

*BROCHURE LINEA RHEA PER ILLUMINAZIONE URBANA  
RHEA LINE BROCHURE FOR URBAN LIGHTING*

 **FAEBER**  
LIGHTING SYSTEM



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# RHEA



RHEA è una famiglia di apparecchi di illuminazione destinati all'illuminazione urbana.

Sono disponibili 5 versioni che si differenziano per il modo di fissaggio. Testa palo a una o due chele, sbraccio, sospensione o tesata.

Tutte utilizzano gli stessi componenti base e per tutte sono disponibili un'ampia scelta di ottiche e potenze al fine di massimizzare il confort visivo e il risparmio energetico in tutte le condizioni.

La soluzione TR incorpora un alimentatore D4i e un socket conforme al protocollo Zhaga Book 18 che permette il montaggio di nodi di telecontrollo intercambiabili e montabili anche in un secondo momento per una gestione puntuale ed intelligente.

Questi prodotti sono studiati per limitare al minimo la riflessione della luce verso l'alto ed evitare quindi il fenomeno di inquinamento luminoso.

La costruzione robusta e la possibilità di sostituzione dei componenti assicurano un funzionamento durevole ed affidabile nel tempo.

La riciclabilità dei principale componenti assieme senza l'uso di collanti e il risparmio energetico garantito dall'estrema efficacia dei moduli led rendono particolarmente eco compatibile col prodotto.

*RHEA is a family of lighting fixtures intended for urban lighting.*

*Five versions are available that differ in the way they are fixed. Single or double claw pole head, bracket, pendant or upright.*

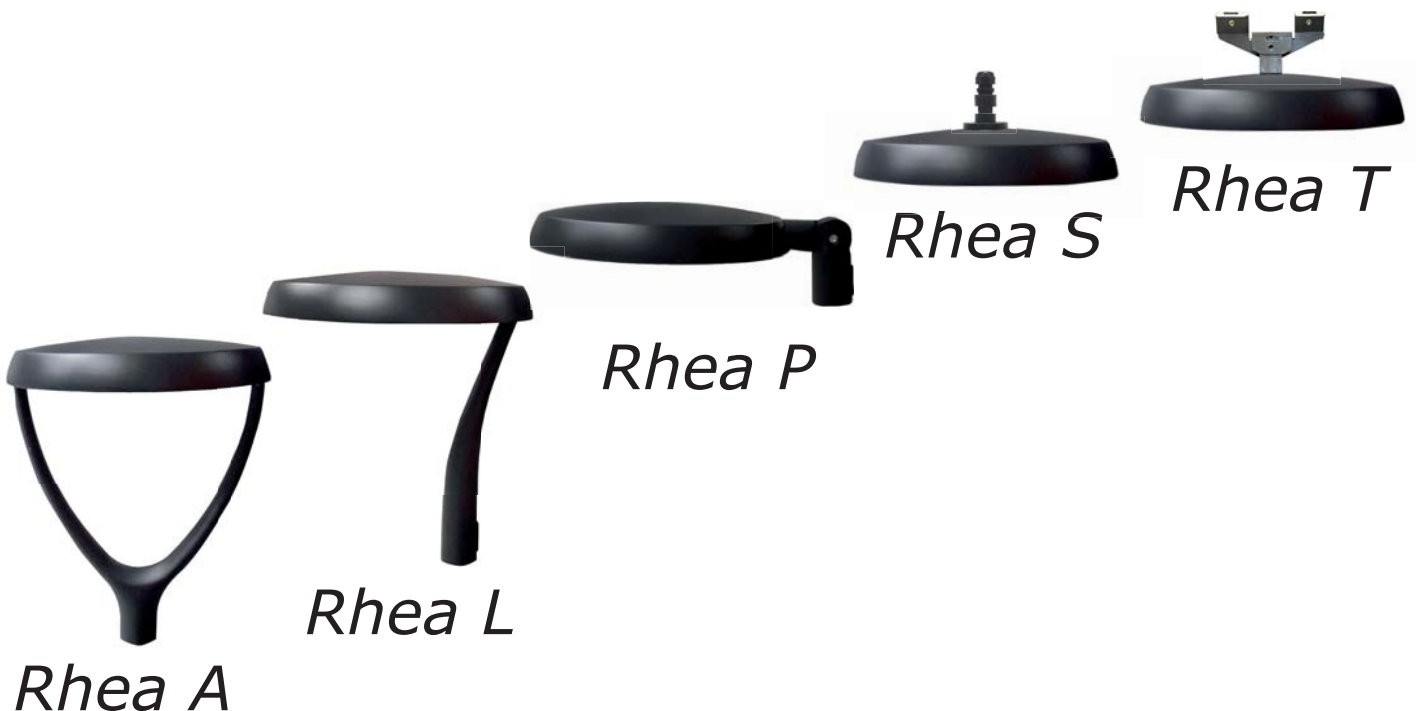
*All use the same basic components and a wide choice of optics and wattages are available for all to maximise visual comfort and energy savings in all conditions.*

*The TR solution incorporates a D4i power supply and a Zhaga Book 18 compliant socket that allows interchangeable and retrofittable remote control nodes for timely and intelligent management.*

*These products are designed to minimise upward light reflection and thus avoid light pollution.*

*The robust construction and replaceable components ensure long-lasting and reliable operation.*

*The recyclability of the main components assembled without the use of adhesives and the energy savings guaranteed by the extreme efficiency of the LED modules make the product particularly eco-friendly.*



## CONTESTI DI UTILIZZO - CONTEXTS OF USE

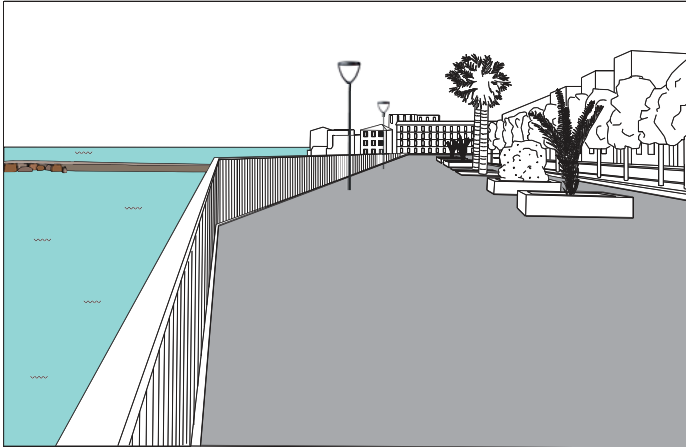
La serie RHEA è stata progettata per rispondere all'esigenza di illuminare zone residenziali, centri storici, parchi e piazze.

Rhea arreda le aree urbane creando habitat piacevoli che valorizzano ogni singolo spazio.

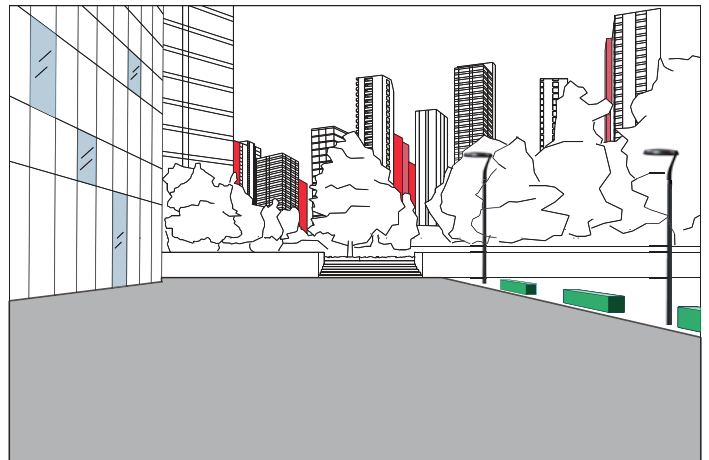
*The RHEA series is designed to meet the need to illuminate residential areas, city centers, parks and squares.*

*Rhea furnishes urban areas by creating pleasant habitats that enhance each individual space.*

R  
H  
E  
A  
A



R  
H  
E  
A  
L



R  
H  
E  
A  
P



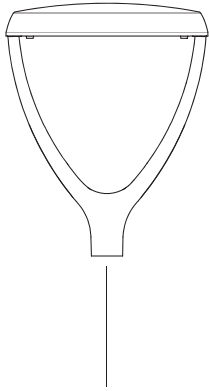
**R  
H  
E  
A  
S**



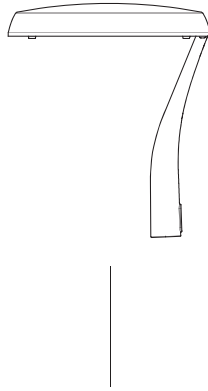
**R  
H  
E  
A  
T**



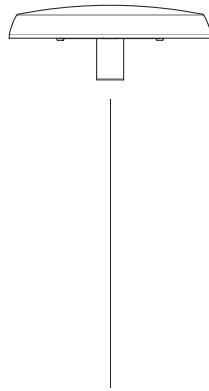
## CARATTERISTICHE COMUNI - COMMON CHARACTERISTICS



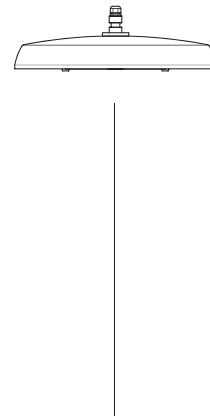
**RHEA A**  
38 - 75W



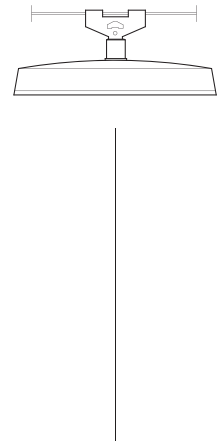
**RHEA L**  
38 - 75W



**RHEA P**  
38 - 75W



**RHEA S**  
38 - 75W



**RHEA S**  
38 - 75W

### Corpo dell'apparecchio Luminaire's body

Materiale: In lega di alluminio pressofuso verniciato con polveri di poliestere  
Material: In die-cast aluminum alloy with polyester powder coating

Colore: Standard nero RAL9005, disponibile a richiesta altri colori  
color: Standard black RAL9005, other colours available on request

Apertura vano ottico: Componenti tramite viti in acciaio inox  
Optical compartment: Components with stainless steel screw

Forma studiata per ridurre al minimo il peso e la superficie esposta al vento  
Shape designed to minimize weight and surface area exposed to the wind

Assenza di alette di raffreddamento esterne/ Absence of external cooling fins

### Schermo Screen

Vetro piano temperato sp.4mm / Flat tempered glass 4mm thick

### Ingresso alimentazione Power supply input

L'apparecchio è collegabile alla rete elettrica senza aprirlo tramite cavo uscente  
H07RN-F 2X1.5mm<sup>2</sup> (o 4X1.5mm<sup>2</sup> per soluzione DALI) L=500 mm e pressacavo M20 IP68  
The luminaire can be connected to the mains without opening it via an outgoing cable  
H07RN-F 2X1.5mm<sup>2</sup> (or 4X1.5mm<sup>2</sup> for DALI solution) L=500 mm and M20 IP68 cable gland

### Alimentazione Power supply

Alimentatore elettronico dimmerabile, D4i per la soluzione TR/ Dimmable electronic ballast, D4i for TR solution

Vita presunta dell'alimentatore 100.000h con tasso di guasto <10%/ Assumed power supply life 100.000h with failure rate <10%

Componenti elettrici montati su piastra rimovibile in acciaio zincato/Electrical components mounted on removable galvanised steel plate

Adatto per reti/ Suitable for 220-240V / 50-60Hz / cos φ 0.95

Classe di isolamento standard: cl. II , disponibile versione cl I/ Standard insulation class:cl. II, cl. I version available

### Moduli LED LED modules

I moduli LED sono costituiti da 12 chip multi-die di ultima generazione

Modules consist of 12 state-of-the-art multi-die chips

Dimensioni conformi a standard Zhaga/ Dimensions according to Zhaga standards

Efficienza/ Efficiency >170lm/W @ 640mA 25°C

Vita utile / Useful life >100.000h L90B10

Moduli lenti secondarie in PMMA stabilizzato anti UV, concetto di illuminazione Multi Layer ove ogni singola lente illumina tutto l'ambito CCT 3000-4000K CRI70 (altri CCT o CRI disponibili a richiesta)

UV-stabilised PMMA secondary lens modules, multi-layer illumination concept where each individual lens illuminates the entire CCT 3000-4000K CRI70 range (other CCTs or CRIs available on request)

Gruppo di rischio fotobiologico Esente secondo EN62471/Photobiological risk group Exempt according to EN62471

### Norme di riferimento Reference standard

EN 60598-1

EN 55015

EN 60598-2-3

EN 61000-3-2

EN 62471

EN 61000-3-3

EN 61547

- 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 power supply with the possibility of setting the Cronotimer function, witch allows the luminaire to automatically reduce the power and thus the flux at certain times of the day, and the CLO (Constant Lumen Output) fuction, witch allows the compensate for the progressive loss of LED flux by increasing the drive current*

**Soluzioni di dimmerazione**  
*Dimming solutions*

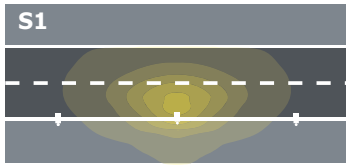
**DA** Per funzionamento con sistemi di dimmerazione con protocollo DALI

*For operation with DALI protocol dimming systems witch*

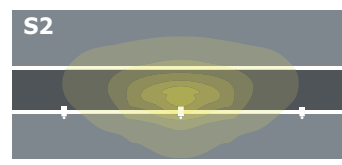
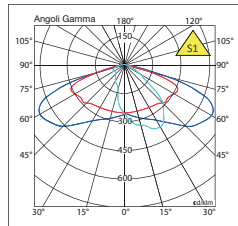
**TR** Con alimentatore D4i e socket Zhaga Book 18 idonei al montaggio di nodi di telecomando esterni

*With D4i power supply and Zhaga Book 18 socket suitable for mounting external remote control nodes*

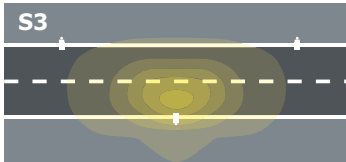
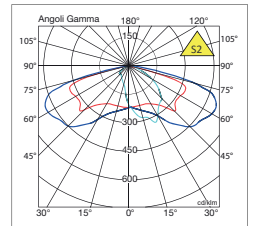
**Ottiche**  
*Optics*



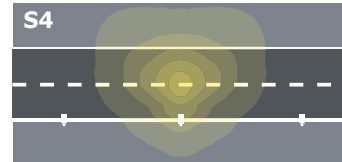
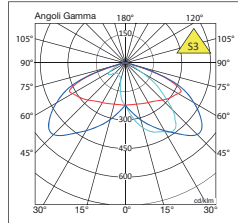
**S1**  
Per strade piccole, su fila singola  
*For one raw small streets*



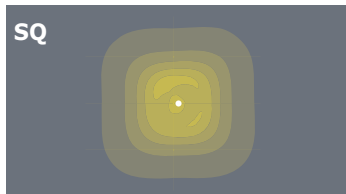
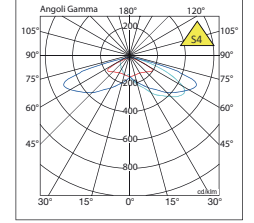
**S2**  
Per strade piccole, su fila singola  
*For one raw small streets*



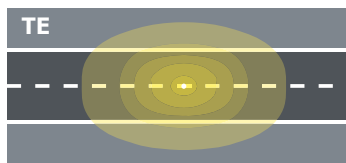
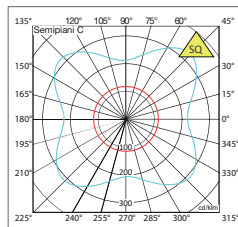
**S3**  
Per strade larghe, disposizione a quinconce/  
*For wide streets, quinconce layout*



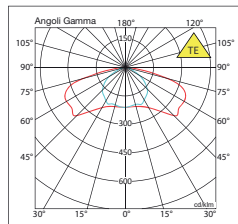
**S4**  
Per strade larghe, parchi e rotonde  
*For wide streets, park and rundabouts*



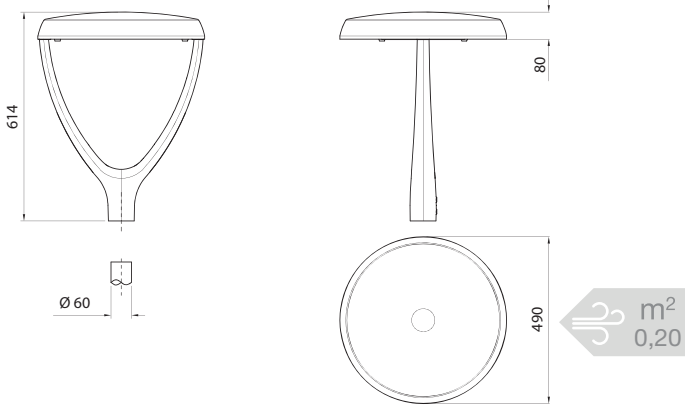
**SQ**  
Per piazze e parchi  
*For squares and parks*



**TE**  
Tesata  
*Cable suspension*

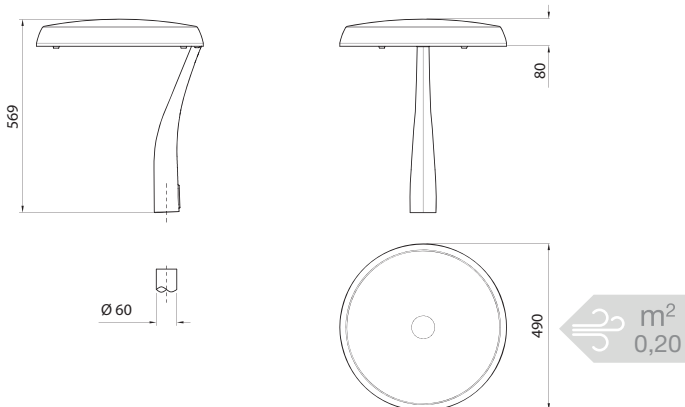


# RHEA A



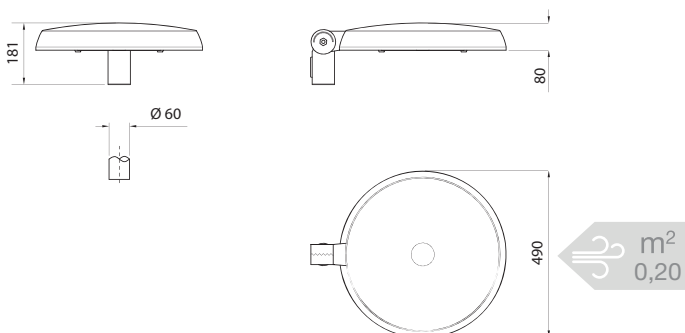
<b>N°LED</b>	12	24
<b>Imax</b>	500 mA	500mA
<b>Potenza MAX Power MAX</b>	38W	75W
<b>CCT</b>	3000-4000K	3000-4000K
<b>Lumen out 4000K</b>	5800	11600
<b>Pesi Weights</b>	11 Kg	11 Kg

# RHEA L



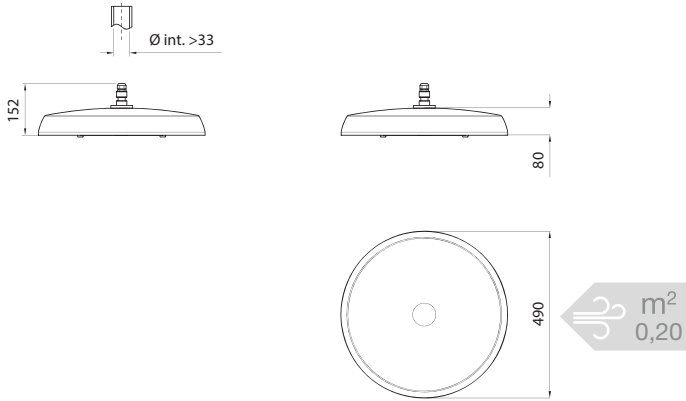
<b>N°LED</b>	12	24
<b>Imax</b>	500 mA	500mA
<b>Potenza MAX Power MAX</b>	38W	75W
<b>CCT</b>	3000-4000K	3000-4000K
<b>Lumen out 4000K</b>	5800	11600
<b>Pesi Weights</b>	8,4 Kg	8,4 Kg

# RHEA P



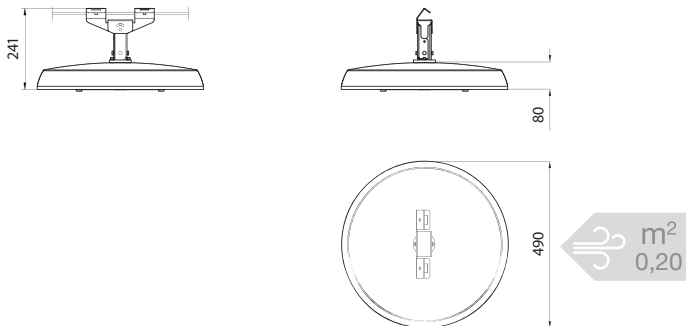
<b>N°LED</b>	12	24
<b>Imax</b>	500 mA	500mA
<b>Potenza MAX Power MAX</b>	38W	75W
<b>CCT</b>	3000-4000K	3000-4000K
<b>Lumen out 4000K</b>	5800	11600
<b>Pesi Weights</b>	7,7 Kg	7,7 Kg

# RHEA S



<b>N°LED</b>	12	24
<b>Imax</b>	500 mA	500mA
<b>Potenza MAX Power MAX</b>	38W	75W
<b>CCT</b>	3000-4000K	3000-4000K
<b>Lumen out 4000K</b>	5800	11600
<b>Pesi Weights</b>	6.5 Kg	6.5 Kg

# RHEA T

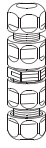


<b>N°LED</b>	12	24
<b>Imax</b>	500 mA	500mA
<b>Potenza MAX Power MAX</b>	38W	75W
<b>CCT</b>	3000-4000K	3000-4000K
<b>Lumen out 4000K</b>	5800	11600
<b>Pesi Weights</b>	6,8 Kg	6,8 Kg

## PERFORMANCE - PERFORMANCES

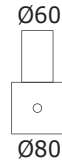
N. LED	mA	Watt	3000K LED Lumen	3000K LED Lm output	4000K LED Lumen	4000K LED Lm output
12	200	14.2	2600	2400	2750	2550
	350	25.7	4350	4000	4600	4250
	500	37.8	5950	5500	6300	5800
24	200	28.3	5200	4800	5500	5050
	350	51.4	8700	8000	9200	8500
	500	75.5	11950	11000	12600	11600





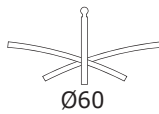
**Cod. 00005586**  
Connettore 2XM20  
2XM20 connector

\*Compatibile con RHEA A-L-P-S- e T  
Compatible with RHEA A-L-P-S- and T

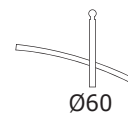


**Cod. 4310/A**  
Riduzione cima palo  
Reduction top pole

\*Compatibile con RHEA A-L e P  
Compatible with RHEA A-L and P



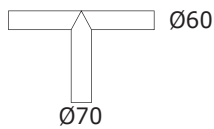
**Cod. 000004022**  
Sbraccio 2 vie  
Side pole 2 ways



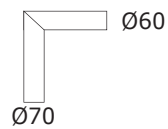
**Cod. 000004021**  
Sbraccio 1 via  
Side pole 1 way

\*Compatibile solo con RHEA P  
Compatible with RHEA P only

## Accessori Accessories

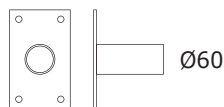


**Cod. 4312/0**  
Raccordo doppio palo  
Double pole joint

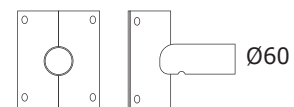


**Cod. 4311/0**  
Raccordo palo singolo  
Single pole joint

\*Compatibile solo con RHEA P  
Compatible with RHEA P only

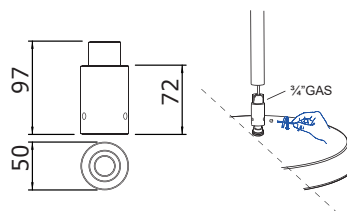


**Cod. 000004040**  
Raccordo piatto a parete  
Wall flat fitting



**Cod. 000004041**  
Raccordo parete ad angolo  
Angled wall fitting

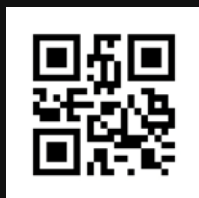
\*Compatibile solo con RHEA P  
Compatible with RHEA P only



**Cod. 000004164**  
Cilindro sosp.-attacco 3/4" gas  
Susp. cylinder-3/4" gas connection

\*Compatibile solo con RHEA S  
Compatible with RHEA S only

[www.faeber.com](http://www.faeber.com)



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