

 **FAEBER**
LIGHTING SYSTEM

BROCHURE LINEA MOON PER ILLUMINAZIONE STRADALE
MOON LINE BROCHURE FOR STREET LIGHTING

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MOON



La famiglia MOON comprende quattro apparecchi illuminanti studiati per l'illuminazione di tutti i vari aspetti del contesto stradale.

L'esperienza costruita in anni di lavoro e progettazione in tema di illuminazione stradale ha permesso di sintetizzare una serie di prodotti pensati per soddisfare i requisiti illuminotecnici più esigenti, per assicurare operazioni di installazione e manutenzione rapidi, assicurando al contempo una lunga vita dei prodotti.

La varietà di potenze e ottiche assicura alla serie MOON massima flessibilità, la quale viene ulteriormente amplificata dalla possibilità di connettere i singoli apparecchi alla rete di telegestione.

La serie MOON non è solo flessibilità e versatilità di installazione in contesti molto diversi, ma significa anche possibilità di adeguare il funzionamento dei singoli apparecchi alle continue modificazioni dell'ambiente.

MOON series comprehends four luminaires conceived for the illumination of all the different aspects of the street context.

The experience accumulated in years of work and design focused on street lighting allowed to synthesize a product series thought to satisfy the most demanding lighting requirements, in order to ensure fast installation and maintenance operations, ensuring a long products' life.

The power and optics variety ensures the MOON series maximum flexibility, that is amplified by the possibility to connect the single luminaires to the remote control net.

The MOON series isn't just flexibility and versatility for the installation in much different contexts, but it also means possibility to adjust the functioning of the single luminaires to the continuous modifications of the environment.



Moon s

Moon m

Moon l

Moon xl

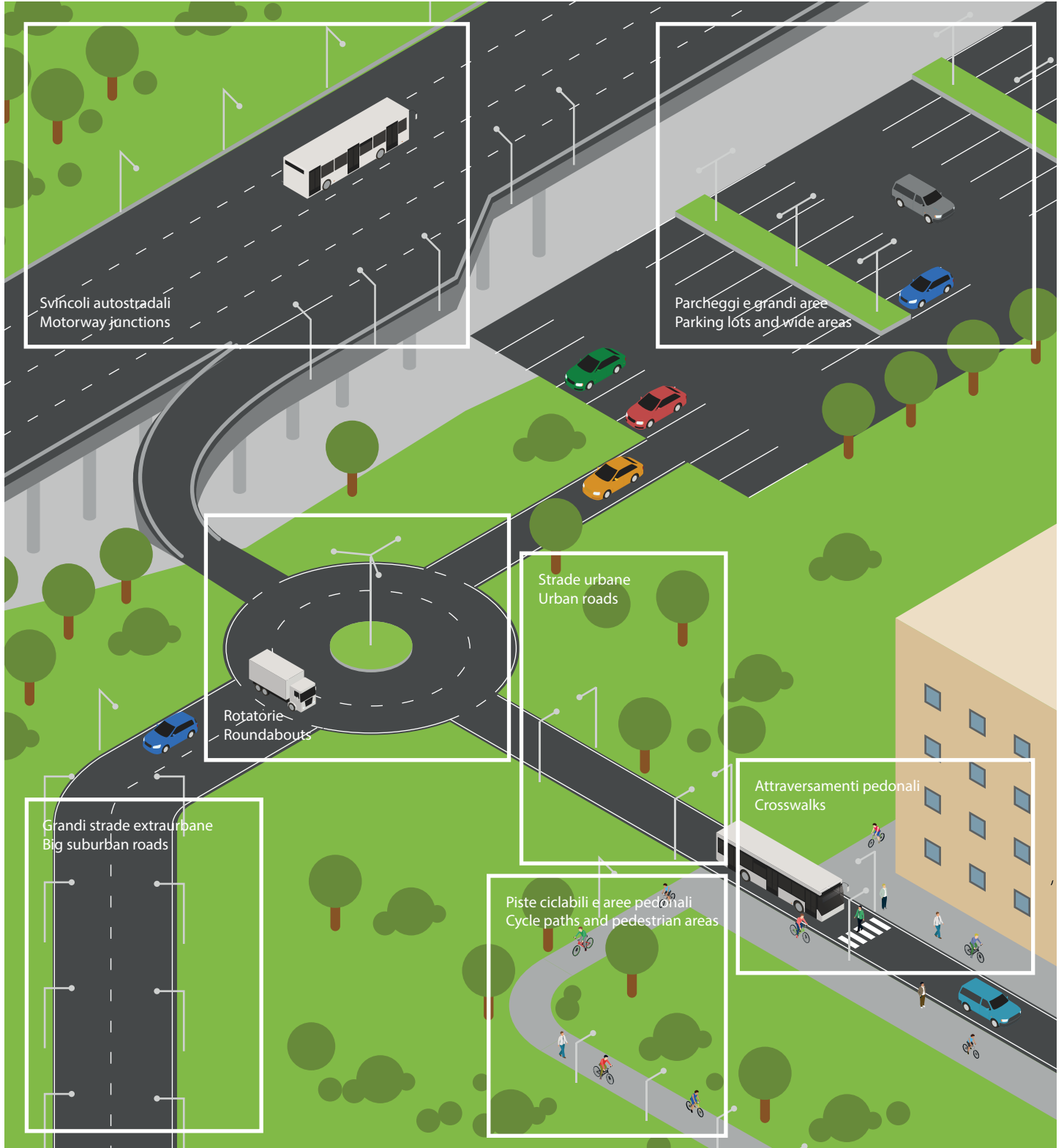
CONTESTI DI UTILIZZO - CONTEXTS OF USE

La serie MOON è concepita per tutti quei contesti stradali in cui è richiesta un'illuminazione efficiente.

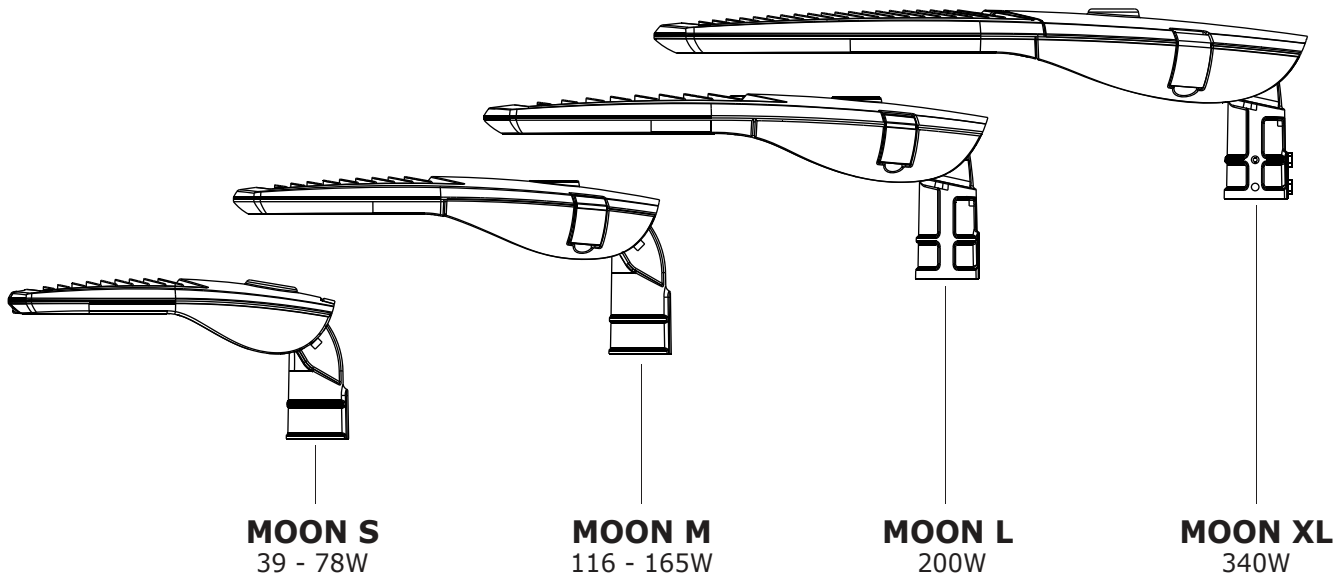
I quattro prodotti della serie hanno potenze e possibilità illuminotecniche complementari, il che consente di coprire l'intero spettro delle possibilità: dai passaggi pedonali alle vie cittadine interne, per arrivare alle grandi arterie periferiche alle città, con annessi raccordi e punti di sosta.

MOON series is conceived for all those street contexts where an efficient illumination is required.

The four products of the series have complementary power and lighting possibilities, that allows to cover the entire spectrum of possibilities: from crosswalks to inner urban streets, up to big peripheral highways, along with street joints and staging points.



CARATTERISTICHE COMUNI - COMMON CHARACTERISTICS



**Corpo dell'apparecchio
Luminaire's body**

Materiale: alluminio pressofuso verniciato a polveri di poliestere
Material: die cast aluminium varnished with polyester powders

Colore/color: RAL9006

Apertura senza attrezzi/ Opening without tools

Livella di precisione integrata/ Integrated precision spirit level

**Schermo
Screen**

Vetro temprato extrachiario sp.4mm/ Extraclear tempered glass 4mm thick

Guarnizione in silicone/ Silicone gasket

**Ingresso alimentazione
Power supply input**

Pressacavo IP68 adatti per cavi da Ø8÷13/ IP68 cable glands suitable for cables from Ø8÷13

Sezionatore di protezione adatto per cavi fino a 2,5mm²/ Protection disconnecter suitable for cables up to 2,5mm²

**Alimentazione
Power supply**

Componenti elettrici smontabili senza attrezzi/ Electrical components removable without tools

Apparecchi dimmerabili/ Dimmerable luminaires

Alimentatore in doppio isolamento, protetto corto circuiti e sovratensioni
Double insulation driver, protected against short circuits and overvoltages

220÷240V / 50-60Hz / cos φ 0.95

Classe di isolamento standard: CL.II (opzionale CL.I) / Standard insulation class: CL.II (optional CL.I)

**Moduli LED
LED modules**

Moduli LED con 12 chip multi-die - LED modules with multi-die 12 chip

185lm/W @ 640mA 25°C

Vita utile / Lifetime >100.000h L90B10 - TM-21 Projection

Ottica in PMMA stabilizzato - Optics in stabilized PMMA

Illuminazione Multi-layer - Multi-layer illumination

CCT 3000-4000K CRI70 (altri CCT o CRI80 a richiesta/ other CCT or CRI80 upon request)

Gruppo di rischio fotobiologico secondo EN62471: ESENTE (RGO)/Photobiological risk group according to

EN62471: EXEMPT (RGO)

**Protezione contro le
sovratensioni
Overvoltage protection**

6-10 kV CM-DM standard CL.II

10-10 kV CM-DM in CL.I con SPD (Opzionale)/ 10-10 kV CM-DM in CL.I with SPD (Optional)

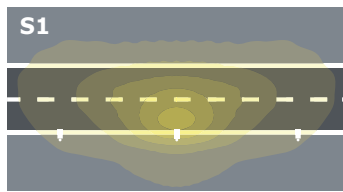
**Norme di riferimento
Reference standard**

EN 60598-1
EN 60598-2-3
EN 62471
EN 62031

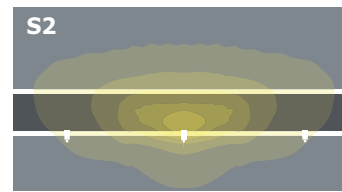
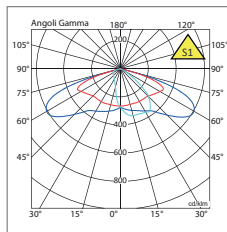
EN 55015
EN 61547
EN 61000-3-2
EN 61000-3-3

Soluzioni di dimmerazione
Dimming solutions

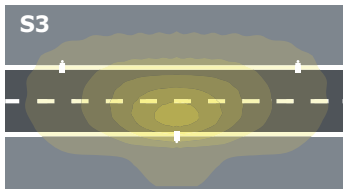
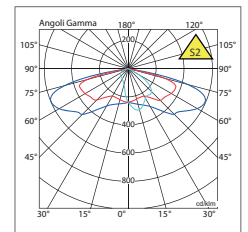
- DIM** Con alimentatore programmabile con possibilità di settaggio della funzione *Cronotimer*, che consente all'apparecchio illuminante di ridurre automaticamente la potenza e quindi il flusso in determinate ore del giorno, e della funzione *CLO (Constant Lumen Output)*, che consente di compensare la progressiva perdita di flusso dei LED aumentando la corrente di pilotaggio.
With programmable driver, with possibility to set the Cronotimer function, that allows the luminaire to automatically reduce power and so light flux in determined hours of the day, and the CLO function (Constant Lumen Output), that permits to compensate the progressive flux loss of the LEDs increasing the input current.
- DA** Per funzionamento con sistemi di dimmerazione con protocollo DALI
For operation with dimming systems that use DALI protocol
- TR** Con presa Zhaga Book 18 e alimentatore D4i
With Zhaga Book 18 socket and D4i driver
- N7** Con presa Nema a 7pin Ansi C136.41 e alimentatore DALI
With 7pin Nema socket Ansi C136.41 and DALI driver
- OC** Con integrato modulo di telegestione a Onde Convogliate (solo per M, L, XL)
With remote control integrated module with Conveyed Waves (only for M, L, XL)
- OR** Con integrato modulo di telegestione a Onde Radio (solo per M, L, XL)
With remote control integrated module with Radio Waves (only for M, L, XL)



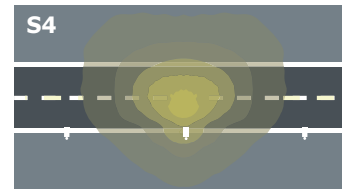
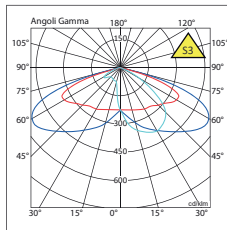
S1
Per strade piccole, su fila singola
For one row small streets



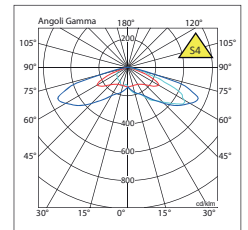
S2
Per strade piccole, su fila singola
For one row small streets



S3
Per strade larghe, disposizione a quinconce/
For wide streets, quinconce layout



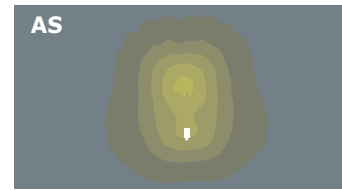
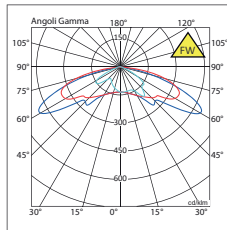
S4
Per strade larghe, su fila singola
For wide streets, one row layout



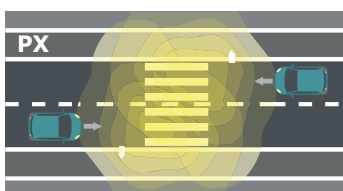
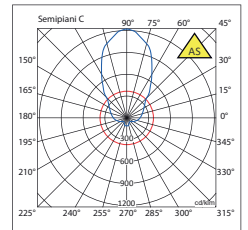
Ottiche
Optics



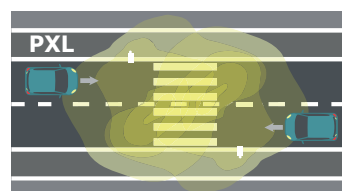
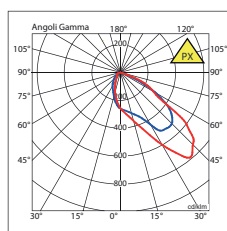
FW
Per aree, incroci e rotonde
For areas, crossings and roundabouts



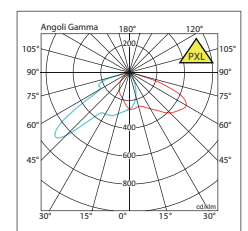
AS
Per grandi aree
For wide areas



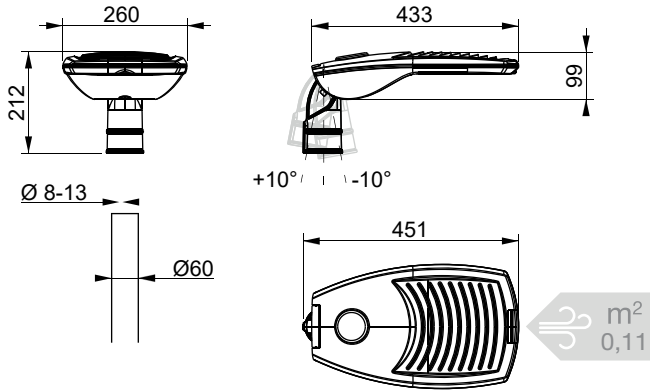
PX
Per attraversamenti pedonali con guida a DX /
Crosswalks with right-hand drive



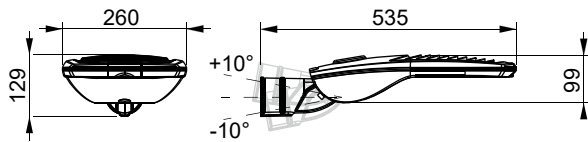
PXL
Per attraversamenti pedonali con guida a SX /
Crosswalks with left-hand drive



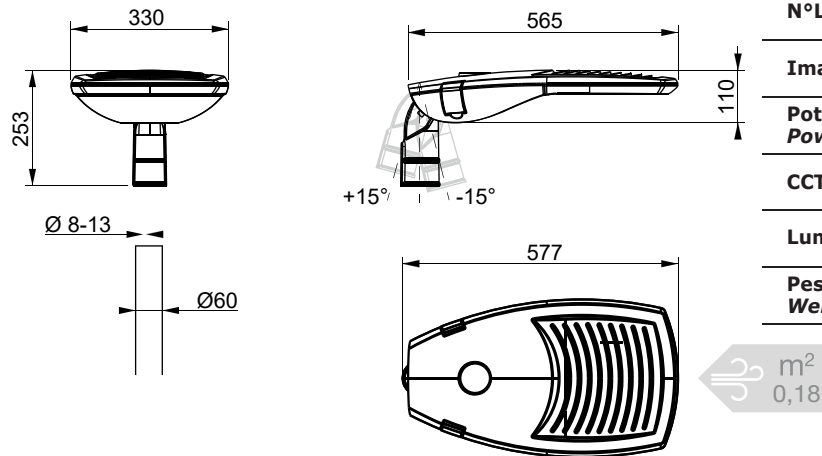
MOON S



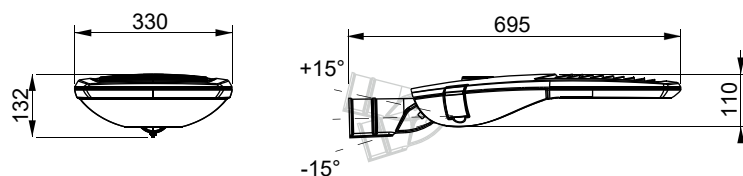
N°LED	12	24
I_{max}	500 mA	500mA
Potenza MAX Power MAX	39W	78W
CCT	3000-4000K	3000-4000K
Lumen out 4000K MAX	5700	11350
Pesi Weights	4,3 Kg	4,3 Kg



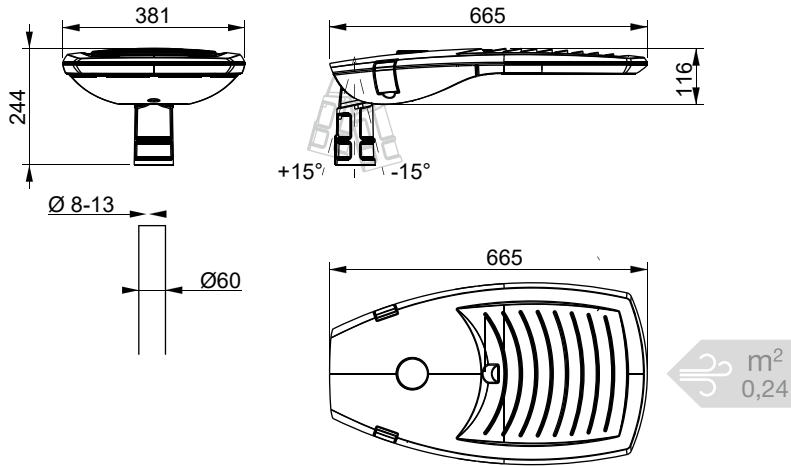
MOON M



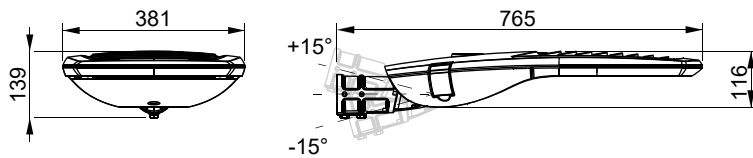
N°LED	36	48
I_{max}	500 mA	500mA
Potenza MAX Power MAX	116W	155W
CCT	3000-4000K	3000-4000K
Lumen out 4000K MAX	17050	22700
Pesi Weights	6,7 Kg	6,7 Kg



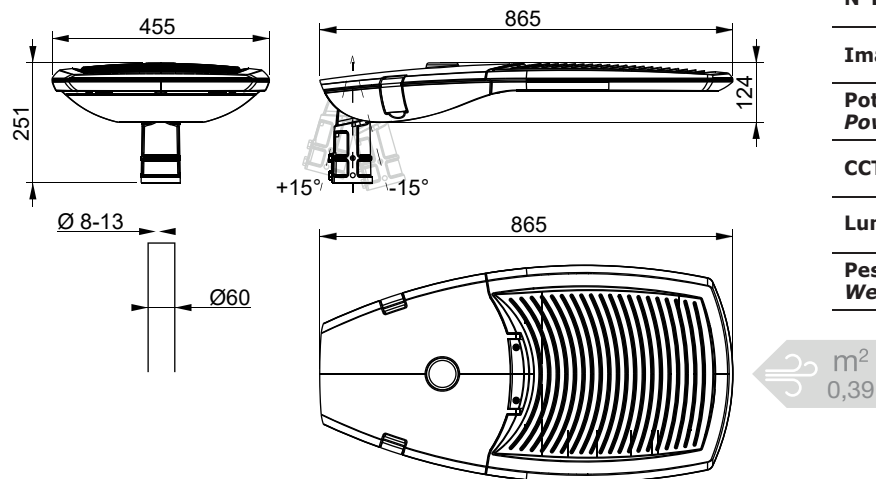
MOON L



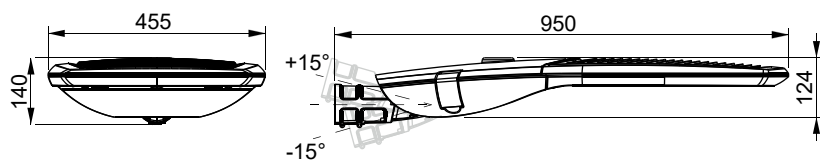
N°LED	60
Imax	525mA
Potenza MAX Power MAX	200W
CCT	3000-4000K
Lumen out 4000K MAX	29700
Pesi Weights	8,1 Kg



MOON XL

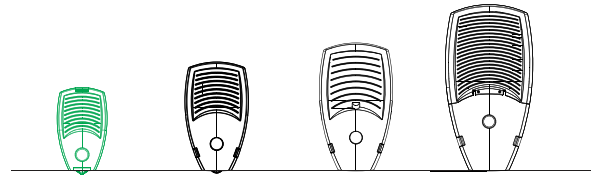


N°LED	100
Imax	525 mA
Potenza MAX Power MAX	340W
CCT	3000-4000K
Lumen out 4000K MAX	49500
Peso Weight	14,85 Kg



MOON S

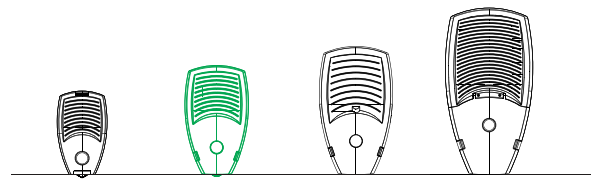
PERFORMANCE - PERFORMANCES



N. LED	mA	Watt	3000K LED Lumen	3000K Lm output S1-S2-S3 AS-PX-PXL	3000K Lm output S4-FW	4000K LED Lumen	4000K Lm output S1-S2-S3 AS-PX-PXL	4000K Lm output S4-FW
12	200	14.2	2600	2350	2200	2750	2500	2350
	350	25.7	4350	3900	3700	4600	4150	3900
	500	37.8	5950	5350	5050	6300	5700	5350
24	200	28.3	5200	4700	4400	5500	4950	4700
	350	51.4	8700	7850	7400	9200	8300	7850
	500	75.5	11950	10750	10150	12600	11350	10750

MOON M

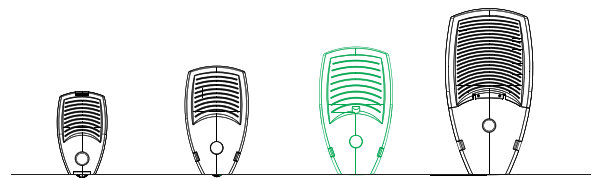
PERFORMANCE - PERFORMANCES



N. LED	mA	Watt	3000K LED Lumen	3000K Lm output S1-S2-S3 AS-PX-PXL	3000K Lm output S4-FW	4000K LED Lumen	4000K Lm output S1-S2-S3 AS-PX-PXL	4000K Lm output S4-FW
36	200	42.5	7800	7000	6650	8250	7450	7000
	350	77.1	13100	11750	11100	13850	12450	11750
	500	113.3	17900	16100	15200	18950	17050	16100
48	200	56.7	10400	9350	8850	11000	9900	9350
	350	102.8	17450	15700	14800	18450	16600	15700
	500	151.1	23850	21450	20300	25250	22700	21450

MOON L

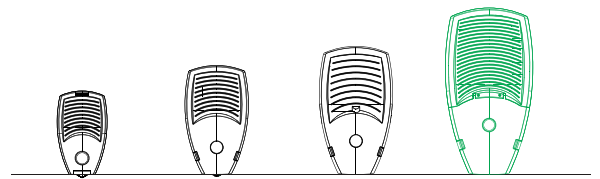
PERFORMANCE - PERFORMANCES



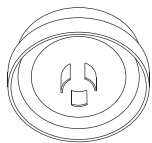
N. LED	mA	Watt	3000K LED Lumen	3000K Lm output S1-S2-S3 AS-PX-PXL	3000K Lm output S4-FW	4000K LED Lumen	4000K Lm output S1-S2-S3 AS-PX-PXL	4000K Lm output S4-FW
60	200	70.8	13000	11700	11050	13750	12400	11700
	350	128.5	21800	19600	18550	23050	20750	19600
	525	199.2	31200	28050	26500	33000	29700	28050

MOON XL

PERFORMANCE - PERFORMANCES

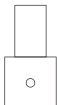


N. LED	mA	Watt	3000K LED Lumen	3000K Lm output S1-S2-S3 AS-PX-PXL	3000K Lm output S4-FW	4000K LED Lumen	4000K Lm output S1-S2-S3 AS-PX-PXL	4000K Lm output S4-FW
100	200	118.1	21650	19500	18400	22900	20650	19500
	350	214.2	36350	32700	30900	38450	34600	32650
	525	332.0	51950	46750	44150	54950	49500	46750



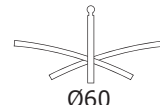
Tappo NemaSocket con corto circuito
NemaSocket lid with shorting

Ø60



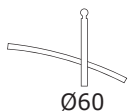
Ø89

Riduzione cima palo
Reduction top pole



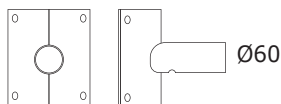
Ø60

Sbraccio 2 vie
Side pole 2 ways



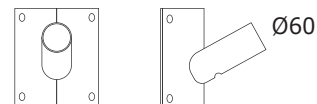
Ø60

Sbraccio 1 via
Side pole 1 way



Ø60

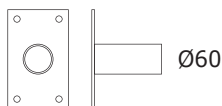
Raccordo parete ad angolo
Angled wall fitting



Ø60

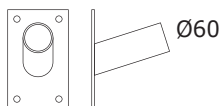
Raccordo inclinato per parete ad angolo
Angled wall inclined fitting

Accessori
Accessories



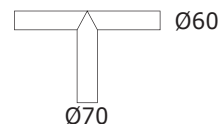
Ø60

Raccordo piatto a parete
Wall flat fitting



Ø60

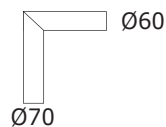
Raccordo piatto a parete inclinato
Wall flat fitting angle inclined



Ø60

Ø70

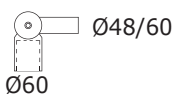
Raccordo doppio palo
Double pole joint



Ø60

Ø70

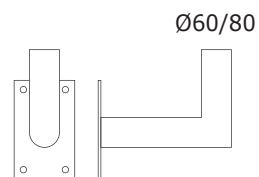
Raccordo palo singolo
Single pole joint



Ø48/60

Ø60

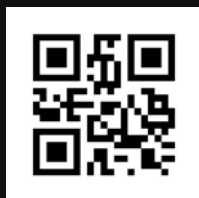
Attacco palo snodato
Joint pole connection



Ø60/80

Raccordo piatto a parete verticale
Vertical flat wall joint

www.faeber.com



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