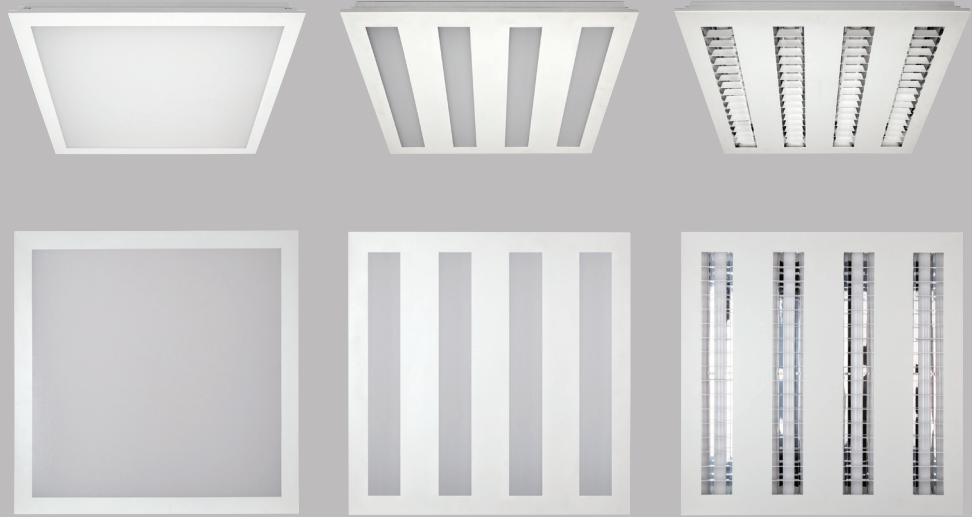


KARO Linea Led





KARO designed for illuminating various work areas like offices, hospitals, clinics, schools, governmental buildings etc. Can be easily mounted to suspended ceilings with visible T-bars, false ceilings and clip-in ceiling systems.

Microprism louvre in acrylic (PMMA), white painted metal louvre and aluminium louver options available. SMD board technology inside this range designed to maximize the efficiency and homogeneity of the light output.

KARO ofis, okul, hastane, klinik, kamu binaları gibi birçok farklı projede tercih edilebilir. T-Profil tavanlara, alçıpan tavanlara ve clip-in tavan sistemlerine kolayca uygulanabilir.

Mikroprizmatik akrilik (PMMA) diffüzör, beyaz boyalı metal petekli reflektör ve alüminyum reflektör seçenekleri mevcuttur. Armatür içerisine uygulanan SMD Led teknolojisi hem maksimum verimlilik hem de mükemmel homojenliğe sahip görsel konfor sağlamak için tasarlanmıştır.

DIM Options / DIM seçenekleri

						
		Karo	Karo	Karo	Karo	Karo
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	•	•	•	•	•



Karo	Karo	Karo	Karo	Karo
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

Tunable White / Dinamik Beyaz

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

Avolux KARO 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



Wireless DIM / Kablosuz DIM

Avolux offers wireless DIM control on its KARO panel range that provides easy control and saves time on wiring during installation.

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





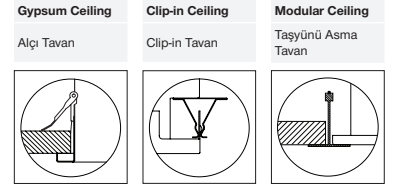
* Code example / Kod örneği:

I02.LL.19720 . 042 . 830 . 01 . V1

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



4 / Product Color / Ürün Renk



Beam Angle / Işık Açısı



Product Data / Armatür Data	
Item No / Ürün Kod	I02.LL.19720.042.830.01.V1
Family Name / Aile Adı	Karo
Material / Malzeme	DKP Metal / DKP Sac
Form / Biçim	Square / Kare
Size / Ölçü	595x595mm
Height / Yükseklik	55mm
Efficiency / Verimlilik	>115lm/W
CRI	80
Light Distribution / Işık Dağılımı	Symmetric Wide Flood / Simetrik Geniş Açılı
Protection Rating / Koruma Sınıfı	40
Lifetime / Armatür Ömrü	L70 / B50 50000 h
Optic / Optik	Opal Diffuser / Opal Pleksi
Alternative Diffuser UGR<19	Microprismatic / Mikroprizmatik

Karo / I02.LL.19720

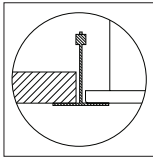
Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	42W 1050mA lm
595x595mm	CRI>80	I02.LL.19720 . (...) . (...) . (...) . (...)	2700K	4440
			3000K	4582
			3500K	4653
			4000K	4831
			5000K	4902
	CRI>90	I02.LL.19720 . (...) . (...) . (...) . (...)	2700K	3730
			3000K	3836
			3500K	3907
			4000K	4049

Lenght / Uzunluk (A)	2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin	4	Product Color / Ürün Renk
595x595mm	42W	42W (Direct) - 1050mA	827	CRI>80 - 2700K	927	CRI>90 - 2700K
			830	CRI>80 - 3000K	930	CRI>90 - 3000K
			835	CRI>80 - 3500K	935	CRI>90 - 3500K
			840	CRI>80 - 4000K	940	CRI>90 - 4000K
			850	CRI>80 - 5000K		
					01	white
					02	ral 9010
					03	black
					04	gray
					05	dark gray
					06	special color

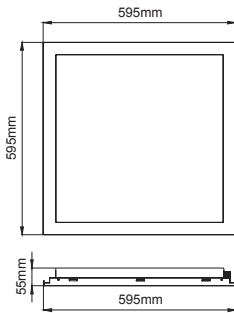
5- Modular Ceiling / Taşyünü Asma Tavan



Ordering Code : I02.LL.19720.V1



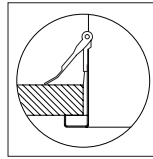
Product Technical Drawing / Ürün Teknik Çizimi



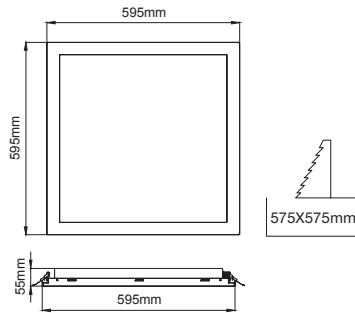
5- Gypsum Ceiling / Alçı Tavan



Ordering Code : I02.LL.19720.V2



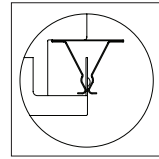
Product Technical Drawing / Ürün Teknik Çizimi



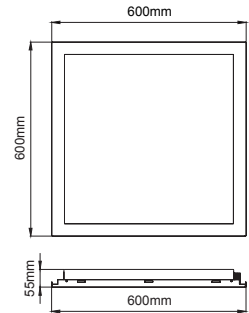
5- Clip-in Ceiling / Clipin Tavan



Ordering Code : I02.LL.19720.V3



Product Technical Drawing / Ürün Teknik Çizimi



102.LL.19725. 042 . 830 . 01 . V1

1 2 3 4 5

- | Lenght / Uzunluk (A) | CRI | Order Code / Sipariş Kodu | Kelvin | 42W 1050mA Im |
|----------------------|--------|--|--------|---------------|
| 595x595mm | CRI>80 | 102.LL.19725.(...).(...). (...).(...) | 2700K | 2775 |
| | | | 3000K | 2863 |
| | | | 3500K | 2908 |
| | | | 4000K | 3019 |
| | | | 5000K | 3063 |
| | CRI>90 | 102.LL.19725.(...).(...). (...).(...) | 2700K | 2330 |
| | | | 3000K | 2397 |
| | | | 3500K | 2442 |
| | | | 4000K | 2530 |

102.LL.19726 . 030 . 830 . 01 . V1

1 2 3 4 5

- | Lenght / Uzunluk (A) | CRI | Order Code / Sipariş Kodu | Kelvin | 30W 700mA 1m |
|----------------------|--------|---|--------|--------------|
| 595x595mm | CRI>80 | 102.LL.19726.(...).(...).(...).(...) | 2700K | 1922 |
| | | | 3000K | 1983 |
| | | | 3500K | 2014 |
| | | | 4000K | 2091 |
| | | | 5000K | 2121 |
| | CRI>90 | 102.LL.19726.(...).(...).(...).(...) | 2700K | 1614 |
| | | | 3000K | 1660 |
| | | | 3500K | 1691 |
| | | | 4000K | 1752 |

102.LL.19727. 020 . 830 . 01 . V1

1 2 3 4 5

- | Lenght / Uzunluk (A) | CRI | Order Code / Sipariş Kodu | Kelvin | 20W 500mA 1m |
|----------------------|--------|---|--------|--------------|
| 595x595mm | CRI>80 | 102.LL.19727.(...).(...).(...).(...) | 2700K | 1258 |
| | | | 3000K | 1298 |
| | | | 3500K | 1318 |
| | | | 4000K | 1369 |
| | | | 5000K | 1389 |
| | CRI>90 | 102.LL.19727.(...).(...).(...).(...) | 2700K | 1057 |
| | | | 3000K | 1087 |
| | | | 3500K | 1107 |
| | | | 4000K | 1147 |

(..) / Complete Code / Komple Kod	Lenght / Uzunluk (A)	2	Watt - Driving Current / Watt - Sürüş Akımı	3				CRI / Kelvin		4	Product Color / Ürün Renk	
	595x595mm	42W	42W (Direct) - 1050mA	827	CRI>80 - 2700K	927	CRI>90 - 2700K		01	white		
	595x595mm	30W	30W (Direct) - 700mA	830	CRI>80 - 3000K	930	CRI>90 - 3000K		02	ral 9010		
	595x595mm	20W	20W (Direct) - 500mA	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		

5- Modular Ceiling / Taşyünü Asma Tavan



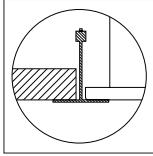
Ordering Code : I02.LL.19725.V1



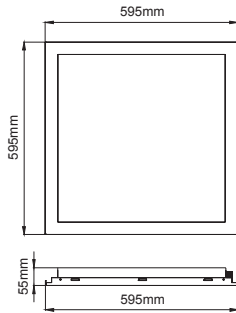
Ordering Code : I02.LL.19726.V1



Ordering Code : I02.LL.19727.V1



Product Technical Drawing / Ürün Teknik Çizimi



5- Gypsum Ceiling / Alçı Tavan



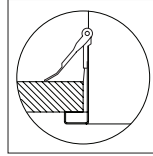
Ordering Code : I02.LL.19725.V2



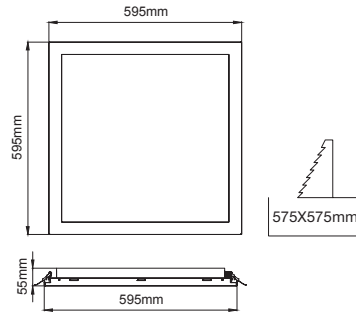
Ordering Code : I02.LL.19726.V2



Ordering Code : I02.LL.19727.V2



Product Technical Drawing / Ürün Teknik Çizimi



5- Clip-in Ceiling / Clipin Tavan



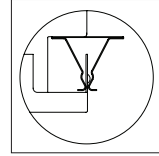
Ordering Code : I02.LL.19725.V3



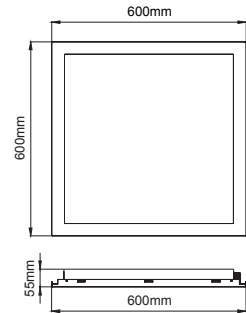
Ordering Code : I02.LL.19726.V3



Ordering Code : I02.LL.19727.V3



Product Technical Drawing / Ürün Teknik Çizimi



Karo / I02.LL.19730



* Code example / Kod örneği:

I02.LL.19730 . 042 . 830 . 01 . V1
1 2 3 4 5

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

Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	42W 1050mA lm
595x595mm	CRI>80	I02.LL.19730 . (...) . (...) . (...) . (...)	2700K	2587
			3000K	2670
			3500K	2711
			4000K	2815
			5000K	2856
	CRI>90	I02.LL.19730 . (...) . (...) . (...) . (...)	2700K	2175
			3000K	2235
			3500K	2277
			4000K	2359

Karo / I02.LL.19731



* Code example / Kod örneği:

I02.LL.19731 . 030 . 830 . 01 . V1
1 2 3 4 5

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

Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	30W 700mA lm
595x595mm	CRI>80	I02.LL.19731 . (...) . (...) . (...) . (...)	2700K	1799
			3000K	1857
			3500K	1886
			4000K	1958
			5000K	1986
	CRI>90	I02.LL.19731 . (...) . (...) . (...) . (...)	2700K	1511
			3000K	1555
			3500K	1583
			4000K	1641

Karo / I02.LL.19732



* Code example / Kod örneği:

I02.LL.19732 . 020 . 830 . 01 . V1
1 2 3 4 5

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

Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	20W 500mA lm
595x595mm	CRI>80	I02.LL.19732 . (...) . (...) . (...) . (...)	2700K	1176
			3000K	1214
			3500K	1233
			4000K	1280
			5000K	1298
	CRI>90	I02.LL.19732 . (...) . (...) . (...) . (...)	2700K	988
			3000K	1016
			3500K	1035
			4000K	1073

(...) / Complete Code / Komple Kod	Lenght / Uzunluk (A)	2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin		4	Product Color / Ürün Renk	
	595x595mm	42W	42W (Direct) - 1050mA	827	CRI>80 - 2700K	927	CRI>90 - 2700K		01 white
	595x595mm	30W	30W (Direct) - 700mA	830	CRI>80 - 3000K	930	CRI>90 - 3000K		02 ral 9010
	595x595mm	20W	20W (Direct) - 500mA	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

5- Modular Ceiling / Taşyünü Asma Tavan



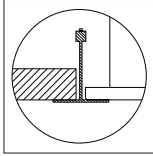
Ordering Code : I02.LL.19730.V1



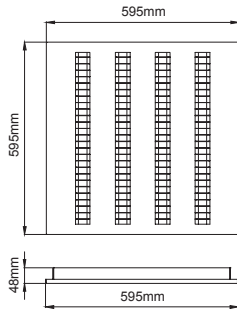
Ordering Code : I02.LL.19731.V1



Ordering Code : I02.LL.19732.V1



Product Technical Drawing / Ürün Teknik Çizimi



5- Gypsum Ceiling / Alçı Tavan



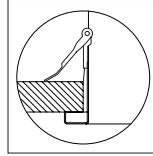
Ordering Code : I02.LL.19730.V2



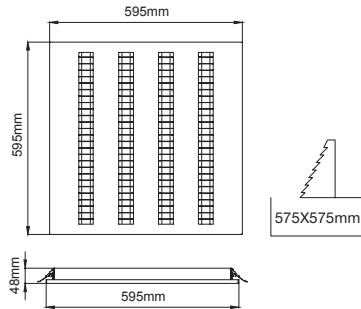
Ordering Code : I02.LL.19731.V2



Ordering Code : I02.LL.19732.V2



Product Technical Drawing / Ürün Teknik Çizimi



5- Clip-in Ceiling / Clipin Tavan



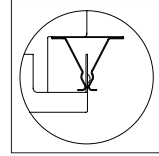
Ordering Code : I02.LL.19730.V3



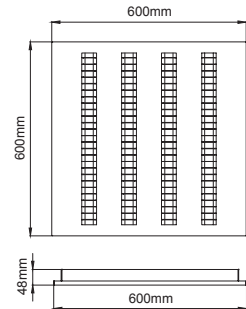
Ordering Code : I02.LL.19731.V3



Ordering Code : I02.LL.19732.V3



Product Technical Drawing / Ürün Teknik Çizimi



Karo / I02.LL.19770



* Code example / Kod örneği:

I02.LL.19770 . 042 . 830 . 01 . V1
1 2 3 4 5

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

Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	42W 1050mA lm
595x595mm	CRI>80	I02.LL.19770 . (...) . (...) . (...) . (...)	2700K	2717
			3000K	2804
			3500K	2847
			4000K	2956
			5000K	2999
	CRI>90	I02.LL.19770 . (...) . (...) . (...) . (...)	2700K	2282
			3000K	2347
			3500K	2391
			4000K	2478

Karo / I02.LL.19771



* Code example / Kod örneği:

I02.LL.19771 . 030 . 830 . 01 . V1
1 2 3 4 5

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

Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	30W 700mA lm
595x595mm	CRI>80	I02.LL.19771 . (...) . (...) . (...) . (...)	2700K	1889
			3000K	1950
			3500K	1980
			4000K	2056
			5000K	2086
	CRI>90	I02.LL.19771 . (...) . (...) . (...) . (...)	2700K	1587
			3000K	1632
			3500K	1663
			4000K	1723

Karo / I02.LL.19772



* Code example / Kod örneği:

I02.LL.19772 . 020 . 830 . 01 . V1
1 2 3 4 5

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

Lenght / Uzunluk (A)	CRI	Order Code / Sipariş Kodu	Kelvin	20W 500mA lm
595x595mm	CRI>80	I02.LL.19772 . (...) . (...) . (...) . (...)	2700K	1235
			3000K	1274
			3500K	1294
			4000K	1344
			5000K	1363
	CRI>90	I02.LL.19772 . (...) . (...) . (...) . (...)	2700K	1037
			3000K	1067
			3500K	1087
			4000K	1126

(...) / Complete Code / Komple Kod	Lenght / Uzunluk (A)	2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin	4	Product Color / Ürün Renk
	595x595mm	42W	42W (Direct) - 1050mA	827	CRI>80 - 2700K	927	CRI>90 - 2700K
	595x595mm	30W	30W (Direct) - 700mA	830	CRI>80 - 3000K	930	CRI>90 - 3000K
	595x595mm	20W	20W (Direct) - 500mA	835	CRI>80 - 3500K	935	CRI>90 - 3500K
				840	CRI>80 - 4000K	940	CRI>90 - 4000K
				850	CRI>80 - 5000K		

5- Modular Ceiling / Taşyünü Asma Tavan



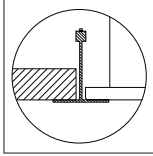
Ordering Code : I02.LL.19770.V1



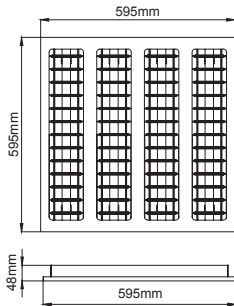
Ordering Code : I02.LL.19771.V1



Ordering Code : I02.LL.19772.V1



Product Technical Drawing / Ürün Teknik Çizimi



5- Gypsum Ceiling / Alçı Tavan



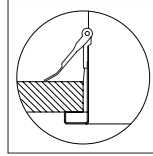
Ordering Code : I02.LL.19770.V2



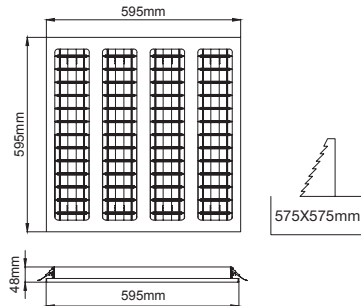
Ordering Code : I02.LL.19771.V2



Ordering Code : I02.LL.19772.V2



Product Technical Drawing / Ürün Teknik Çizimi



5- Clip-in Ceiling / Clipin Tavan



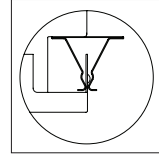
Ordering Code : I02.LL.19770.V3



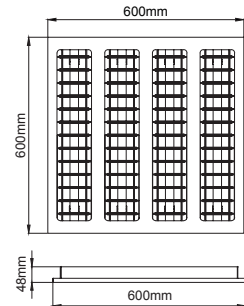
Ordering Code : I02.LL.19771.V3



Ordering Code : I02.LL.19772.V3

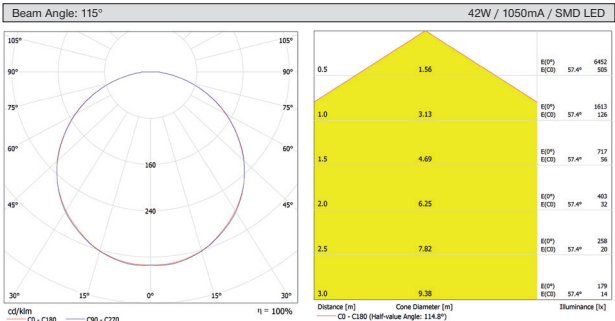


Product Technical Drawing / Ürün Teknik Çizimi

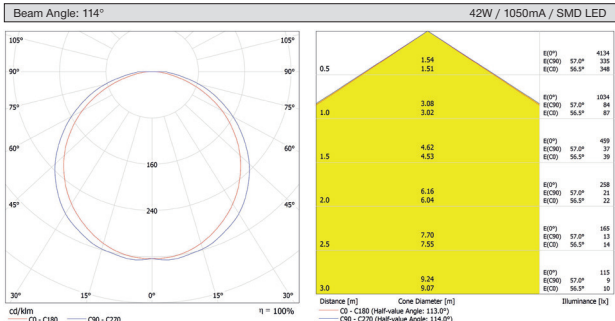




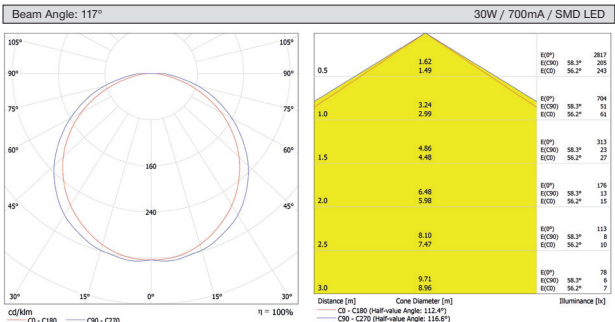
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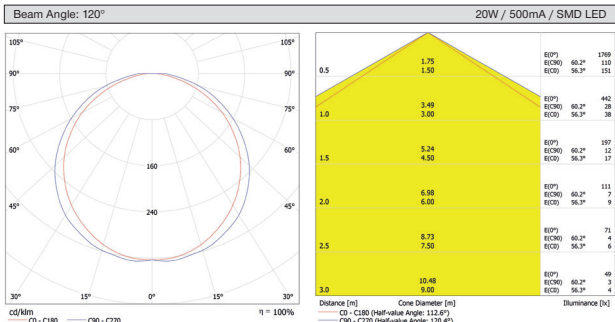
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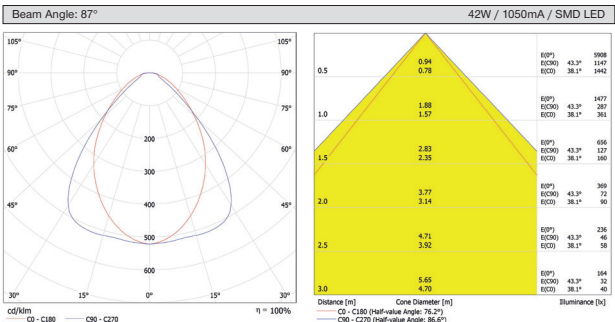
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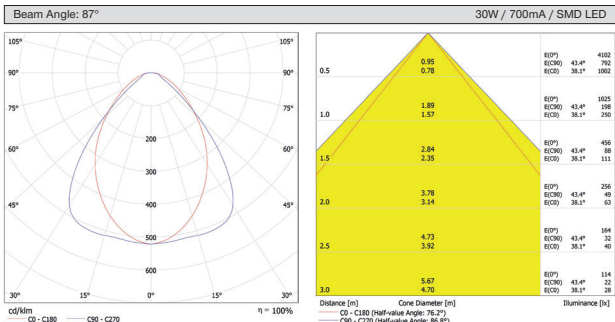
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I02.LL.19730



I02.LL.19731



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