



COMUNE DI EBOLI

PROVINCIA DI SALERNO

LAVORI DI COSTRUZIONE DELLA PUBBLICA
ILLUMINAZIONE IN LOCALITA' BOSCARIELLO

PROGETTO DEFINITIVO-ESECUTIVO

IL PROGETTISTA
IL DIRETTORE DEI LAVORI
IL COORDIN. PER LA SICUREZZA
ing. Marco GENOVESE

IL R.U.P. (UTC)

OGGETTO:

SCHEMA UNIFILARE QUADRO ELETTRICO E SCHEDA
TECNICA ARMATURA STRADALE A LED

Aggiornamenti:

Data:

OTTOBRE 2018

Scala:

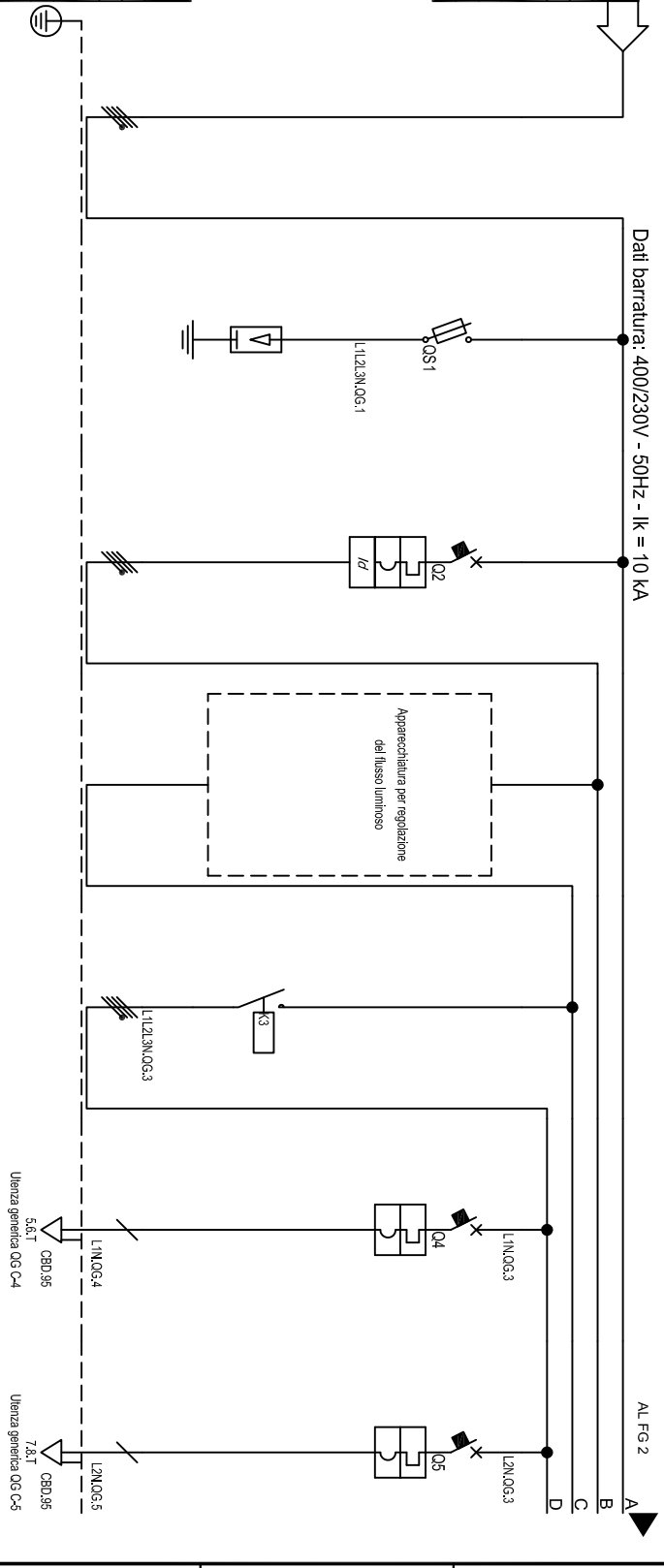
N:

7

a termine delle vigenti leggi sui diritti d'autore, questo disegno non potrà
essere realizzato, riprodotto o comunicato a terzi senza la nostra autorizzazione

Da Quadro:	Fornitura
Partenza:	----
Cavo [mm ²]:	----
Lunghezza [m]:	----
Tensione [V]:	400
Frequenza [Hz]:	50
Polarità:	Quadrifilare
Tipo morsetto:	CBD.
Numerazione morsetto:	1.2.3.4.T

Prerasso quadro:	QG
Alimentazione:	Quadrifilare
Ik Max [kA]:	10
Tensione nominale di impiego [V]:	400
Tensione di isolamento nominale[V]:	50
Frequenza [Hz]:	50
Corrente ammissibile 1 s [kA]:	10
Grado di protezione IP:	---
Codice:	---



Descrizione	
POTENZA CONTEMPORANEA	[kW]
CORRENTE (Ib)	[A]
CosφI	
COEFF. DI CONTEMPORANETA'	[%]
SCHEMA FUNZIONALE	
MARCA	
MODELLO	
ESECUZIONE	
TIPOLOGIA	
In max/min/Reg.	[A]
Im max/min/Reg.	[A]
P.d.i. / Curva	[kA]
Id max/min/Reg./Classe	[A]
DISTRIBUZIONE	
CADUTA DI TENSIONE PERCENTUALE	[%]
VOLTIMETRO / AMPEROMETRO	
SIGLA	
LUNGHEZZA	[m]
POSA	
K CORRETTIVI (K1,K2,K3,K4)	
Sezione	[mm ²]
Portata (Iz)	[A]

Descrizione	QG C-0	QG C-1	QG C-2	Regolatore di flusso	QG C-3	QG C-4	QG C-5
Scaricatore di sovertensione							
Generale alimentazione	11	0	11	11	11	3,5	3,5
	17	0	17	17	17	17	17
	0,9	---	0,9	0,9	0,9	0,9	0,9
	100	100	100	100	100	100	100
MARCA	---	SIEMENS	SIEMENS	---	SIEMENS	SIEMENS	SIEMENS
MODELLO	---	C1.HL - UP 1,5kV	5SL4427+5SN2436	---	3RT16391A20	5SJA125THG40	5SJA125THG40
ESECUZIONE	---	Esecuzione fissa	Esecuzione fissa	---	Esecuzione fissa	Esecuzione fissa	Esecuzione fissa
TIPOLOGIA	No protezione	SPD+Hushill	MagnetotermicoDf	No Protezione	Contattore	Magnetotermico	Magnetotermico
In max/min/Reg.	---/---/---	---/---/100	---/---/32	---/---/---	---/---/40	---/---/25	---/---/25
Im max/min/Reg.	---/---/---	---/---/500	---/---/320	---/---/---	---/---/40	---/---/250	---/---/250
P.d.i. / Curva	---/---	---/---	10 / C	---/---	---/---	10 / C	10 / C
Id max/min/Reg./Classe	---	---	0,3 - Cl. A	---	---	---	---
DISTRIBUZIONE	Quadrifilare	Quadrifilare	Quadrifilare	Quadrifilare	Quadrifilare	Unipolare L1	Unipolare L2
CADUTA DI TENSIONE PERCENTUALE	0	0	0,02	0,02	0,03	9,43	9,43
VOLTIMETRO / AMPEROMETRO	---	---	---	---	---	---	---
SIGLA	---	---	---	---	---	FG16R16FS17PE	FG16R16FS17PE
LUNGHEZZA	---	---	---	---	---	2,189	2,189
POSA	---	---	---	---	---	1438061_200/0,93	1438061_200/0,93
K CORRETTIVI (K1,K2,K3,K4)	---	---	---	---	---	0,930	0,930
Sezione	---	---	---	---	---	21(x70)+(PE70)	21(x70)+(PE70)
Portata (Iz)	---	---	---	---	---	206	206

1	2	3	4	5	6	7	8
TITOLO Quadro Generale		CODICE QG		COMMITTENTE		FILE U QG 00001	
Schema Unifilare		PREPILATO		COMMISSIONA		FOGLIO SEQUE 1	
						APPR. 1	
						COMMESSA	
						ILLUMIPUBBLI	

Elium M

Elium es una luminaria de diseño extra plano con una extraordinaria relación entre eficiencia y coste. Concebida para aplicaciones de tipo vial pero también útil en multitud de aplicaciones. Perfecta para instalar en columnas entre 4 y 12 metros en calles residenciales y urbanas anchas y estrechas, carriles para bicicletas, parkings, parques, plazas, avenidas, autovías y autopistas.

- Diseño aerodinámico.
- Excelente disipación térmica.
- Disipación pasiva sin aletas.
- Mínima superficie de resistencia al aire.
- Diseño con antideslumbramiento.
- Libre mantenimiento.
- Packaging extra plano para reducir los costes de transporte.
- Fijación en tubo de Ø 60mm tanto en Top como en Lateral.
- Posibilidad de inclinación de -15°, -10°, -5°, 0°, 5°, 10° y 15°.
- Acabados del cuerpo en gris RAL 9006.
- Otros colores bajo demanda.

Elium est un luminaire au design extra plat avec une relation optimale entre efficacité et coût. Conçu pour des applications de type routier, mais aussi utile dans beaucoup d'applications. Parfait pour installer sur des mâts entre 4 et 12 mètres de hauteur, dans les rues résidentielles et urbaines larges et étroites, les voies cyclables, les parkings, les parcs publics, les places, les avenues, les voies rapides et les autoroutes.

- Design aérodynamique.
- Excellente dissipation thermique.
- Dissipation passive sans ailettes.
- Surface minimale de résistance à l'air.
- Design anti-éblouissement.
- Sans maintenance.
- Packaging extra plat afin de réduire le coût de transport.
- Fixation au tube de Ø 60mm aussi bien en top que latérale.
- Possibilité d'inclinaison de -15°, -10°, -5°, 0°, 5°, 10° y 15°.
- Finition du corps en coloris gris RAL 9006.
- Autres couleurs sur demande.

Elium, an extra slim design luminaire with a very good relation between efficiency and cost. Designed to light all kind of roads and applications. Elium has an excellent performance when installed on poles from 4 up to 12 m, for residential streets, wide and narrow roads, avenues, parking lots, highways and freeways.

- Aerodynamic design.
- Excellent thermal management.
- Finless heat dissipation housing
- Minimum air resistance.
- Cut-off and antiglare design.
- Maintenance free.
- Extra slim packaging to reduce transportation costs.
- Ø 60 mm, post-top, lateral mount.
- May be tilted -15°, -10°, -5°, 0°, 5°, 10° y 15°.
- Colour: grey RAL 9006.
- Other colour available under demand.





REFERENCE	N° LEDs	@700mA				@500mA				@350mA				Input [V]	Life Time [h]	T1	T2	T3	T4	T5	T9			
		POut [W]	Pin [W]	φ [lm]	η _i [lm/W]	POut [W]	Pin [W]	φ [lm]	η _i [lm/W]	POut [W]	Pin [W]	φ [lm]	η _i [lm/W]											
ILLI040[]30	40	80	88	10296	117	56	62	7812	126	40	43	5590	130	220-240V 50/60Hz	100.000	✓	✓							
ILLI048[]30	48	96	106	12402	117	67	75	9450	126	47	52	6760	130	220-240V 50/60Hz	100.000	✓	✓							
ILLI064[]30	64	128	136	15912	117	90	100	12600	126	63	70	9100	130	220-240V 50/60Hz	100.000	✓	✓							
ILLI040[]20	40	80	88	10296	117	56	62	7812	126	40	43	5590	130	220-240V 50/60Hz	100.000	✓	✓							
ILLI048[]20	48	96	106	12402	117	67	75	9450	126	47	52	6760	130	220-240V 50/60Hz	100.000	✓	✓							
ILLI064[]20	64	128	136	15912	117	90	100	12600	126	63	70	9100	130	220-240V 50/60Hz	100.000	✓	✓							
ILLI040[]10	40	80	88	10296	117									220-240V 50/60Hz	50.000	✓	✓							
ILLI048[]10	48	96	106	12402	117									220-240V 50/60Hz	50.000	✓	✓							
ILLI064[]10	64	128	136	15912	117									220-240V 50/60Hz	50.000	✓	✓							

[411] 4000°K T1 Class I, [412] 4000°K T1 Class II, [431] 4000°K T3 Class I, [432] 4000°K T3 Class II, [491] 4000°K T9 Class I, [492] 4000°K T9 Class II
 [311] 3000°K T1 Class I, [312] 3000°K T1 Class II, [331] 3000°K T3 Class I, [332] 3000°K T3 Class II, [391] 3000°K T9 Class I, [392] 3000°K T9 Class II
 φ[lm] @ 4000K CRI>70 T3

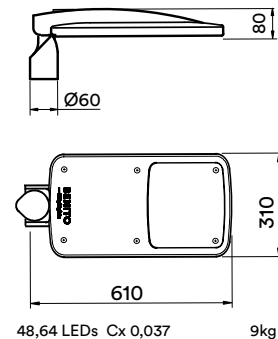
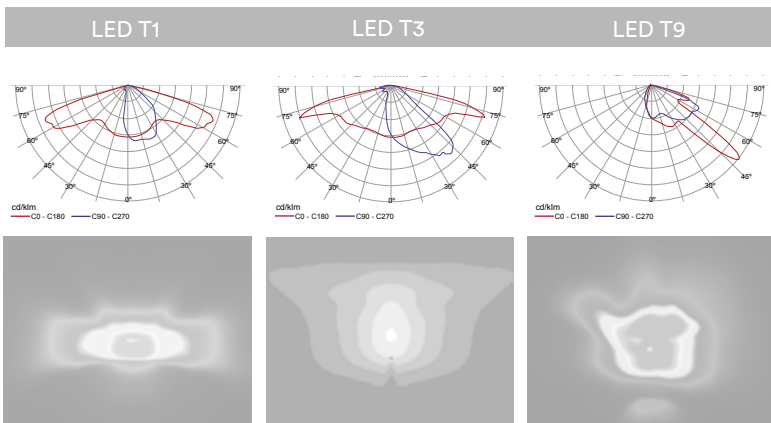
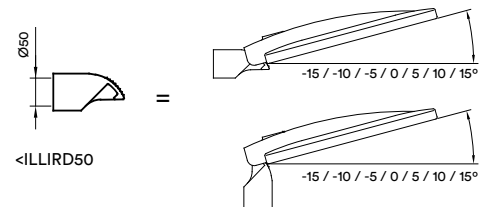
Life Time	BASIC	ADVANCE / PREMIUM
Ta max	-20...+35°C	-20...+50°C
Ta 25°C	50.000 h B10L80	100.000 h B10L90
Ta 35°C	50.000 h B10L70	100.000 h B10L80
Ta 50°C		100.000 h B10L70

ES: Las categorías PREMIUM y ADVANCE incorporan la protección térmica B-Therm que monitoriza la temperatura de los LEDs en todo momento. B-Therm se activa cuando la temperatura Tc del módulo LED sobrepasa los 75°C reduciendo la corriente a través de los LEDs con el fin de garantizar una vida útil B10L70 de diez años (ver condiciones y garantías). El flujo luminoso φ[lm] y la potencia consumida Pin[W] de la luminaria son valores a una temperatura ambiente de 25°C. El flujo real de la luminaria puede variar según distribución fotométrica. Los valores están sujetos a tolerancias de tecnología.

FR: Les catégories PREMIUM et ADVANCE disposent de la protection thermique B-Therm, qui monitorise la température des LEDs à tout moment. Le B-Therm est activé lorsque la température du module LED Tc dépasse les 75°C, et réduit le courant à travers les LEDs dans le but de garantir une vie utile B10L70 de 10 ans (voir conditions et garanties). Le flux lumineux φ[lm] et la puissance consommée Pin[W] du luminaire sont les valeurs à température ambiante de 25°C. Le flux réel du luminaire peut varier selon la distribution photométrique. Les valeurs sont sujettes aux tolérances de technologie.

EN: PREMIUM and ADVANCE categories are supplied with B-Therm protection in order to control the LEDs temperature at all times. B-Therm system is turned on when the LED Module Tc temperature reaches 75°C and it slowly decreases LEDs current to guarantee a 10 years lifetime according to B10L70 (see conditions and warranties). The luminous flux [lm] and the consumed power Pin [W] of the luminaire are values at an ambient temperature of 25° C. The real flux of the luminaire can vary depending on the photometric distribution. Values are subject to technology tolerances.

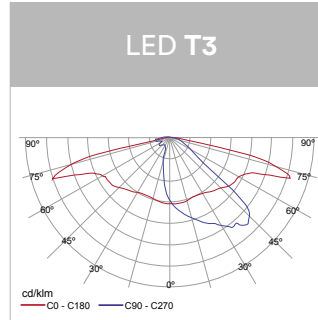
Opcional | En Option | Optional



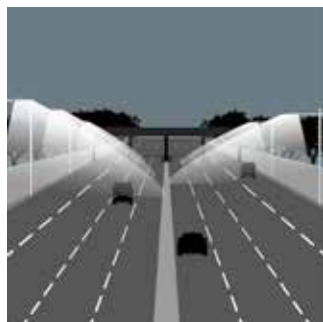
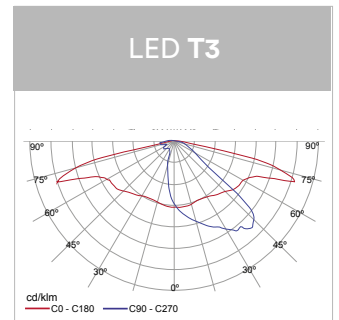
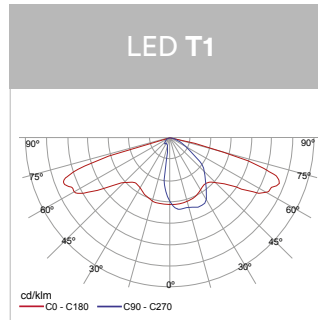
Aplicaciones Principales | Principales Applications | Main Applications



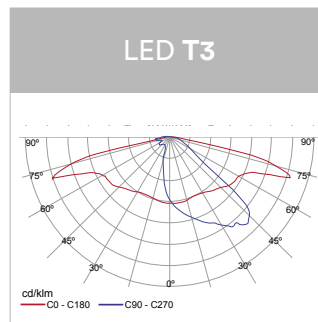
Vía Urbana | Route Urbaine | Street



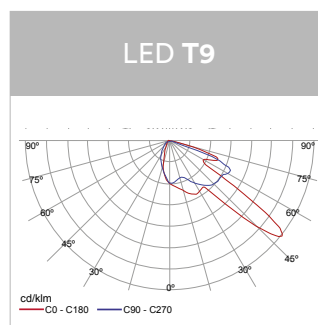
Ávenida | Avenue | Avenue



Autopista | Autoroute | Freeway



Paso para Peatones | Passage Piéton | Crosswalk





Parking | Stationnement | Parking

