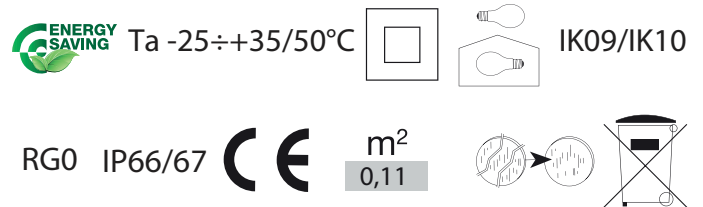




TEA



TEA

CORPO: Corpo in pressofusione di alluminio verniciatura con polveri di poliestere, colore standard grigio RAL9006, colori diversi nella gamma RAL su richiesta.

SCHERMO: Vetro temperato extrachiaro spessore 4 mm rimovibile.

GUARNIZIONI: Guarnizioni in silicone.

VITERIA ESTERNA: Viteria esterna in acciaio inox.

UNITÀ DI ALIMENTAZIONE: Componenti elettrici montati su piastra di fissaggio rimovibile. Disponibile con alimentatori dimmerabili previa programmazione del profilo.

Disponibile soluzione con presa per montaggio del telecomando punto punto ad onde radio conforme a Zhaga book 18 (TR) o Nema 7 pin (N7). Disponibile soluzione con nodo incorporato per telecomando ad onde radio e onde convogliate.

Vita presunta dell'alimentatore a $T_c = 100.000h$ (failure rate 0.1% /1000h). Alimentazione 220÷240V/50-60Hz $\cos \varphi$ 0.95. Classe di isolamento II, a richiesta disponibile cl. I

CONNESSIONE: Connessione di rete tramite spezzone di cavo H07RN-F 2X1.5 mm².

PROTEZIONI EXTRATENSIONI: Gli apparecchi standard in classe II sono equipaggiati con un TMOV aggiuntivo che garantisce una resistenza alle sovratensioni di modo differenziale fino a 10kV ed in modo comune fino a 6kV.

Disponibili a richiesta soluzioni in cl. I con SPD con grado di immunità maggiorato (10kV/10kA).

PROTEZIONE MECCANICA: IK10/IP67 soluzione DIM, OC, OR IK9/IP66 soluzione TR e N7.

BODY: Body and cover made of die-cast aluminium Painted with polyester powders, standard grey colour RAL9006, upon request different colours in the RAL range.

SCREEN: Removable extra clear tempered glass 4mm thickness.

GASKETS: Silicone gaskets.

OUTDOOR SCREWS: External stainless steel screws.

SUPPLY UNIT: Electrical components mounted on removable fixing plate. Available with dimmable drivers after profile setting. Available solution with socket for mounting of radio-wave point-to-point telecontrol complying with Zhaga book 18 (TR) or Nema 7 pin (N7). Solution available with built-in node for radio wave and power line (PCM) control. Expected life of the driver at $T_c = 100.000h$ (failure rate 0.1% /1000).

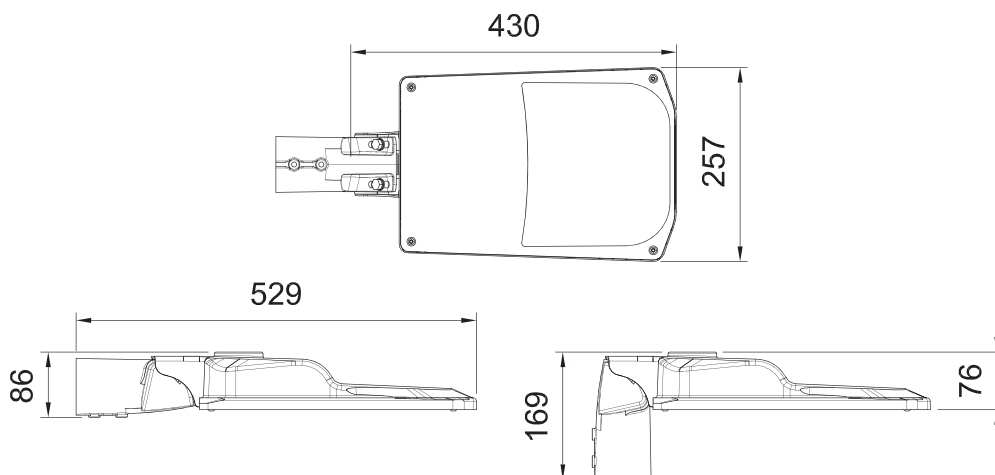
Supply voltage 220÷240V/50-60Hz $\cos \varphi$ 0.95. Insulation Class II, available upon request cl. I.

CONNECTION: Mains connection with H07RN-F 2X1.5 mm².

OVERVOLTAGE PROTECTION: Class II standard fittings are equipped with an additional TMOV that guarantees overvoltage protection in differential mode up to 10kV and in common mode up to 6kV. Available upon request solutions in Class I with SPD with increased immunity degree (10kV/10kA).

MECHANICAL PROTECTION: IK10/IP67 DIM, OC, OR solution IK9/IP66 and TR e N7 solution.

DIMENSIONI - DIMENSIONS

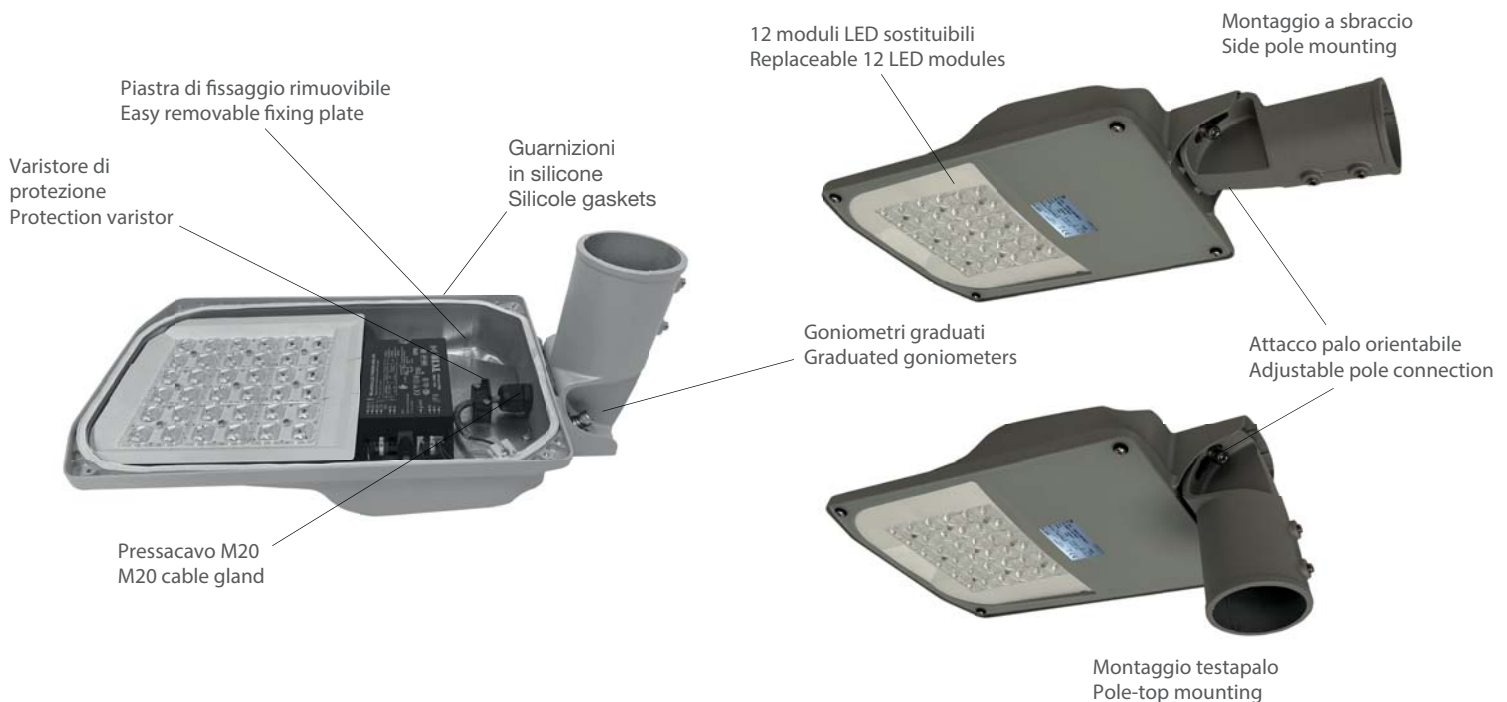


MODULI LED: Moduli LED costituiti da 12 chip multi/die ad alta potenza di ultima generazione. Elevata precisione delle caratteristiche cromatiche conformi ai bin ANSI a 85°C. Efficienza 185lm/W @640mA 25°C. Vita utile del led 100.000h L90B10 (TM-21 Projection). Ottica secondaria in PMMA stabilizzato. Concetto di illuminazione Multi-layer in cui ogni ottica illumina tutta la sede stradale in modo da garantire i parametri di uniformità anche in caso di spegnimento di qualche LED.

LED MODULES: LED modules consisting of 12 new generation multi/die, high power package chips. Hot/color targeting ensures color is with ANSI bin at 85°C. Efficiency 185lm/W @ 640mA 25°C. Useful life of the led 100.000h L90B10 (TM-21 Projection). Secondary optic made of stabilized PMMA. Multi-layer lighting concept in which each optic illuminates the entire road surface to ensure uniformity even when some LEDs are failed.

ATTACCO PALO: Costituito da un bicchiere in alluminio pressofuso verniciato con polveri di poliestere orientabile con step da 5° in modo da permettere il montaggio sia testapalo +/-15° che a sbraccio +20°/-10°. Adatto per pali di diametro 60 mm.

POLE CONNECTION: Adjustable goblet in painted die-cast aluminium with 5° steps in order to allow both pole-top mounting +/-15° and side pole mounting +20°/-10°. Suitable for 60 mm diameter poles.



▲ DATI IDENTIFICATIVI E PRESTAZIONI - IDENTIFICATION DATA AND PERFORMANCES

Codice iniziale Initial code	Nome Name	Watt	mA max	N. Led	Lm out	Kelvin	CRI	IP	CL	Col	Weight	App
000141223_	TEA 12LED 38W 3K CL2	37.8	500	12	5350	3000	75	66/67	II	RAL 9006 ■	3.10	
000141224_	TEA 12LED 38W 4k CL2	37.8	500	12	5700	4000	75	66/67	II	RAL 9006 ■	3.10	
000142423_	TEA 24LED 76W 3k CL2	75.5	500	24	10750	3000	75	66/67	II	RAL 9006 ■	3.10	
000142424_	TEA 24LED 76W 4k CL2	75.5	500	24	11350	4000	75	66/67	II	RAL 9006 ■	3.10	
000143623_	TEA 36LED 103W 3k CL2	101.2	450	36	14650	3000	75	66/67	II	RAL 9006 ■	3.10	⁽¹⁾
000143624_	TEA 36LED 103W 4k CL2	101.2	450	36	15500	4000	75	66/67	II	RAL 9006 ■	3.10	⁽¹⁾

Come comporre il codice prodotto (rispettare la sequenza): **Codice iniziale (▲) Codice finale (●) Dimmerazione (■)**
 How to compose the product code (respect the sequence): **Initial code (▲) Last number (●) Dimming profile (■)**

PERFORMANCE - PERFORMANCES

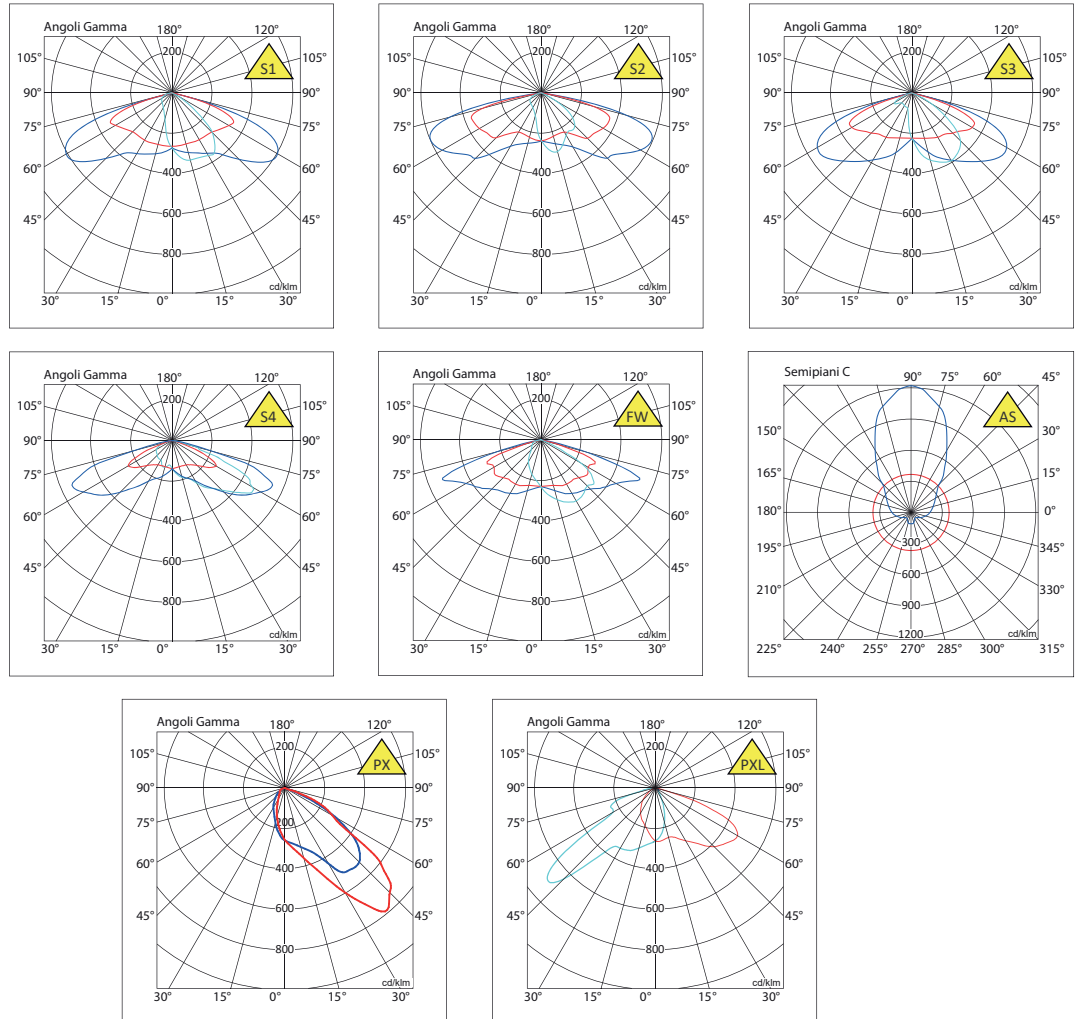
N. LED	mA	Watt	3000K	3000K		3000K		4000K	4000K		4000K	
			LED Lumen	S1-S2-S3 AS-PX-PXL Lm output	AS-PX-PXL Lm/W	S4-FW Lm output	S4-FW Lm/W	LED Lumen	S1-S2-S3 AS-PX-PXL Lm output	S1-S2-S3 AS-PX-PXL Lm/W	S4-FW Lm output	S4-FW Lm/W
12	200	14.2	2600	2350	165	2200	155	2750	2500	176	2350	165
	300	21.9	3750	3380	154	3200	146	3990	3600	164	3380	154
	350	25.7	4350	3900	152	3700	144	4600	4150	161	3900	152
	500	37.8	5950	5350	142	5050	134	6300	5700	151	5350	142
24	200	28.3	5200	4700	166	4400	155	5500	4950	175	4700	166
	300	43.7	7530	6800	156	6400	146	7950	7180	164	6800	156
	350	51.4	8700	7850	153	7400	144	9200	8300	161	7850	153
	500	75.5	11950	10750	142	10150	134	12600	11350	150	10750	142
36	200	42.5	7800	7000	165	6650	156	8250	7450	175	7000	165
	300	65.6	11250	10150	155	9600	146	11950	10800	165	10150	155
	350	77.1	13100	11750	152	11100	144	13850	12450	161	11750	152
	450	101.2	16300	14650	144	13850	136	17250	15500	153	14650	145

● FOTOMETRIE - PHOTOMETRY

Codice finale Last number	Ottica Optics
5	S1
2	S2
3	S3
4	S4
7	FW
6	AS
C	PX
B	PXL

Gruppo di rischio fotobiologico secondo EN62471: ESENTE (RGO)

Photobiological risk group according to EN62471: EXEMPT (RGO)



I valori indicati sono da considerarsi nominali tolleranza flusso luminoso +/-7%, tolleranza potenza +/-10%

The values indicated are to be considered nominal luminous flux tolerance +/- 7%, energy consumption tolerance +/- 10%

⁽¹⁾ approvato ENEC fino a 350mA / 77.1W - ENEC approved up to 350mA / 77.1W

DIMMERAZIONE - DIMMING

Code	1-10V	Dali	CLO	Crono time	Mains dim	Radio waves	Conveyed waves	Zhaga socket for telecontrol	Nema socket 7 Pins
DIM	O	O	S*	S*	O	/	/	/	/
OC	/	/	/	/	/	/	S	/	/
OR	/	/	/	/	/	S	/	/	/
TR	/	S*	S*	S*	O	/	/	S	/
N7	/	S*	S*	S*	O	/	/	/	S

- S Standard con possibilità di programmazione dopo l'acquisto

- S* Standard con programmazione da eseguire in azienda (vedi modulo dimmer disponibile sul sito Web www.faeber.com)

- O Dispositivo da chiedere in fase d'ordine

- TR con attacco Zhaga per sistemi Lumawise

- N7 con attacco Nema socket 7 pin

- S Standard with possibility of setting after purchase

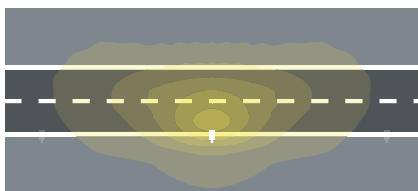
- S* Standard with setting to be done at the factory (see dimming form available on website www.faeber.com)

- O Optional to be requested when defining the order

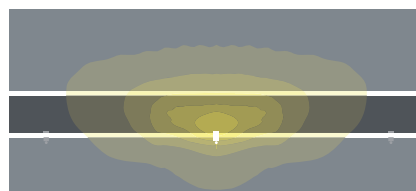
- TR with Zhaga socket for Lumawise Systems

- N7 with Nema socket 7 pins

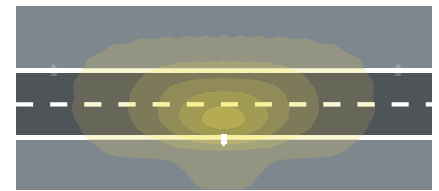
OTTICA - OPTICS



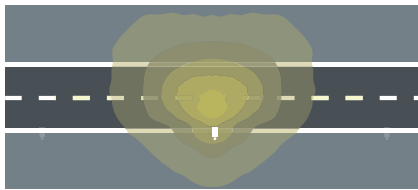
S1 - Per strade standard - fila singola
S1 - For standard streets - one row layout



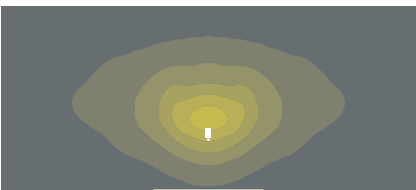
S2 - Per strade strette - fila singola
S2 - For narrow streets - one row layout



S3 - Per strade larghe - disposizione a quinconce
S3 - For standard streets - quinconce layout



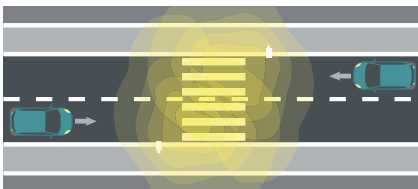
S4 - Per grandi aree - fila singola
S4 - For large areas - one row layout



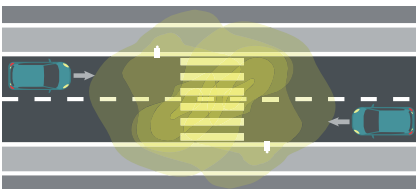
FW - Per aree, incroci e rotonde
FW - For areas, crossings, roundabout



AS - Grandi aree
AS - Big areas



PX - Attraversamenti pedonali guida a destra
PX - Crossinwalk - right-hand drive



PXL - Attraversamenti pedonali guida a sinistra
PXL - Crossinwalk - left-hand drive

ESEMPI - EXAMPLES OF USE

Marciaiede dx Right sidewalk	1.0 m	Interdistanza Spacing	37	Arretramento Pole position	0 m
Carreggiata Carriage way	2x3.75 m	Altezza Height	9	Disposizione Layout	Unilaterale One row
Marciaiede sx Left sidewalk	1.0 m				

Apparecchio Luminaires	Coefficiente di manutenzione Maintenance Factor	Lav (cd/mq)	Uo	UI	Ti (%)	EIR	Categoria strada street category	Eav (lux)	Emin (lux)	Categoria marciaiede Sidewalk category	Consumo Input power (W)	Risparmio Save (%)
ST 150 W	0.80	1.02	0.53	0.61	8	0.55	M3	11.60/14.63	8.11/4.52	P2/P2	170	-
TEA 24LED S1 0.50A	0.90	1.18	0.52	0.73	11	0.50	M3	15.73/12.59	6.73/8.37	P1/P2	75.5	55%
TEA 24LED S1 0.35A	0.90	0.86	0.52	0.73	10	0.50	M4	11.50/9.21	4.92/6.12	P2/P3	51.4	69%

Marciapiede dx Right sidewalk	2.0 m	Interdistanza Spacing	32	Arretramento Pole position	0.5
Carreggiata Carriage way	2x3.50 m	Altezza Height	8	Disposizione Layout	Unilaterale One row
Marciapiede sx Left sidewalk	2.0 m				

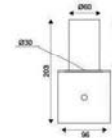
Apparecchio Luminaire	Coefficiente di manutenzione Maintenance Factor	Lav (cd/mq)	Uo	UI	Ti (%)	EIR	Categoria strada Street category	Eav (lux)	Emin (lux)	Categoria marciapiedi Sidewalk category	Consumo Input power (W)	Risparmio Save (%)
ST 100 W	0.80	0.82	0.56	0.63	7	0.55	M4	8.44/10.12	6.16/3.17	P3/P2	115	-
TEA 24LED S1 0.25A	0.90	0.81	0.57	0.68	8	0.46	M4	8.21/7.38	5.63/3.68	P3/P4	39	66%
TEA 12LED S1 0.35A	0.90	0.53	0.57	0.68	8	0.46	M5	5.40/4.86	3.71/2.42	P4/P5	27	76%

ACCESSORI - ACCESSORIES

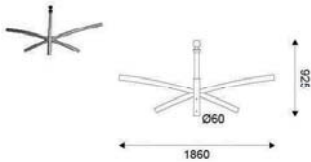


*Disponibile per il solo per la versione N7
*Available for N7 version only

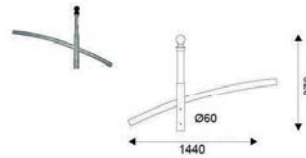
Cod. 000054938	TAPPO NEMA SOCKET CON CORTO CIRCUITO SHORTING CAPS NEMA SOCKET
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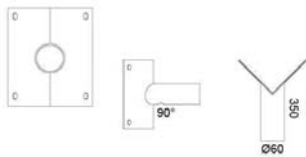
Cod. 4310/A	RIDUZIONE CIMA PALO 89/60mm ZINC ACC S235JRH ISO 1461 REDUCTION TOP POLE 89/60mm ZINC ACC S235JRH ISO 1461
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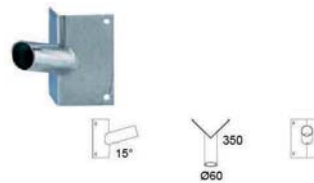
Cod. 000004022	MALAGA-SBRACCIO 2 VIE X CARRET 418.455-2 MALAGA-SIDE POLE 2 VIE X CARRET 418.455-2
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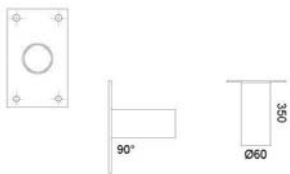
Cod. 000004021	MADRID-SBRACCIO 1 VIA X CARRET 418.455-1 MADRID-SIDE POLE 1 VIA X CARRET 418.455-1
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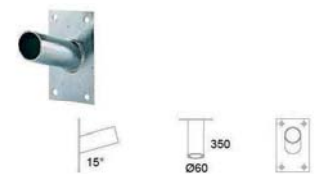
Cod. 000004041	RPA 90° DIAM.60 BRACCIO L=350 RACCORDO PARETE ANGOLO RETTO RPA 90° DIAM.60 ARM L=350 WALL FITTING RIGHT ANGLE
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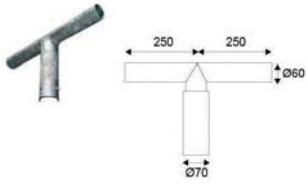
Cod. 000004051	RPA 15° DIAM.60 BRACCIO L=350 RACCORDO PARETE ANGOLO RETTO RPA 15° DIAM.60 ARM L=350 WALL FITTING RIGH ANGLE
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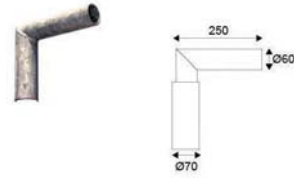
Cod. 000004040	RPP 90° DIAM.60 L.BRACCIO L=250 RPP 90° DIAM.60 ARM L=250
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Cod. 000004050	RPP 15° DIAM.60 BRACCIO L=350 RACCORDO PER PARETE RPP 15° DIAM.60 ARM L=350 WALL FITTING
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Cod. 4312/0	RACCORDO DOPPIO PALO 2X90° 70/60 ZINC DOUBLE POLE CONNECTION 2X90° 70/60 ZINC
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Cod. 4311/0	RACCORDO SINGOLO PALO 1X90° 70/60 ZINC SINGLE POLE CONNECTION 1X90° 70/60 ZINC
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Cod. 000090317	ATTACCO PALO SNODATO D.60 GRIGIO RAL 9006 JOINT POLE CONNECTION D.60 GRAY RAL 9006
Cod. 000090390	ATTACCO PALO SNODATO D.60 GRIGIO CANNA DI FUCILE JOINT POLE ATTACHMENT D.60 GRAY



Cod. 006190040	RVS -1 RACCORDO PARETE ZN D. 60 RVS -1 WALL FITTING ZN D. 60
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