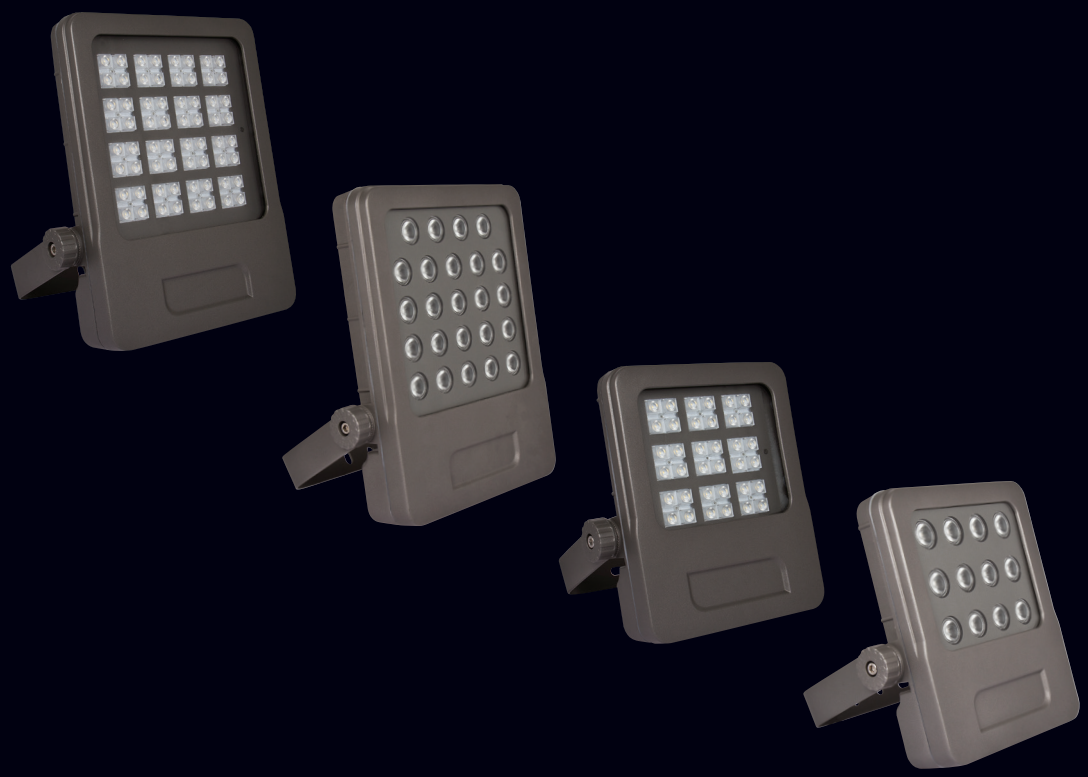


Herkül PR

IP66

IK08

123
lm/W

5
YEARS
WARRANTY

Herkül PR

Herkül Mini PR

Herkül Mini PR

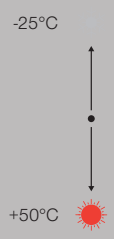
Herkül PR

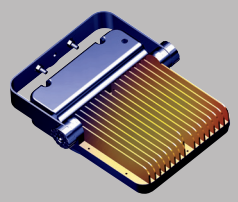
Herkül PR

Operating Conditions / Çalışma Koşulları

Thanks to its clever design heatsinks, our Herkül range can operate at extreme conditions between -25° +50° degree ambient temperature.

Akıllı soğutma tasarımı sayesinde Herkül serisi armatürleri -25° +50° derece aralığına sahip ortam koşullarında çalışabilmektedir.

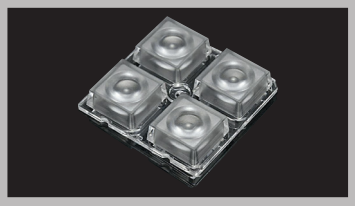




Optics / Optik

High efficient PMMA lens optic compatibe to floodlighting applications.

Yüksek verimli PMMA lens optik projekör aydınlatma uygulamalarına göre tasarlanmıştır.



EN

- Direct lighting luminaire for use with LEDs.
- Housing made from Corrosion resistant die-cast aluminium raw material.
- Installation with bracket on floor, walls and ceiling surfaces.
- Mains voltage: 220-240V / 50-60Hz.
- Clever thermal design with internal cooling pins.
- Spot, medium, flood, wide flood and oval beam angles available.
- Led colour temperatures are optionally 2700K, 3000K, 3500K, 4000K, 5000K and 6500K.
- Suitable for illumination up to 25 meter height.
- Internal silicon gaskets ensure IP protection.
- All external screws are stainless steel.
- Double layer polyester powder paint resistant to corrosion and salt spray fog.
- Up to 123lm/W efficiency.
- High colour consistency: <3 SDCM
- Tunable White and RGBW options available.
- Stainless steel cable gland and mains cable provided with IP68 socket and water stopper in the middle of the cable to avoid vapor enter inside the projector.
- Mechanical aiming lock.
- DALI and 1-10V dimming options available.
- Due to high heatsink capacity, Herkül can operate in high Ta teperature conditions.
- L80 B10 50000hrs and five years warranty.

TR

- Led'li simetrik ışık çıkışlı projektör armatür.
- Hammaddesi korozyona dayanıklı aluminyum enjeksiyon gövde.
- Braketli montaj sistemine sahiptir.
- 220-240V / 50-60Hz enerji girişli.
- İç soğutma pinlerine sahip akıllı soğutma tasarımı.
- Dar, orta, geniş, çok geniş ve oval açı seçenekleri mevcuttur.
- 2700K, 3000K, 3500K, 4000K, 5000K ve 6500K renk sıcaklığı seçenekleri mevcuttur.
- 25 metre yüksekliğe kadar aydınlatma sağlanır.
- Silikon contalar ile IP koruması sorunsuz sağlanır.
- Tüm dış vidalar paslanmazdır.
- Çift katmanlı polyester toz boya sayesinde korozyona ve tuza dayanıklı.
- 123lm/W'a kadar ulaşan verim.
- Yüksek renk uyumu: <3 SDCM
- Dinamik beyaz ve RGBW seçenekleri mevcuttur.
- Armatürde paslanmaz kablo rekoru kullanılmaktadır ve 220V ana şebeke kablosunda IP68 korumalı konnektör bulunmaktadır. Bununla birlikte 220V kablo ucu ve armatür arası su stoperi kullanılarak ürün içi nemlenme ve su buharı oluşumu en aza indirgenmektedir.
- Mekanik kilitleme sistemi.
- DALI ve 1-10V Dim seçenekleri mevcuttur.
- Yüksek soğutma kapasitesi sayesinde Herkül yüksek Ta sıcaklık değerlerine sahip ortamlarda da rahatça çalışır.
- L80 B10 50000 saat ve beş yıl garanti.

Herkül PR

Critical Feature / Kritik Özellik

A- When luminaire is on, it will generate high temperature and create negative pressure and brings vapor inside that would create water droplets on glass and increase percentage of failure. That's why water stopper device is critical to avoid vapor go inside luminaire.

A- Armatür çalıştığında yaratacağı ısı ürünün içine doğru basınç yaratacağından su buharı kablo içinden armatür içine rahatça girebilir ve arıza yüzdesini artırabilir. Bu sebeple 220V kablosunun orta bölümüne ilave olarak su stoper koyularak ürün içinde buharlaşmayı en aza indiriyoruz.

B- Every projector Avolux produces is being supplied by IP67 socket for safe installation and prevent water travel inside luminaire through the cable.

B- Avolux ürettiği tüm projektörlerin yanında güvenli montaj için IP67 soketi temin etmektedir. Bu sayede armatüre kablo içinden su girme ihtimali ortadan kalkmaktadır.

Features / Özellikler

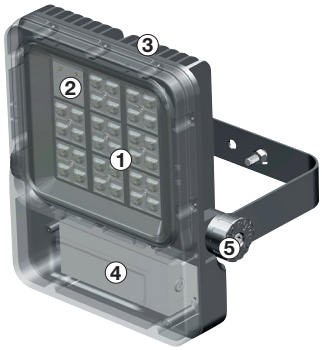
1- High efficient lens optic with spot, medium, wide, wide flood and oval distribution options.
Dar, orta, geniş, çok geniş ve oval ışık dağılımlarına sahip yüksek verimli lens optik.

2- Highest efficiency power led's with 2700K, 3000K, 3500K, 4000K, 5000K and 6500K CCT.
2700K, 3000K, 3500K, 4000K, 5000K ve 6500K renklere sahip yüksek verimli power LED.

3- High capacity cooling fins enable the fitting operate even in high Ta conditions.
Etkili soğutma kapasitesine sahip kanalları sayesinde yüksek ortam sıcaklığına sahip koşullarda dahi armatür sorunsuz çalışır.

4- High quality LED driver that can function both in low and high Ta conditions with five years warranty. On/off, 1-10V and DALI options available.
Çok düşük ve yüksek Ta değerlerinde çalışabilen yüksek kalite LED trafosu. On/off, 1-10V ve DALI seçenekleri bulunmaktadır.

5- 120dg adjustable mounting arm with mechanical lock system.
120dg hareket edebilir mekanik kilitleme sistemine sahip montaj kolu.



Visual Comfort and Safety / Görsel Konfor ve Güvenlik

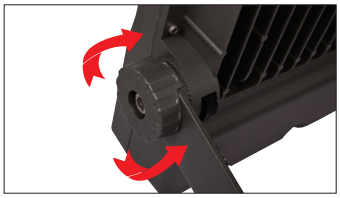
Different accesories like visor, protection grill and honeycomb filter can be integrated to Herkül to increase the visiual comfort, decrease glare and increase safety.

Vizör, koruyucu maske ve bal peteği filtresi gibi aksesuar entegrasyonları sayesinde Herkül serisinin aydınlatma konforu üst düzeye çıkarılır.

Design / Dizayn

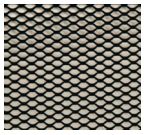
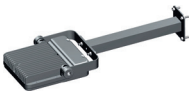
Herkül range has compact and nice shape. Two different size and eight different power options with alternative optical distribution and colour temperatures makes this range very flexible that answers various requirements in outdoor lighting.

Herkül serisi kompakt ve gözalıcı bir tasarıma sahiptir. İki farklı boy ve sekiz farklı güç seçeneği olan bu seride alternatif optik dağılım ve Kelvin seçenekleri ile dış aydınlatmada sayısız farklı talebi karşılar.



Herkül PR

Accessories / Aksesuarlar

	Herkül PR	**Herkül Mini PR**
Visor / Vizör	Code / Kod: O07.VZR.16930	Code / Kod: O07.VZR.16935
Honeycomb Filter / Balpeteği Filtre 	Code / Kod: O07.HC.16930	Code / Kod: O07.HC.16935
Extending Adaptor / Uzatma Adaptörü 	Code / Kod: O07.DRK.16930	Code / Kod: O07.DRK.16935

Herkül PR

Tunable White / Dinamik Beyaz

We can provide dynamic white colour change in our Herkül floodlight range from 2700K to 6500K. Control can be done both from automation system or wireless.

Herkül projektör serimizde 2700K ile 6500K arası dinamik beyaz ışık kontrolü sağlayabiliyoruz. Kontrolü hem otomasyon sistemi üzerinden hem de kablosuz iletişim ile yapılabilmektedir.

RGBW

By using RGBW technology, pure white colour output is not effected from red, green and blue colours. Herkül range provides this option.

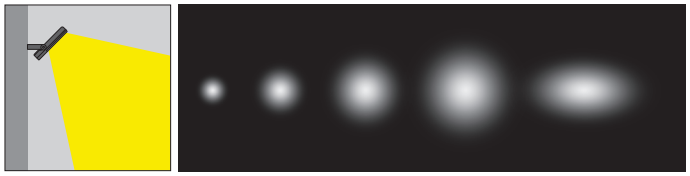
Herkül serisi RGBW olarak da kullanılabilmektedir. Saf beyaz ışık çıkışı bu sistem sayesinde kırmızı, yeşil ve mavi renklerinden etkilenmemektedir.

Herkül PR

LED A A+ A++ | 90° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP66 | IK08 | kg 11 | CRI 70 | CRI 80

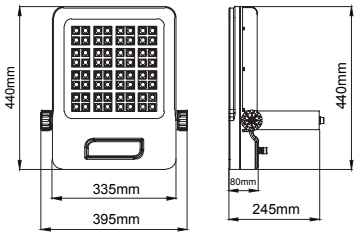
5 / Product Color / Ürün Renk

White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03



* See page 298 for ldt files. / Işık eğrileri için sayfa 298 bakınız.

Technical Drawing / Teknik Çizim



Herkül PR / O07.WL.16930

* Code example / Kod örneği:

O07.WL.16930 . 200 . 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 T_C=50° Lümen
200W	CRI>70	O07.WL.16930 . (..) . (...) . (..) . (..)	2700K	20569
			3000K	21011
			3500K	21454
			4000K	22339
			5000K	22783
			6500K	23225
	CRI>80	O07.WL.16930 . (..) . (...) . (..) . (..)	2700K	18919
			3000K	19138
			3500K	20018
			4000K	20457
			5000K	20678
			6500K	20898
	Tunable White / Dinamik Beyaz	O07.WL.16930 . (..) . (...) . (..) . (..)	2700K - 6500K	8680 - 11510
100W	RGBW	O07.WL.16930 . (..) . (...) . (..) . (..)	RGBW	1926

(...) / Complete Code / Komple Kod

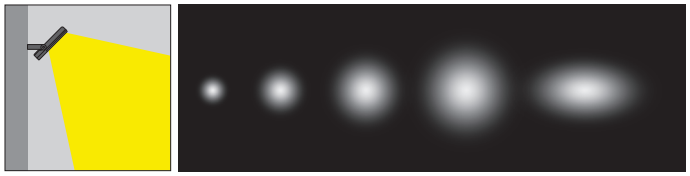
2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin			4		Reflector Angle / Reflektör Açısı	5		Product Color / Ürün Renk
200	200W - 950mA	727	CRI>70 - 2700K	827	CRI>80 - 2700K		SP	17° - Spot		01	white
175	175W - 850mA	730	CRI>70 - 3000K	830	CRI>80 - 3000K		ME	32° - Medium		02	ral 9010
150	150W - 750mA	735	CRI>70 - 3500K	835	CRI>80 - 3500K		MF	52° - Medium Flood		03	black
125	125W - 650mA	740	CRI>70 - 4000K	840	CRI>80 - 4000K		FL	65° - Flood		04	gray
		750	CRI>70 - 5000K	850	CRI>80 - 5000K		WF	98° - Wide Flood		05	dark gray
				TW	2700K - 6000K		OV	30° x 110° - Oval		06	special color
				RGBW	RGBW						

Mini Herkül PR

LED A A+ A++ | 90° 0° | PBS SASO CB LVD EAC CE IP 66 IK08 | kg 8.3 | CRI 70 CRI 80

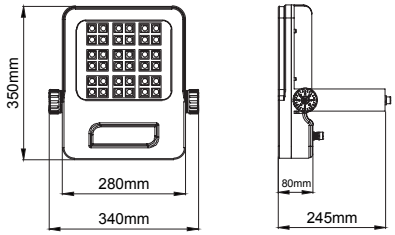
5 / Product Color / Ürün Renk

White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03



* See page 298 for Idt files. / Işık eğrileri için sayfa 298 bakınız.

Technical Drawing / Teknik Çizim



Mini Herkül PR / O07.WL.16935

* Code example / Kod örneği:

O07.WL.16935 . 100 . 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 T_C=50° Lümen
100W	CRI>70	O07.WL.16935 . (..) . (...) . (..) . (..)	2700K	11299
			3000K	11479
			3500K	12008
			4000K	12272
			5000K	12403
			6500K	12536
	CRI>80	O07.WL.16935 . (..) . (...) . (..) . (..)	2700K	10394
			3000K	10514
			3500K	10998
			4000K	11239
			5000K	11360
			6500K	11481
	Tunable White / Dinamik Beyaz	O07.WL.16935 . (..) . (...) . (..) . (..)	2700K - 6500K	4340 - 5555
50W	RGBW	O07.WL.16935 . (..) . (...) . (..) . (..)	RGBW	971

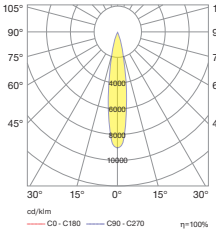
(..) / Complete Code / Komple Kod

2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin			4	Reflector Angle / Reflektör Açısı	5	Product Color / Ürün Renk
100	100W - 825mA	727	CRI>70 - 2700K	827	CRI>80 - 2700K	SP	17° - Spot	01	white
75	75W - 625mA	730	CRI>70 - 3000K	830	CRI>80 - 3000K	ME	32° - Medium	02	ral 9010
50	50W - 425mA	735	CRI>70 - 3500K	835	CRI>80 - 3500K	MF	52° - Medium Flood	03	black
25	25W - 225mA	740	CRI>70 - 4000K	840	CRI>80 - 4000K	FL	65° - Flood	04	gray
		750	CRI>70 - 5000K	850	CRI>80 - 5000K	WF	98° - Wide Flood	05	dark gray
				TW	2700K - 6000K	OV	30° x 110° - Oval	06	special color
				RGBW	RGBW				

LDT Files / LDT Dataları

O07.WL.16930

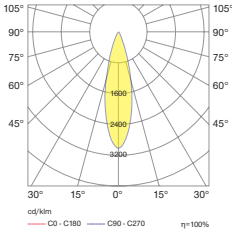
Beam Angle: 17° — 200W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	0.15	E(0°)	696520
		E(C0) 8.4°	342757
1.0	0.30	E(0°)	174130
		E(C0) 8.4°	85689
1.5	0.44	E(0°)	77391
		E(C0) 8.4°	38084
2.0	0.59	E(0°)	43532
		E(C0) 8.4°	21422
2.5	0.74	E(0°)	27861
		E(C0) 8.4°	13710
3.0	0.89	E(0°)	19348
		E(C0) 8.4°	9521

C0 - C180 (Half value angle: 16.8°)

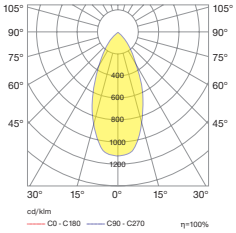
Beam Angle: 32° — 200W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	0.28	E(0°)	202889
		E(C0) 15.9°	90736
1.0	0.57	E(0°)	50722
		E(C0) 15.9°	22684
1.5	0.85	E(0°)	22543
		E(C0) 15.9°	10082
2.0	1.14	E(0°)	12681
		E(C0) 15.9°	5671
2.5	1.42	E(0°)	8116
		E(C0) 15.9°	3629
3.0	1.71	E(0°)	5636
		E(C0) 15.9°	2520

C0 - C180 (Half value angle: 31.8°)

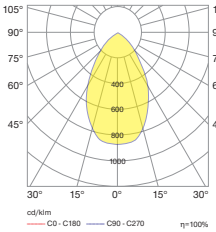
Beam Angle: 52° — 200W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	0.49	E(0°)	90620
		E(C0) 26.1°	33049
1.0	0.98	E(0°)	22655
		E(C0) 26.1°	8262
1.5	1.47	E(0°)	10069
		E(C0) 26.1°	3672
2.0	1.96	E(0°)	5664
		E(C0) 26.1°	2066
2.5	2.45	E(0°)	3625
		E(C0) 26.1°	1322
3.0	2.94	E(0°)	2517
		E(C0) 26.1°	918

C0 - C180 (Half value angle: 52.2°)

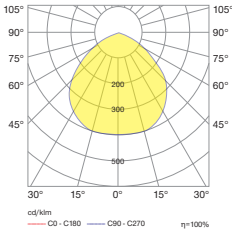
Beam Angle: 65° — 200W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	0.64	E(0°)	55444
		E(C0) 32.7°	16645
1.0	1.28	E(0°)	13861
		E(C0) 32.7°	4161
1.5	1.93	E(0°)	6106
		E(C0) 32.7°	1849
2.0	2.57	E(0°)	3465
		E(C0) 32.7°	1040
2.5	3.21	E(0°)	2218
		E(C0) 32.7°	666
3.0	3.85	E(0°)	1540
		E(C0) 32.7°	462

C0 - C180 (Half value angle: 65.4°)

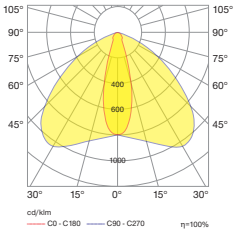
Beam Angle: 98° — 200W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	1.15	E(0°)	24545
		E(C0) 49.1°	3587
1.0	2.31	E(0°)	6136
		E(C0) 49.1°	897
1.5	3.46	E(0°)	2727
		E(C0) 49.1°	399
2.0	4.62	E(0°)	1534
		E(C0) 49.1°	224
2.5	5.77	E(0°)	982
		E(C0) 49.1°	143
3.0	6.93	E(0°)	682
		E(C0) 49.1°	100

C0 - C180 (Half value angle: 98.2°)

Beam Angle: Oval; 30° x 110° — 200W POWER LED

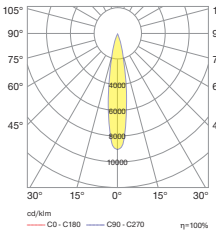


Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	1.39	E(0 °)	66244
	0.27	E(C90) 54.2°	8525
		E(C0) 15.3°	29781
1.0	2.77	E(0 °)	16561
	0.55	E(C90) 54.2°	2131
		E(C0) 15.3°	7445
1.5	4.16	E(0 °)	7360
	0.82	E(C90) 54.2°	947
		E(C0) 15.3°	3309
2.0	5.55	E(0 °)	4140
	1.09	E(C90) 54.2°	533
		E(C0) 15.3°	1861
2.5	6.93	E(0 °)	2650
	1.37	E(C90) 54.2°	341
		E(C0) 15.3°	1191
3.0	8.32	E(0 °)	1840
	1.64	E(C90) 54.2°	237
		E(C0) 15.3°	827

C0 - C180 (Half value angle: 30.6°)
C90 - C270 (Half value angle: 108.4°)

O07.WL.16935

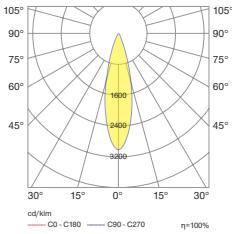
Beam Angle: 17° — 100W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	0.15	E(0°)	382665
		E(C0) 8.4°	188310
1.0	0.30	E(0°)	95666
		E(C0) 8.4°	47077
1.5	0.44	E(0°)	42518
		E(C0) 8.4°	20923
2.0	0.59	E(0°)	23917
		E(C0) 8.4°	11769
2.5	0.74	E(0°)	15307
		E(C0) 8.4°	7532
3.0	0.89	E(0°)	10630
		E(C0) 8.4°	5231

C0 - C180 (Half value angle: 16.8°)

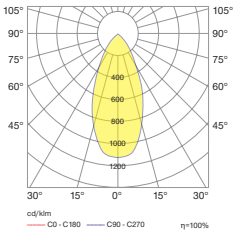
Beam Angle: 32° — 100W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	0.28	E(0°)	111462
		E(C0) 15.9°	49848
1.0	0.57	E(0°)	27866
		E(C0) 15.9°	12462
1.5	0.85	E(0°)	12385
		E(C0) 15.9°	5539
2.0	1.14	E(0°)	6966
		E(C0) 15.9°	3116
2.5	1.42	E(0°)	4458
		E(C0) 15.9°	1994
3.0	1.71	E(0°)	3096
		E(C0) 15.9°	1385

C0 - C180 (Half value angle: 31.8°)

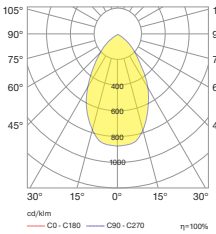
Beam Angle: 52° — 100W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	0.49	E(0°)	49785
		E(C0) 26.1°	18157
1.0	0.98	E(0°)	12446
		E(C0) 26.1°	4539
1.5	1.47	E(0°)	5532
		E(C0) 26.1°	2017
2.0	1.96	E(0°)	3112
		E(C0) 26.1°	1135
2.5	2.45	E(0°)	1991
		E(C0) 26.1°	726
3.0	2.94	E(0°)	1383
		E(C0) 26.1°	504

C0 - C180 (Half value angle: 52.2°)

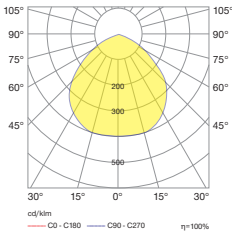
Beam Angle: 65° — 100W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	0.64	E(0°)	30459
		E(C0) 32.7°	9144
1.0	1.28	E(0°)	7615
		E(C0) 32.7°	2286
1.5	1.93	E(0°)	3384
		E(C0) 32.7°	1016
2.0	2.57	E(0°)	1904
		E(C0) 32.7°	572
2.5	3.21	E(0°)	1218
		E(C0) 32.7°	366
3.0	3.85	E(0°)	846
		E(C0) 32.7°	254

C0 - C180 (Half value angle: 65.4°)

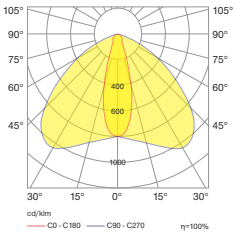
Beam Angle: 98° — 100W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	1.15	E(0°)	13484
		E(C0) 49.1°	1971
1.0	2.31	E(0°)	3371
		E(C0) 49.1°	493
1.5	3.46	E(0°)	1498
		E(C0) 49.1°	219
2.0	4.62	E(0°)	843
		E(C0) 49.1°	123
2.5	5.77	E(0°)	539
		E(C0) 49.1°	79
3.0	6.93	E(0°)	375
		E(C0) 49.1°	55

C0 - C180 (Half value angle: 98.2°)

Beam Angle: Oval; 30° x 110° — 100W POWER LED



Distance [m]	Koni Daimeter [m]		Illuminance [lx]
0.5	1.39	E(0 °)	36391
	0.27	E(C90) 54.2°	4683
		E(C0) 15.3°	16360
1.0	2.77	E(0 °)	9098
	0.55	E(C90) 54.2°	1171
		E(C0) 15.3°	4090
1.5	4.16	E(0 °)	4043
	0.82	E(C90) 54.2°	520
		E(C0) 15.3°	1818
2.0	5.55	E(0 °)	2274
	1.09	E(C90) 54.2°	293
		E(C0) 15.3°	1022
2.5	6.93	E(0 °)	1456
	1.37	E(C90) 54.2°	187
		E(C0) 15.3°	654
3.0	8.32	E(0 °)	1011
	1.64	E(C90) 54.2°	130
		E(C0) 15.3°	454

C0 - C180 (Half value angle: 30.6°)
C90 - C270 (Half value angle: 108.4°)

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