



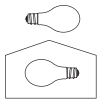
SMART E
for ecobright city



IP66



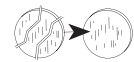
IK08



RG0



m²
0,19



SMART E

CORPO: In pressofusione di alluminio verniciato con polveri di poliestere, colore standard grigio RAL 9006, su richiesta colori diversi nella gamma RAL. Viteria esterna in acciaio inox.

SCHERMO: Vetro temperato extrachiario spessore 4mm, fissato su telaio rimovibile in alluminio pressofuso verniciato con polveri di poliestere, colore standard grigio RAL 9006.

GUARNIZIONI: La tenuta stagna del prodotto è garantita da guarnizioni schiumate ed in silicone espanso.

UNITÀ DI ALIMENTAZIONE: Componenti elettrici montati su piastra di fissaggio facilmente rimovibile. Vita presunta degli alimentatori a Tc : 50.000h per soluzione standard e 100.000h per soluzione dimmerabile. Alimentazione 220÷240V/50-60Hz cos φ 0.95.

Classe di isolamento II, a richiesta disponibile cl. I.

CONNESSIONE: Connessione di rete tramite spezzone di cavo 2x1.5 mm² H07RN-F.

Connettore IP68 polarizzato, disponibile a richiesta.

Entrata cavo tramite pressacavo M20 IP68, disponibile versione in opzione con sezionatore.

PROTEZIONE EXTRATENSIONI: Protetto contro le sovratensioni di modo differenziale fino a 10kV ed in modo comune fino a 6kV.

BODY: Made of die-cast aluminium painted with polyester powders, standard colour gray RAL9006, upon request different colours in the RAL range. External stainless steel screws.

SCREEN: Extra clear tempered glass, thickness 4 mm, fixed to the removable frame made of die-cast aluminium painted with polyester powders, standard colour gray RAL 9006.

GASKETS: The watertight integrity of the product is ensured by foam gaskets and expanded silicone.

SUPPLY UNIT: Electrical components mounted on easily removable fixing plate.

Life expectancy of the ballasts at Tc : 50.000hrs for the standard solution and 100.000hrs for the dimmable solution. Supply voltage 220÷240V/50-60Hz cos φ 0.95. Insulation class II. Upon request, available class I.

CONNECTION: Mains connection with 2x1.5 mm² H07RN-F cable.

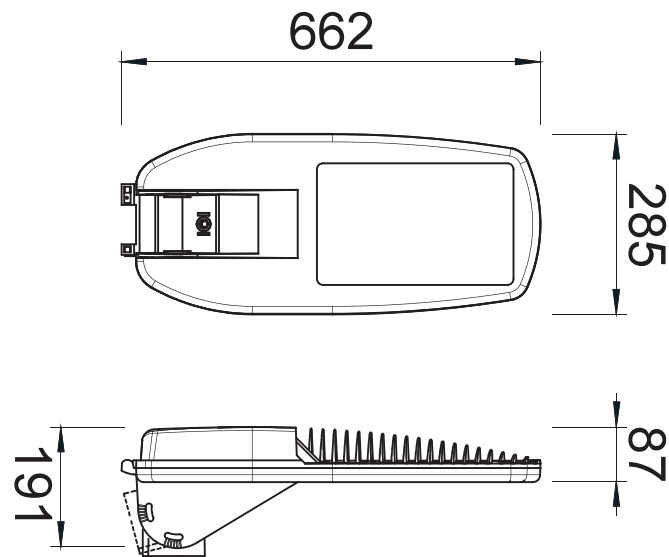
2 poles IP68 connector available on request.

Cable entry through M20 cable gland IP68.

Available version with safety interlock as option.

OVERVOLTAGE PROTECTION: Protected against overvoltage in differential mode up to 10kV and in common mode up to 6kV.

DIMENSIONI - DIMENSIONS

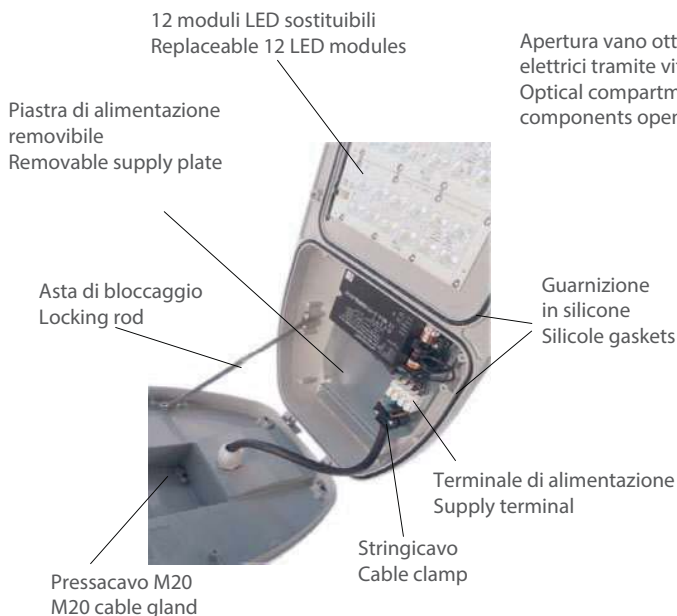


MODULI LED: Moduli LED costituiti da 12chips multi/die ad alta potenza di ultima generazione. Elevata precisione delle caratteristiche cromatiche conformi ai bin ANSI a 85° C. Efficienza 170lm/W @ 640mA 25°C. Vita utile del led 100.000h L90B10 (TM-21 Projection). Ottica secondaria in PMMA stabilizzato. 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 170lm/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.

ATTACO PALO: Costituito da bicchiere in alluminio pressofuso verniciato orientabile con step di 5° in modo da permettere il montaggio sia testapalo +20°/-5° (Fig.1) che a sbraccio +5°/-20° (Fig.2). Adatto per pali Ø 60 mm.

POLE CONNECTION: Adjustable goblet in painted die-cast aluminium with 5° step in order to allow both top pole mounting +20°/-5° (Pic. 1) and side pole mounting +5°/-20° (Pic. 2). Suitable for poles diameter ø 60 mm.



▲ 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
000471224	SMART E 12LED 39W	39	500	12	5050	4000	70	66	II	RAL 9006 ■	7.5
000472424	SMART E 24LED 78W	78	500	24	10100	4000	70	66	II	RAL 9006 ■	7.5
000473624	SMART E 36LED 116W	116	500	36	15200	4000	70	66	II	RAL 9006 ■	7.5
000474824	SMART E 48LED 155W	155	500	48	20250	4000	70	66	II	RAL 9006 ■	7.5

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

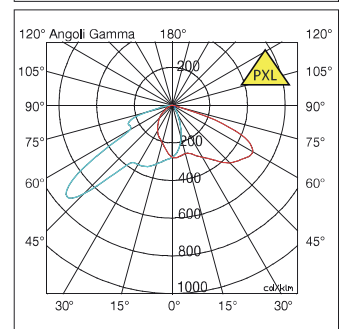
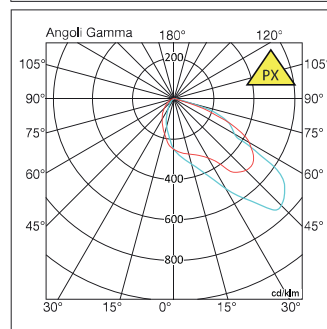
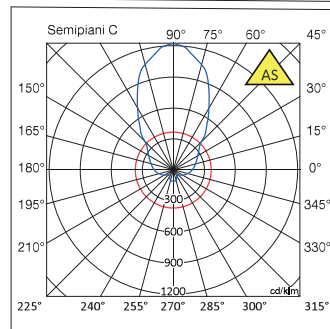
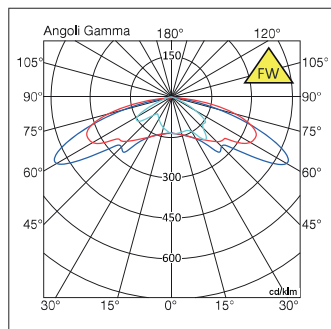
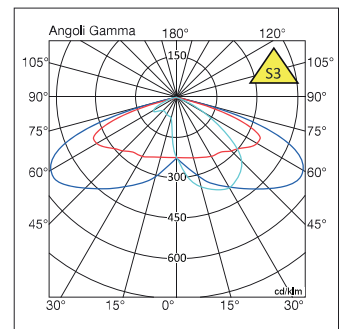
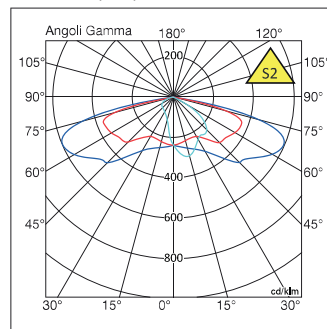
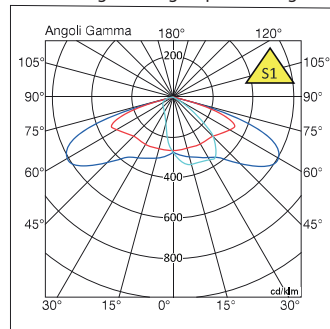
N. LED	mA	Watt	LED Lumen	Lumen output S1-S2-S3-AS	Lm output FW
	200	16	2850	2400	2350
12	350	27	4550	3850	3700
	500	39	6000	5050	4850
	200	48	8600	7250	7000
36	350	80	13700	11500	11100
	500	116	18050	15200	14600

N. LED	mA	Watt	LED Lumen	Lumen output S1-S2-S3-AS	Lm output FW
	200	32	5750	4850	4650
24	350	53	9100	7650	7400
	500	78	12050	10100	9750
	200	64	11500	9650	9300
48	350	106	18250	15350	14750
	500	155	24050	20250	19500

● FOTOMETRIE - PHOTOMETRY

Gruppo di rischio fotobiologico secondo EN62471: ESENTE (RG0)
Photobiological risk group according to EN62471: EXEMPT (RG0)

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



■ 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)

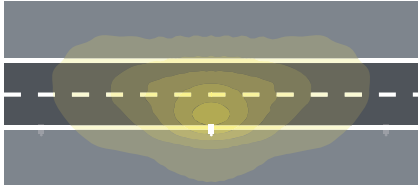
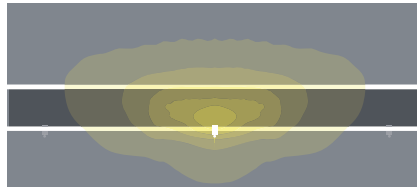
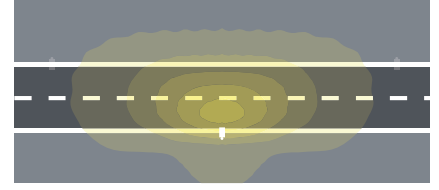
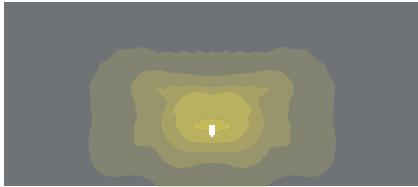
- O Optional to be requested when defining the order

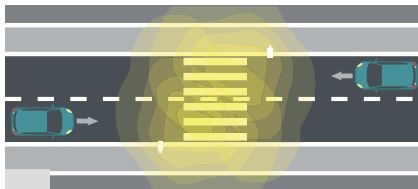
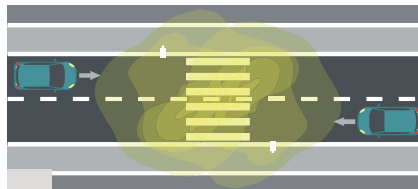
- TR with Zhaga socket for Lumawise Systems

- N7 with Nema socket 7 pins

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%

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

 FW - Per grandi aree, incroci e rotonde
 FW - For large areas, crossings, roundabouts

 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	-	Interdistanza Spacing	32	Arretramento Pole position	-1.2
Carreggiata Carriage way	2x3.75m	Altezza Height	10	Disposizione Layout	Unilaterale One row
Marciaiede sx Left sidewalk	-				

Apparecchio Luminaire	Coefficiente di manutenzione Maintenance Factor	Lav (cd/mq)	U _o	U _I	Ti (%)	S _r	Categoria strada Street category	Consumo Input power (W)	Risparmio Save (%)
ST 250W	0.80	2.01	0.46	0.77	7	0.46	M1	270	-
SMART E 48 LED S1 0.50A	0.90	2.13	0.57	0.85	8	0.54	M1	155	42%
SMART E 36 LED S1 0.50A	0.90	1.60	0.57	0.85	8	0.54	M2	116	57%

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

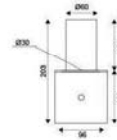
Apparecchio Luminaire	Coefficiente di manutenzione Maintenance Factor	Lav (cd/mq)	U _o	U _I	Ti (%)	EIR	Categoria strada Street category	Eav (lux)	Emin (lux)	Categoria marciapiedi Sidewalk category	Consumo Input power (W)	Risparmio Save (%)
ST 150W	0.80	1.02	0.53	0.61	8	0.55	M3	11.60/14.63	8.11/4.52	P2/P2	170	-
SMART E 24 LED S1 0.50A	0.90	1.07	0.55	0.65	9	0.54	M3	11.89/13.53	7.85/5.83	P2/P2	78	54%
SMART E 24 LED S1 0.35A	0.90	0.81	0.55	0.65	8	0.54	M4	9.00/10.24	5.94/4.42	P3/P2	53	69%

ACCESSORI - ACCESSORIES

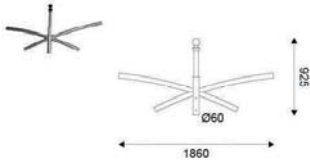


*Disponibile per il solo per la versione N7
*Available for N7 version only

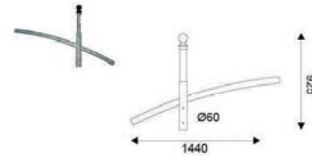
Cod. 000054938	TAPPO NEMA SOCKET CON CORTO CIRCUITO SHORTING CAPS NEMA SOCKET
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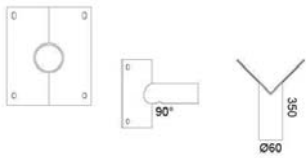
Cod. 4310/A	RIDUZIONE CIMA PALO 89/60mm ZINC ACC S235JRH ISO 1461 REDUCTION TOP POLE 89/60mm ZINC ACC S235JRH ISO 1461
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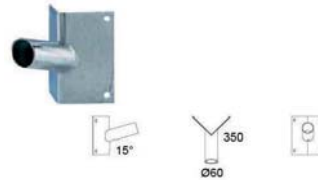
Cod. 000004022	MALAGA-SBRACCIO 2 VIE X CARRET 418.455-2 MALAGA-SIDE POLE 2 VIE X CARRET 418.455-2
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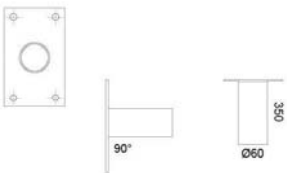
Cod. 000004021	MADRID-SBRACCIO 1 VIA X CARRET 418.455-1 MADRID-SIDE POLE 1 VIA X CARRET 418.455-1
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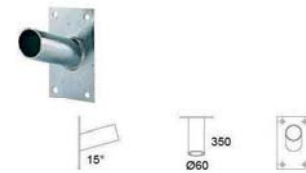
Cod. 000004041	RPA 90° DIAM.60 BRACCIO L=350 RACCORDO PARETE ANGOLO RETTO RPA 90° DIAM.60 ARM L=350 WALL FITTING RIGHT ANGLE
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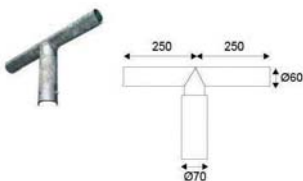
Cod. 000004051	RPA 15° DIAM.60 BRACCIO L=350 RACCORDO PARETE ANGOLO RETTO RPA 15° DIAM.60 ARM L=350 WALL FITTING RIGH ANGLE
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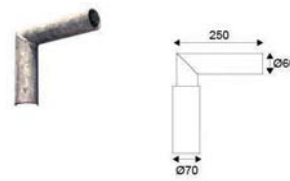
Cod. 000004040	RPP 90° DIAM.60 L.BRACCIO L=350 RPP 90° DIAM.60 ARM L=350
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Cod. 000004050	RPP 15° DIAM.60 BRACCIO L=350 RACCORDO PER PARETE RPP 15° DIAM.60 ARM L=350 WALL FITTING
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Cod. 4312/0	RACCORDO 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
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Cod. 000090390	ATTACCO PALO SNODATO D.60 GRIGIO CANNA DI FUCILE JOINT POLE ATTACHMENT D.60 GRAY
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Cod. 000055586	Connettore 2XM20 2P IP68 2XM20 2P IP68 connector
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