



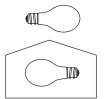
SMART E
for ecobright city



IP66



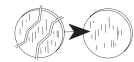
IK08



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.

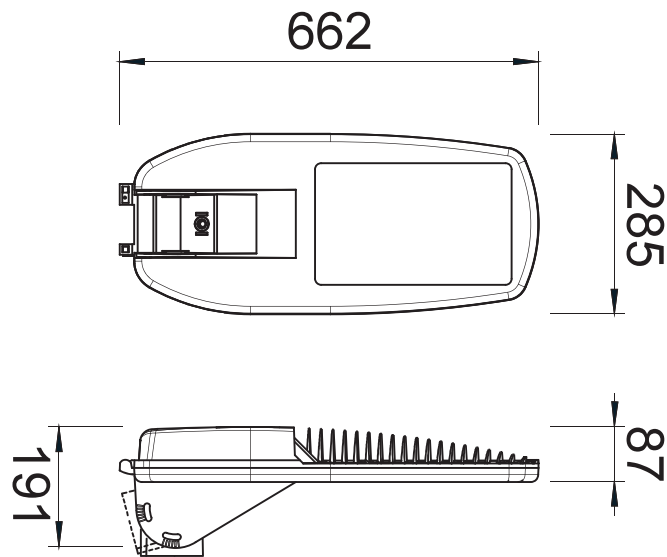
2 poles IP68 connector available on request.

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

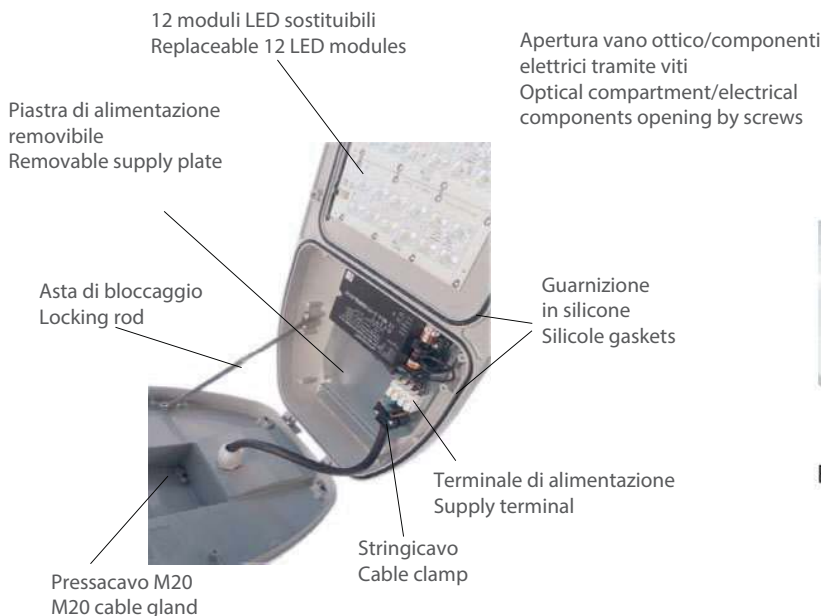


MODULI LED: Moduli LED costituiti da 12chips multi/die ad alta potenza di ultima generazione. Elevata precisione delle caratteristiche cromatiche conformi ai bin ANSI a 85° C. Efficienza 170lm/W @ 640mA 25°C. Vita utile del led 100.000h L90B10 (TM-21 Projection). Ottica secondaria in PMMA stabilizzato. 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 | 37.8 | 500 | 12 | 5400 | 4000 | 70 | 66 | II | RAL 9006 ■ | 7.5 |
| 000472424_ | SMART E 24LED 78W | 75.5 | 500 | 24 | 10800 | 4000 | 70 | 66 | II | RAL 9006 ■ | 7.5 |
| 000473624_ | SMART E 36LED 116W | 113.3 | 500 | 36 | 16200 | 4000 | 70 | 66 | II | RAL 9006 ■ | 7.5 |
| 000474824_ | SMART E 48LED 155W | 151.1 | 500 | 48 | 21600 | 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 | Lm output S1-S2-S3-S4 AS-PX-PXL | IPEA * | Lm output FW | IPEA * |
|--------|-----|------|--------------|---------------------------------------|----------|-----------------|----------|
| 12 | 200 | 14.2 | 2750 | 2350 | A11+2.26 | 2200 | A10+2.12 |
| | 350 | 25.7 | 4600 | 3950 | A10+2.10 | 3750 | A8+1.99 |
| | 500 | 37.8 | 6300 | 5400 | A8+1.95 | 5100 | A7+ 1.84 |

| N. LED | mA | Watt | LED Lumen | Lm output S1-S2-S3-S4 AS-PX-PXL | IPEA * | Lm output FW | IPEA * |
|--------|-----|------|--------------|---------------------------------------|----------|-----------------|----------|
| 24 | 200 | 28.3 | 5500 | 4700 | A11+2.27 | 4450 | A10+2.15 |
| | 350 | 51.4 | 9200 | 7900 | A10+2.10 | 7450 | A8+1.98 |
| | 500 | 75.5 | 12600 | 10800 | A8+1.90 | 10200 | A7+1.80 |

| N. LED | mA | Watt | LED Lumen | Lm output S1-S2-S3-S4 AS-PX-PXL | IPEA * | Lm output FW | IPEA * |
|--------|-----|-------|--------------|---------------------------------------|----------|-----------------|----------|
| 36 | 200 | 42.5 | 8250 | 7050 | A11+2.27 | 6650 | A10+2.14 |
| | 350 | 77.1 | 13850 | 11850 | A9+2.04 | 11200 | A8+1.93 |
| | 500 | 113.3 | 18950 | 16200 | A6+1.72 | 15300 | A5+1.62 |

| N. LED | mA | Watt | LED Lumen | Lm output S1-S2-S3-S4 AS-PX-PXL | IPEA * | Lm output FW | IPEA * |
|--------|-----|-------|--------------|---------------------------------------|----------|-----------------|----------|
| 48 | 200 | 56.7 | 11000 | 9400 | A11+2.27 | 8900 | A10+2.15 |
| | 350 | 102.8 | 18450 | 15750 | A7+1.84 | 14900 | A6+1.74 |
| | 500 | 151.1 | 25250 | 21600 | A4+1.58 | 20400 | A4+1.50 |

* Destinazione uso prevalente: Stradale S_L Main intended use : Street light S_L

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%

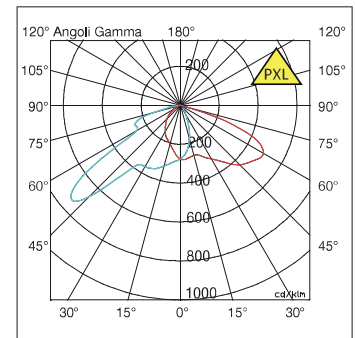
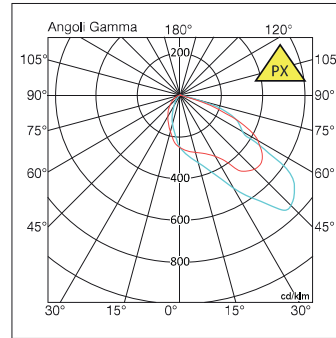
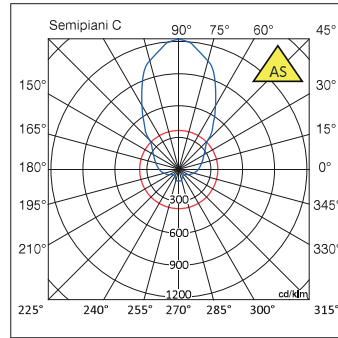
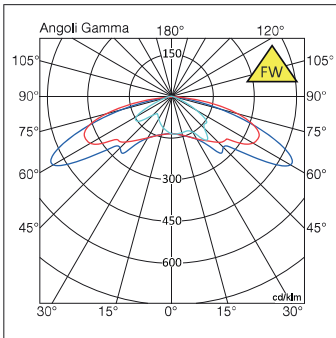
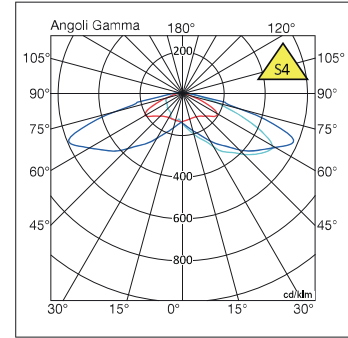
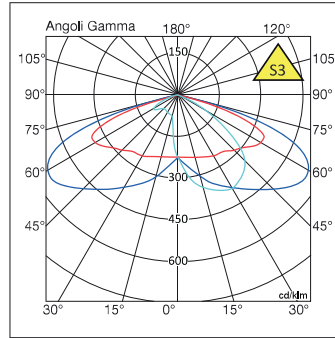
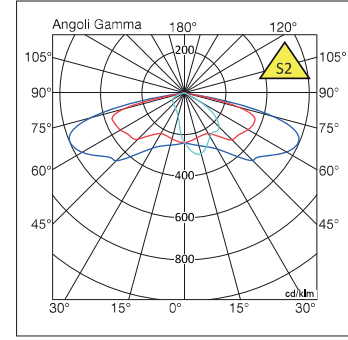
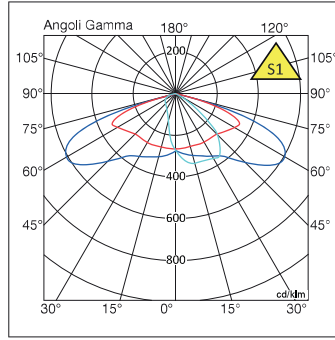
● **FOTOMETRIE - PHOTOMETRY**

| Codice finale Last number | Ottica Optics | C.I.L. |
|------------------------------|------------------|--------|
| 5 | S1 | G*4 |
| 2 | S2 | G*2 |
| 3 | S3 | G*4 |
| 4 | S4 | G*3 |
| 7 | FW | G*2 |
| 6 | AS | G*6 |
| C | PX | G*6 |
| B | PXL | G*6 |

Gruppo di rischio fotobiologico secondo EN62471: ESENTE (RGO)

Photobiological risk group according to EN62471: EXEMPT (RGO)

Flusso luminoso emesso oltre l'orizzonte Ulor=0
Upper luminous flux Ulor=0



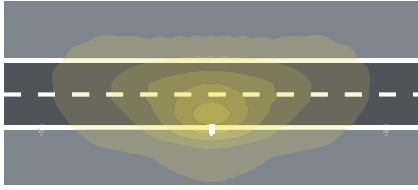
■ **DIMMERAZIONE - DIMMING**

| 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 |

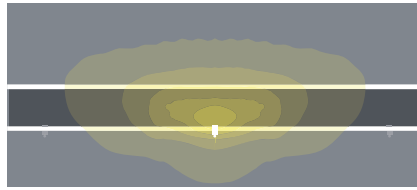
- S Standard con possibilità di programmazione dopo l'acquisto
- S* Standard con programmazione da eseguire in azienda (vedi modulo dimmer disponibile sul sito Web www.faeber.com)
- O Dispositivo da chiedere in fase d'ordine
- TR con attacco Zhaga per sistemi Lumawise
- N7 con attacco Nema socket 7 pin

- 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

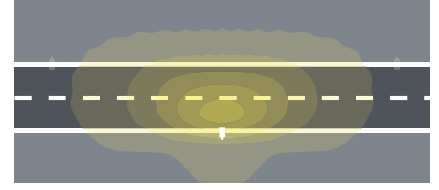
OTTICA - OPTICS



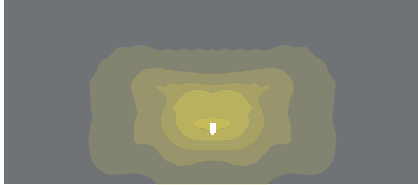
S1 - Per strade standard - fila singola
S1 - For standard streets - one row layout



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



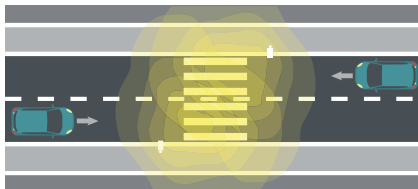
S3 - Per strade larghe - disposizione a quinconce
S3 - For standard streets - quinconce layout



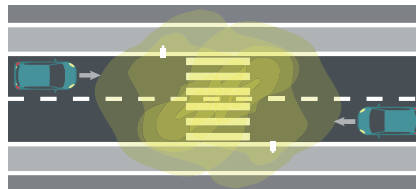
FW - Per grandi aree, incroci e rotonde
FW - For large areas, crossings, roundabouts



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) | Uo | UI | Ti (%) | Sr | 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% |

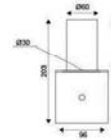
| | | | | | |
|---------------------------------|---------|--------------------------|----|-------------------------------|------------------------|
| Marciaiede dx Right sidewalk | 1.0 | Interdistanza Spacing | 37 | Arretramento Pole position | 0 |
| Carreggiata Carriage way | 2x3.75m | Altezza Height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

| Apparecchio Luminaire | Coefficiente di manutenzione Maintenance Factor | Lav (cd/mq) | Uo | UI | 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

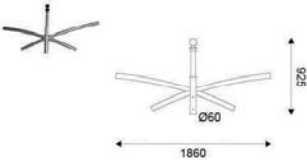


*Disponibile per il solo per la versione N7
*Available for N7 version only



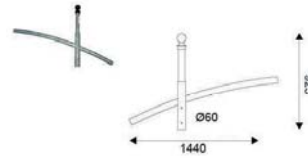
Cod. 4310/A

RIDUZIONE CIMA PALO 89/60mm ZINC ACC S235JRH ISO 1461
REDUCTION TOP POLE 89/60mm ZINC ACC S235JRH ISO 1461



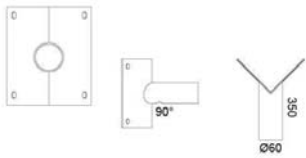
Cod. 000004022

MALAGA-SBRACCIO 2 VIE X CARRET 418.455-2
MALAGA-SIDE POLE 2 VIE X CARRET 418.455-2



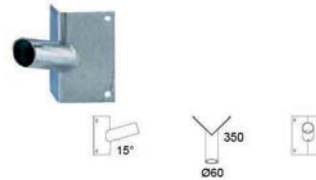
Cod. 000004021

MADRID-SBRACCIO 1 VIA X CARRET 418.455-1
MADRID-SIDE POLE 1 VIA X CARRET 418.455-1



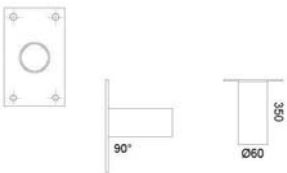
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RPA 90° DIAM.60 BRACCIO L=350 RACCORDO PARETE ANGOLO RETTO
RPA 90° DIAM.60 ARM L=350 WALL FITTING RIGHT ANGLE



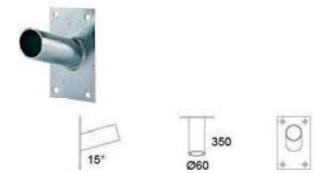
Cod. 000004051

RPA 15° DIAM.60 BRACCIO L=350 RACCORDO PARETE ANGOLO RETTO
RPA 15° DIAM.60 ARM L=350 WALL FITTING RIGHT ANGLE



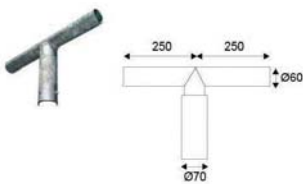
Cod. 000004040

RPP 90° DIAM.60 L.BRACCIO L=250
RPP 90° DIAM.60 ARM L=250



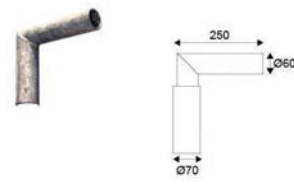
Cod. 000004050

RPP 15° DIAM.60 BRACCIO L=350 RACCORDO PER PARETE
RPP 15° DIAM.60 ARM L=350 WALL FITTING



Cod. 4312/0

RACCORDO DOPPIO PALO 2X90° 70/60 ZINC
DOUBLE POLE CONNECTION 2X90° 70/60 ZINC



Cod. 4311/0

RACCORDO SINGOLO PALO 1X90° 70/60 ZINC
SINGLE POLE CONNECTION 1X90° 70/60 ZINC



Cod. 000090317

ATTACCO PALO SNODATO D.60 GRIGIO RAL 9006
JOINT POLE CONNECTION D.60 GRAY RAL 9006



Cod. 000055586

Connettore 2XM20 2P IP68
2XM20 2P IP68 connector

Cod. 000090390

ATTACCO PALO SNODATO D.60 GRIGIO CANNA DI FUCILE
JOINT POLE ATTACHMENT D.60 GRAY

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Faerber Lighting System SpA
Via Papa Giovanni XXIII - Ang. Via Padre Pio • 21040 Uboldo (VA) • Italy • Tel. +39.0296787811 • Fax +39.0296788846 • info@faeber.com