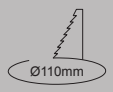
ZERO Recessed

Zero Maxi

Outer Dimension / Dış Ölçü

∅ 103.5mm

Cutout / Delik Ölçüsü

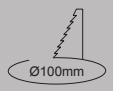


Zero Midi

Outer Dimension / Dış Ölçü

∅ 93.3mm

Cutout / Delik Ölçüsü

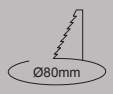


Zero Mini

Outer Dimension / Dış Ölçü

∅ 73.4mm

Cutout / Delik Ölçüsü

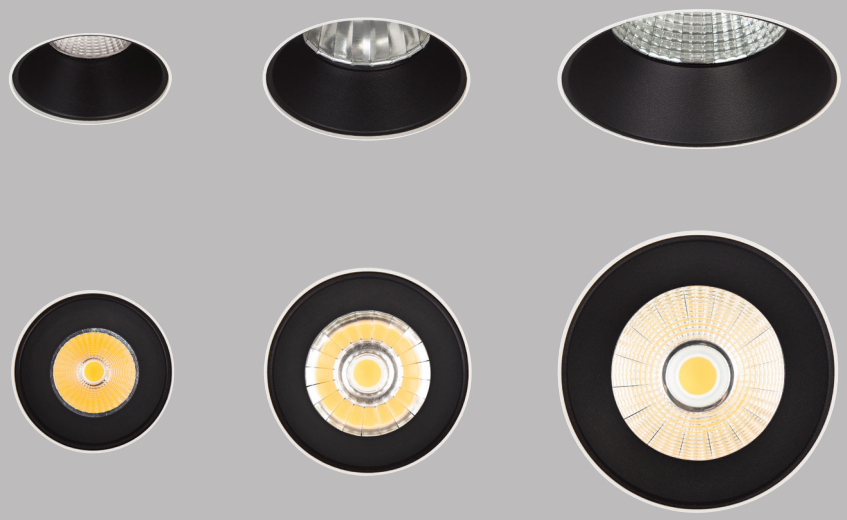


EN

- Die-cast aluminium body.
- Mains voltege: 220-240V / 50-60Hz.
- Clever thermal design with passive heat dissipation.
- Clear safety glass.
- Classic dimming systems of DALI, 1-10V and Phase-Cut Dim options.
- High tech control systems of Tuneable White, Warm Dim and Wireless Dim options.
- Basic colours: White, Black, Gray, Dark Gray, RAL9010 and special color options.
- Available accesories are Honeycomb Filter and Colour Filter.
- Spot, Medium Flood and Wide Flood beam angle options available with rotationally symmetric light distribution.
- Standart CRI>80, high CRI>90 and super high CRI>98 LED options available.
- Up to 130lm/W efficiency.
- High colour consistency: <3 SDCM
- Emergency kit system can be integrated.

TR

- Alüminyum enjeksiyon gövde.
- 220-240V / 50-60Hz enerji girişli.
- Pasif soğutma teknolojisine sahip akıllı soğutma tasarımı.
- Tamperli cam.
- Klasik DALI, 1-10V ve Faz DIM seçenekleri uygulanabilir.
- Yüksek teknoloji kontrol sistemleri olan Kablosuz DIM, Sıcak DIM ve Dinamik Beyaz uygulamaları yapılabilir.
- Standart renk seçenekleri: Beyaz, Siyah, Gri, Koyu Gri, RAL9010 yanında isteğe bağlı özel renk seçenekleri uygulanabilir.
- Balpeteği Filtresi ve Renk Filtresi aksesuar seçenekleri uygulanabilir.
- Dar, Orta Geniş ve Çok Geniş reflektör açı seçenekleri mevcuttur.
- Standart CRI>80, yüksek CRI>90 ve ekstra yüksek CRI>98 LED seçenekleri mevcuttur.
- 130lm/W'a varan verim.
- Yüksek renk uyumu: <3 SDCM
- Acil aydınlatma kit sistemi uygulanabilir.



ZERO integrates high and low lumen package lighting with zero frame look that minimizes the appearance of the spotlight in ceiling.

Latest LED technology with highest lumen/watt integrated with high efficient reflector technology makes ZERO range efficient and enviroment friendly lighting solution.

Honeycomb filter to reduce glare and colour filter to give different lighting effects can be integrated to the luminaire.

Different finishing options of the inner ring increases the architectural application options.

Düşük ve yüksek lümen paketi seçeneklerine sahip ZERO serisi, sıfır çerçeve yapısı sayesinde armatürün tavandaki görünümünü asgariye indirmektedir.

Son teknoloji yüksek lümen/watt değerlerine sahip COB Led ile beraber %90 verimliliğin üzerinde reflektör birleşimi ZERO serisini verimli aydınlatma aygıtı olmasını sağlar.

Kamaşmayı azaltmak için bal peteği filtresi ve farklı aydınlatma efektleri sağlamak için renk filtresi aksesuar seçenekleri kullanılabilir.

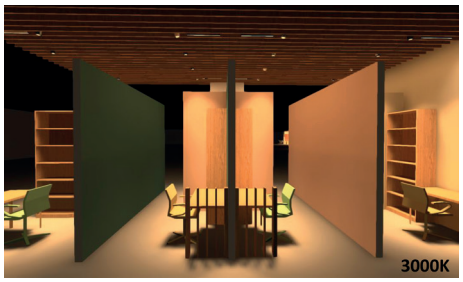
Farklı renk ve kaplama seçeneklerine sahip iç çemberi sayesinde farklı mimari uygulamalarda tercih edilebilir.

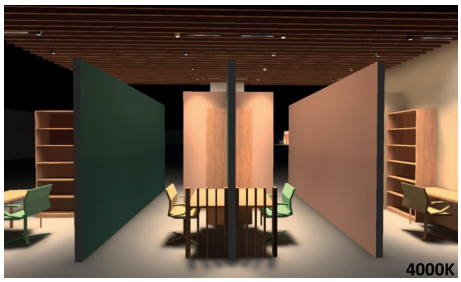
Zero

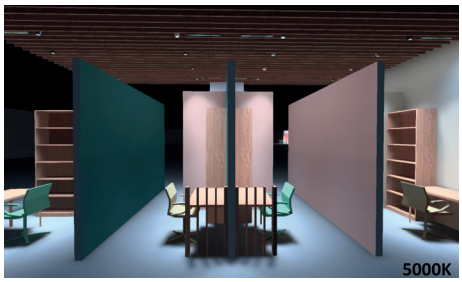
CCT Control with Switch / Switch ile Renk Ayarı

We are optionally able to control CCT of the Zero Recessed range with switch available on the LED Driver with 3000K, 4000K and 5000K light output from same downlight.

Zero Ankastre armatür serisinde ışık rengi LED trafonun üzerinde bulunan buton sayesinde 3000K, 4000K ve 5000K olarak ayarlanabilmektedir.



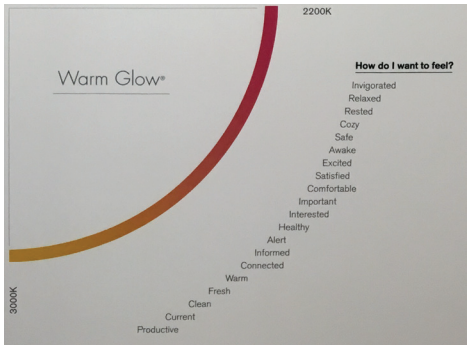


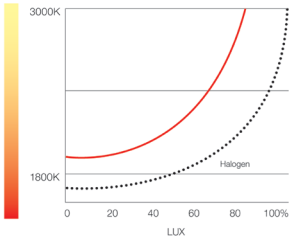


Warm Dimming / Sıcak Dim

Warm dimming enables halogen functionality in LED technology. Avolux integrates warm dim COBs with its ZERO range. When luminous intensity drops to 5%, colour temperature changes from 3000K to 1800K. This technology could be widely preffered especially at hospitality areas creating different athmospheres. Cafe, cinema, hotels etc are the main areas that this system could be used.

Sıcak dim teknolojisi ile halojen ampüllerdeki fonksiyonellik LED teknolojisinde de uygulanmaya başlamıştır. Avolux ZERO serisini bu teknoloji ile birleştirdi. Armatür %100'den %5'e doğru ışığını kıstıkça, ışık Kelvin çıkışı 3000K'den 1800K'e doğru düşürerek mekanlara farklı bir atmosfer kazandırılabilmektedir. Bu sistem özellikle otel, sinema, kafe vb alanlarda yaygın olarak kullanılabilir.





Zero

CRI

Avolux offers both CRI>80, CRI>90 and CRI>98 colour rendering index options in its ZERO recessed spotlight range.

Avolux ZERO ankastre serisi armatürlerinde CRI>80, CRI>90 ve CRI>98 renk seçeneklerini sağlayabilmektedir.

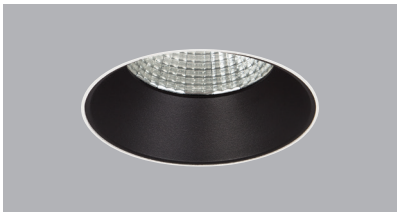
DIM Options / DIM seçenekleri

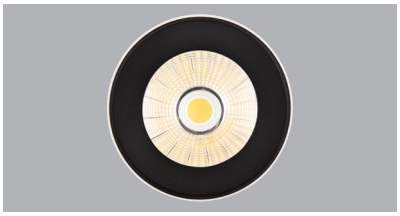
		Zero Maxi	Zero Midi	Zero Mini
ON-OFF		•	•	•
PHASE CUT DIM / FAZ DİM	Ext.Code / Kod: .PH	•	•	•
1-10V DIM	Ext.Code / Kod: .VO	•	•	•
DALI DIM	Ext.Code / Kod: .DA	•	•	•
WIRELESS DIM / KABLOSUZ DİM	Ext.Code / Kod: .WD	•	•	•
WARM DIM / SICAK DİM	Ext.Code / Kod: .WM	•	•	•
TUNABLE WHITE / DİNAMİK BEYAZ	Ext.Code / Kod: .TW	•	•	•

Accessories / Aksesuarlar

		Zero Maxi	Zero Midi	Zero Mini
Colour Filter / Renkli Filtre	Ext.Code / Kod: .CLF	•	•	•
Antiglare Screen / Kamaşma Önleyici	Ext.Code / Kod: .VKO			
Visor / Işık Siperi	Ext.Code / Kod: .VIS			
Honeycomb Filter / Petekli Filtre	Ext.Code / Kod: .VBP	•	•	•
Barn Door / Yönlendirici Flap	Ext.Code / Kod: .VFL			

Zero Maxi



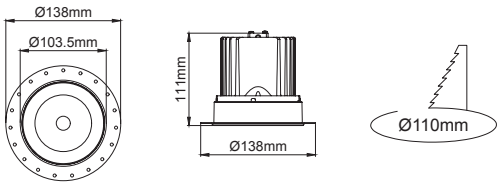


LED A A+ A++ 0° 0° SASO CB LVD CE EAC F IP 44 kg 0.9 CRI 80 CRI 90 CRI 98

5 / Product Color / Ürün Renk

WHITE = 01 | Ral 9010 = 02 | BLACK = 03 | GRAY = 04 | DARK GRAY = 05 | SPECIAL COLOR = 06

Technical Drawing / Teknik Çizim



Zero Maxi / I01.MLR.14046

* Code example / Kod örneği:

I01.MLR.14046 . 28 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

Power / Güç	CRI	Order Code / Sipariş Kodu	Kelvin	Lümen Tc=50° Lümen
28W	CRI>80	I01.MLR.14046 . (..) . (...) . (..) . (..)	2700K	3147
			3000K	3286
			3500K	3324
			4000K	3452
			5000K	3690
	CRI>90	I01.MLR.14046 . (..) . (...) . (..) . (..)	2700K	2547
			3000K	2812
			3500K	2889
			4000K	2920
			5000K	X
	CRI>98	I01.MLR.14046 . (..) . (...) . (..) . (..)	2700K	2390
			3000K	2464
			4000K	2563
	Meat / Et COB	I01.MLR.14046 . (..) . (...) . (..) . (..)	1800K	1940
	Food / Gıda COB	I01.MLR.14046 . (..) . (...) . (..) . (..)	2400K	2002
	FISH / Balık COB	I01.MLR.14046 . (..) . (...) . (..) . (..)	6600K	2529

(..) / Complete Code / Komple Kod

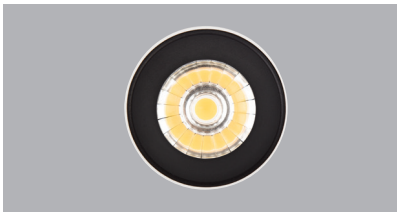
2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin		
28	28W - 700mA	827	CRI>80 - 2700K	9827	CRI>98 - 2700K
24	24W - 600mA	830	CRI>80 - 3000K	9830	CRI>98 - 3000K
20	20W - 500mA	835	CRI>80 - 3500K	9840	CRI>98 -4000K
15	15W - 350mA	840	CRI>80 - 4000K	MEAT	1800K
		850	CRI>80 - 5000K	GOLD	2400K
		927	CRI>90 - 2700K	FISH	6600K
		930	CRI>90 - 3000K		
		935	CRI>90 - 3500K		
		940	CRI>90 - 4000K		

4	Reflector Angle / Reflektör Açısı
SP	20° - Spot
ME	35° - Medium
FL	45° - Flood

See page 523 for Idt files. / Işık eğrileri için sayfa 523 bakınız.

5	Product Color / Ürün Renk
01	white
02	ral 9010
03	black
04	gray
05	dark gray
06	special color

Zero Midi



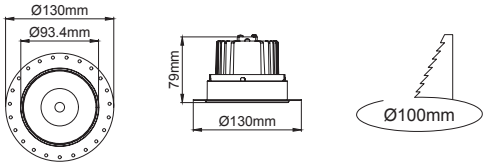
LED A A+ A++ 0° 0° SASO CB LVD CE EAC F IP 44

kg 0.6 CRI 80 CRI 90 CRI 98

5 / Product Color / Ürün Renk

WHITE = 01 | Ral 9010 = 02 | BLACK = 03 | GRAY = 04 | DARK GRAY = 05 | SPECIAL COLOR = 06

Technical Drawing / Teknik Çizim



Zero Midi / I01.MLR.14045

* Code example / Kod örneği:

I01.MLR.14045 . 20 . 827 . ME . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

Power / Güç	CRI	Order Code / Sipariş Kodu	Kelvin	Lümen T_C=50° Lümen
20W	CRI>80	I01.MLR.14045 . (..) . (...) . (..) . (..)	2700K	2432
			3000K	2507
			3500K	2557
			4000K	2609
			5000K	2660
	CRI>90	I01.MLR.14045 . (..) . (...) . (..) . (..)	2700K	2262
			3000K	2332
			3500K	2379
			4000K	2462
			5000K	X
	CRI>98	I01.MLR.14045 . (..) . (...) . (..) . (..)	2700K	1741
			3000K	1796
			4000K	1869
	Meat / Et COB	I01.MLR.14045 . (..) . (...) . (..) . (..)	1800K	X
	Food / Gıda COB	I01.MLR.14045 . (..) . (...) . (..) . (..)	2400K	X
	FISH / Balık COB	I01.MLR.14045 . (..) . (...) . (..) . (..)	6600K	X

(..) / Complete Code / Komple Kod

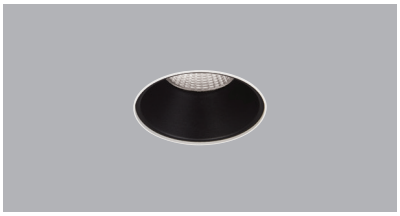
2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin		
20	20W - 500mA	827	CRI>80 - 2700K	9827	CRI>98 - 2700K
15	15W - 350mA	830	CRI>80 - 3000K	9830	CRI>98 - 3000K
10	10W - 250mA	835	CRI>80 - 3500K	9840	CRI>98 -4000K
7	7W - 180mA	840	CRI>80 - 4000K		
		850	CRI>80 - 5000K		
		927	CRI>90 - 2700K		
		930	CRI>90 - 3000K		
		935	CRI>90 - 3500K		
		940	CRI>90 - 4000K		

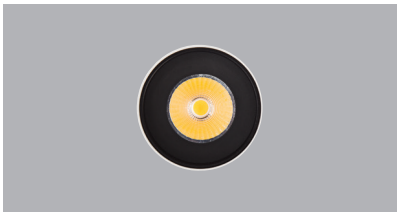
4	Reflector Angle / Reflektör Açısı
SP	23° - Spot
ME	35° - Medium
FL	48° - Flood

See page 525 for Idt files. / Işık eğrileri için sayfa 525 bakınız.

5	Product Color / Ürün Renk
01	white
02	ral 9010
03	black
04	gray
05	dark gray
06	special color

Zero Mini



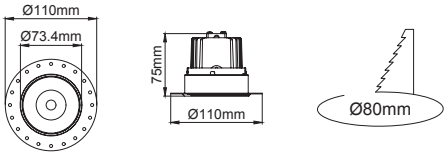


LED A A+ A++ 0° 0° SASO CB LVD CE EAC F IP 44 kg 0.4 CRI 80 CRI 90 CRI 98

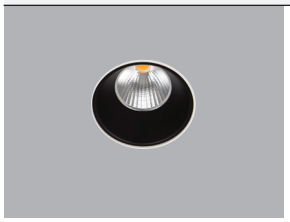
5 / Product Color / Ürün Renk

WHITE = 01 | Ral 9010 = 02 | BLACK = 03 | GRAY = 04 | DARK GRAY = 05 | SPECIAL COLOR = 06

Technical Drawing / Teknik Çizim



Zero Mini / I01.MLR.14044



* Code example / Kod örneği:

I01.MLR.14044 . 15 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

Power / Güç	CRI	Order Code / Sipariş Kodu	Kelvin	Lümen Tc=50° Lümen
15W	CRI>80	I01.MLR.14044 . (..) . (...) . (..) . (..)	2700K	1250
			3000K	1281
			3500K	1326
			4000K	1372
			5000K	1468
	CRI>90	I01.MLR.14044 . (..) . (...) . (..) . (..)	2700K	1125
			3000K	1152
			3500K	1193
			4000K	1234
			5000K	X
	CRI>98	I01.MLR.14044 . (..) . (...) . (..) . (..)	2700K	863
			3000K	895
			4000K	939
	Meat / Et COB	I01.MLR.14044 . (..) . (...) . (..) . (..)	1800K	X
	Food / Gıda COB	I01.MLR.14044 . (..) . (...) . (..) . (..)	2400K	X
	FISH / Balık COB	I01.MLR.14044 . (..) . (...) . (..) . (..)	6600K	X

(..) / Complete Code / Komple Kod

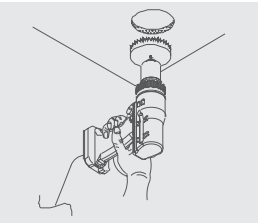
2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin		
15	15W - 350mA	827	CRI>80 - 2700K	9827	CRI>98 - 2700K
10	10W - 250mA	830	CRI>80 - 3000K	9830	CRI>98 - 3000K
7	7W - 180mA	835	CRI>80 - 3500K	9840	CRI>98 -4000K
4	4W - 100mA	840	CRI>80 - 4000K		
		850	CRI>80 - 5000K		
		927	CRI>90 - 2700K		
		930	CRI>90 - 3000K		
		935	CRI>90 - 3500K		
		940	CRI>90 - 4000K		

4	Reflector Angle / Reflektör Açısı
SP	20° - Spot
FL	40° - Flood
WF	60° - Wide Flood

See page 525 for Idt files. / Işık eğrileri için sayfa 525 bakınız.

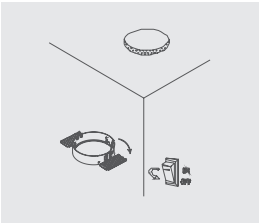
5	Product Color / Ürün Renk
01	white
02	ral 9010
03	black
04	gray
05	dark gray
06	special color

Zero



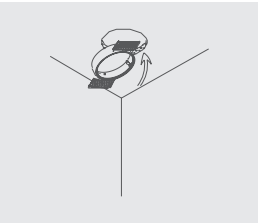
Open the hole on ceiling according to the information given on product datasheet.

Ürün teknik dökümanında yer alan bilgilere göre tavanda deliği açınız.



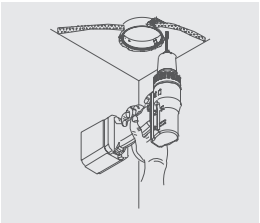
According to the ceiling thickness, adjust the position of the corner plates of the ring.

Tavan alçıpan kalınlığına göre dış montaj kasnağının yan kulaklarının pozisyonunu ayarlayınız.



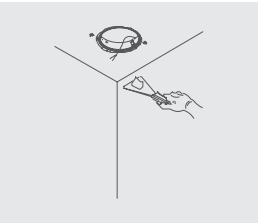
Place the ring into the ceiling.

Dış kasnağı tavana yerleştiriniz.



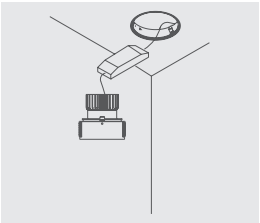
Screw the corner frames and fix it to the ceiling.

Montaj kasağının yan kulaklarını vida ile tavana sabitleyiniz.



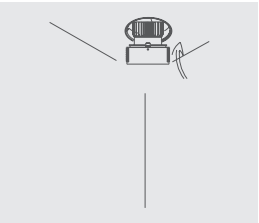
Dissapear the screws by plaster and paint.

Alçı ve boya rötüş işlemi ile vida başlarını kaybediniz.



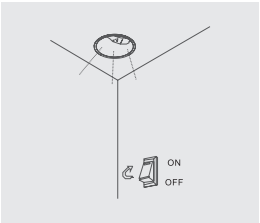
Plug the led driver to mains.

Led trafosunu 220-240V enerji girişine bağlayınız.



Place the main housing to the outer frame with twist and lock mechanism.

Ana gövdeyi dış çembere çevir kilitle sistemi ile sabitleyiniz.



The fixture is ready to use.

Armatür kullanıma hazırdır.

– Inner front ring has different finisihing options.

– Armatürün iç çemberi farklı renk ve kaplama seçeneklerine sahiptir.

Chrome plate / Krom kaplı

Matt chrome plate / Mat krom kaplı

Black painted / Siyah boyalı

White painted / Beyaz boyalı

Copper plated / Bakır kaplamalı