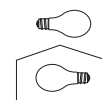




IP66



IK08



RG0



m²
0,19



SMART E

CORPO: In pressofusione di alluminio verniciato con polveri di poliestere, colore standard grigio RAL9006, su richiesta colori diversi nella gamma RAL. Viteria esterna in acciaio inox.

SCHERMO: Vetro temperato extrachiaro spessore 4 mm, fissato su telaio rimovibile in alluminio pressofuso verniciato con polveri di poliestere, colore standard grigio RAL9006

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

UNITA' 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. Tensione di alimentazione 220÷240V 50/60Hz. Classe di isolamento II, a richiesta disponibile cl.I.

CONNESSIONE: Connessione di rete tramite spezzone di cavo H07RN-F e presa e spina ad innesto rapido polarizzata, 2 poli per la versione standard e 4 poli per la versione dimmerabile in modo da rendere accessibili i cavi per la programmazione. Entrata cavo tramite pressacavo M20 IP68. Disponibile versione in opzione con sezionatore.

PROTEZIONI 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.

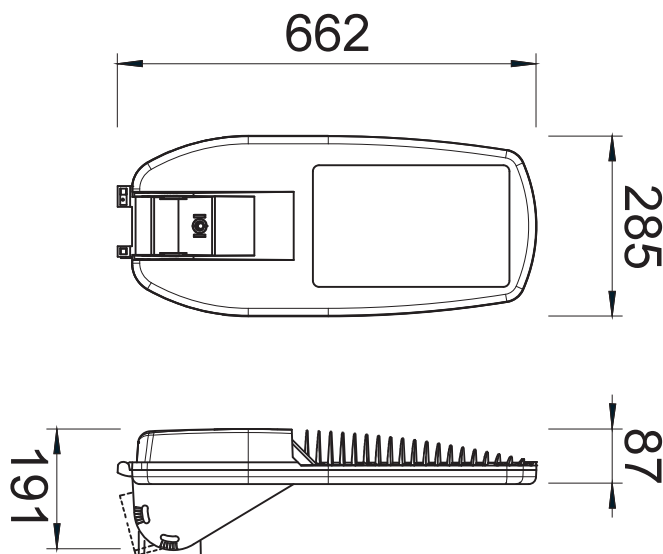
SUPPLY UNIT: Electrical components mounted on easily removable fixing plate.

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. Insulation class II. Upon request, available class I.

CONNECTION: Mains connection with H07RN-F cable, quick coupling plug-socket polarized, 2 poles for the standard version and 4 poles for the dimmable version in order to make accessible the cables for programming. Cable entry through M20 cable gland IP68. Available version with switch 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 12 chip 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 80.000h L80B20 (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 80.000h L80B20 (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 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	App
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 (■)**

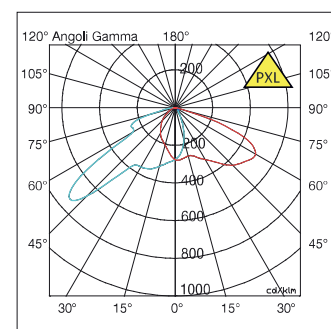
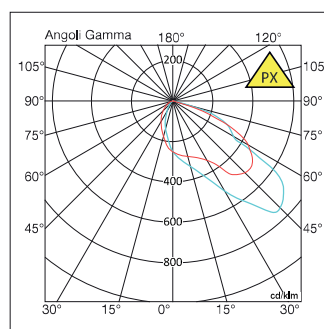
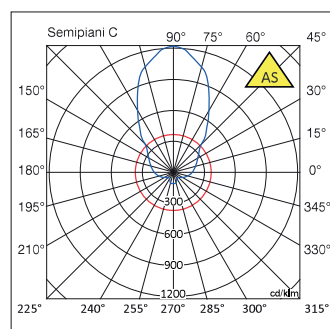
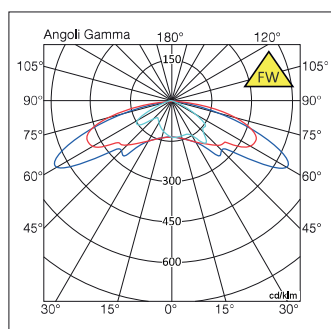
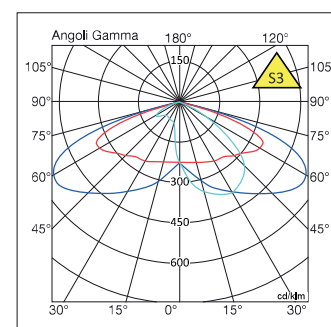
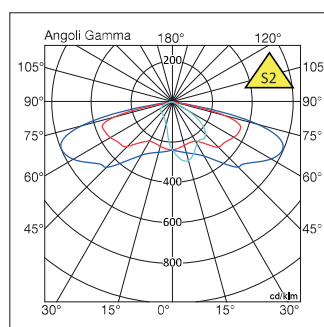
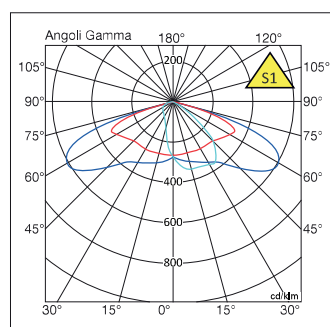
PERFORMANCE - PERFORMANCES

N. LED	mA	Watt	LED Lumen	Lm 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	Lm 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

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



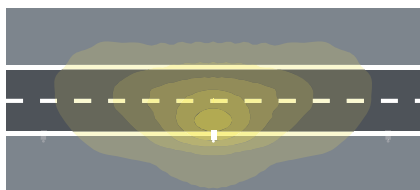
■ DIMMERAZIONE - DIMMING

Code	Rset	Switch	1-10V	Dali	CLO	Crono timer	Mains dim	Radio Waves	Zhaga socket for telecontrol
DIM	O	/	O	O	S*	S*	O	/	/
OC	/	/	/	/	/	/	/	/	S
OR	/	/	/	/	/	/	/	S	/

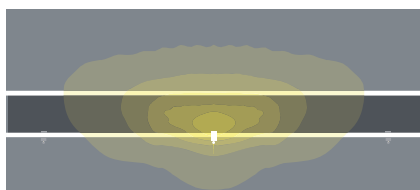
- S Standard con possibilità di programmazione dopo l'acquisto.
 - S* Standard con programmazione da eseguire in azienda.
 (vedi modulo dimmer disponibile sul sito Web www.faeber.com)
 - O dispositivo da richiedere in fase d'ordine TR con attacco Zhaga per sistemi Lumawise

- 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

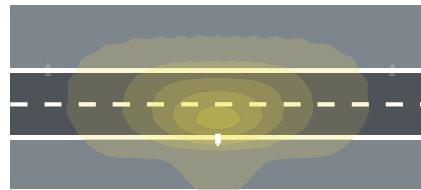
OTTICA - OPTICS



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



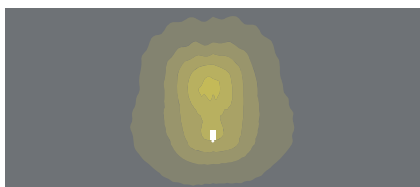
S2 - Per strade strette - fila singola
S2 - For narrow streets - one row layout



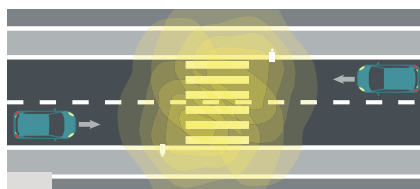
S3 - Per strade larghe - disposizione a quinconce
S3 - For standard streets - quinconce layout



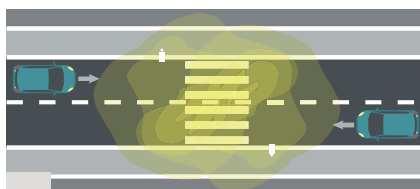
FW - Per grandi aree, incroci e rotonde
FW - For large areas, crossings, roundabouts



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

Marciapiede dx Right sidewalk	-	Interdistanza Spacing	32	Arretramento Pole position	-1.2
Carreggiata Carriage way	2x3.75 m	Altezza Height	10	Disposizione Layout	Unilaterale One row
Marciapiede sn 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 250 W	0.80	2.01	0.46	0.77	7	0.46	M1	270	-
SMART E 48LED S1 0.50A	0.90	2.13	0.57	0.85	8	0.54	M1	155	42%
SMART E 36LED S1 0.50A	0.90	1.60	0.57	0.85	8	0.54	M2	116	57%

Marciapiede dx Right sidewalk	1.0	Interdistanza Spacing	37	Arretramento Pole position	0
Carreggiata Carriage way	2x3.75 m	Altezza Height	9	Disposizione Layout	Unilaterale One row
Marciapiede sn Left sidewalk	1.0 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 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	-
SMART E 24LED 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 24LED 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%