



**GENERAL CHARACTERISTICS**


**Housing/Frame:** in die-cast aluminium with cooling fins integrated into the cover and designed with a very small surface exposed to wind.

**Optics:** made of PMMA with high temperature resistance and UV rays.

**Diffuser:** tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

**Coating:** the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

**Standard supply:** automatic temperature control inside the device with automatic resetting (except for versions with separate gear box).

 Electronic safety device to protect the LED module and the related ballast compliant with EN 61547.

It works in two modes:  
 - differential mode: surge between power cables and between the phase and neutral.  
 - common mode: surge between power, L/N and ground cables or between the fixture's body if it is of class II and installed on a metal pole.

**On request:** protection up to 10KV.

**OTHER CHARACTERISTICS**

**LED:** Power factor  $\geq 0.95$ .

Luminous flux maintenance		
90%	100.000h (L90B10)	12-16-24-28 LED
90%	80.000h (L90B10)	32-36 LED

Luminous flux maintenance Astro HP-HE		
90%	50.000h (L90B10)	36-60-72 LED



Complete with mounting bracket and graduated scale goniometer which allows for accurate pointing. The fixture is equipped with anti-condensation valve for air recirculation and IP68 connector for line connection with **no need to open the fixture.**

The heat dissipation system was designed and manufactured to allow LED operation at adequate temperatures and guarantee excellent performance/efficiency and long life.

**OTHER INFORMATION**



Product with a very low flicker; uniform light for greater eye protection.



**ATEX** version: fixtures can be installed outdoors or indoors, in industrial areas, cantilever roofs, environments at risk of fire, and in any other premise compatibly with the fumes and atmospheric or chemical agents which affect the use of plastic materials: check compatibility with corrosive agents.

**UPON REQUEST**



Possibility of centralized lighting point control or via **external** presence/lighting sensors (see chapter *Lighting management systems and recommendations*).



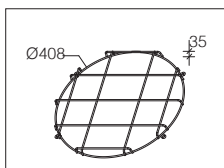
Coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments



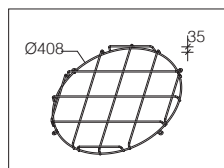
Available version with **LED 5700K - CRI 90** with subcode **-0034**.



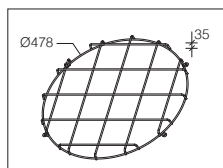
**ACCESSORIES**



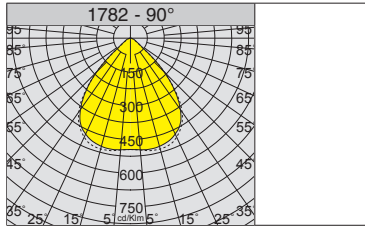
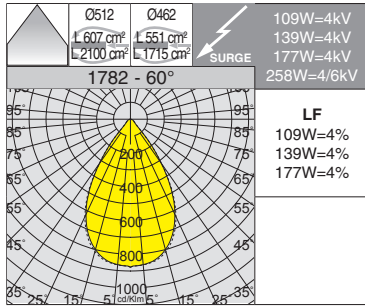
**acc. 24**  
**protection guard**  
995776-00  
Graphite plastic-coated steel rod protection guard. Screw mounting. For Astro 12 LED.



**acc. 24**  
**protection guard**  
995773-00  
Graphite plastic-coated steel rod protection guard. Screw mounting. For Astro 16-24 LED and HP/HE 36-60 LED.



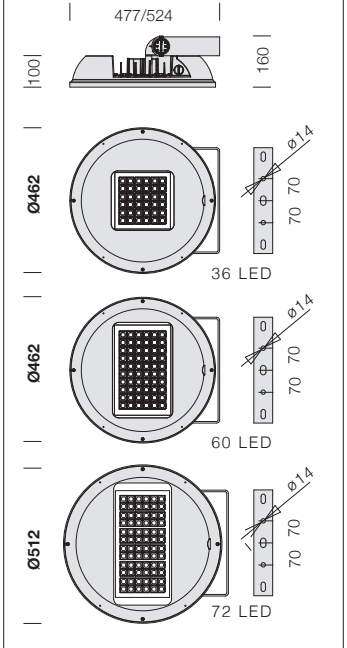
**acc. 24**  
**protection guard**  
995771-00  
Graphite plastic-coated steel rod protection guard. Screw mounting. For Astro 28-32-36 and HP/HE 72 LED.



50.000h  
L90B10  
HP

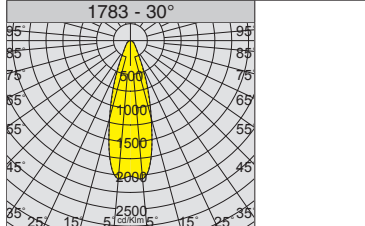
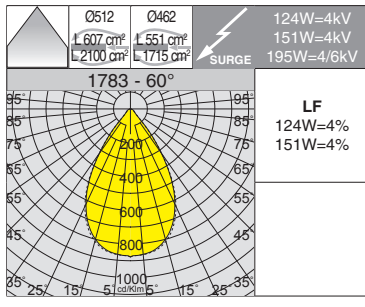


IP66IK08



LED: Luminous flux maintenance 90%: 50.000h (L90B10). Power factor ≥0.95.

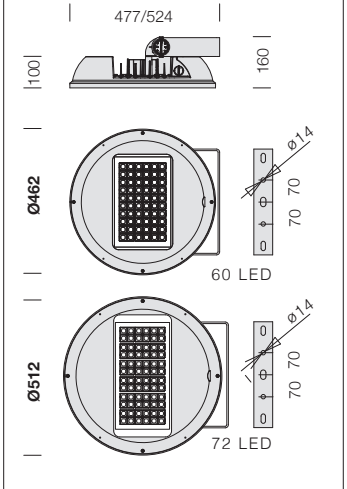
1782 Astro HP - high performance						
wattage	colour	weight	Ø	CLD	W tot	LUMEN OUTPUT (tq= 25 °C)
				code		K - ølm - CRI - degrees
LED	graphite	13.80	462	320000-00	109	4000K - 15131lm - CRI 80 - 60°
				320001-00	139	4000K - 17816lm - CRI 80 - 60°
				320002-00	177	4000K - 23236lm - CRI 80 - 60°
LED	graphite	14.00	512	320003-00	258	4000K - 34987lm - CRI 80 - 60°
LED	graphite	14.00	512	320004-00	258	4000K - 33295lm - CRI 80 - 30°
				320005-00		4000K - 34601lm - CRI 80 - 90°



50.000h  
L90B10  
HE



IP66IK08



LED: Luminous flux maintenance 90%: 50.000h (L90B10). Power factor ≥0.95.

1783 Astro HE - high efficiency						
wattage	colour	weight	Ø	CLD	W tot	LUMEN OUTPUT (tq= 25 °C)
				code		K - ølm - CRI - degrees
LED	graphite	13.80	462	320010-00	124	4000K - 18135lm - CRI 80 - 60°
				320011-00	151	4000K - 22236lm - CRI 80 - 60°
LED	graphite	14.00	512	320012-00	195	4000K - 27488lm - CRI 80 - 60°
LED	graphite	14.00	512	320014-00	195	4000K - 26159lm - CRI 80 - 30°
				320015-00		4000K - 27195lm - CRI 80 - 90°

IP66IK08

477/524

100 | 160 |

Ø462

12 LED

Ø462

16 LED

Ø462

24 LED

Ø512

28 LED

70 70 70 70 70 70

Ø14

100.000h  
L90B10



101W=6/8kV  
137W=6/8kV  
202W=6/8kV  
235W=6/8kV

Ø462 L 551 cm²  
Ø512 L 607 cm²  
L 1715 cm² L 2100 cm²

1785 - 60°

LF  
101W=4%  
137W=<1%  
202W=4%  
235W=<1%

cd/klm



**1785 Astro - symmetric 60°**

wattage (700mA)	colour	weight	Ø	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code	K - ølm 700mA - CRI - degrees			
LED	grey	12.25	462	330059-00	101	4000K - 11068lm - CRI 70 - 60°		
	graphite			330058-00				
LED	grey	12.25	462	330054-00	137	4000K - 14758lm - CRI 70 - 60°		
	graphite			330055-00				
LED	grey	13.80	462	330050-00	202	4000K - 23244lm - CRI 70 - 60°		
	graphite			330052-00				
LED	grey	14.00	512	330051-00	235	4000K - 26357lm - CRI 70 - 60°		
	graphite			330053-00				

- RG0
- Ethr
- +40 C -30
- UV
- 90°
- 180°
- LOW FLICKER

IP66IK08

170 |

Ø512

Ø14 170 70

100.000h  
L90B10



381W=4/6kV

Ø512 L 854 cm²  
L 2100 cm²

1785 - 60°

LF  
381W=8%

cd/klm



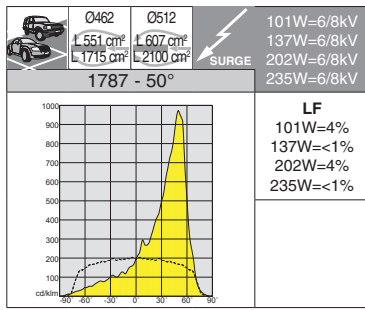
Upon request: orientable bracket

**1785 Astro - symmetric 60°**

wattage (1050mA)	colour	weight	Ø	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code	K - ølm 1050mA - CRI - degrees			
LED	grey	17.20	512	330056-00	381	4000K - 37259lm - CRI 70 - 60°		
	graphite			330057-00				

Version with separate gear box.

- RG0
- Ethr
- +30 C -30
- UV
- 90°
- 180°
- LOW FLICKER



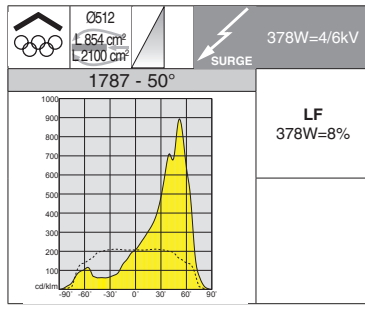
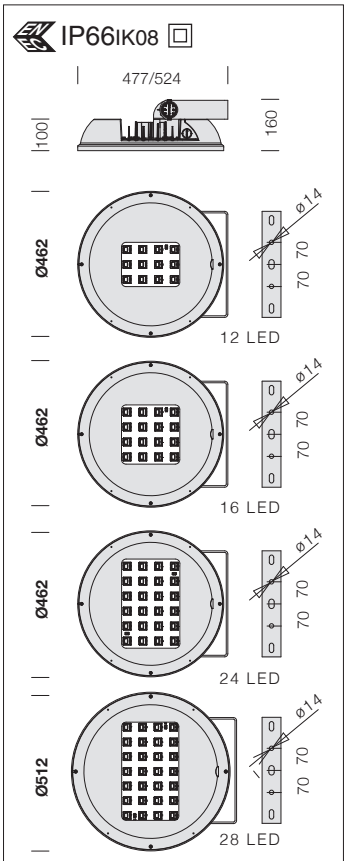
**LF**  
 101W=4%  
 137W=<1%  
 202W=4%  
 235W=<1%

**100.000h**  
 L90B10



**Upon request: (subcode -0034)**  
 LED 5700K - CRI 90

1787 Astro - asymmetric 50°						
wattage (700mA)	colour	weight	Ø	CLD		LUMEN OUTPUT (tq= 25 °C)
				code	W tot	K - ølm 700mA - CRI - degrees
LED	grey	12.25	462	330079-00	101	4000K - 9732lm - CRI 70 - 50°
	graphite			330078-00		
LED	grey	12.25	462	330074-00	137	4000K - 12976lm - CRI 70 - 50°
	graphite			330075-00		
LED	grey	13.80	462	330070-00	202	4000K - 20438lm - CRI 70 - 50°
	graphite			330072-00		
LED	grey	14.00	512	330071-00	235	4000K - 25953lm - CRI 70 - 50°
	graphite			330073-00		



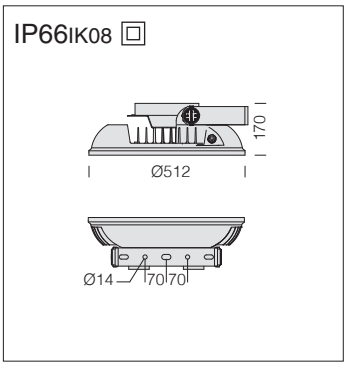
**LF**  
 378W=8%

**100.000h**  
 L90B10



**Upon request: (subcode -0034)**  
 LED 5700K - CRI 90

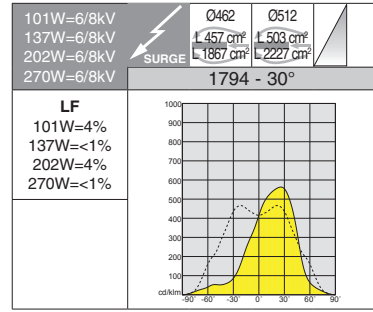
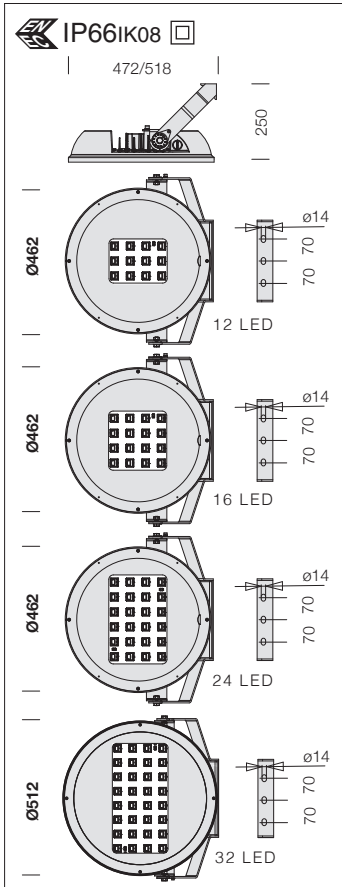
1787 Astro - asymmetric 50°						
wattage (1050mA)	colour	weight	Ø	CLD		LUMEN OUTPUT (tq= 25 °C)
				code	W tot	K - ølm 1050mA - CRI - degrees
LED	grey	17.20	512	330076-00	378	4000K - 36000lm - CRI 70 - 50°
	graphite			330077-00		



**LED:** Luminous flux maintenance 90%: 100.000h (L90B10).  
 Power factor ≥0.95.



**Upon request:** orientable bracket

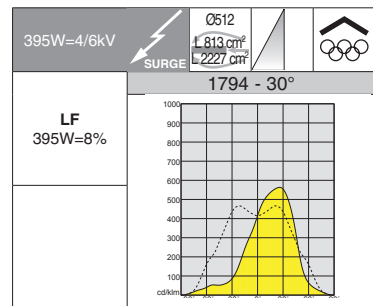
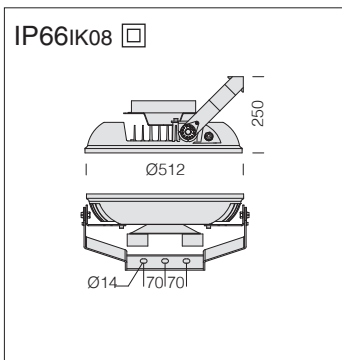


Upon request: (subcode -0034)  
LED 5700K - CRI 90

1794 Astro - asymmetric 30°						
		CLD			LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	Ø	code	W tot	K - ølm 700mA - CRI - degrees
LED	grey	13.70	462	330129-00	101	4000K - 9150lm - CRI 70 - 30°
	graphite			330128-00		
LED	grey	13.70	462	330124-00	137	4000K - 12101lm - CRI 70 - 30°
	graphite			330125-00		
LED	grey	14.90	462	330120-00	202	4000K - 18152lm - CRI 70 - 30°
	graphite			330122-00		
LED *	grey	15.10	512	330121-00	270	4000K - 24203lm - CRI 70 - 30°
	graphite			330123-00		

\* 32 LED version with luminous flux maintenance 90%: 80.000h (L90B10).

- RG0 Etrr
- +40°C -30°C
- U.V.
- 90°
- 180°
- LOW FLICKER



Upon request: (subcode -0034)  
LED 5700K - CRI 90

1794 Astro - asymmetric 30°						
		CLD			LUMEN OUTPUT (tq= 25 °C)	
wattage (900mA)	colour	weight	Ø	code	W tot	K - ølm 900mA - CRI - degrees
LED	grey	18.10	512	330126-00	395	4000K - 29493lm - CRI 70 - 30°
	graphite			330127-00		

Version with separate gear box.

- RG0 Etrr
- +30°C -30°C
- U.V.
- 90°
- 180°
- LOW FLICKER