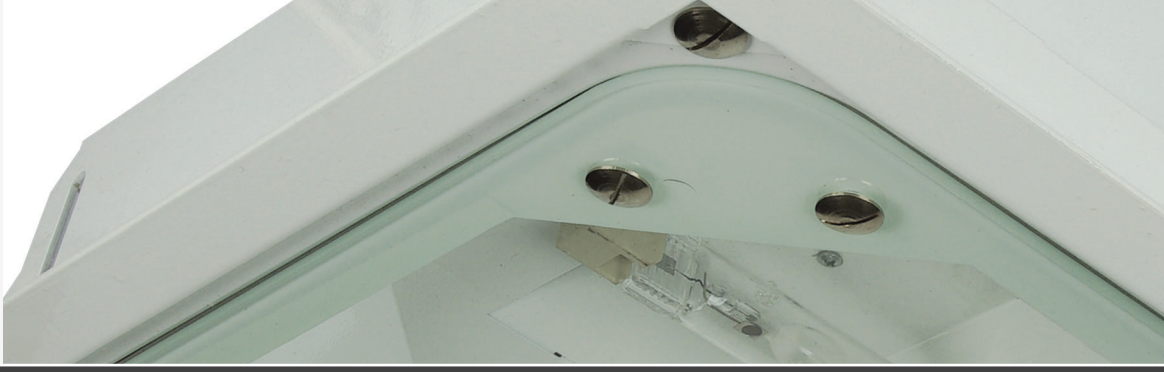


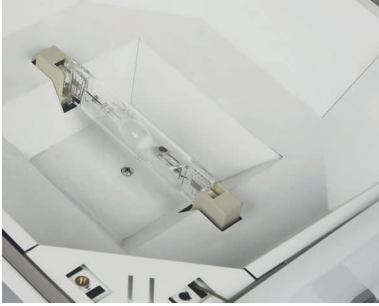
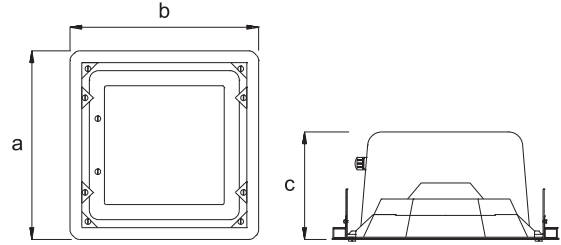
02



Dýp Mekan Özel Armatürler Special-Purpose Outdoor Luminaires



Sýva Altý Monoblok Benzinlik Armatürleri Recessed Monoblock Canopy Luminaires



Armatür Özellikleri

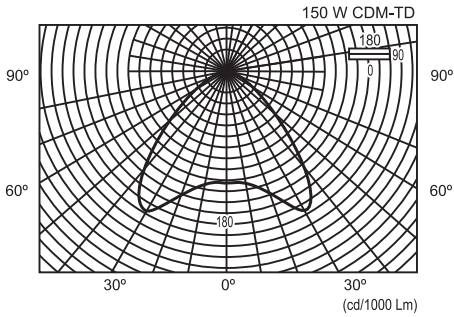
- Gövde : Alüminyum
- Reflektör : Özel beyaz boyalı alüminyum
- Cam : Darbelere dayanıklý temperli
- Duy : EN 60238 porselen
- Kablo : 1,5 mm silikon
- Balast : EN 60923-EN 61347-2-9
- Ateþleyici : EN 61347-2-1
- Boya : Elektrostatik toz boya

- * Özel boyalı reflektör ile yüksek renk geri verimi saðlar.
- * Zaman ayarlı ignitör (bkz sy 410) ve ýsýl anahtarlı balast (bkz sy 398) uygulanabilir.

Specifications

- Body : Aluminium
- Reflector : Special white coated aluminium
- Diffuser : Tempered glass
- Base : EN 60238 porcelain
- Cable : 1,5 mm silicone
- Ballast : EN 60923-EN 61347-2-9
- Igniter : EN 61347-2-1
- Coating : Electrostatic powder coating

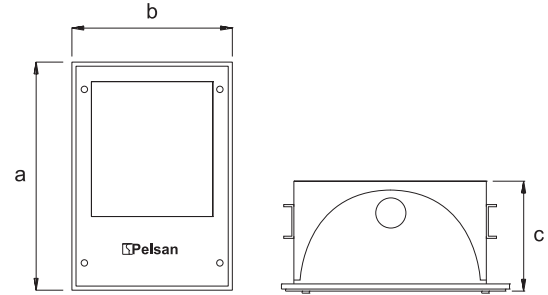
- * Provides high light efficiency with special white coating reflector.
- * Timer igniter (see page 410) and thermal protection balast (see page 398) can be applied.



Kod No Code No	Güç Power (w)	Lamba Tipi Lamp Type	Atepleyici Igniter (w)	Iþık Akıþý Luminous Flux (lm)	Kondansatör Capacitor (µF±10 250 V)	Boyutlar Dimensions (mm)	 (mm)	Aðýrlık Weight (Kg)	Hacim Volume (m³)	Duy Base	Koli Adedi Pcs / Pack
						a b c					
5612-161	150	MHN-TD 150	70-400	12000	20	400x400x205	360x360	10,00	0,037	RX7s	1



Sýva Altý Dikdörtgen Benzinlik Armatürleri Recessed Rectangular Canopy Luminaires



Armatür Özellikleri

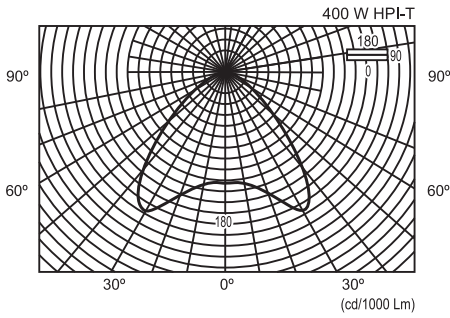
Gövde : Elektrostatik toz boyalı metal
Reflektör : Anodize alüminyum
Cam : Darbelere dayanıklı temperli
Duy : EN 60238 porselen
Kablo : 1,5 mm silikon
Balast : EN 60923-EN 61347-2-9
Atepleyici : EN 61347-2-1

* Zaman ayarlı ıgnitör (bkz sy 410) ve ırsıl anahtarlı balast (bkz sy 398) uygulanabilir.

Specifications

Body : Electrostatic powder coated sheet
Reflector : Anodised aluminium
Diffuser : Tempered glass
Base : EN 60238 porcelain
Cable : 1,5 mm silicone
Ballast : EN 60923-EN 61347-2-9
Igniter : EN 61347-2-1

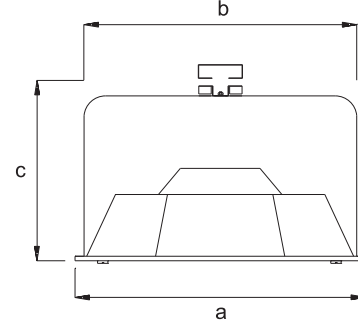
* Timer igniter (see page 410) and thermal protection balast (see page 398) can be applied.



Kod No Code No	Güç Power (w)	Lamba Tipi Lamp Type	Atepleyici Igniter (w)	Işık Akısı Luminous Flux (lm)	Kondansatör Capacitor (µF±10 250 V)	Boyutlar Dimensions (mm)			Ağırlık Weight (Kg)	Hacim Volume (m³)	Duy Base	Koli Adedi Pcs / Pack
						a	b	c				
5612-119	150	HPI-T 150	70-400	12000	20	610x407x208	560x345		13,20	0,056	E40	1
5612-122	250	HPI-T 250	70-400	19000	32	610x407x208	560x345		14,00	0,056	E40	1
5612-118	400	HPI-T 400	70-400	34000	35	610x407x208	560x345		15,50	0,056	E40	1
5612-120	250	HPL 250		13000	18	610x407x208	560x345		13,00	0,056	E40	1
5612-121	400	HPL 400		22000	25	610x407x208	560x345		14,50	0,056	E40	1



Sıya Üstü Monoblok Benzinlik Armatürleri
Surface Mounted Monoblock Canopy Luminaires



Armatür Özellikleri

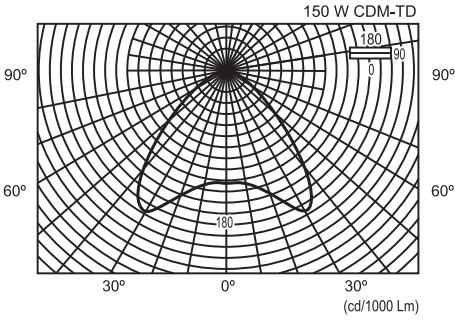
Gövde : Alüminyum
Reflektör : Özel beyaz boyalı alüminyum
Cam : Darbelere dayanıklı temperli
Duy : EN 60238 porselen
Kablo : 1,5 mm silikon
Balast : EN 60923-EN 61347-2-9
Ateşleyici : EN 61347-2-1
Boya : Elektrostatik toz boya

* Özel boyalı reflektör ile yüksek renk geri verimi sağlar.
* Zaman ayarlı ıgnitör (bkz sy 410) ve ışıl anahtarlı balast (bkz sy 398) uygulanabilir.

Specifications

Body : Aluminium
Reflector : Special white coated aluminium
Diffuser : Tempered glass
Base : EN 60238 porcelain
Cable : 1,5 mm silicone
Ballast : EN 60923-EN 61347-2-9
Igniter : EN 61347-2-1
Coating : Electrostatic powder coating

* Provides high colour rendering with special white coated reflector.
* Timer igniter (see page 410) and thermal protection balast (see page 398) can be applied.

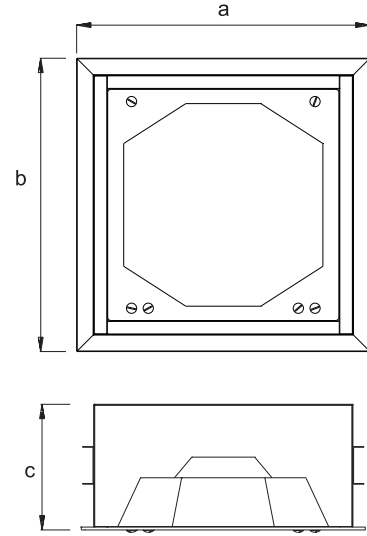


Kod No Code No	Güç Power (w)	Lamba Tipi Lamp Type	Ateşleyici Igniter (w)	Işık Akışı Luminous Flux (lm)	Kondansatör Capacitor (µF±10 250 V)	Boyutlar Dimensions (mm) a b c	Ağırlık Weight (Kg)	Hacim Volume (m³)	Duy Base	Koli Adedi Pcs / Pack
5212-161	150	MHN-TD 150	70-400	12000	20	342x205x295	9,00	0,025	RX7s	1



Sıya Altı Kare Benzinlik Armat rleri

Recessed Square Conapy Luminaires



Armat r  zellikleri

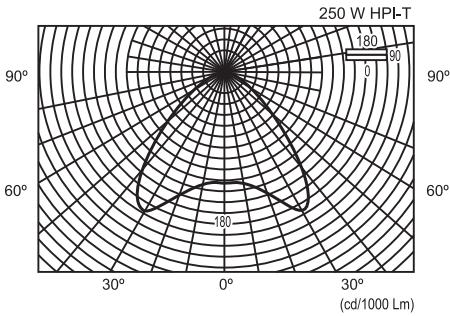
- G vde : Elektrostatik toz boyalı metal
- Reflekt r : Anodize al minyum
- Cam : Darbelere dayanıklı temperli
- Duy : EN 60238 porselen
- Kablo : 1,5 mm silikon
- Balast : EN 60923 - EN 61347-2-9
- Ate leyici : EN 61347-2-1
- Boya : Elektrostatik toz boya

* Zaman ayarlı ıgnit r (bkz sy 410) ve  s yl anahtarlı balast (bkz sy 398) uygulanabilir.

Specifications

- Body : Electrostatic powder coating sheet
- Reflector : Anodised aluminium
- Diffuser : Tempered glass
- Base : EN 60238 porcelain
- Cable : 1,5 mm silicone
- Ballast : EN 60923-EN 61347-2-9
- Igniter : EN 61347-2-1

* Timer igniter (see page 410) and thermal protection balast (see page 398) can be applied.



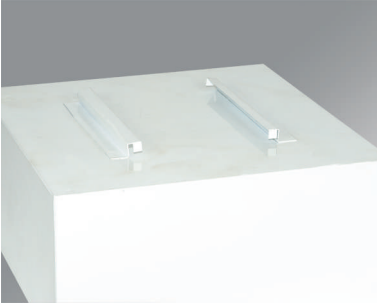
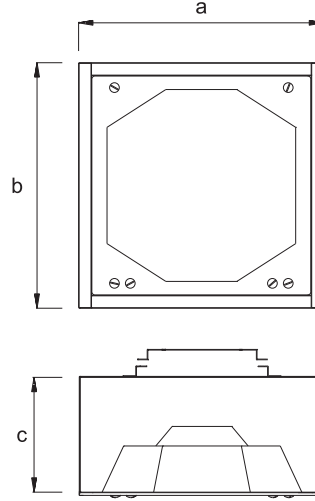
Kod No Code No	G�� Power (w)	Lamba Tipi Lamp Type	Ate�leyici Igniter (w)	Ipik Akı�ı Luminous Flux (lm)	Kondansat�r Capacitor (�F�10 250 V)	Boyutlar Dimensions (mm)	(mm)	A�ırlık Weight (Kg)	Hacim Volume (m�)	Duy Base	Koli Adedi Pcs / Pack
						a b c					
5612-155	150	MHN-T 150	70-400	12000	20	430x380x180	390x390	9,00	0,04232	RX7s	1
5612-156	150	MHN-T 250	70-400	19000	32	430x380x180	390x390	9,00	0,04232	FC2	1
5612-157	250	HPI-T 250	70-400	19000	32	430x380x180	390x390	10,20	0,04232	E40	1
5612-158	400	HPI-T 400	70-400	34000	35	430x380x180	390x390	10,60	0,04232	E40	1

IP 65

EN 60598-2-2 230 V 50 Hz



Sıva Üstü Kare Benzinlik Armatürler
Surface Mounted Square Canopy Luminaires



Armatür Özellikleri

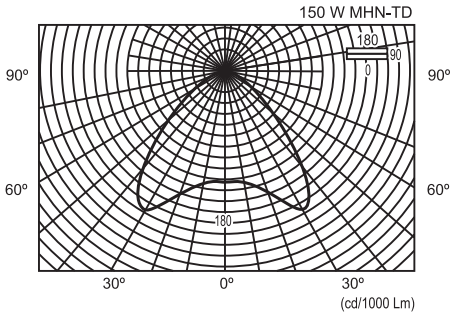
Gövde : Elektrostatik toz boyalı metal
Reflektör : Anodize alüminyum
Cam : Darbelere dayanıklı temperli
Duy : EN 60238 porselen
Kablo : 1,5 mm silikon
Balast : EN 60923 - EN 61347-2-9
Ateşleyici : EN 61347-2-1

* Zaman ayarlı ıgnitör (bkz sy 410) ve ışıl anahtarlı balast (bkz sy 398) uygulanabilir.

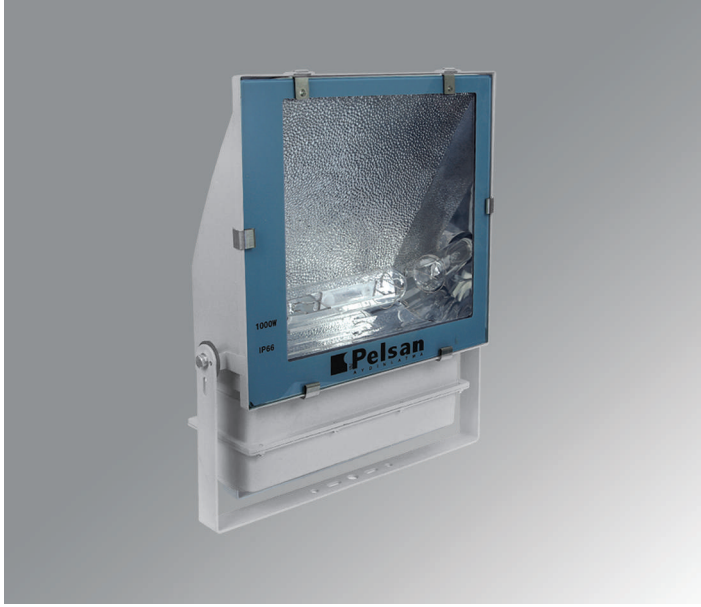
Specifications

Body : Electrostatic powder coated sheet
Reflector : Anodised aluminium
Diffuser : Tempered glass
Base : EN 60238 porcelain
Cable : 1,5 mm silicone
Ballast : EN 60923-EN 61347-2-9
Igniter : EN 61347-2-1
Coating : Electrostatic powder coating

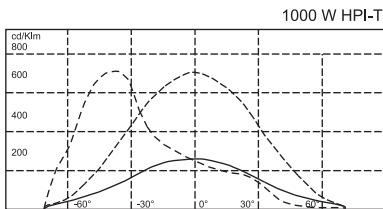
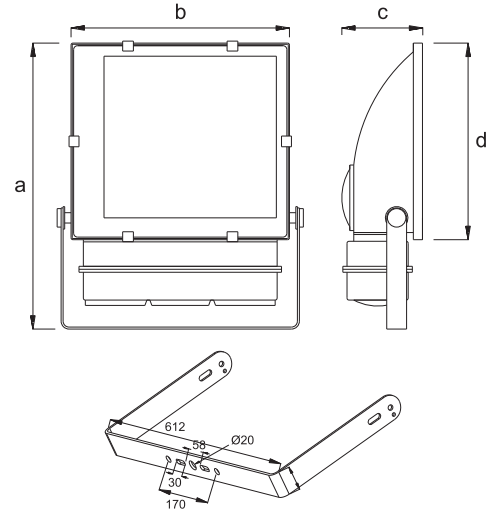
* Timer igniter (see page 410) and thermal protection balast (see page 398) can be applied.



Kod No Code No	Güç Power (w)	Lamba Tipi Lamp Type	Ateşleyici Igniter (w)	Işık Akısı Luminous Flux (lm)	Kondansatör Capacitor (µF±10 250 V)	Boyutlar Dimensions (mm)			Ağırlık Weight (Kg)	Hacim Volume (m³)	Duy Base	Koli Adedi Pcs / Pack
						a	b	c				
5612-166	150	MHN-T 150	70-400	12000	20	380x380x180			7,40	0,03422	RX7s	1
5612-167	150	MHN-T 250	70-400	19000	32	380x380x180			7,40	0,03422	FC2	1
5612-168	250	HPI-T 250	70-400	19000	32	380x380x180			8,50	0,03422	E40	1
5612-169	400	HPI-T 400	70-400	34000	35	380x380x180			8,90	0,03422	E40	1



“Tenis Kortu” Projektörü
“Tennis Court” Floodlight



Armatür Özellikleri

Gövde	: Enjeksiyon alüminyum
Reflektör	: %99 saflıkta metalize edilmiş alüminyum
İplik dađıymı	: Asimetrik geniş açılı
Cam	: 5mm ısıya ve darbelere dayanıklı temperli
Conta	: Silikon
Rakor	: PG 13,5
Kablo	: Silikon
Balast	: EN 60923-EN 61347-2-9
Atepleyici	: EN 61347-2-1

- * Açık ayarlamak için yatar mekanizma
- * Paslanmaz çelik vidalar
- * Lamba sabitleme yayı
- * Zaman ayarlı ignitör (bkz sy 410) ve ısıt anahtarlı balast (bkz sy 398) uygulanabilir.

Specifications

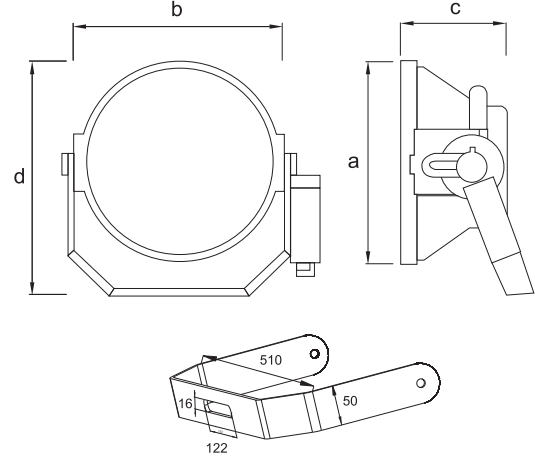
Body	: Injection aluminium
Reflector	: 99% pure anodised aluminium
Light distribution	: Asymmetric wide angle
Diffuser	: 5 mm tempered glass
Gasket	: Silicone
Cable gland	: PG 13,5
Cable	: Silicone
Ballast	: EN 60923-EN 61347-2-9
Igniter	: EN 61347-2-1

- * Angle adjustment mechanism
- * Stainless steel screws
- * Lamp holding spring
- * Timer igniter (see page 410) and thermal protection balast (see page 398) can be applied.

Kod No Code No	Reflektör Reflector	Güç Power (w)	Lamba Tipi Lamp Type	Atepleyici Igniter (w)	İplik Akısı Luminous Flux (lm)	Kondansatör Capacitor (µF±10 250 V)	Boyutlar Dimensions (mm) a b c d	Ağırlık Weight (Kg)	Hacim Volume (m³)	Duy Base	Koli Adedi Pcs / Pack
5611-262	Asimetrik	1000	HPI-T 1000	1000	80000	85	720x550x210x496	27	0,110	E40	1
5611-262	Asimetrik	1000	SON-T 1000	1000	130000	100	720x550x210x496	27	0,110	E40	1



“Stad” Projekt r
“Stad” Floodlight



Armat r  zellikleri

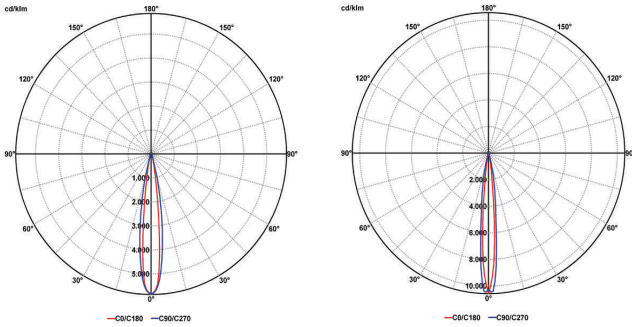
G�vde	: Enjeksiyon al�minyum
Reflekt�r	: Anodize al�minyum
İ�yk da��ly�m�	: Dar a��ly�
Cam	: 5 mm �s�ya dayan�kl� seramik cam
Conta	: Silikon
Rakor	: PG 13,5
Kablo	: Silikon
Balast	: EN 60923-EN 61347-2-9
Atepleyici	: EN 61347-2-1

- * A   ayarlamak i in yatar mekanizma
- * Paslanmaz  elik vidalar
- * Zaman ayarlı ignit r (bkz sy 410) ve  s l anahtarlı balast (bkz sy 398) uygulanabilir.

Specifications

Body	: Injection aluminium
Reflector	: Anodised aluminium
Light distribution	: Narrow angle
Diffuser	: 5 mm ceramic glass
Gasket	: Silicone
Cable gland	: PG 13,5
Cable	: Silicone
Ballast	: EN 60923-EN 61347-2-9
Igniter	: EN 61347-2-1

- * Angle adjustment mechanism
- * Stainless steel screws
- * Timer igniter (see page 410) and thermal protection balast (see page 398) can be applied.



Geni  A  ly 

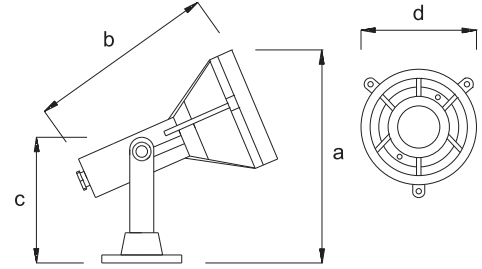
Dar A  ly 

Kod No Code No	Reflekt�r Reflector	G�c Power (w)	Lamba Tipi Lamp Type	Atepleyici Igniter (w)	İ�yk Ak�s� Luminous Flux (lm)	Kondansat�r Capacitor (�F�10 250 V)	Boyutlar Dimensions (mm) a b c d	A��rl�k Weight (Kg)	Hacim Volume (m ³)	Duy Base	Koli Adedi Pcs / Pack
5611-422	Rotasyonel	1000	MHN-LA 1000	1000	80000	85	452x472x250x500	13,70	0,0799	Cable	1
5611-421	Rotasyonel	2000	MHN-LA 2000	2000 (380V)	200000	60 (450V)	452x472x250x500	13,70	0,0799	Cable	1

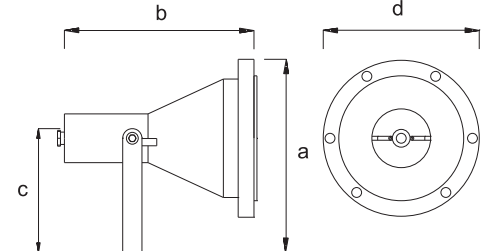
Yađmur Altý Projektörler Underrain Projectors



5412-111



5412-112



Armatür Özellikleri

Gövde : Alüminyum enjeksiyon
Duy : EN 60238
Conta : Silikon
Boya : Elektrostatik toz boya

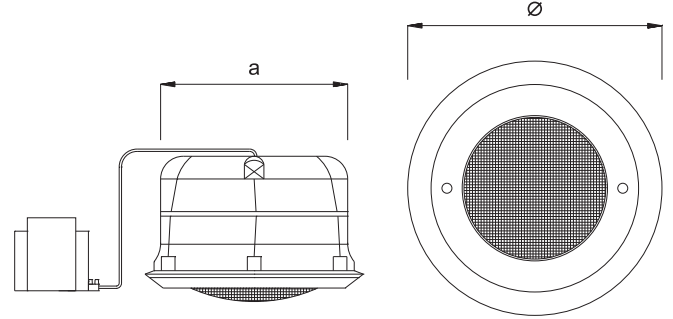
Specifications

Body : Injection aluminium
Base : EN 60238
Gasket : Silicone
Coating : Electrostatic powder coating

Kod No Code No	Tip Type	Güç Power (w)	Lamba Tipi Lamp Type	Işık Akısı Luminous Flux (Cd)	Akım Current (A)	Boyutlar Dimensions (mm)				Ağırlık Weight (Kg)	Hacim Volume (m³)	Duy Base	Koli Adedi Pcs / Pack
						a	b	c	d				
5412-111	Açık tip	80	PAR 38	5400	0,35	245	180	145	130	16	0,1080	E27	20
5412-112	Kapalı tip	80	PAR 38	5400	0,35	196	188	125	160	21	0,1180	E27	20



Havuz Armatürü
Pool Luminaire



Armatür Özellikleri

- Gövde : Polimer
- Duy : Cable
- Conta : Silikon
- Kablo : 2x6 mm²
- Kapak : Paslanmaz çelik

- * Sadece su içerisinde çalışır.
- * Trafolu çalışır.
- * Montaj derinliği 2 metreyi geçmemelidir.

Specifications

- Body : Polymer
- Base : Cable
- Gasket : Silicone
- Cable : 2x6 mm²
- Frame : Stainless steel

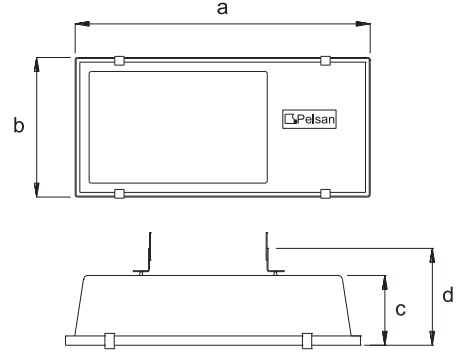
- * Works only in water
- * Transformer needed to operate
- * Mounting depth must not exceed 2 m



Kod No Code No	Tip Type	Güç Power (w)	Lamba Tipi Lamp Type	İpik Akısı Luminous Flux (Cd)	Akım Current (A)	Boyutlar Dimensions (mm)	Ağırlık Weight (Kg)	Hacim Volume (m ³)	Duy Base	Koli Adedi Pcs / Pack
5412-113	Havuz Armatürü	300	PAR 56	16000	1,3	160x280	21,2	0,0438	Cable	6



T nel Armat r 
Tunnel Luminaires



Armat r  zellikleri

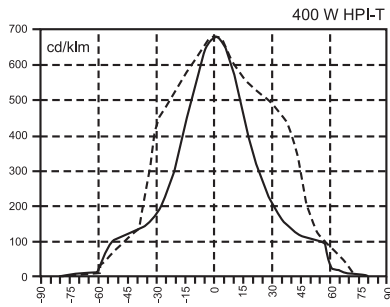
- G vde : Enjeksiyon al minyum
- Reflekt r : %99 safl kta metalize edilmi  al minyum
- İ  k da  l m  : Simetrik geni  a  l 
- Cam : 5 mm  s ya ve darbelere dayan kl  temperli
- Conta : Silikon
- Rakor : PG 13,5
- Balast : EN 60923-EN 61347-2-9
- Ate leyici : EN 61347-2-1

- * A   ayarlamak i in yatar mekanizma
- * Paslanmaz  elik vidalar
- * Zaman ayarlı  gnit r (bkz sy 410) ve  s l anahtarlı balast (bkz sy 398) uygulanabilir.

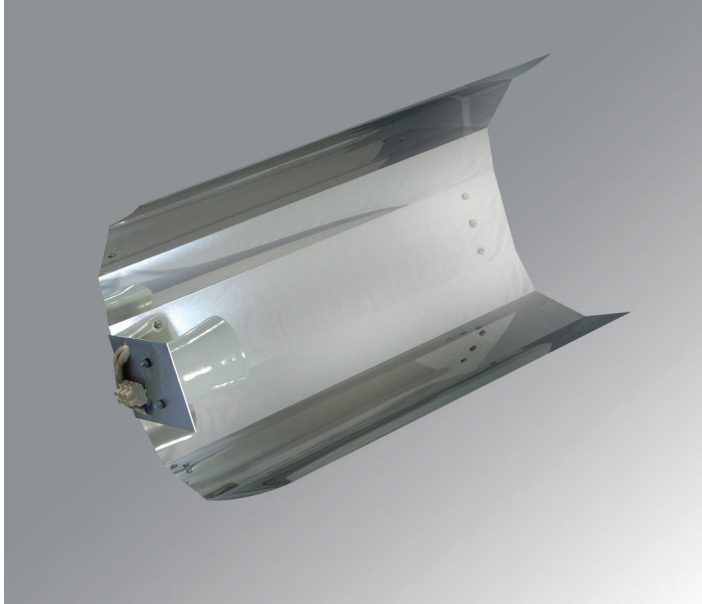
Specifications

- Body : Injection aluminium
- Reflector : 99% anodised aluminium
- Light distribution : Symmetric wide angle
- Diffuser : 5 mm tempered glass
- Gasket : Silicone
- Cable gland : PG 13,5
- Ballast : EN 60923-EN 61347-2-9
- Igniter : EN 61347-2-1

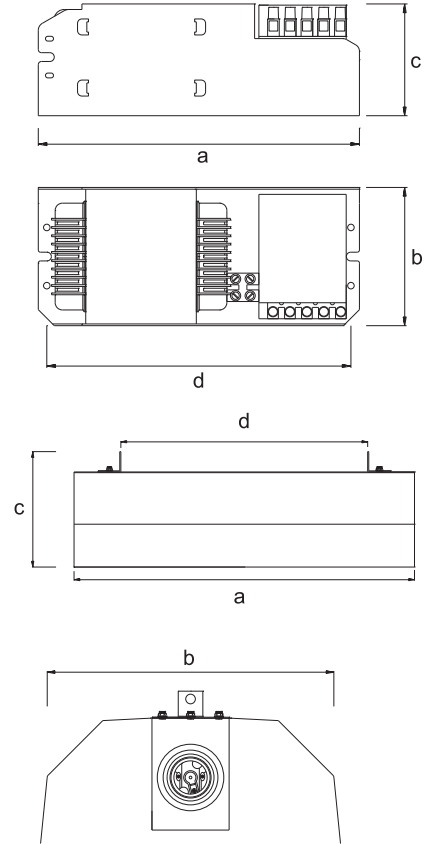
- * Angle adjustment mechanism
- * Stainless steel screws
- * Timer igniter (see page 410) and thermal protection balast (see page 398) can be applied.



Kod No Code No	Tip Type	G�� Power (w)	Lamba Tipi Lamp Type	Ate�leyici Igniter (w)	İ��k Ak�� Luminous Flux (lm)	Kondansat�r Capacitor (�F�10 250 V)	Boyutlar Dimensions (mm)				A��rl�k Weight (Kg)	Hacim Volume (m�)	Duy Base	Koli Adedi Pcs / Pack
							a	b	c	d				
5322-113	Simetrik	150	HPI-T 150	70-400	12000	20	555	282	155	245	8,50	0,035	E40	1
5322-114	Simetrik	250	HPI-T 250	70-400	19000	32	555	282	155	245	9,65	0,035	E40	1
5322-123	Simetrik	400	HPI-T 400	70-400	34000	35	555	282	155	245	10,00	0,035	E40	1
5322-113	Simetrik	150	SON-T 150	70-400	14000	20	555	282	155	245	8,50	0,035	E40	1
5322-114	Simetrik	250	SON-T 250	70-400	25000	32	555	282	155	245	9,65	0,035	E40	1
5322-115	Simetrik	400	SON-T 400	70-400	48000	45	555	282	155	245	11,70	0,035	E40	1



Sera Armatürleri Greenhouse Luminaires



Özellikler

Balast : EN 60923-EN 61347-2-9
Ateşleyici : EN 61347-2-1
Reflektör : %99 saflıkta anodize alüminyum
Duy : EN 60238 porselen

- * Balast kiti 25 metreye kadar ateşleme yapabilir.
- * Kompanzasyon için kondansatör içindedir.

Specifications

Ballast : EN 60923-EN 61347-2-9
Igniter : EN 61347-2-1

- * Ballast kit makes ignition up to 25 m
- * Capacitor included for compensation

Kod No Code No	Tip Type	Volt Voltage (v)	Lamba Tipi Lamp Type	Anma Akımı Nominal Current (A)	Güç Faktörü Power Factor (λ)	Boyutlar Dimensions (mm) a b c d	Ağırlık Weight (Kg)	Hacim Volume (m³)	Koli Adedi Pcs / Pack
5511-239	400 W Sera Kiti	230	SON 400	2,10	0,90	232x93x79x222	20,00	0,00680	4
5511-240	600 W Sera Kiti	230	SON 600	2,95	0,90	246x126,5x138x236	15,00	0,00860	2
4070-174	Sera Kit Reflektörü					469x298x159x340	5,00	0,02045	2