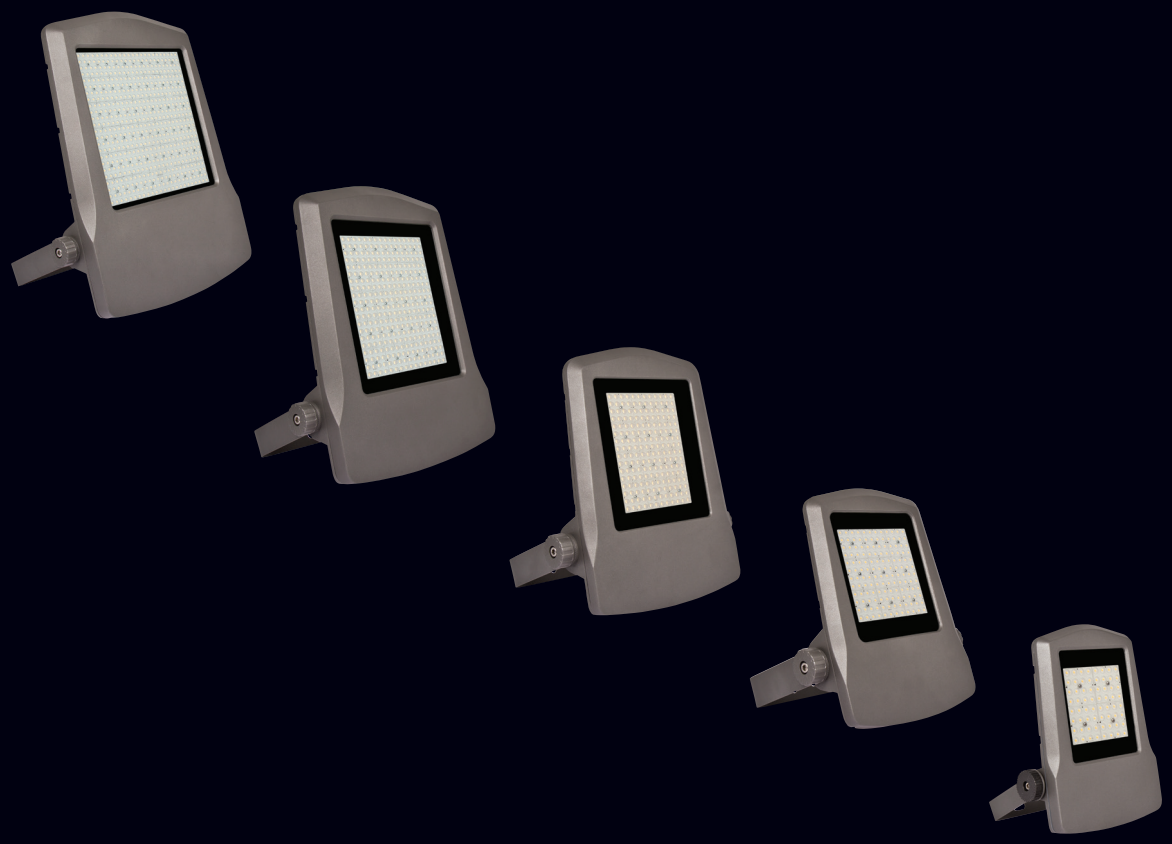


Falcon PR

IP66

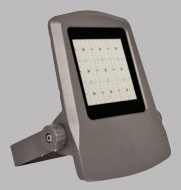
IK08

159
lm/W

5
YEARS
WARRANTY

Falcon PR

Falcon Mini PR



Falcon Midi PR

Falcon PR

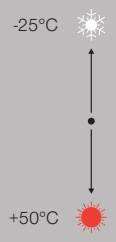
Falcon Maxi PR

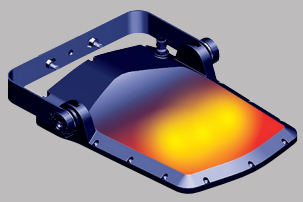
Falcon Mega PR

Operating Conditions / Çalışma Koşulları

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

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

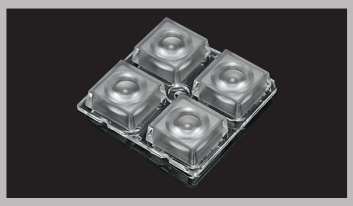




Optics / Optik

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 159lm/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.
- 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.
- 159lm/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.
- L80 B10 50000 saat ve beş yıl garanti.

Falcon 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- Clever design cooling pins.
Soğutma pinlerine sahip akıllı soğutma tasarımı.

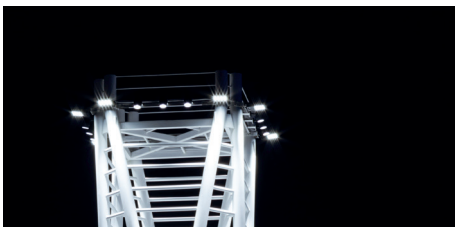
4- High quality LED driver that can function both in low and high Ta conditions with five years warranty. On/off, 1-10V and DALI options available.
Çok düşük ve yüksek Ta değerlerinde çalışabilen yüksek kalite LED trafosu. On/off, 1-10V ve DALI seçenekleri bulunmaktadır.

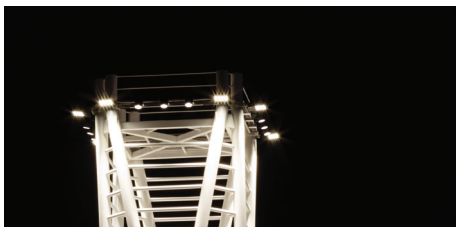
5- 120dg adjustable mounting arm with mechanical lock system.
120dg hareket edebilir mekanik kilitleme sistemine sahip montaj kolu.

Tunable White / Dinamik Beyaz

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

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





RGBW

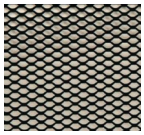
By using RGBW technology, pure white colour output is not effected from red, green and blue colours. Falcon range provides this option.

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

Falcon PR

Accessories / Aksesuarlar

	Falcon Mini PR	Falcon Midi PR	Falcon PR	Falcon Maxi PR	Falcon Mega PR
Visor / Vizör	Code / Kod:	Code / Kod:	Code / Kod:	Code / Kod:	Code / Kod:
	O07.VZR.16415	O07.VZR.16420	O07.VZR.16425	O07.VZR.16430	O07.VZR.16435
Honeycomb Filter / Balpeteği Filtre	Code / Kod:	Code / Kod:	Code / Kod:	Code / Kod:	Code / Kod:
	O07.HC.16415	O07.HC.16420	O07.HC.16425	O07.HC.16430	O07.HC.16435
Extending Adaptor / Uzatma Adaptörü	Code / Kod:	Code / Kod:	Code / Kod:	Code / Kod:	Code / Kod:
	O07.DRK.16415	O07.DRK.16420	O07.DRK.16425	O07.DRK.16430	O07.DRK.16435



Visual Comfort and Safety / Görsel Konfor ve Güvenlik

Different accesories like visor, and honeycomb filter can be integrated to Falcon to increase the visual comfort and decrease glare.

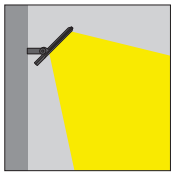
Vizör ve bal peteği filtresi gibi aksesuar entegrasyonları sayesinde Falcon serisinin aydınlatma konforu üst düzeye çıkarılır.

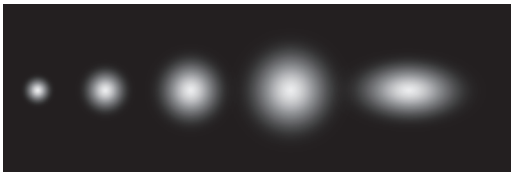
Falcon Mini PR

LED A A+ A++ | 120° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP 66 | IK08 | kg 2.5 | CRI 70 | CRI 80

5 / Product Color / Ürün Renk

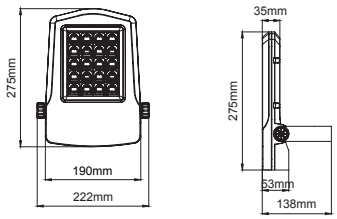
White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03





* See page 288 for Idt files. / Işık eğrileri için sayfa 288 bakınız.

Technical Drawing / Teknik Çizim



Falcon Mini PR / O07.WL.16415

* Code example / Kod örneği:

O07.WL.16415 . 40 . 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
40W	CRI>70	O07.WL.16415 . (..) . (...) . (..) . (..)	2700K	5260
			3000K	5377
			3500K	5431
			4000K	5590
			5000K	5645
			6500K	5537
	CRI>80	O07.WL.16415 . (..) . (...) . (..) . (..)	2700K	4738
			3000K	5058
			3500K	5111
			4000K	5325
			5000K	5329
			6500K	5217
	Tunable White / Dinamik Beyaz	O07.WL.16415 . (..) . (...) . (..) . (..)	2700K - 6500K	-
	RGBW	O07.WL.16415 . (..) . (...) . (..) . (..)	RGBW	-

(..) / Complete Code / Komple Kod

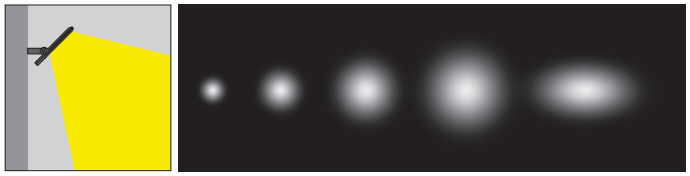
2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin			4		Reflector Angle / Reflektör Açısı	5		Product Color / Ürün Renk
40	40W - 1500mA	727	CRI>70 - 2700K	827	CRI>80 - 2700K		SP	20° - Spot		01	white
20	20W - 875mA	730	CRI>70 - 3000K	830	CRI>80 - 3000K		ME	25° - Medium		02	ral 9010
		735	CRI>70 - 3500K	835	CRI>80 - 3500K		FL	49° - Flood		03	black
		740	CRI>70 - 4000K	840	CRI>80 - 4000K		WF	90° - Wide Flood		04	gray
		750	CRI>70 - 5000K	850	CRI>80 - 5000K					05	dark gray
		765	CRI>70 - 6500K	TW	2700K - 6000K					06	special color
				RGBW	RGBW						

Falcon Midi PR

LED A A+ A++ | 120° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP 66 | IK08 | kg 6.4 | CRI 70 | CRI 80

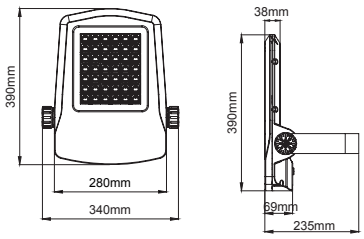
5 / Product Color / Ürün Renk

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



* See page 287 for ldt files. / Işık eğrileri için sayfa 287 bakınız.

Technical Drawing / Teknik Çizim



Falcon Midi PR / O07.WL.16420

* Code example / Kod örneği:

O07.WL.16420 . 75 . 827 . SP . 01

1 2 3 4 5

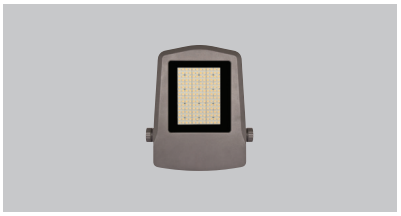
1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

Power / Güç	CRI	Order Code / Sipariş Kodu	Kelvin	Lümen T_C=50° Lümen
75W	CRI>70	O07.WL.16420 . (..) . (...) . (..) . (..)	2700K	11067
			3000K	11312
			3500K	11424
			4000K	11759
			5000K	11875
			6500K	11647
	CRI>80	O07.WL.16420 . (..) . (...) . (..) . (..)	2700K	9968
			3000K	10639
			3500K	10751
			4000K	11200
			5000K	11210
			6500K	10976
	Tunable White / Dinamik Beyaz	O07.WL.16420 . (..) . (...) . (..) . (..)	2700K - 6500K	2200 - 2750
	RGBW	O07.WL.16420 . (..) . (...) . (..) . (..)	RGBW	500

(..) / Complete Code / Komple Kod

2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin			4		Reflector Angle / Reflektör Açısı	5		Product Color / Ürün Renk
75	75W - 1000mA	727	CRI>70 - 2700K	827	CRI>80 - 2700K		SP	20° - Spot		01	white
50	50W - 700mA	730	CRI>70 - 3000K	830	CRI>80 - 3000K		ME	25° - Medium		02	ral 9010
		735	CRI>70 - 3500K	835	CRI>80 - 3500K		FL	49° - Flood		03	black
		740	CRI>70 - 4000K	840	CRI>80 - 4000K		WF	90° - Wide Flood		04	gray
		750	CRI>70 - 5000K	850	CRI>80 - 5000K					05	dark gray
		765	CRI>70 - 6500K	TW	2700K - 6000K					06	special color
				RGBW	RGBW						

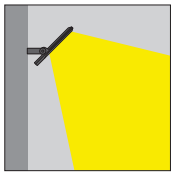
Falcon PR

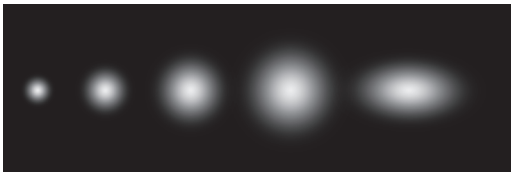


LED A A+ A++ | 120° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP 66 | IK08 | kg 8.4 | CRI 70 | CRI 80

5 / Product Color / Ürün Renk

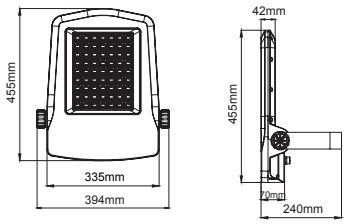
White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03





* See page 287 for Idt files. / Işık eğrileri için sayfa 287 bakınız.

Technical Drawing / Teknik Çizim



Falcon PR / O07.WL.16425

* Code example / Kod örneği:

O07.WL.16425 . 125 . 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
125W	CRI>70	O07.WL.16425 . (..) . (...) . (..) . (..)	2700K	18763
			3000K	19180
			3500K	19370
			4000K	19938
			5000K	20135
			6500K	19748
	CRI>80	O07.WL.16425 . (..) . (...) . (..) . (..)	2700K	16900
			3000K	18039
			3500K	18229
			4000K	18989
			5000K	19007
			6500K	18608
	Tunable White / Dinamik Beyaz	O07.WL.16425 . (..) . (...) . (..) . (..)	2700K - 6500K	4340 - 5555
	RGBW	O07.WL.16425 . (..) . (...) . (..) . (..)	RGBW	971

(..) / Complete Code / Komple Kod

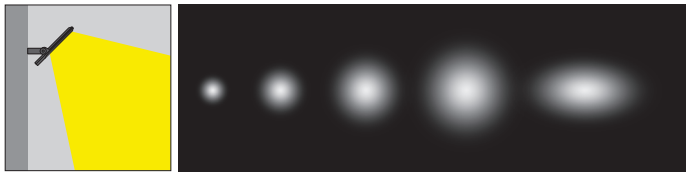
2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin			4		Reflector Angle / Reflektör Açısı	5		Product Color / Ürün Renk
125	125W - 820mA	727	CRI>70 - 2700K	827	CRI>80 - 2700K		SP	20° - Spot		01	white
100	100W - 660mA	730	CRI>70 - 3000K	830	CRI>80 - 3000K		ME	25° - Medium		02	ral 9010
		735	CRI>70 - 3500K	835	CRI>80 - 3500K		FL	49° - Flood		03	black
		740	CRI>70 - 4000K	840	CRI>80 - 4000K		WF	90° - Wide Flood		04	gray
		750	CRI>70 - 5000K	850	CRI>80 - 5000K					05	dark gray
		765	CRI>70 - 6500K	TW	2700K - 6000K					06	special color
				RGBW	RGBW						

Falcon Maxi PR

LED A A+ A++ | 120° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP 66 | IK08 | kg 11.7 | CRI 70 | CRI 80

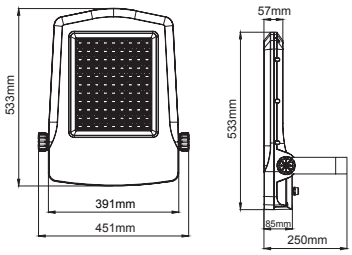
5 / Product Color / Ürün Renk

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



* See page 286 for ldt files. / Işık eğrileri için sayfa 286 bakınız.

Technical Drawing / Teknik Çizim



Falcon Maxi PR / O07.WL.16430

* Code example / Kod örneği:

O07.WL.16430 . 200 . 827 . SP . 01

1 2 3 4 5

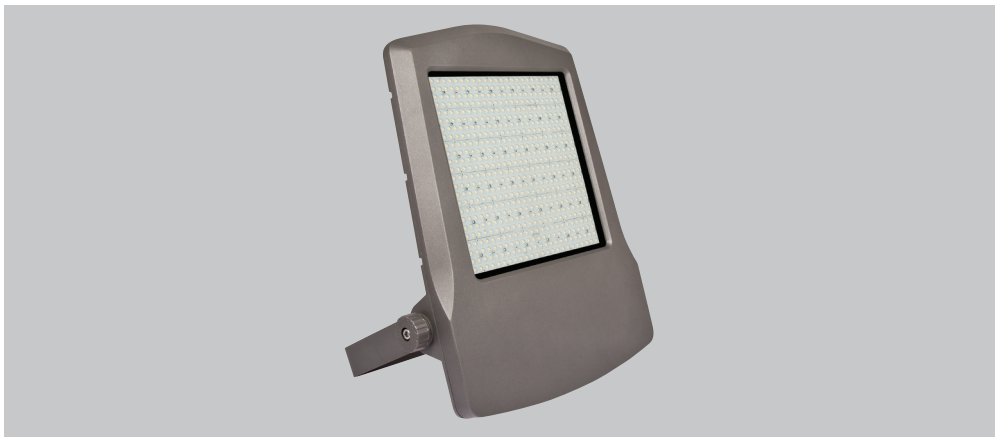
1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

Power / Güç	CRI	Order Code / Sipariş Kodu	Kelvin	Lümen T_C=50° Lümen
200W	CRI>70	O07.WL.16430 . (..) . (...) . (..) . (..)	2700K	28429
			3000K	29061
			3500K	29348
			4000K	30209
			5000K	30508
			6500K	29922
	CRI>80	O07.WL.16430 . (..) . (...) . (..) . (..)	2700K	25605
			3000K	27332
			3500K	27620
			4000K	28771
			5000K	28799
			6500K	28196
	Tunable White / Dinamik Beyaz	O07.WL.16430 . (..) . (...) . (..) . (..)	2700K - 6500K	8680 - 11510
	RGBW	O07.WL.16430 . (..) . (...) . (..) . (..)	RGBW	1926

(..) / Complete Code / Komple Kod

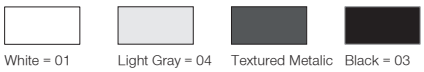
2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin			4		Reflector Angle / Reflektör Açısı	5		Product Color / Ürün Renk
200	200W - 1000mA	727	CRI>70 - 2700K	827	CRI>80 - 2700K		SP	20° - Spot		01	white
150	150W - 770mA	730	CRI>70 - 3000K	830	CRI>80 - 3000K		ME	25° - Medium		02	ral 9010
		735	CRI>70 - 3500K	835	CRI>80 - 3500K		FL	49° - Flood		03	black
		740	CRI>70 - 4000K	840	CRI>80 - 4000K		WF	90° - Wide Flood		04	gray
		750	CRI>70 - 5000K	850	CRI>80 - 5000K					05	dark gray
		765	CRI>70 - 6500K	TW	2700K - 6000K					06	special color
				RGBW	RGBW						

Falcon Mega PR

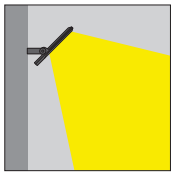


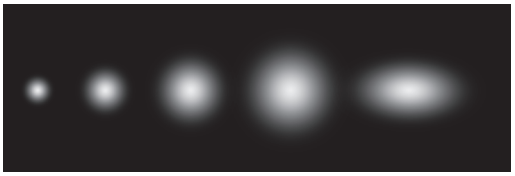
LED A A+ A++ | 120° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP 66 | IK08 | kg 19 | CRI 70 | CRI 80

5 / Product Color / Ürün Renk



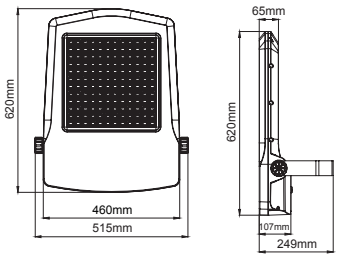
White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03



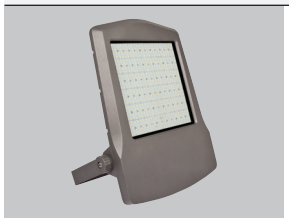


* See page 286 for Idt files. / Işık eğrileri için sayfa 286 bakınız.

Technical Drawing / Teknik Çizim



Falcon Mega PR / O07.WL.16435



* Code example / Kod örneği:

O07.WL.16425 . 275 . 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
275W	CRI>70	O07.WL.16435 . (..) . (...) . (..) . (..)	2700K	35977
			3000K	36776
			3500K	37139
			4000K	38229
			5000K	38607
			6500K	37866
	CRI>80	O07.WL.16435 . (..) . (...) . (..) . (..)	2700K	32403
			3000K	34589
			3500K	34952
			4000K	36409
			5000K	36445
			6500K	35680
	Tunable White / Dinamik Beyaz	O07.WL.16435 . (..) . (...) . (..) . (..)	2700K - 6500K	10850 - 14250
	RGBW	O07.WL.16435 . (..) . (...) . (..) . (..)	RGBW	2400

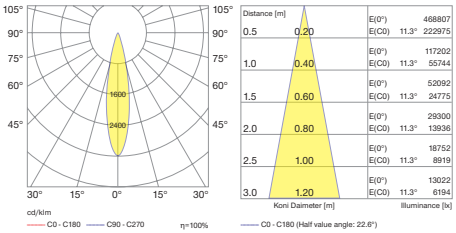
(..) / Complete Code / Komple Kod

2	Watt - Driving Current / Watt - Sürüş Akımı	3	CRI / Kelvin			4		Reflector Angle / Reflektör Açısı	5		Product Color / Ürün Renk
275	275W - 975mA	727	CRI>70 - 2700K	827	CRI>80 - 2700K		SP	20° - Spot		01	white
225	225W - 800mA	730	CRI>70 - 3000K	830	CRI>80 - 3000K		ME	25° - Medium		02	ral 9010
		735	CRI>70 - 3500K	835	CRI>80 - 3500K		FL	49° - Flood		03	black
		740	CRI>70 - 4000K	840	CRI>80 - 4000K		WF	90° - Wide Flood		04	gray
		750	CRI>70 - 5000K	850	CRI>80 - 5000K					05	dark gray
		765	CRI>70 - 6500K	TW	2700K - 6000K					06	special color
				RGBW	RGBW						

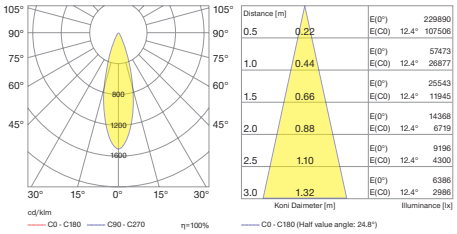
LDT Files / LDT Dataları

O07.WL.16435

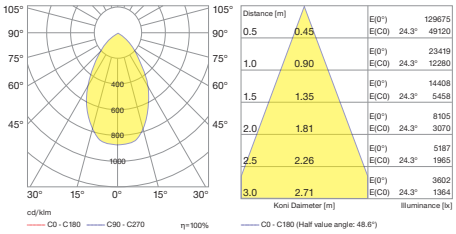
Beam Angle: 20° — 275W POWER LED



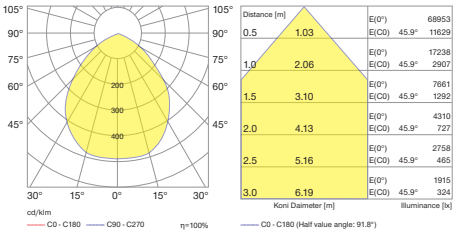
Beam Angle: 25° — 275W POWER LED



Beam Angle: 49° — 275W POWER LED

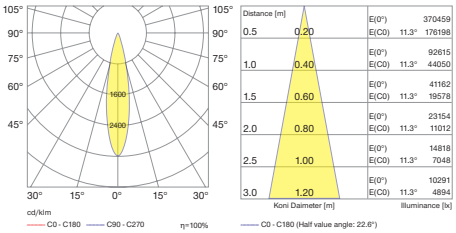


Beam Angle: 90° — 275W POWER LED

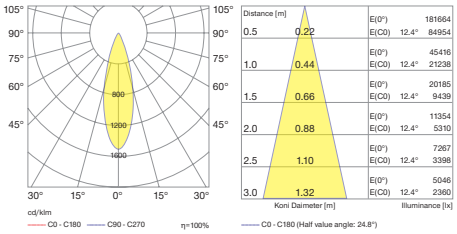


O07.WL.16430

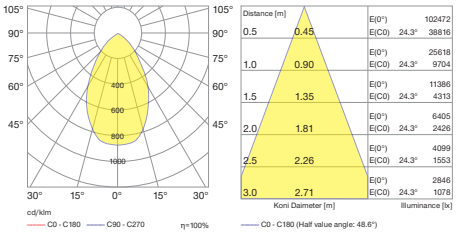
Beam Angle: 20° — 200W POWER LED



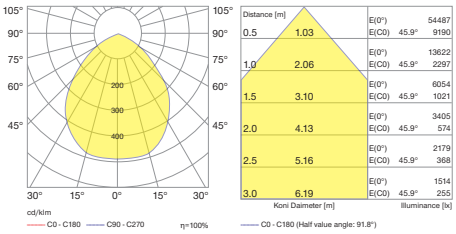
Beam Angle: 25° — 200W POWER LED



Beam Angle: 49° — 200W POWER LED



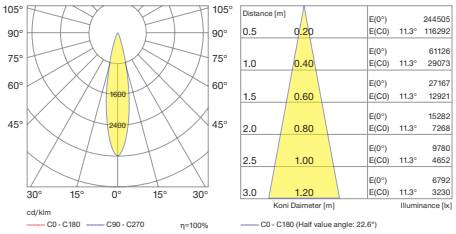
Beam Angle: 90° — 200W POWER LED



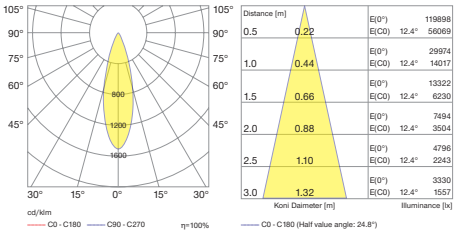
LDT Files / LDT Dataları

O07.WL.16425

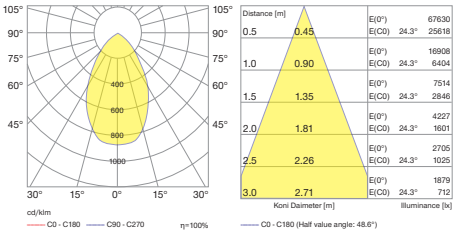
Beam Angle: 20° — 125W POWER LED



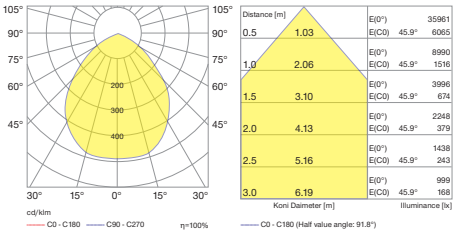
Beam Angle: 25° — 125W POWER LED



Beam Angle: 49° — 125W POWER LED

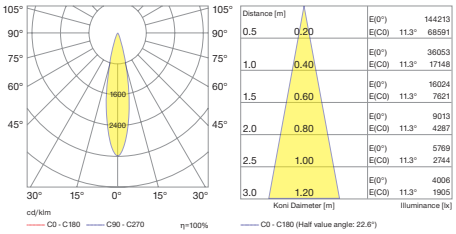


Beam Angle: 90° — 125W POWER LED

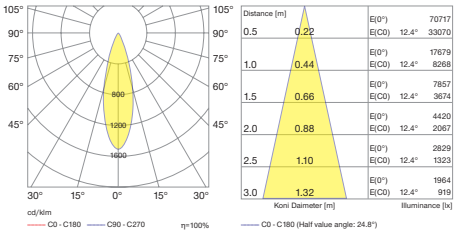


O07.WL.16420

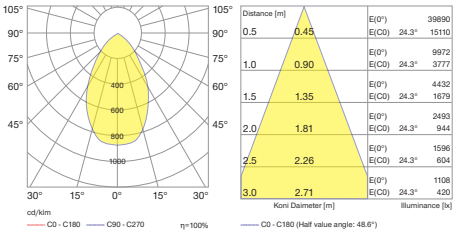
Beam Angle: 20° — 75W POWER LED



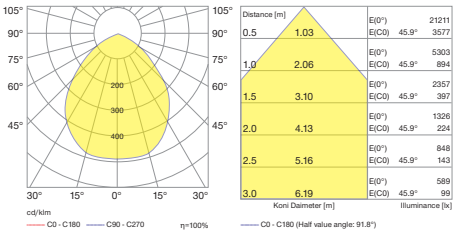
Beam Angle: 25° — 75W POWER LED



Beam Angle: 49° — 75W POWER LED



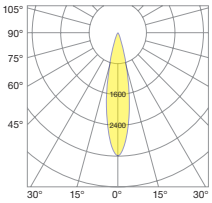
Beam Angle: 90° — 75W POWER LED



LDT Files / LDT Dataları

O07.WL.16415

Beam Angle: 20° — 40W POWER LED

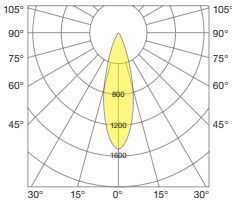


Distance [m]				Illuminance [lx]
0.5	0.20	E(0°)		68565
		E(C0)	11.3°	32611
1.0	0.40	E(0°)		17141
		E(C0)	11.3°	8153
1.5	0.60	E(0°)		7618
		E(C0)	11.3°	3623
2.0	0.80	E(0°)		4285
		E(C0)	11.3°	2038
2.5	1.00	E(0°)		2743
		E(C0)	11.3°	1304
3.0	1.20	E(0°)		1905
		E(C0)	11.3°	906

Koni Daimeter [m]

cd/klm — C0 - C180 — C90 - C270 — η=100% — C0 - C180 (Half value angle: 22.6°)

Beam Angle: 25° — 40W POWER LED

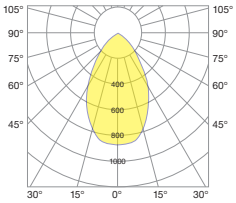


Distance [m]				Illuminance [lx]
0.5	0.22	E(0°)		33622
		E(C0)	12.4°	15723
1.0	0.44	E(0°)		8406
		E(C0)	12.4°	3931
1.5	0.66	E(0°)		3736
		E(C0)	12.4°	1747
2.0	0.88	E(0°)		2101
		E(C0)	12.4°	983
2.5	1.10	E(0°)		1345
		E(C0)	12.4°	629
3.0	1.32	E(0°)		934
		E(C0)	12.4°	437

Koni Daimeter [m]

cd/klm — C0 - C180 — C90 - C270 — η=100% — C0 - C180 (Half value angle: 24.8°)

Beam Angle: 49° — 40W POWER LED

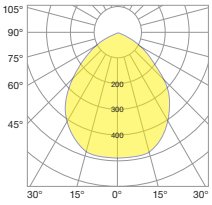


Distance [m]				Illuminance [lx]
0.5	0.45	E(0°)		18962
		E(C0)	24.3°	7183
1.0	0.90	E(0°)		4741
		E(C0)	24.3°	1796
1.5	1.35	E(0°)		2107
		E(C0)	24.3°	798
2.0	1.81	E(0°)		1185
		E(C0)	24.3°	449
2.5	2.26	E(0°)		758
		E(C0)	24.3°	287
3.0	2.71	E(0°)		527
		E(C0)	24.3°	200

Koni Daimeter [m]

cd/klm — C0 - C180 — C90 - C270 — η=100% — C0 - C180 (Half value angle: 48.6°)

Beam Angle: 90° — 40W POWER LED



Distance [m]				Illuminance [lx]
0.5	1.03	E(0°)		10084
		E(C0)	45.9°	1701
1.0	2.06	E(0°)		2521
		E(C0)	45.9°	425
1.5	3.10	E(0°)		1120
		E(C0)	45.9°	189
2.0	4.13	E(0°)		630
		E(C0)	45.9°	106
2.5	5.16	E(0°)		403
		E(C0)	45.9°	68
3.0	6.19	E(0°)		280
		E(C0)	45.9°	47

Koni Daimeter [m]

cd/klm — C0 - C180 — C90 - C270 — η=100% — C0 - C180 (Half value angle: 91.8°)