

# CUBUS RECESSED Linea Led





CUBUS RECESSED is an ideal solution for office lighting. Minimalist profile enables this product widely preferred in various spaces. Opal diffuser reduce glare and enables homogen light output. Opal diffuser cover, practical recess accessories, easy screw fastening of concrete recessed housing on formwork panel. Installation depth of the luminaire is 90mm.

2700K, 3000K, 3500K, 4000K and 5000K alternatives available together different power and luminaire size options. 1-10V, DALI and wireless tunable dim selections increases the functionality of the luminaire.

CUBUS RECESSED ofis aydınlatma çözümleri için ideal çözümler sunar. Minimalist gövde kesit yapısı sayesinde mimarlar tarafından sıkça tercih edilmektedir. Armatürün opal diffüzör kapağı kamaşmayı azalttığı gibi aynı zamanda homojen bir ışık çıkışı sağlar. Tavana gömme montaj aparatları sayesinde uygulaması pratiktir. Tavan içi derinliği 90mm'dir.

2700K, 3000K, 3500K, 4000K ve 5000K seçenekleri farklı güç ve boy tercihleri ile uygulanabilir. 1-10V, DALI ve kablosuz renk değiştirme dim seçenekleri armatürün fonksyonelliğini artırır.

# Cubus Recessed

## DIM Options / DIM seçenekleri



	Cubus Recessed	Cubus Recessed	Cubus Recessed
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		

## Wireless DIM / Kablosuz DIM

Avolux offers wireless DIM control on its CUBUS RECESSED linear range that provides easy control and saves time on wiring during installation.

Avolux CUBUS RECESSED serisi armatürlerinde kablosuz DIM seçeneği sunarak kolay kontrol olanağı sunar. Ürün montaj kurulum esnasında daha az kablolama ile zamandan tasarruf sağlar.



## CRI

Avolux offers both CRI>80 and CRI>90 colour rendering index options in its Cubus Recessed linear range.

Avolux Cubus Recessed serisi armatürlerinde CRI>80 ve CRI>90 renk seçeneklerini sağlayabilmektedir.



# Cubus Recessed

## Tunable White / Dinamik Beyaz

AVOLUX can apply Tunable White control to its CUBUS RECESSED linear system. Via smart phone or bluetooth switch, individual control or grouping selections possible. Complex solutions can be easily performed.

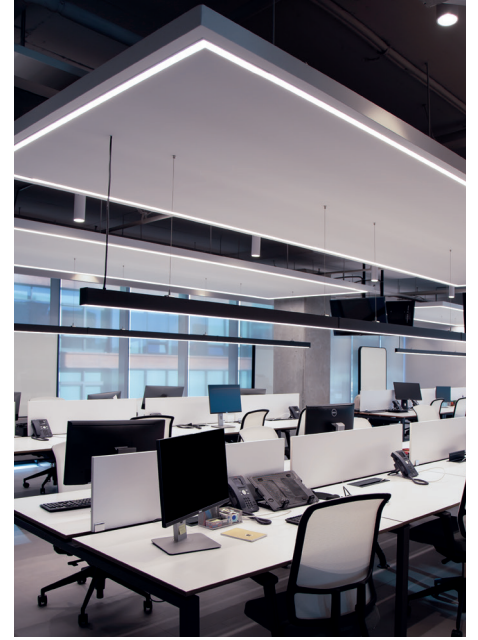
Avolux CUBUS RECESSED serisi armatürlerinde dinamik beyaz ışık kontrolü seçeneği sunmaktadır. Akıllı telefon veya bluetooth anahtarlar ile ışık kontrolü sağlanabilir. Armatürler tek tek veya grup halinde kontrol edilerek yüksek adetli armatür içeren projeler dahil kolaylıkla sisteme adapte edilebilir.



Android & iOS



Xpress

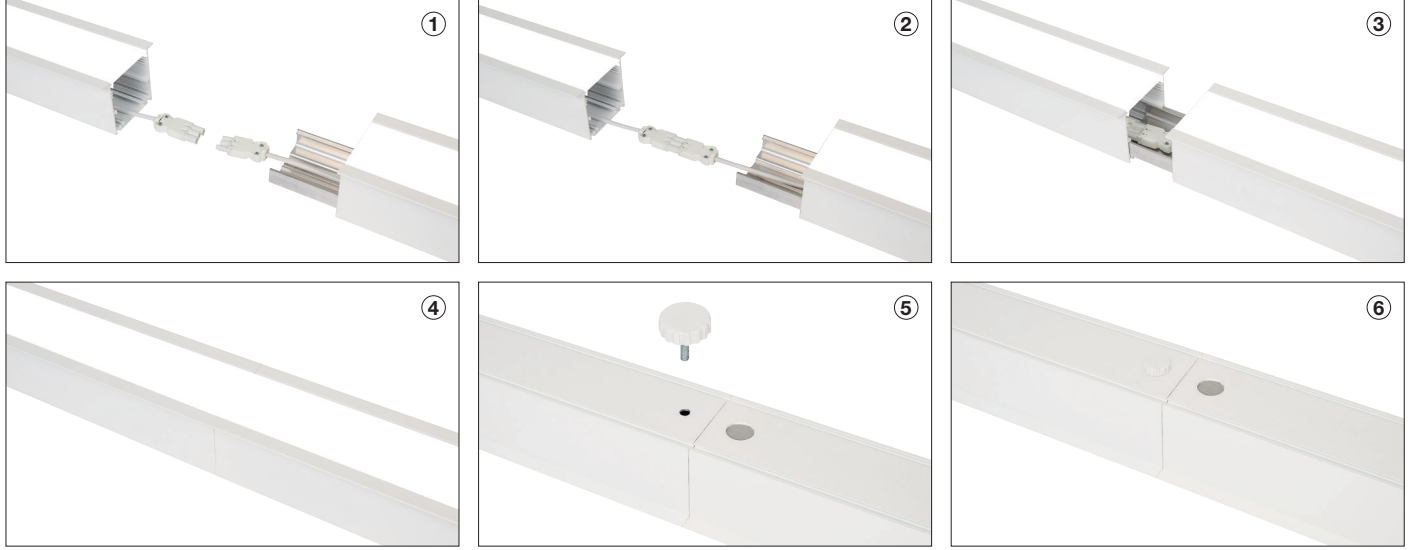


# Cubus Recessed

## Continious Mounting / Kesintisiz Montaj

The wiring of the CUBUS RECESSED enables simple electrical installation that provides flexibility. 1.5mm and 2.5mm cabling options available depends on the lenght of continious installation. Wieland connector is being preferred with options of 3-pole for standard on/off single phase, 5-pole for three phase and dimmable applications. Connection profile mounted at the end of each line provides rigid connection between two profiles.

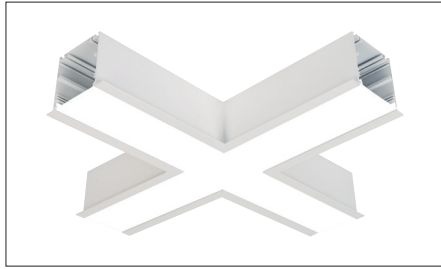
CUBUS RECESSED'in sahip olduđu kablolama sistemi montaj ve uygulama kolaylığı sađlar. 1.5mm ve 2.5mm kablo kesiti seęenekleri ile uzun kesintisiz hatlar oluřturulabilir. Standart aç/kapa tek fazlı seęeneđi için 3'ü, üç fazlı ve dim edebilme özelliđi için 5'li wieland seęenekleri mevcuttur. Her profilin sonunda monteli olan bađlantı profili sayesinde yalpa yapmayan düz hatlar oluřturulur.



## Extra Mounting Accesories / Ekstra Bađlantı Aksesuarları

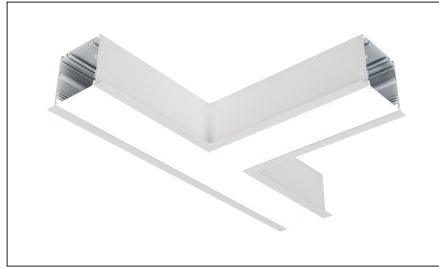
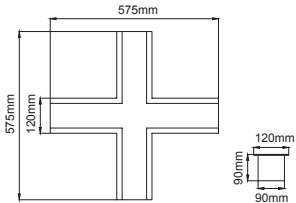
For different linear configurations, accessories with special connectors of X, T and L available with connection profile elements that gives flexibility to create different linear shapes.

Farklı lineer hat konfigürasyonları için, X, T ve L řeklinde bađlantı profili seęenekleri mevcuttur. Bu aksesuarlar farklı řekildeki uygulamalar için esneklik sađlar.



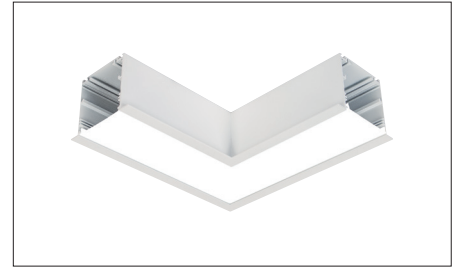
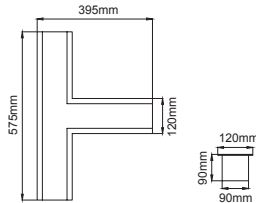
Plus connection profile that enables linear line connection in four directions.

Artı bađlantı profili kesintisiz lineer hat uygulamalarında dört yöne bađlantı sađlar.



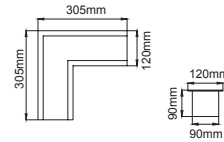
T connection profile that enables linear line connection in three directions.

T bađlantı profili kesintisiz lineer hat uygulamalarında üç yöne bađlantı sađlar.



L connection profile that enables linear line connection in two directions.

L bađlantı profili kesintisiz lineer hat uygulamalarında iki yöne bađlantı sađlar.





# Cubus Recessed



\* Code example / Kod örneği:

102.LL.19170.1164.034.830.01

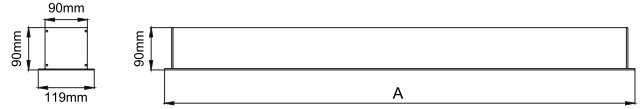
- 1- Product code / Armatür kodu
- 2- Length / Uzunluk
- 3- Power / Güç
- 4- CRI / Kelvin
- 5- Colour / Ürün renk
- 6- Control type / Kontrol tipi



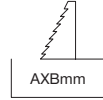
## 5 / Product Color / Ürün Renk



## Technical Drawing / Teknik Çizim



## Beam Angle / Işık Açısı














Product Data / Armatür Data	
Item No / Ürün Kod	102.LL.19170.1164.034.830.01
Family Name / Aile Adı	Cubus
Material / Malzeme	Aluminium Profile / Alüminyum Profil
Form / Biçim	Linear / Lineer
Profile Width / Profil Geniřlięi	119mm
Profile Height / Profil Yükseklięi	90mm
Installation Type / Kurulum Türü	Recessed / Ankastr
Efficiency / Verimlilik	>82lm/W
CRI	80
Light Distribution / Işık Dağılımı	Symmetric Wide Flood / Simetrik Geniş Açılı
Protection Rating / Koruma Sınıfı	20
Lifetime / Armatür Ömrü	L70 / B50 50000 h
Optic / Optik	Opal Diffuser / Opal Pleksi
Alternative Diffuser UGR<19	Microprismatic / Mikroprizmatik

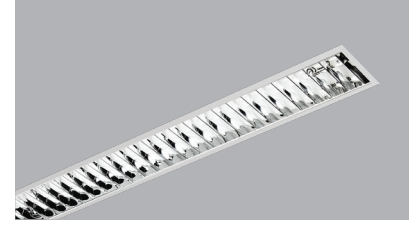
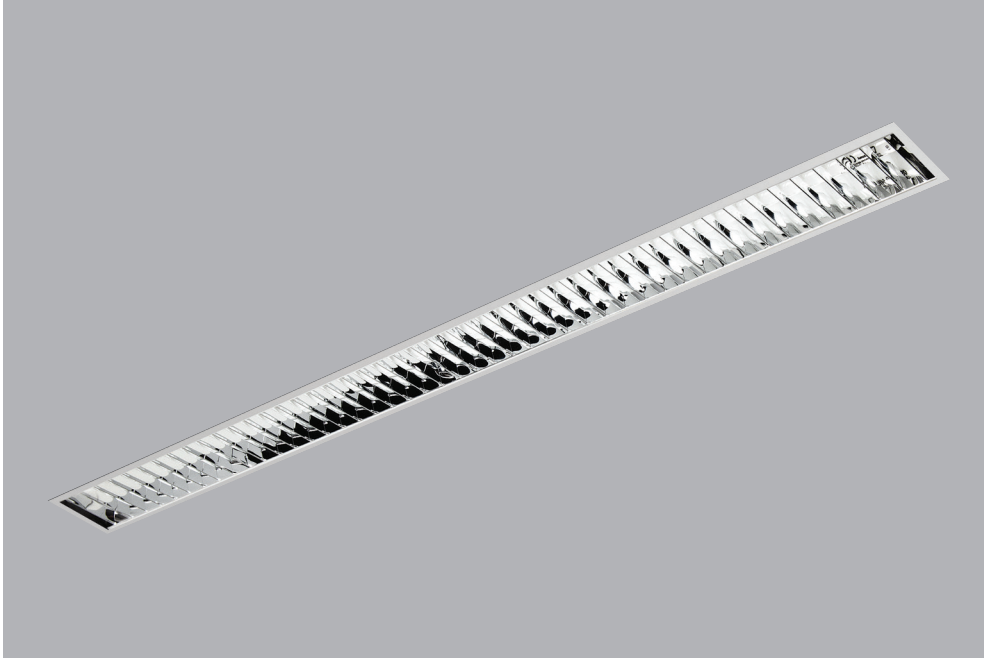
# Cubus Recessed

## Cubus Recessed / 102.LL.19170

Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	20W 250mA lm	27W 350mA lm
884mm	CRI>80	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	1495	2008
			3000K	1543	2072
			3500K	1567	2104
			4000K	1627	2185
			5000K	1651	2217
	CRI>90	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	1256	1686
			3000K	1292	1734
			3500K	1316	1766
			4000K	1363	1831
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	24W 250mA lm	34W 350mA lm
1164mm	CRI>80	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	1818	2555
			3000K	1876	2637
			3500K	1905	2677
			4000K	1978	2780
			5000K	2007	2801
	CRI>90	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	1547	2146
			3000K	1570	2207
			3500K	1600	2248
			4000K	1658	1831
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	30W 250mA lm	43W 350mA lm
1444mm	CRI>80	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	2321	3293
			3000K	2396	3398
			3500K	2433	3450
			4000K	2526	3583
			5000K	2563	3635
	CRI>90	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	1950	2765
			3000K	2006	2844
			3500K	2043	2897
			4000K	2117	2330
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	36W 250mA lm	51W 350mA lm
1724mm	CRI>80	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	2845	4018
			3000K	2936	4147
			3500K	2982	4210
			4000K	3096	4372
			5000K	3141	4436
	CRI>90	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	2390	3375
			3000K	2458	3471
			3500K	2504	3535
			4000K	2595	3664
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	42W 250mA lm	59W 350mA lm
2004mm	CRI>80	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	3390	4756
			3000K	3498	4909
			3500K	3552	4983
			4000K	3688	5175
			5000K	3742	5251
	CRI>90	102.LL.19170 . (...) . (...) . (...) . (...)	2700K	2847	3994
			3000K	2929	4108
			3500K	2983	4184
			4000K	3091	4337

2	Lenght / Uzunluk (A)	Cutout Dimension / Kesim Ölçüsü	3	Watt - Driving Current / Watt - Sürüş Akımı	4		5	Product Color / Ürün Renk	
					CRI / Kelvin				
(...) / Complete Code / Komple Kod	884mm	 100x864mm	20W 27W	20W (Direct) - 250mA 27W (Direct) - 350mA	827	CRI>80 - 2700K	927	CRI>90 - 2700K	 01 white
	1164mm	 100x1144mm	24W 34W	24W (Direct) - 250mA 34W (Direct) - 350mA	830	CRI>80 - 3000K	930	CRI>90 - 3000K	 02 ral 9010
	1444mm	 100x1424mm	30W 43W	30W (Direct) - 250mA 43W (Direct) - 350mA	835	CRI>80 - 3500K	935	CRI>90 - 3500K	 03 black
	1724mm	 100x1704mm	36W 51W	36W (Direct) - 250mA 51W (Direct) - 350mA	840	CRI>80 - 4000K	940	CRI>90 - 4000K	 04 gray
	2004mm	 100x1984mm	42W 59W	42W (Direct) - 250mA 59W (Direct) - 350mA	850	CRI>80 - 5000K			 05 dark gray
									 06 special color

# Cubus Recessed



\* Code example / Kod örneği:

102.LL.19175.1164.034.830.01

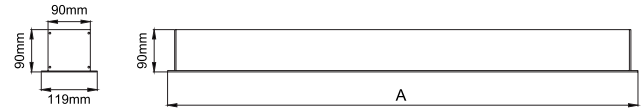
- 1- Product code / Armatür kodu
- 2- Length / Uzunluk
- 3- Power / Güç
- 4- CRI / Kelvin
- 5- Colour / Ürün renk
- 6- Control type / Kontrol tipi



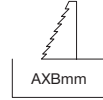
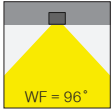
## 5 / Product Color / Ürün Renk



## Technical Drawing / Teknik Çizim



## Beam Angle / Işık Açısı













Product Data / Armatür Data	
Item No / Ürün Kod	102.LL.19175.1164.034.830.01
Family Name / Aile Adı	Cubus Recessed
Material / Malzeme	Aluminium Profile / Alüminyum Profil
Form / Biçim	Linear / Lineer
Profile Width / Profil Geniřlięi	119mm
Profile Height / Profil Yükseklięi	90mm
Installation Type / Kurulum Türü	Recessed / Ankastr
Efficiency / Verimlilik	>106lm/W
CRI	80
Light Distribution / Işık Dağılımı	Symmetric Wide Flood / Simetrik Geniş Açılı
Protection Rating / Koruma Sınıfı	20
Lifetime / Armatür Ömrü	L70 / B50 50000 h
Optic / Optik	Double Parabolic Aluminium Reflector / Çift Parabolik Alüminyum Reflektör

# Cubus Recessed

## Cubus Recessed / 102.LL.19175

Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	20W 250mA lm	27W 350mA lm
884mm	CRI>80	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	1944	2611
			3000K	2007	2693
			3500K	2038	2737
			4000K	2116	2842
			5000K	2147	2883
	CRI>90	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	1633	2193
			3000K	1680	2256
			3500K	1711	2298
			4000K	1773	2382
			4000K	1773	2382
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	24W 250mA lm	34W 350mA lm
1164mm	CRI>80	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	2365	3323
			3000K	2440	3430
			3500K	2478	3483
			4000K	2573	3616
			5000K	2610	3669
	CRI>90	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	1986	2791
			3000K	2042	2871
			3500K	2081	2924
			4000K	2156	3031
			4000K	2156	3031
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	30W 250mA lm	43W 350mA lm
1444mm	CRI>80	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	3019	4283
			3000K	3116	4420
			3500K	3165	4489
			4000K	3286	4660
			5000K	3334	4728
	CRI>90	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	2536	3597
			3000K	2609	3700
			3500K	2657	3768
			4000K	2754	3906
			4000K	2754	3906
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	36W 250mA lm	51W 350mA lm
1724mm	CRI>80	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	3701	5226
			3000K	3819	5394
			3500K	3879	5478
			4000K	4027	5687
			5000K	4086	5770
	CRI>90	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	3109	4389
			3000K	3197	4515
			3500K	3257	4598
			4000K	3375	4767
			4000K	3375	4767
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	42W 250mA lm	59W 350mA lm
2004mm	CRI>80	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	4410	6186
			3000K	4550	6385
			3500K	4620	6483
			4000K	4797	6731
			5000K	4867	6830
	CRI>90	102.LL.19175 . (...) . (...) . (...) . (...)	2700K	3703	5195
			3000K	3810	5344
			3500K	3880	5443
			4000K	4021	5642
			4000K	4021	5642

2	Lenght / Uzunluk (A)	Cutout Dimension / Kesim Ölçüsü	3	Watt - Driving Current / Watt - Sürüş Akımı	4	CRI / Kelvin		5	Product Color / Ürün Renk
	884mm	 100x864mm		20W 27W		20W (Direct) - 250mA 27W (Direct) - 350mA	827		CRI>80 - 2700K
	1164mm	 100x1144mm	24W 34W	24W (Direct) - 250mA 34W (Direct) - 350mA	830	CRI>80 - 3000K	930	CRI>90 - 3000K	 02 ral 9010
	1444mm	 100x1424mm	30W 43W	30W (Direct) - 250mA 43W (Direct) - 350mA	835	CRI>80 - 3500K	935	CRI>90 - 3500K	 03 black
	1724mm	 100x1704mm	36W 51W	36W (Direct) - 250mA 51W (Direct) - 350mA	840	CRI>80 - 4000K	940	CRI>90 - 4000K	 04 gray
	2004mm	 100x1984mm	42W 59W	42W (Direct) - 250mA 59W (Direct) - 350mA	850	CRI>80 - 5000K			 05 dark gray  06 special color

# Cubus Recessed



\* Code example / Kod örneği:

102.LL.19177.1342.034.830.01

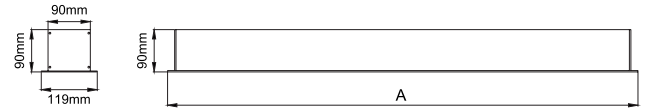
- 1- Product code / Armatür kodu
- 2- Length / Uzunluk
- 3- Power / Güç
- 4- CRI / Kelvin
- 5- Colour / Ürün renk
- 6- Control type / Kontrol tipi



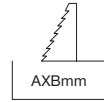
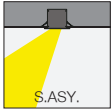
## 5 / Product Color / Ürün Renk



## Technical Drawing / Teknik Çizim



## Beam Angle / Işık Açısı



Product Data / Armatür Data	
Item No / Ürün Kod	102.LL.19177.1342.034.830.01
Family Name / Aile Adı	Cubus Recessed
Material / Malzeme	Aluminium Profile / Alüminyum Profil
Form / Biçim	Linear / Lineer
Profile Width / Profil Geniřlięi	119mm
Profile Height / Profil Yükseklięi	90mm
Installation Type / Kurulum Türü	Recessed / Ankastr
Efficiency / Verimlilik	>128lm/W
CRI	80
Light Distribution / Işık Dağılımı	Single Asymmetric Wallwasher / Tek Asimetrik Wallwasher
Protection Rating / Koruma Sınıfı	20
Lifetime / Armatür Ömrü	L70 / B50 50000 h

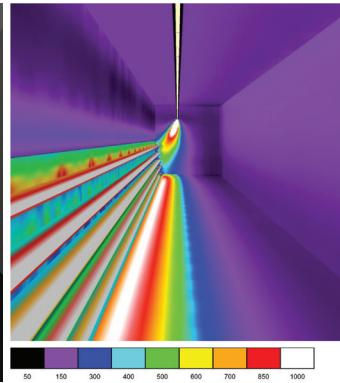
# Cubus Recessed

## Cubus Recessed / 102.LL.19177

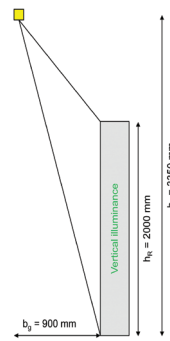
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	11.5W 200mA lm	17W 300mA lm
534mm	CRI>80	102.LL.19177 . (...) . (...) . (...) . (...)	2700K	1418	2090
			3000K	1463	2157
			3500K	1486	2190
			4000K	1543	2274
			5000K	1565	2307
	CRI>90	102.LL.19177 . (...) . (...) . (...) . (...)	2700K	1191	1755
			3000K	1225	1806
			3500K	1248	1839
			4000K	1293	1906
			4000K	1293	1906
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	23W 200mA lm	34W 300mA lm
1034mm	CRI>80	102.LL.19177 . (...) . (...) . (...) . (...)	2700K	2885	4219
			3000K	2977	4354
			3500K	3023	4421
			4000K	3139	4590
			5000K	3185	4657
	CRI>90	102.LL.19177 . (...) . (...) . (...) . (...)	2700K	2423	3543
			3000K	2492	3645
			3500K	2539	3721
			4000K	2631	3847
			4000K	2631	3847

2	Lenght / Uzunluk (A)	Cutout Dimension / Kesim Ölçüsü	3	Watt - Driving Current / Watt - Sürüş Akımı	4		5	Product Color / Ürün Renk		
					CRI / Kelvin					
...	534mm	106x510mm	11.5W 17W	0W (Direct) - 200mA 0W (Direct) - 300mA	827	CRI>80 - 2700K	927	CRI>90 - 2700K	01	white
	1034mm	106x1010mm			830	CRI>80 - 3000K	930	CRI>90 - 3000K	02	ral 9010
					835	CRI>80 - 3500K	935	CRI>90 - 3500K	03	black
					840	CRI>80 - 4000K	940	CRI>90 - 4000K	04	gray
					850	CRI>80 - 5000K			05	dark gray
									06	special color

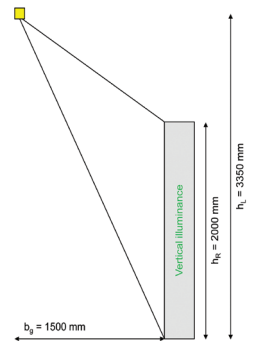
## Half Batwing / Tek Asimetrik



6. „half“ Batwing: 1 x 20° - Szenario



5. „half“ Batwing 1 x 30° - Szenario



Above is an example of market shelf display. Store height is 4mt and shelf height is 2mt. Fixture positioned 90cm distance from the rack due to narrow corridor structure of the building. 1x20° half batwing reflector enables avg. 600lux on the shelf whereas less than half to floor that creates visual comfort on sales area with low UGR index and products on the shelf can be visually better displayed.

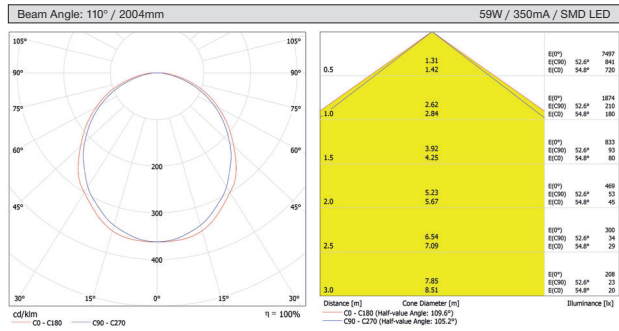
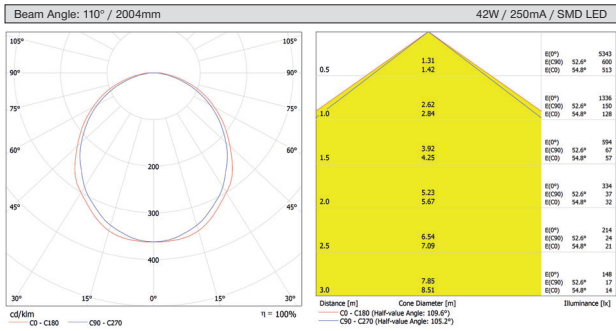
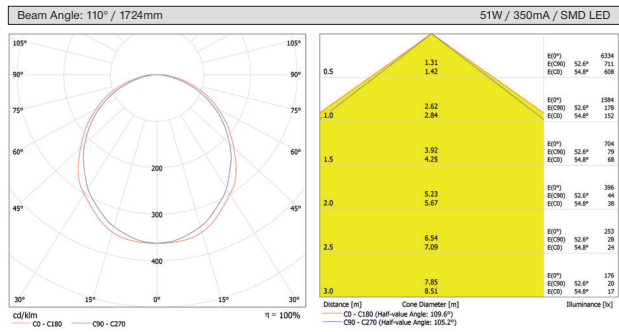
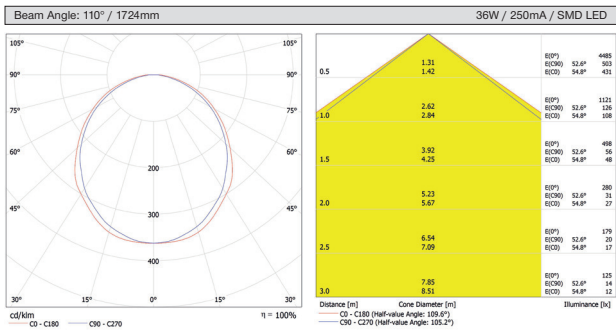
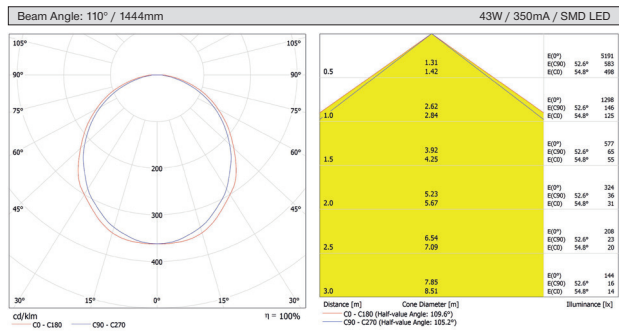
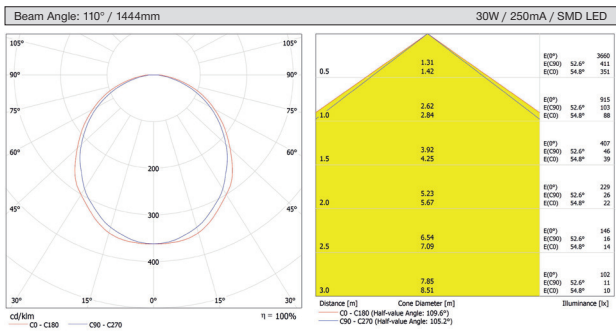
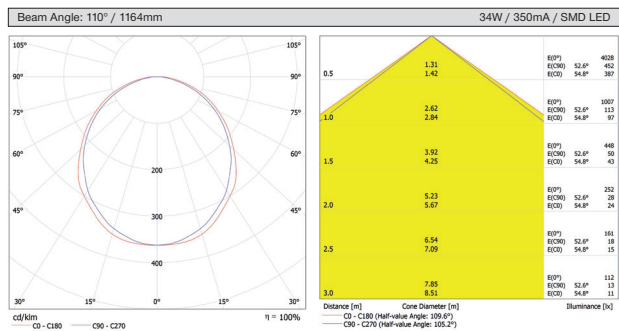
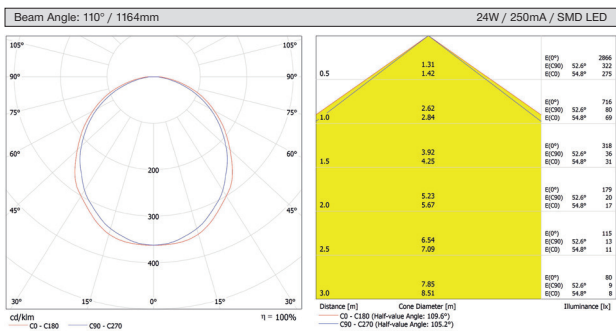
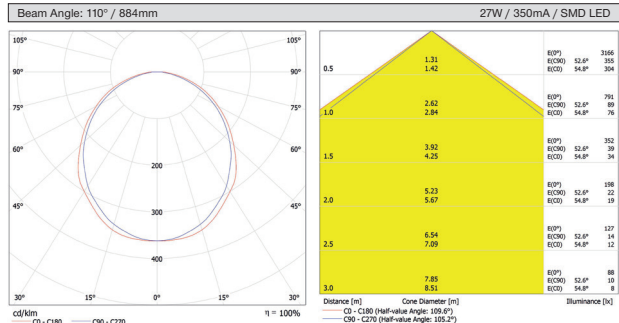
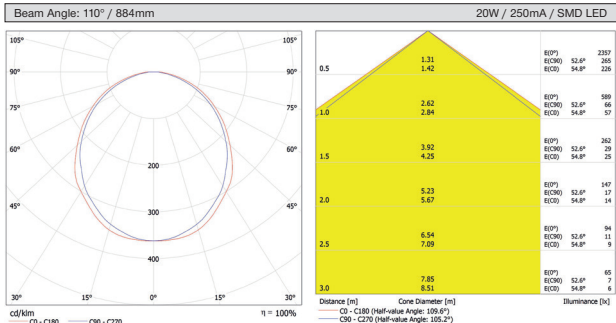
Yukarıda örnek market reyon aydınlatma dizaynını bulabilirsiniz. Mağaza yüksekliği 4mt, reyon yüksekliği ise 2mt. Armatür dar koridor aralıklarından dolayı reyona 90cm mesafe ile yerleştirilerek 1x20° tek asimetrik reflektör ile aydınlatılmıştır. Reyon üzerinde ortalama 600lux elde edilirken koridorda bu değer yarısından az bir değer alınarak hem düşük kamaşma indexi ile görsel konfor ve aynı zamanda sergilenen reyon ürünlerin ön plana çıkması sağlanmıştır.

# LDT Files / LDT Dataları

Linea Led Series / Linea Led Serisi



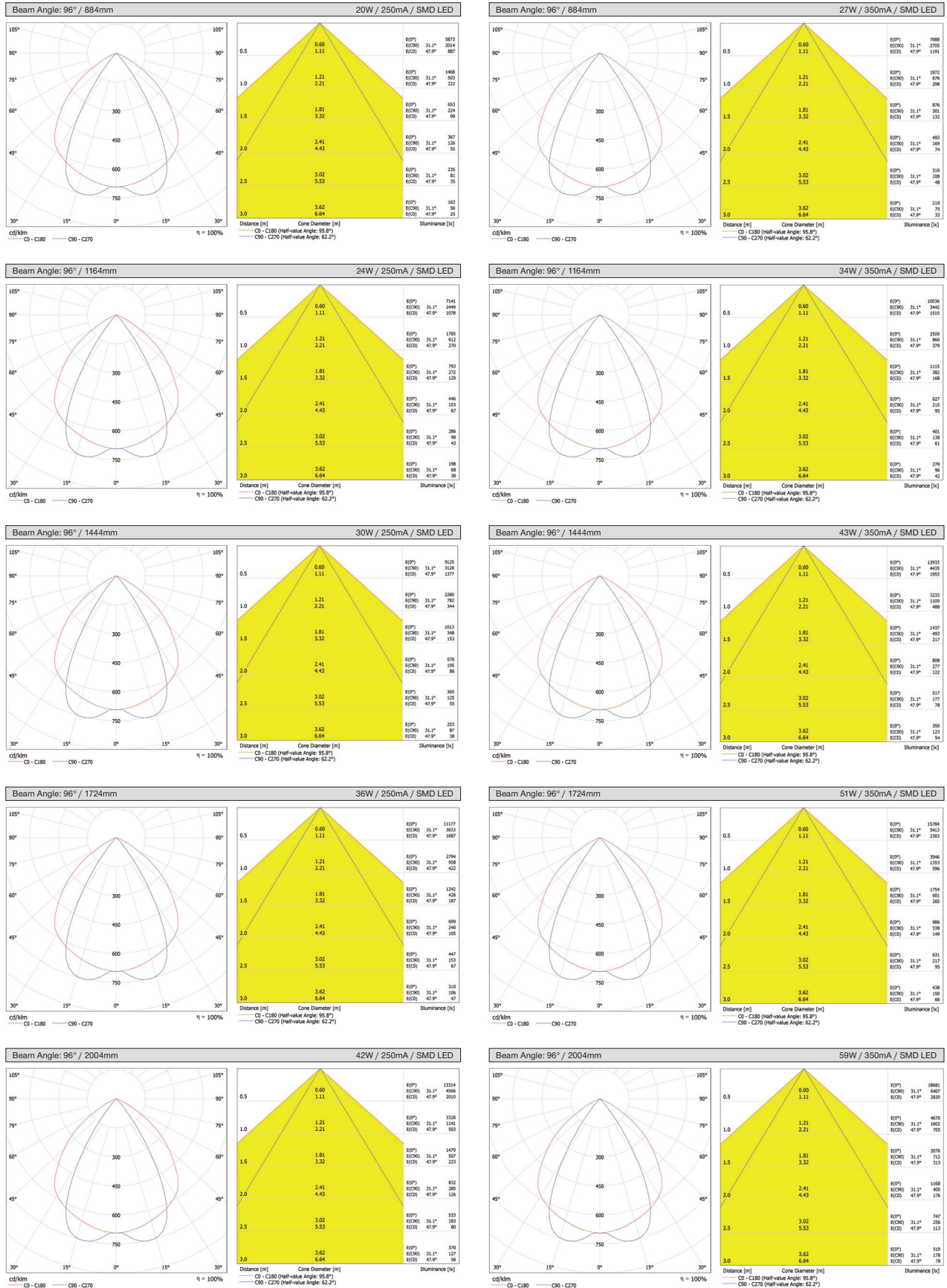
102.LL.19170



# LDT Files / LDT Dataları

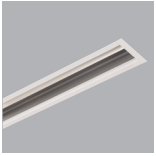


102.LL.19175



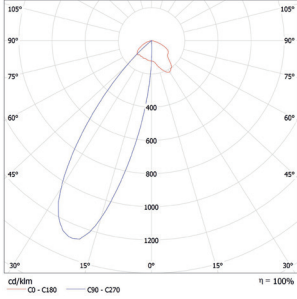
Linea Led Series / Linea Led Serisi

# LDT Files / LDT Dataları

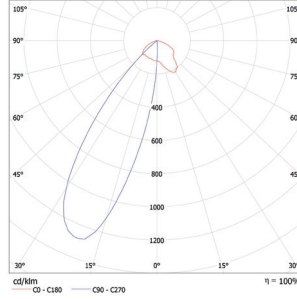


102.LL.19177

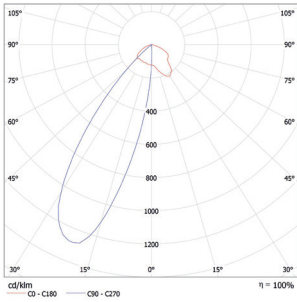
Beam Angle: Single Asymmetric / 534mm 11.5W / 200mA / SMD LED



Beam Angle: Single Asymmetric / 534mm 17W / 300mA / SMD LED



Beam Angle: Single Asymmetric / 1034mm 23W / 200mA / SMD LED



Beam Angle: Single Asymmetric / 1034mm 34W / 300mA / SMD LED

