



Zero In & Out 66

Adjustable Trim



Code ordering example: **R O 4 2 B K 1 1 - 9 7 3 0 1 6 D 0 1 0**

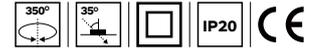
	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Zero In & Out 40 Adjustable	RO42 BK11	SunLike LED	97	30 3000K	7.5W	728 lm	16 / 26 / 36	D0 No Dim DA Dali Dim DC CASAMBI	10 Black
				40 4000K		758 lm			11 White
Zero In & Out 66 Adjustable	RO43 BK12				11W	1129 lm 1170 lm	16 / 25 / 36	D1 0-10V Dim	

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.



Iride

Designed by **Walter Amort** (Registered)

Body

Round mounting trim in cast aluminum with springs for trim installation on a ceiling thickness of 1-25mm.

Luminaire body in cast aluminium and thermoplastic materials.

Easy relamping via removable front ring with twist-lock action for retrofit version. The fully retractable lighthouse is tiltable with up to 35° and rotatable horizontally 350°.

Accessories

Coloured filters, linear spread, honeycomb louvre. Check page 28 for details.

Driver

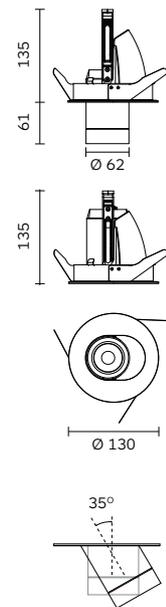
Supplied with No-dimable remote driver. Dimming Options: 0-10V Dim, DALI, Phase, CASAMBI.

Applications

His unique pull-down mechanism enables it to function as either a downlight, a recessed accent light with great cut-off, or a exposed lamp head able to emulate a surface or track fixture. Application areas: retail, museums, showrooms, window displays.



Iride 62
Adjustable Trim Ø116



Code ordering example: **R 0 5 8 M K 1 2 - 9 7 3 0 1 8 D 0 1 0**

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Iride 62	RO58	○ MK12	97	30 3000K	11W	1129 lm	18 / 24 / 36	D0 No Dim	10 Black
Adjustable				40 4000K		1170 lm		DA Dali Dim	11 White
								DP Phase Dim	
								DC CASAMBI	
								D1 0-10V Dim	
								00 No Driver	

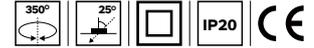
Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Punto



Recessed Round & Square 100

Body

Round and square shape mounting trim in cast aluminum with springs for trim installation on a ceiling thickness of max. 25mm or brackets for trimless installation on a ceiling thickness 12.5-15mm.

Luminaire body in cast aluminium. Easy relamping tool-free via removable lamp front ring by twist and lock action.

Adjustable version tiltable vertically 0-25° tilt and rotatable horizontally 350°.

Accessories

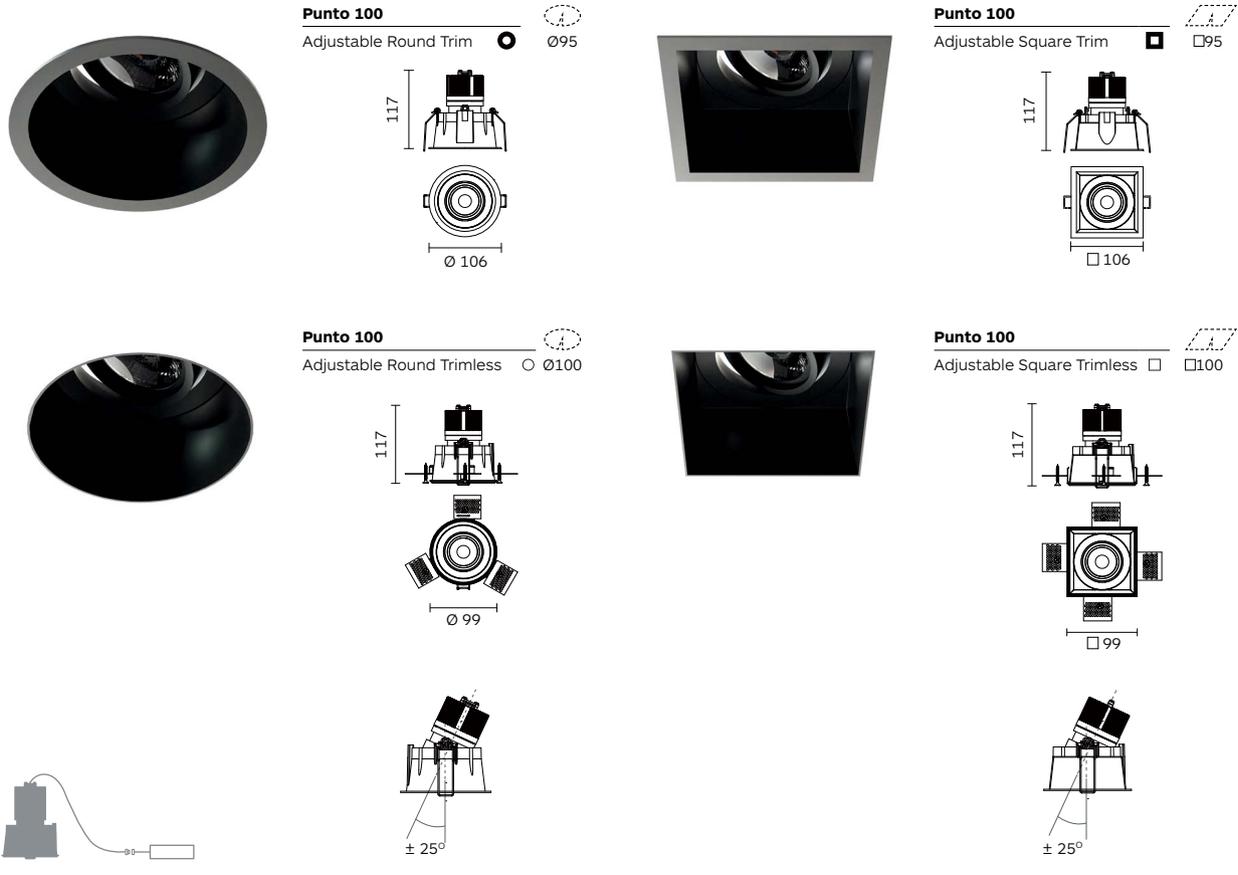
Coloured filters, linear spread, honeycomb louvre, anti-glare tube. Check page 28 for details.

Driver

Supplied with No-dimable remote driver. Diming Options: 0-10V Dim, DALI, Phase, CASAMBI.

Applications

A visual simplicity seamless shape designed for excellent visual comfort versions include full directional light adjustability for maximum versatility keeping homogeneous appearance. Application areas: retail, hotels, restaurants, hospitals, gyms.



Code ordering example: **RP26MK12-973018D010**

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Punto 100 Adjustable Round	RP26 ○	MK12 SunLike LED	97	30 3000K	11W	1129 lm	18 / 24 / 36 / 58	D0 No Dim	10 ■ Black
Punto 100 Adjustable Square	RF56 ○			40 4000K		1170 lm		DA Dali Dim	11 □ White
Punto 100 Adjustable Round Trimless	RP27 □							DP Phase Dim	
Punto 100 Adjustable Square Trimless	RF58 □							DC CASAMBI	
								D1 0-10V Dim	
								00 No Driver	

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Lumi



Recessed 62 | 50

Body

Round shape mounting trim in cast aluminum with twist and lock action for trim installation and additional bracket for trimless installation on a ceiling thickness max. 20mm. Lamp body and lock cone in cast aluminium.

Fixing ring can be installed independently. IP40 luminaire.

Accessories

Honeycomb louvre.
Check page 28 for detail.

Driver

Supplied with No-dimable remote driver.
Diming Options: 0-10V Dim, DALI, Phase, CASAMBI.

Applications

A concealed light source for minimum glare design of small aperture recessed luminaires that easily blend into the architecture to meet the need of designers. Application areas: retail, showrooms, residential, restaurants, hotels.

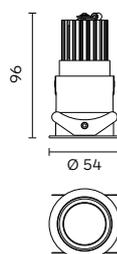


Lumi 50

Fixed Trim



Ø48

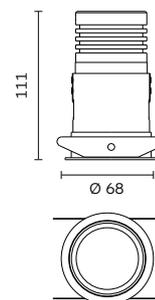


Lumi 65

Fixed Trim



Ø63

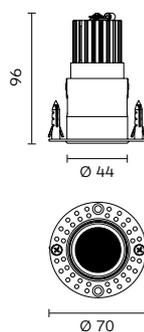


Lumi 50

Fixed Trimless



Ø48

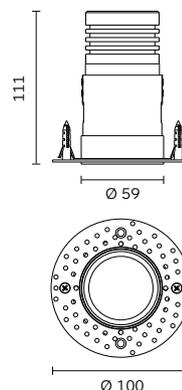


Lumi 65

Fixed Trimless



Ø63



Code ordering example: **R P 2 9 B K 1 1 - 9 7 3 0 1 6 D 0 1 0**

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish	
Lumi 50 Fixed	RP29 <input checked="" type="radio"/>	BK11	SunLike LED	97	30 3000K	7.5W	728 lm	16 / 26 / 36	D0 No Dim	10 <input checked="" type="checkbox"/> Black
	RP30 <input type="radio"/>			40 4000K		770 lm		DA Dali Dim	11 <input type="checkbox"/> White	
Lumi 65 Fixed	RP22 <input checked="" type="radio"/>	BK12			11W	1129 lm	18 / 24 / 36	DP Phase Dim		
	RP23 <input type="radio"/>					1170 lm		DC CASAMBI		
								D1 0-10V Dim		

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Micron



Recessed

Body

Round shape mounting trim in cast aluminum with springs for trim installation on a ceiling thickness max. 20mm.

Lamp body in cast aluminium and fixing ring in steel. Fixing ring can be installed independently.

Easy relamping via removable light head by snap-in catch action. Available in IP20/IP54 versions. Tilttable vertically 0-35° tilt and rotatable horizontally 350°.

Accessories

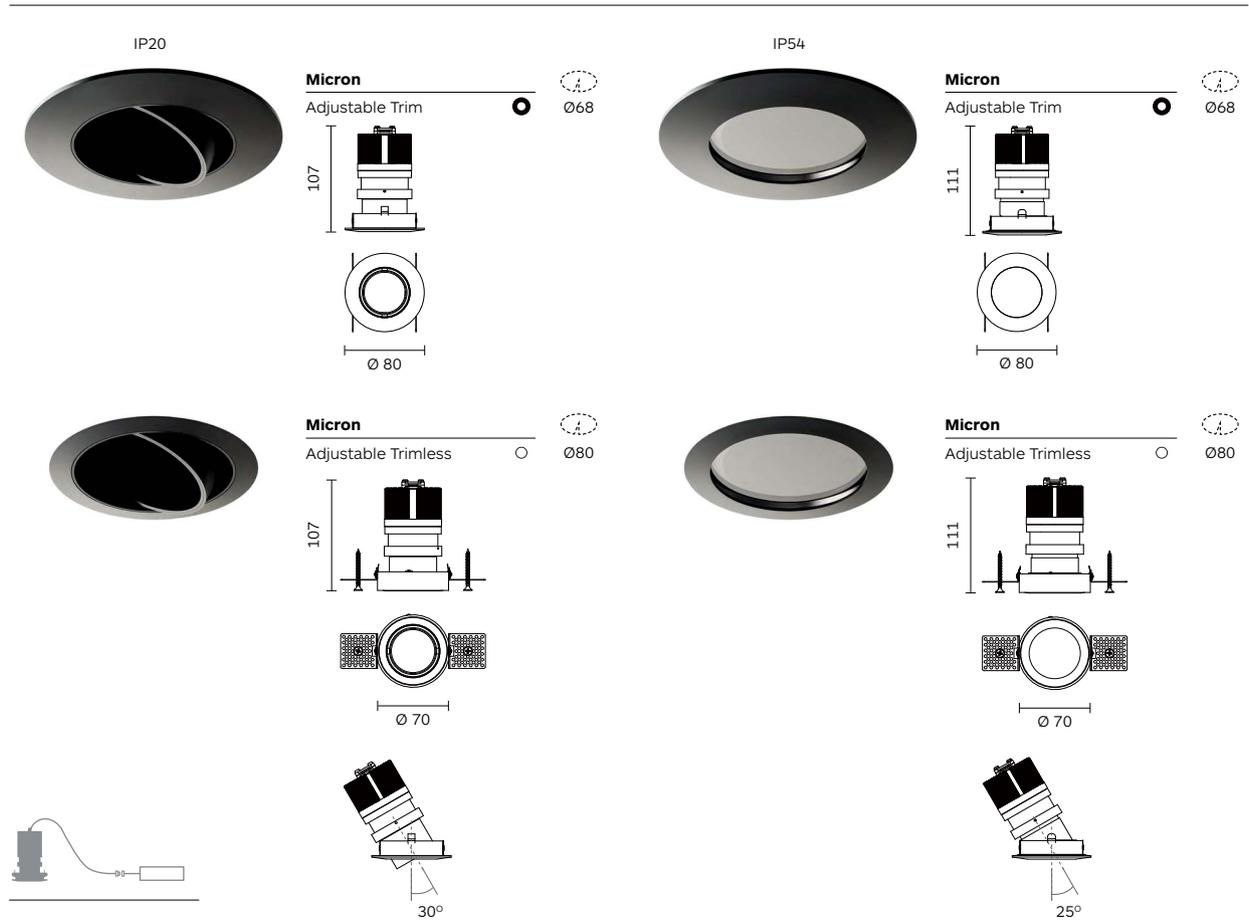
No accessories available.

Driver

Supplied with No-dimable remote driver. Diming Options: 0-10V Dim, DALI, Phase, CASAMBI.

Applications

A concealed light source for minimum glare design of small aperture recessed luminaires that easily blend into the architecture to meet the need of designers. Application areas: retail, showrooms, residential, restaurants, hotels.



Code ordering example: **RL59MK12-973018D010**

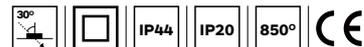
	Product Code	Ingress Protection	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Micron Adjustable	RL59 <input checked="" type="radio"/>	IP20	MK12 SunLike LED	97	30 3000K	11W	1129 lm	18 / 24 / 36	D0 No Dim	10 <input checked="" type="checkbox"/> Black
	RO56 <input type="radio"/>				40 4000K		1170 lm		DA Dali Dim	11 <input type="checkbox"/> White
	RL60 <input checked="" type="radio"/>	IP54							DP Phase Dim	
	RO57 <input type="radio"/>								DC CASAMBI	
									D1 0-10V Dim	
									O0 No Driver	

Notes:

- * For complete code ordering information, please see page 33.
 - ** For other CCT options, please contact us.
- For the most updated product information, please go to our website.

Occhio Pin

Adjustable Recessed 65 | 87



Body

Round shape mounting trim in cast aluminum with brackets for trim installation on a ceiling thickness max. 20mm.

Light body in cast aluminium. Available in two different designs, Pin and Slot. IP44 version for water protection ideal for bathroom.

Designed with deep regressed lamp position for glare-free comfort. Adjustable version tiltable vertically 0-35°.

Accessories

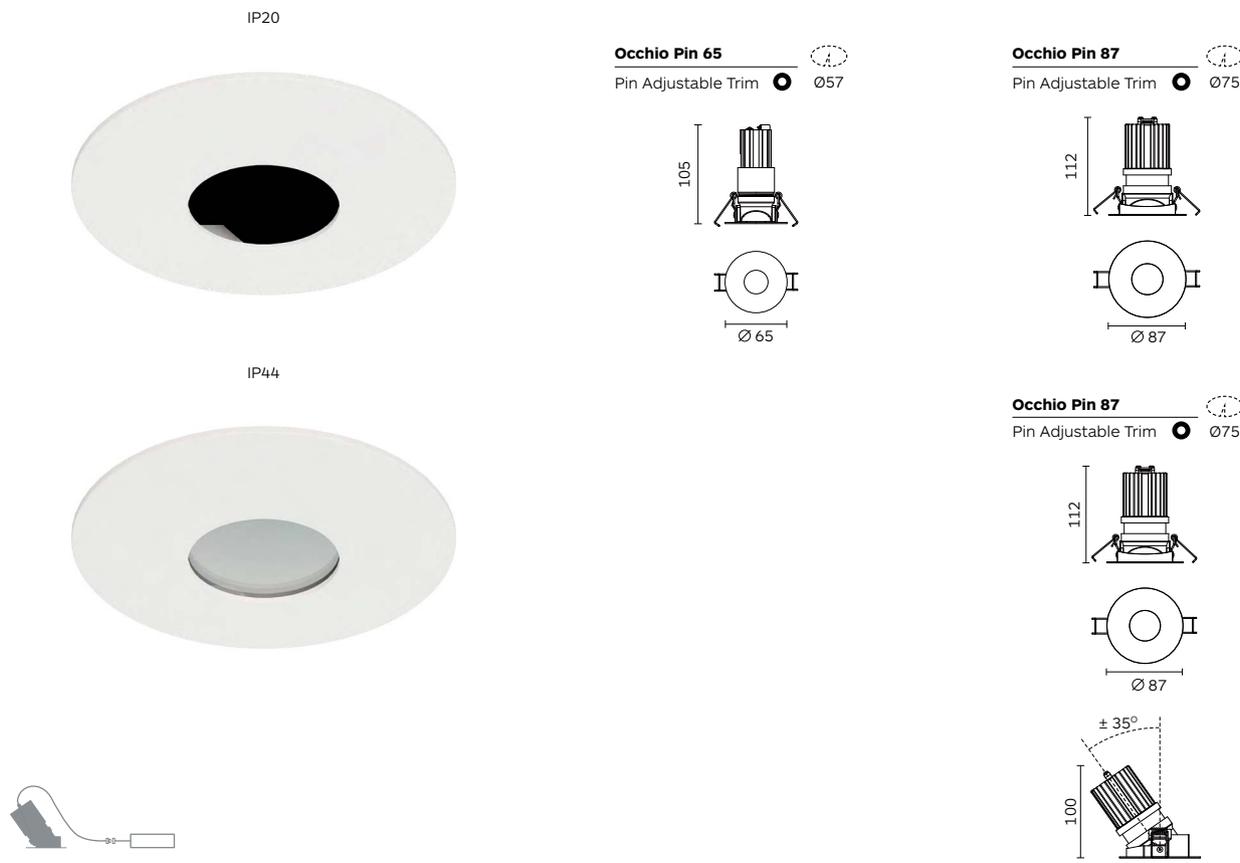
Occhio 65: Honeycomb louvre.
Occhio 87: Coloured filters, linear spread, honeycomb louvre, protective recessed ring, protective ring.
Check page 28 for details.

Driver

Supplied with No-dimable remote driver.
Diming Options: 0-10V Dim, DALI, Phase, CASAMBI.

Applications

Outstanding lighting fixture. Occhio Pin provides a consistent ceiling appearance whilst the Occhio Slot provides the maximum adjustment in this type of small fixture.
Application areas: bathrooms, residential, museums, retail, hotels.



Code ordering example: **R N 5 8 M K 1 1 - 9 7 3 0 1 6 D 0 1 0**

	Product Code	Ingress Protection	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Occhio 65 Pin Adjustable	RN58 ○	IP20	MK11 SunLike LED	97	30 3000K	7.5W	728lm	16 / 30	D0 No Dim	10 ■ Black
					40 4000K		758 lm		DA Dali Dim	11 □ White
									DP Phase Dim	75 ■ Grey
Occhio 87 Pin Adjustable	RL01 ○	IP20	MK12			11W	1129 lm	18 / 24 / 36	DC CASAMBI	
		RL42 ○		IP44				1170 lm		D1 0-10V Dim

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Occhio Slot



Adjustable Recessed 65 | 87

Body

Round shape mounting trim in cast aluminum with brackets for trim installation on a ceiling thickness max. 20mm.

Light body in cast aluminium. Available in two different designs, Pin and Slot. IP44 version for water protection ideal for bathroom.

Designed with deep regressed lamp position for glare-free comfort. Adjustable version tiltable vertically 0-35°.

Accessories

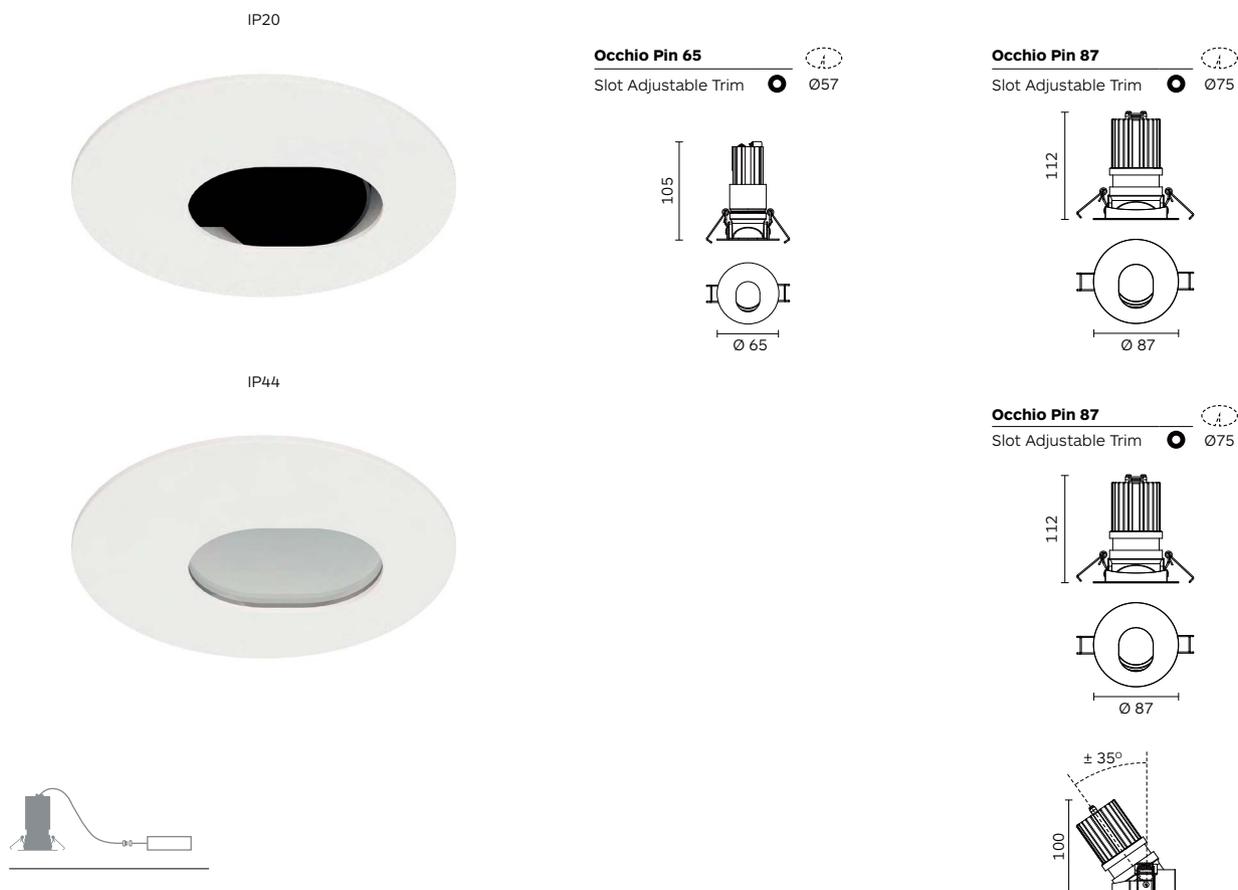
Occhio 65: Honeycomb louvre.
Occhio 87: Coloured filters, linear spread, honeycomb louvre, protective recessed ring, protective ring.
Check page 28 for details.

Driver

Supplied with No-dimable remote driver.
Diming Options: 0-10V Dim, DALI, Phase, CASAMBI.

Applications

Outstanding lighting fixture. Occhio Pin provides a consistent ceiling appearance whilst the Occhio Slot provides the maximum adjustment in this type of small fixture.
Application areas: bathrooms, residential, museums, retail, hotels.



Code ordering example: **R N 5 6 M K 1 1 - 9 7 3 0 1 6 D 0 1 0**

	Product Code	Ingress Protection	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Occhio 65 Slot Adjustable	RN56 ○	IP20	MK11 SunLike LED	97	30 3000K	7.5W	728 lm	16 / 30	D0 No Dim	10 ■ Black
					40 4000K		758 lm		DA Dali Dim	11 □ White
							1170 lm		DP Phase Dim	75 ■ Grey
Occhio 87 Slot Adjustable	RL05 ○ RL46 ○	IP20	MK12			11W	1129 lm	18 / 24 / 36	DC CASAMBI	
		IP44				1170 lm	D1 0-10V Dim			

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Nippo



Recessed Round & Square

Body

Round or square shape mounting trim in cast aluminium with springs for trim installation on a ceiling thickness max. 25mm.

Luminaire body in cast aluminium inclusive of dark light cone reflector in super pure aluminium.

Designed for optimum heat dissipation. Easy relamping via removable front reflector and by twist-lock action.

Tilttable vertically 0-30° and rotatable horizontally 350°.

Accessories

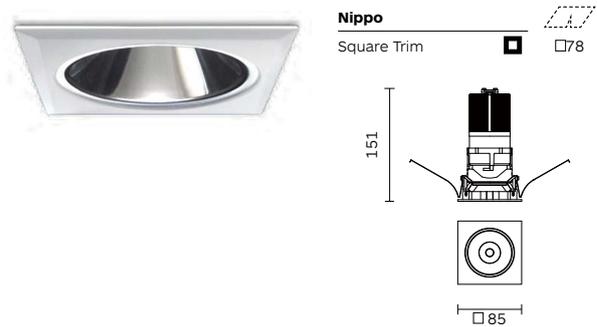
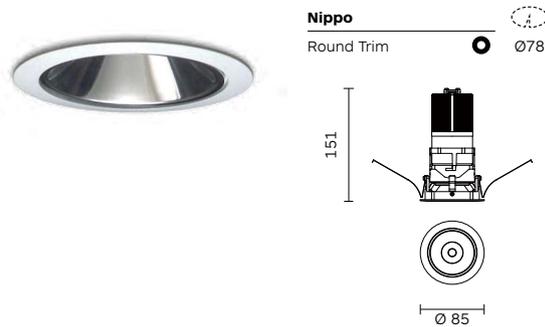
Coloured filters, linear spread, honeycomb louvre. Check page 28 for details.

Driver

Supplied with No-dimable remote driver. Diming Options: 0-10V Dim, DALI, Phase, CASAMBI.

Applications

Adjustable fixture include a specular darklight cone reflector offering excellent glare-free visual comfort to minimize impact while piercing through ambient light levels. Application areas: hotels, residential, retail, galleries.



Code ordering example: **R J 1 1 M K 1 2 - 9 7 3 0 1 6 D 0 1 1**

	Product Code	Ingress Protection	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Nippo Round	RJ11 ○	IP20	MK12 SunLike LED	97	30 3000K	13W	1305 lm	16 / 26	D0 No Dim	11 □ White
	RL54 ○	IP44			40 4000K		1350 lm		DA Dali Dim	75 ■ Grey
Nippo Square	RL48 □	IP20							DP Phase Dim	
	RL55 □	IP44							DC CASAMBI	
									D1 0-10V Dim	

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Track Lighting

Zero Compasso



Track 40 | 66 | 100 | 130

Body

Track mounted spotlight, inclusive of integrated driver, with lighthouse in cast aluminium.

Available with 3 circuit universal track adapter or Dali track adapter.

Designed for passive cooling.

Available in four different sizes. Versatile aiming angle tiltable vertically 0°-90° and rotatable horizontally 350°.

Accessories

Coloured filters, linear spread, honeycomb louvre, anti-glare tube, wallwasher visor. Check page 29 for details.

Driver

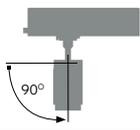
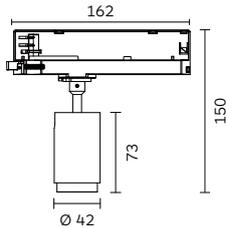
inclusive of integrated no-dimable driver. Dimming Options: DALI, CASAMBI, 0-10V (100,130), Phase (100, 130)."

Applications

A modern design consisting for the purpose to meet the highest requirements of the latest advanced lighting technology. Application areas: retail, museums, hospitality, residential, offices, lobbies.

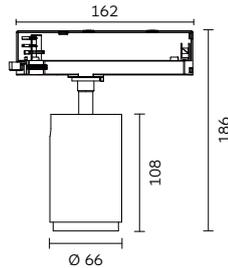
Zero Compasso 40

Track



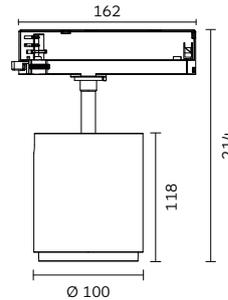
Zero Compasso 66

Track



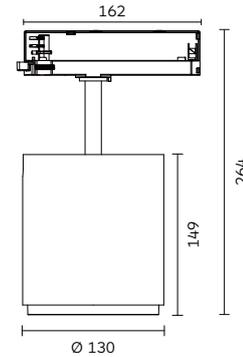
Zero Compasso 100

Track



Zero Compasso 130

Track



Code ordering example: 6 5 7 1 MK 11 - 9 7 3 0 1 6 D 0 1 0

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Zero Compasso 40 Track	6571	MK11 SunLike LED	97	30 3000K 40 4000K	7.5W	728 lm 758 lm	16 / 26 / 36	DO No Dim DA Dali Dim DC CASAMBI	10 ■ Black 11 □ White
Zero Compasso 66 Track	6573	MK12			13W	1305 lm 1350 lm			
Zero Compasso 100 Track	6575	MK13			21W	2336 lm 2394 lm	18 / 27 / 38		
Zero Compasso 130 Track	6577	MK13			33W	3322 lm 3404 lm	14 / 24 / 33		

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Surface Lighting

Pixo



Surface 77

Body

Ceiling mounted luminaire with light body in extruded aluminium.

Light body available in three different lengths.

Exchangeable front ring in wide range of colours.

Accessories

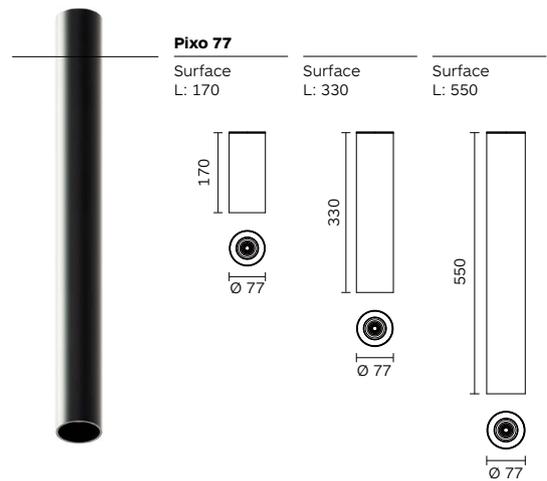
Decorative front ring available in different colours, Acrylic decorative diffuser, Honeycomb louvre. Check page 29 for details.

Driver

Supplied with integrated no-dimable driver. Dimming Options: 0-10V Dim, DALI, Phase, CA-SAMBI.

Applications

A modern designed surface ambient light. Its accessories make it the perfect match for sophisticated environments. Application areas: residential, hotels, restaurants, retail, corridors.



Code ordering example: 1 3 8 7 B K 1 2 - 9 7 3 0 1 2 D 0 1 0

	Product Code	Product Length	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Pixo 77 Surface	1388	170	BK12 SunLike LED	97	30 3000K	13W	1305 lm	12 / 20 / 32	D0 No Dim	10 ■ Black
	1390	330			40 4000K		1350 lm			11 □ White
	1392	550								

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Pendant Lighting

Pixo



Pendant 36 | 77

Body

Pendant mounted luminaire with light body in extruded aluminium.

Light body available in two diameter (25 and 77mm) and four different length, to fit any ceiling height.

Exchangable front ring in wide range of colours. Supplied with ceiling canopy and pre-installed 1.5m electrical cable.

Accessories

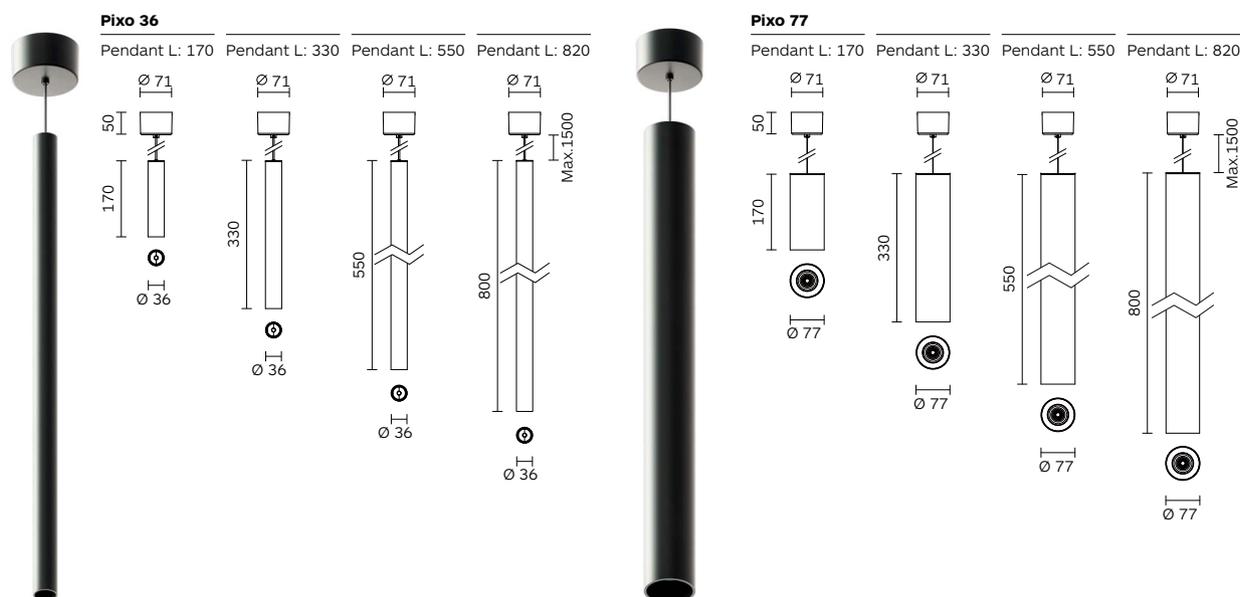
Honeycomb (77). Decorative ring available in different colours. Transparent acrylic decorative diffuser. Check page 30 for details.

Driver

Supplied with integrated no-dimable driver. Dimming Options (only for Pixo 77): 0-10V Dim, Phase, CASAMBI.

Applications

A modern designed pendant ambient light. Its accessories make it the perfect match for sophisticated environments. Application areas: residential, hotels, restaurants, retail, corridors.



Code ordering example: 7 2 3 5 B K 1 1 - 9 7 3 0 2 0 D 0 1 0

	Product Code	Product Length	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Pixo 36 Pendant	7235	170	BK11 SunLike LED	97	30 3000K	7.5W	728 lm	20 / 26 / 32	D0 No Dim	10 ■ Black
	7236	330								11 □ White
	7238	550								
	7240	800								
Pixo 77 Pendant	7234	170	BK12			13W	1305 lm	12 / 20 / 32		
	7237	330								
	7239	550								
	7241	800								

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Low Voltage Track Lighting

Zero Low Voltage



Low Voltage Track 40 | 66 | 100

Body

Track mounted 48V low voltagespotlight with lighthouse and arm in aluminium.

Integrated track adapter, compatible with different models of Stucchi low voltage track system.

Easy to insert and remove from the track. Designed for passive cooling.

Available in three different sizes (40, 66, 100). Versatile aiming angle tilttable vertically 0°-90° and rotatable horizontally 360°.

Accessories

Coloured filters, linear spread, honeycomb louvre, visor, anti-glare tube. For more information about low voltage track accessories see page 30.

Driver

Integrated 48V DC input. Diming Options: 0-10V, DALI, Casambi.

Power supply unit to be ordered separately.

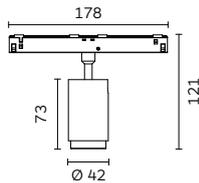
Applications

A modern design consisting for the purpose to meet the highest requirements of the latest advanced lighting technology. Application areas: retail, museums, hospitality, residential, offices, lobbies.



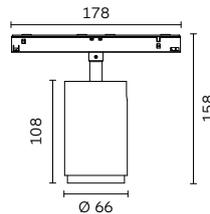
Zero 40 Low Voltage

Low Voltage Track



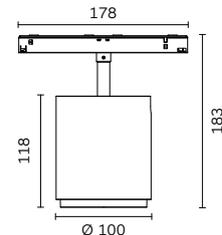
Zero 66 Low Voltage

Low Voltage Track



Zero 100 Low Voltage

Low Voltage Track



Code ordering example: **9 6 1 4 B K 1 1 - 9 7 3 0 1 6 D 0 1 0**

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Zero 40 Low Voltage	9614	BK11	SunLike LED	97	30	3000K	16 / 26 / 36	D0	10 ■ Black
				40	40	4000K			
Zero 66 Low Voltage	9615	BK12				1305 lm	16 / 25 / 36	D1	
						1350 lm			
Zero 100 Low Voltage	9616	BK13				2336 lm	18 / 27 / 38		
						2394 lm			

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Zero Low Voltage



Long Arm 40 | 66 | 100 for Low Voltage Track

Body

Zero with long arm is track mounted 48V low voltage spotlight with lighthouse and arm in aluminium.

Integrated track adapter, compatible with different models of Stucchi low voltage deep track system.

Easy to insert and remove from the track. Designed for passive cooling.

Available in three different sizes (40, 66, 100). Versatile aiming angle tiltable vertically 0°-90° and rotatable horizontally 360°.

Accessories

Coloured filters, linear spread, honeycomb louvre, visor, anti-glare tube.

For more information about low voltage track accessories see page 30.

Driver

Integrated 48V DC input.

Dimming Options: 0-10V, DALI, Casambi.

Check page XX for more details about dimming options. **Power supply** unit to be ordered separately, see page XX.

Applications

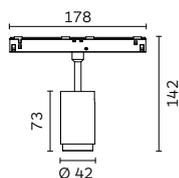
A modern design consisting for the purpose to meet the highest requirements of the latest advanced lighting technology.

Application areas: retail, museums, hospitality, residential, offices, lobbies.



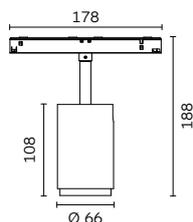
Zero 40 Low Voltage

With Long Arm for Low Voltage Track



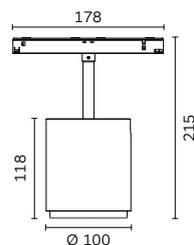
Zero 66 Low Voltage

With Long Arm for Low Voltage Track



Zero 100 Low Voltage

With Long Arm for Low Voltage Track



Code ordering example: **9 6 3 1 B K 1 1 - 9 7 3 0 1 6 D 0 1 0**

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish
Zero 40 Low Voltage with Long Arm	9631	BK11	SunLike LED	97	30	3000K	16 / 26 / 36	D0 No Dim DA Dali Dim DC CASAMBI D1 0-10V Dim	10 ■ Black
				40	30	4000K			11 □ White
Zero 66 Low Voltage with Long Arm	9632	BK12			13W	1305 lm 1350 lm	16 / 25 / 36		
Zero 100 Low Voltage with Long Arm	9634	BK13			21W	2336 lm 2394 lm	18 / 27 / 38		

Notes:

* For complete code ordering information, please see page 33.

** For other CCT options, please contact us.

For the most updated product information, please go to our website.

Zero Zoom



80 Low Voltage Track

Body

Track mounted 48V low voltagespotlight with lighthouse and arm in cast aluminium.

Integrated track adapter, compatible with different models of Stucchi low voltage track system. Easy to insert and remove from the track. Beam Angle manually adjustable trough ring rotation, from 10° to 35°.

Designed for passive cooling. Versatile aiming angle tiltable vertically 0°-90° and rotatable horizontally 360°.

Accessories

For more information about low voltage track accessories see page 30.

Driver

Integrated 48V DC input. Dimming Options: 0-10V, DALI, Casambi. Check page 48 for more details about dimming options. **Power supply** unit to be ordered separately, see page XX.

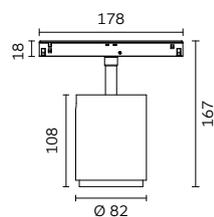
Applications

A modern design consisting for the purpose to meet the highest requirements of the latest advanced lighting technology. Application areas: retail, museums, hospitality, residential, offices, lobbies.



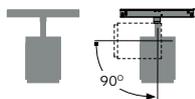
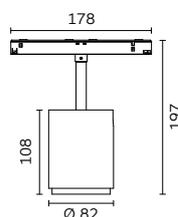
Zero Zoom 80 Low Voltage

Low Voltage Track

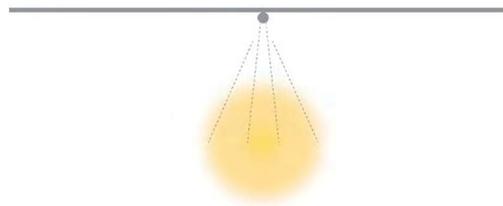


Zero Zoom 80 Low Voltage

With Long Arm for Low Voltage Track



Zoom Spotlights



Zoom Spot 10° - 35°

Code ordering example: **9 6 1 7 B K 1 1 - 9 7 3 0 B S D 0 1 0**

	Product Code	Light Source Code*	>CRI	CCT**	LED Power	Nominal Lumen	Beam Angle (BA°)	Driver Options	Finish	
Zero Zoom 80 Low Voltage	9617	BK11	SunLike LED	97	30 3000K	9.5W	888 lm	BS	D0 No Dim	10 ■ Black
					40 4000K		924 lm		DA Dali Dim	11 □ White
Zero Zoom 80 Low Voltage with Long Arm	9633							DC CASAMBI		
								D1 0-10V Dim		

Notes:

* For complete code ordering information, please see page 33. **BS** = Adjustable Beam Shaping lens with a 10°-35° range.

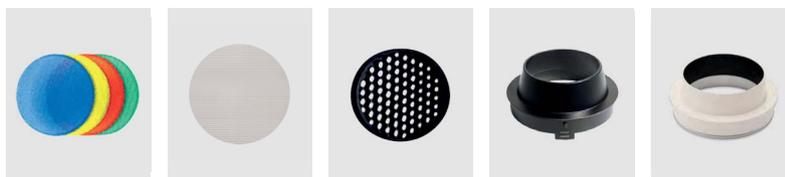
** For other CCT options, please contact us.

For the most updated product information, please go to our website.

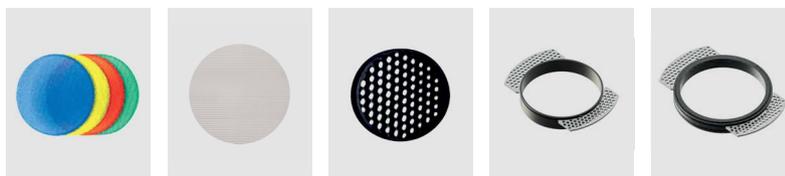
Optical Accessories | Recessed



Product / Optical Accessories	Coloured Filters Colours 25, 42, 55, 85	Linear Spread Colour 41	Honeycomb Louvre Colour 10	Wallwasher Visor Colours 10, 17	Anti-Glare Tube Colours 10, 17	Anti-Glare Cone Colours 10, 17	Anti-Glare Hood Colours 10, 17
Zero 40 Semi Recessed	2E36	/	2E35	/	/	/	/
Zero 66 Semi Recessed	2D63	/	2C65	/	/	/	/
Colosseo 75	2E37	/	2B76	/	/	/	/
Colosseo 90	2E38	/	2B95	/	/	/	/
Colosseo 120	2E39	/	2368	/	/	/	/
Zero In & Out 40	2E36*	2E44*	2E35	/	2E43	/	/
Zero In & Out 66	2D63*	2D62*	2C65	2D94	2D67	/	/
Punto 100 Round & Square	2614*	2615	2504	/	/	2661	2675
Lumi 50	/	/	2B76	/	/	/	/
Lumi 65	/	/	2B95	/	/	/	/



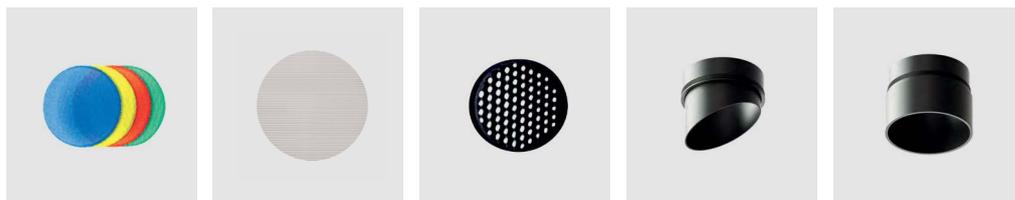
Product / Optical Accessories	Coloured Filters Colours 25, 42, 55, 85	Linear Spread Colour 41	Honeycomb Louvre Colour 10	Anti-Glare Hood Colours 10, 17	Anti-Glare Tube Colours 10, 17
Iride 62	2614*	2615*	2504	/	/
Nippo Round & Square	2662*	2663	2634	/	/



Product / Optical Accessories	Coloured Filters Colours 25, 42, 55, 85	Linear Spread Colour 41	Honeycomb Louvre Colour 10	Protective Ring Recessed Colours 10, 17	Protective Ring Colours 10, 17
Occhio 65 Round	/	/	2B76	/	/
Occhio 87 Round	2614*	2615	2504	2D07	2D06

* With holder

Optical Accessories | Track



Product / Optical Accessories	Coloured Filters Colours 25, 42, 55, 85	Linear Spread Colour 41	Honeycomb Louvre Colour 10	Wallwasher Visor Colours 10, 17	Anti-glare Tube Colours 10, 17
Zero Compasso 40 Track	2E36	2E44	2E35	/	2E43
Zero Compasso 66 Track	2D63*	2D62*	2C65	2D94	2D67
Zero Compasso 100 Track	2E10*	2E12*	2C66	2E14	2E16
Zero Compasso 100 Track	/	/	2C70	/	/
Zero Compasso 130 Track	2E11*	2E13*	2C67	2E15	2E17
Zero Compasso 130 Track	/	/	2E45	/	/

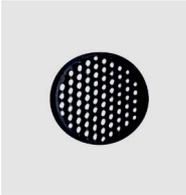
* With holder

Optical Accessories | Surface

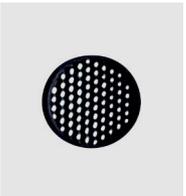


Product / Optical Accessories	Acrylic diffuser	Honeycomb Louvre Colour 10	Colour Ring Colour 33	Colour Ring Colour 35	Colour Ring Colour 55
Pixo 36 Surface	2E05	/	2E07	2E07	2E07
Pixo 77 Surface	2E06	2E09	2E08	2E08	2E08

Optical Accessories | Pendant

					
Product / Optical Accessories	Honeycomb Louvre Colour 10	Acrylic diffuser	Colour Ring Colour 33	Colour Ring Colour 35	Colour Ring Colour 55
Pixo 36 Pendant	/	2E05	2E07	2E07	2E07
Pixo 77 Pendant	2E09	2E06	2E08	2E08	2E08

Optical Accessories | Low Voltage Track

					
Product / Optical Accessories	Coloured Filters Colours 25, 42, 55, 85	Linear Spread Colour 41	Honeycomb Louvre Colour 10	Visor Colours 10, 17	Anti-glare Tube Colours 10, 17
Zero 40 Low Voltage & Zero 40 Low Voltage with Long Arm	2E36*	2E44*	2E35	/	2E43
Zero 66 Low Voltage & Zero 66 Low Voltage with Long Arm	2D63*	2D62*	2C65	2D94	2D67
Zero 100 Low Voltage & Zero 100 Low Voltage with Long Arm	2E10*	2E12*	2C66	2E14	2E16

* With holder

Symbols & Icons
Code System
Global Presence

Symbols & Icons

Trim Round	
Trim Square	
Trimless Round	
Trimless Square	
Round ceiling cut	
Square ceiling cut	
<p>The CE mark signifies that a product conforms with the relevant ECC directives requirements. The CE marking is compulsory to indicate LVD and EMC conformity.</p> <p>The CE mark is also a self certification that the manufacturer claims that the product is safe. The value of such claim is directly related to the case of FormaLighting: All products are designed, developed, manufactured under the scope of ISO 9001 quality systems.</p> <p>All formaLighting products are tested in Europe and certified by an independent laboratory that is registered and audited by an approved European testing authority.</p>	
<p>Others third party product approvals</p> <p>Our products include electrical and electronic components that carry other world wide Test House approvals such as those shown:</p>	
CLASS I Luminaires of insulation Class I - with earth connector.	
CLASS II Luminaires of insulation Class II - With safety isolation, this means the tension conduction element are protected by additional isolation. The isolation of an earth wire it is not necessary and the connection to it is not allowed.	
CLASS III Luminaires of insulation Class III - designed for operation of protected low voltage supply (>42V).	
Passes the 850C glow wire test in accordance with ICE 695-2-1.	
Passes the 960C glow wire test in accordance with ICE 695-2-1.	
Degree of Ingress Protection*	
Dim2Warm	
Tuneable White	
Recyclable	

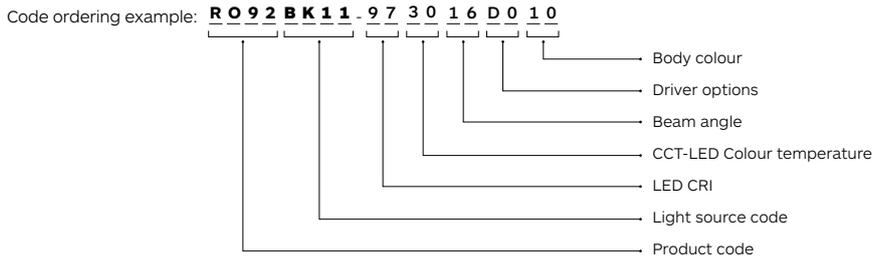
IP__ Degree of Ingress Protection

1st Number	Protection Against Dust and Solid Objects	2nd Number	Protection Against Moisture and Liquids
0	No-Protection	0	No-Protection
1	Protection against solid objects >50 mm	1	Protection against dripping water
2	Protection against solid objects >12 mm	2	Protection against dripping water tilted > 15 deg
3	Protection against solid objects >2.5 mm	3	Protection against spraying water > 30 deg
4	Protection against solid objects >1 mm	4	Protection against spraying water
5	Dust - protected	5	Protection against water jet
6	Dust - tight	6	Protection against waves
		7	Protection against the effects of immersion
		8	Protection against submersion

Level of Shock Resistance

IK00	Not protected	
IK01	Protected against 0.15 J shocks	
IK02	Protected against 0.2 J shocks	
IK03	Protected against 0.35 J shocks	
IK04	Protected against 0.5 J shocks	
IK05	Protected against 0.7 J shocks	
IK06	Protected against 1 J shocks	
IK07	Protected against 2 J shocks	
IK08	Protected against 5 J shocks	
IK09	Protected against 10 J shocks	
IK10	Protected against 20 J shocks	

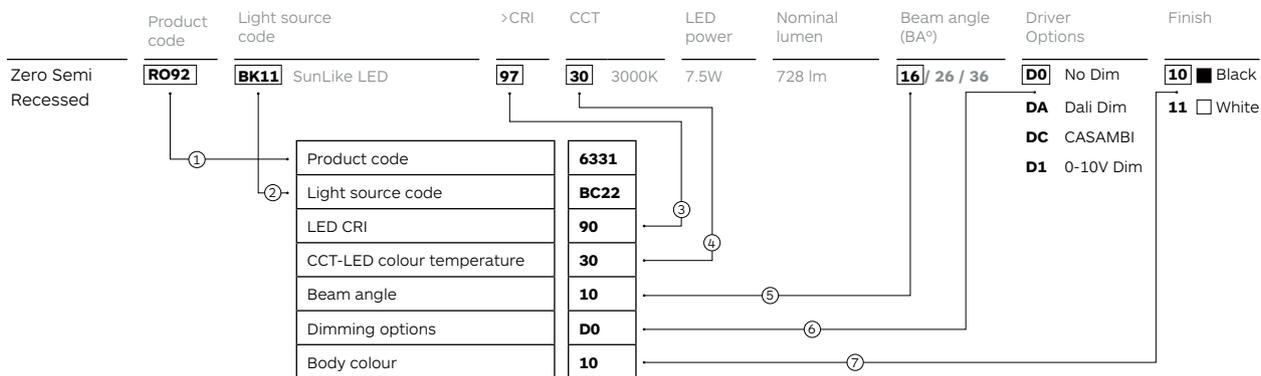
Code system



LED CRI		Driver Options		Body Colour	
80	CRI > 80	00	No Driver	10	Black
90	CRI > 90	D0	No dimming	11	White
95	CRI > 95	DL	Laser Dim	17	Black / White (B&W)
97	CRI > 97	DA	Dali Dim	26	White / Gold (W&G)
		DP	Phase	27	Chrome Polished
		DX	DMX	28	Brass Polished
		DC	CASAMBI	29	Grey (for Outdoor use)
		D1	0-10 Dim	33	Silver
				34	Nickel
				35	Gold
				54	Sanded White (for outdoor use)
				55	Red
				74	Nickel Polished
				75	Grey (RAL 9006)
				79	Natural Aluminium
				84	Stainless Steel
				92	Black / Grey (B&G)

CCT-LED Colour temperature	
27	Warm White 2700K
30	Warm White 3000K
40	Neutral White 4000K
50	Cool White 5000K
57	Cool White 5700K
TW	Tuneable White 1800K - 6000K

How to order



All dimensions in the catalogue in mm.

Global presence

Celebrating 50 years of vision, dedication and innovation, Formalighting's versatile and high-quality product offerings extends internationally via our headquarters in Hong Kong, London, Milan, Shanghai and the USA.

Our well chosen and selected partners as well as our affiliated international offices broaden our global presence further in markets such as Australia, Japan, South East Asia, India and the Middle East.

Through our commitment to growth and investment within formalighting's professional team, infrastructure and product ranges, we are able to provide increasing service to our global retail and hospitality clients as well as lighting designers and specifiers strengthening our position as a leading international supplier of innovative architectural lighting solutions and systems.

With 50 years' experience in designing and manufacturing architectural lighting, formalighting's comprehensive portfolio offers a competitive range of European designed and expertly engineered products that carry CB, CE, CCC and UL certifications.

Furthermore formalighting's latest award-winning motorized range of track, pendant, and recessed fixtures, featuring remote-controlled adjustable pan and tilt, dim, dim to warm, tuneable white and beam shaping lens, are available worldwide incorporating the latest, most advanced lighting technologies.

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Technical information on the installation-instruction has precedence over the information in the catalogue. Our general terms and conditions shall apply notwithstanding any stipulation on the contrary to all the orders and agreement with formalighting. You can obtain a copy of these conditions on demand.

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