

September 2021
Septiembre 2021

VERS.
2021



FULGOR

A SUPER
BRIGHT LIGHT
LUZ MUY
BRILLANTE

litek[®]

LED VISION

lighting

| SINCE 2007 |

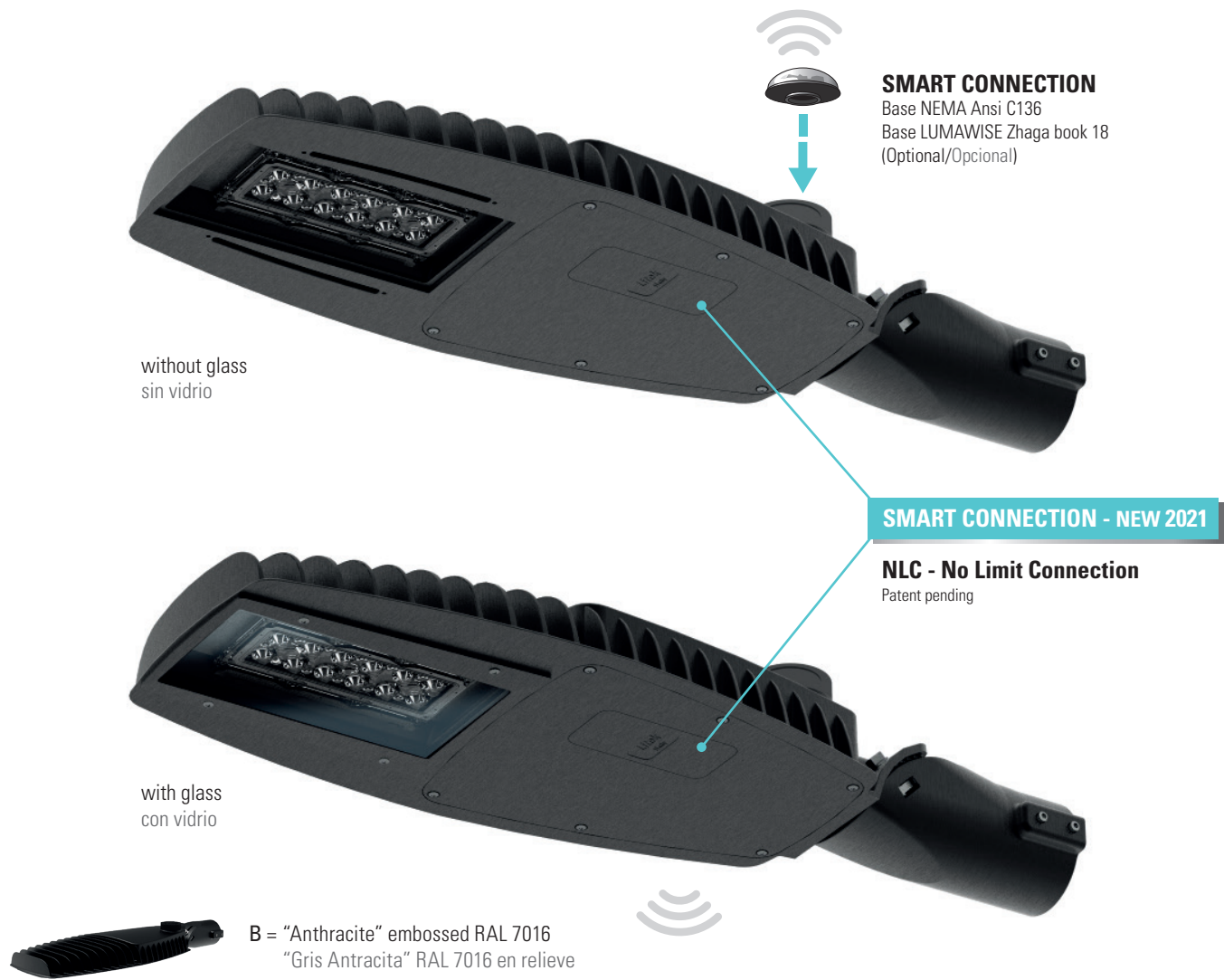


4th GENERATION ROAD LIGHTING

ILUMINACIÓN VIAL DE 4^a GENERACIÓN

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High efficiency LED street lighting fixture with body, adjustable pole head and technical compartment cover in die-cast aluminum (R&D Litek Design), self-cleaning design and minimum wind exposure specifically designed for high heat exchange LED technology, long lasting protective treatment by means of external polyester powder coating in "Anthracite" RAL 7016 embossed colour ("Silver" RAL 9006 embossed, or other colours, on request). Optical unit sealed with PC/PMMA street optics (optional on request, extra-clear 4mm (0.2") tempered safety glass protective screen), variable light distribution, neutral light colour 4000 K or warm 3000 K or very warm 2200 K, CRI 70 (80 and 90 on request), fully certified cut-off light emission in accordance with Standards against light pollution. Optical units made of MULTIDIE high-power LEDs, with direct welding on 15/10 pure aluminum circuits; Vdc constant current LED drive. Several types of system functionalities/management (OF, DM, TLC, NLC, NEMA, LUMAWISE); LITEK heat dissipation system as TCS (Thermal Cooling System)

with very high heat exchange. Power supply 100/305Volt 50/60Hz, power factor corrected to cos-fi ≥0.97 @115Vac, insulation class 2, electronic ballast with very high efficiency microprocessor control with overvoltage protection up to 6kV. Luminaire with IP66 protection degree of both the technical and optical compartments, AWG type power supply cable already externally terminated by means of a variable clamping cable gland, impact protection degree IK08 (with glass), IK09 (without glass). External stainless-steel bolts, two different types of pole connection devices suitable both for vertical and/or horizontal shanks Ø 40/46/60 mm (1.6"/1.8"/2.4") or 60/76 mm (2.4"/3.0") and adjustable in steps of 5° from 0° to 180°, dimensions 754x278x80 mm (29.7"x10.9"x3.2") and weight 5 Kg (11 lbs). Several accessories are available, North American cULus certification pending, Dekra certifications: international scheme CB, ENEC and CE marking. Luminaire is Made in Italy.



SAVIGNANO S.R. - ITALY

Luminaria LED de alumbrado público de alta eficiencia con cuerpo, punta poste ajustable y cubierta del compartimento técnico en aluminio fundido a presión (diseño LITEK R&D), diseño autolimpiante y exposición mínima al viento específicamente diseñado con alto intercambio de calor para la tecnología LED, Tratamiento de protección duradero mediante pintura de poliéster con recubrimiento de polvo externo en relieve "Gris Antracita" RAL 7016 (relieve "Gris Plata" RAL 9006, u otro color, bajo pedido). Unidad óptica monobloque sellada con óptica de carretera PC / PMMA (opcional bajo pedido, pantalla de vidrio de seguridad templado extra claro de 4 mm (0.2"), con distribución de luz variable, color de luz neutra 4000 K o cálido 3000 K o muy cálido 2200 K, ópticas certificadas totalmente cut-off contra la contaminación lumínica. Grupos ópticos compuestos de LED MULTIDIE de alta potencia, con refundición directa en circuitos de aluminio puro 15/10; Controlador LED em corriente constante Vdc. Diferentes tipos de funcionamiento / gestiòn (OF, DM, TLC, NLC, NEMA, LUMAWISE); Sistema de disipación de calor TCS (Termal Cooling

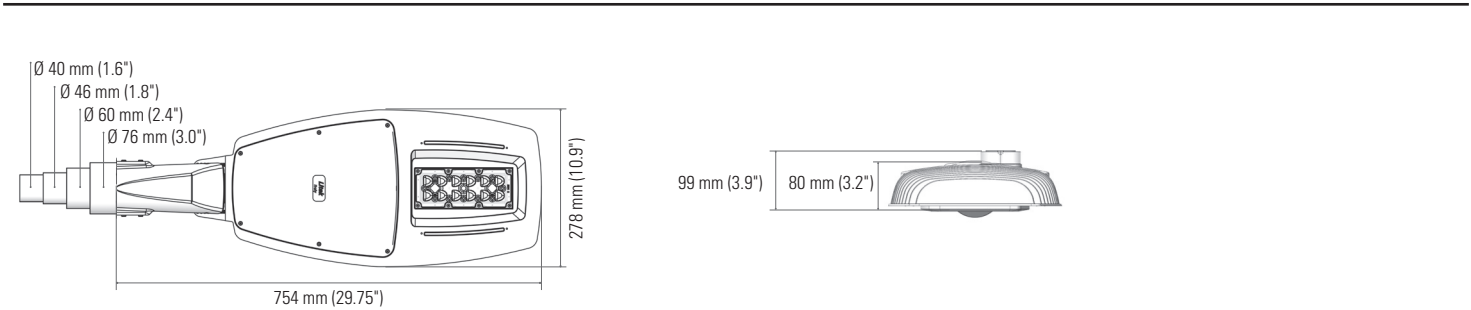
System) redundante, con intercambio de calor muy alto. Fuente de alimentación 100/305Volt 50/60Hz, corrección del factor de potencia a cos-fi ≥0.97 @115Vac, aislamiento clase 2, driver electrónico con control por microprocesador con muy alta eficiencia y con protección contra sobretensiones hasta 6k. Luminaria con grado de protección IP66 tanto para el compartimento técnico como para el compartimento óptico, cable de alimentación tipo AWG ya encabezado externamente por medio de un prensaestopas con ajuste variable, grado de protección contra impactos IK08 (con vidrio), IK09 (sin vidrio). Tornillería externas de acero inoxidable, dos tipos diferentes de fijación a poste adecuados para postes verticales ou brazos horizontales Ø 40/46/60 mm (1,6"/1,8"/2,4") o 60/76 mm (2,4"/3,0") y ajustables en pasos de 5° de 0° a 180°, dimensiones 754x278x80 mm (29.7"x10.9"x3.2") y peso 5 Kg (11 lbs). Diferentes accesorios disponibles, Certificación norteamericana cULus en curso, certificaciones Dekra: esquema internacional CB, ENEC y marcado CE. La luminaria es Made in Italy.

Version/Item Item	Wattage Potencia nominal (W)	Luminaire consumption Consumo (W)	Current Corriente (mA)	LED Flux Flujo de la luminaria Lm (Tj = 85°C, 4000K CRI70)	LED Flux Flujo de la luminaria Lm (Tj=85°C, 3000K CRI70)	LED Flux Flujo de la luminaria Lm (Tj=85°C, 2200K CRI70)
F1032BA4504B13	32	34	450	5880	5880	5004
F1036BA5104B13	36	39	510	6570	6570	5591
F1052BA7004B13	52	56	700	8654	8654	7364
F1050BA3504B13	50	54	350	9375	9375	7978
F1065BA4504B13	65	69	450	11760	11760	10007

OPTICS - ÓPTICAS

 BA=AS13 ME Street without glass/sin vidrio BB= AS13 ME Street with glass/con vidrio	 BC=AS14 Advance Street without glass/sin vidrio BD=AS14 Advance Street with glass/con vidrio	 BE=AS15 Wide Pedestrian without glass/sin vidrio BF=AS15 Wide Pedestrian with glass/con vidrio	 BG=AS16 Frontal/Parking without glass/sin vidrio BH=AS16 Frontal/Parking with glass/con vidrio
 BI=AS17 Pedestrian Crossings without glass/sin vidrio BL=AS17 Pedestrian Crossings with glass/con vidrio	 BM=AS18 Very Extensive without glass/sin vidrio BN= AS18 Very Extensive with glass/con vidrio	 BO=AS19 Very Extensive without glass/sin vidrio BP= AS19 Very Extensive with glass/con vidrio	 BQ=AS20 Very Extensive without glass/sin vidrio BR= AS20 Very Extensive with glass/con vidrio

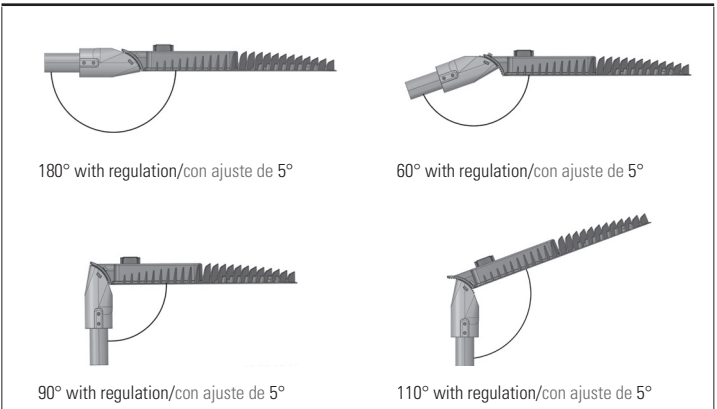
DIMENSIONS - DIMENSIONES



ACCESSORIES - ACCESORIOS

 F1TPB604640 d.60/46/40 mm (2.4"/1.8"/1.6") Universal top-post Punta poste universal	 F1TPB7660 d.76/60 mm (3.0"/2.4") Universal top-post Punta poste universal
 F1TPP60B L.150 mm - d.60 mm (5.9" - 2.4") Wall top-post Brazo de pared	 CONSEIP3P 3-pin IP66 disconnecting connector Conector seccionador de 3 polos IP66

UNIVERSAL TOP-POST - PUNTA POSTE UNIVERSAL



VERSIONS/OPTIONS - VERSIONES/OPCIONES

▲ Without glass - Sin vidrio ■ With glass - Con vidrio	Wattage Potencia nominal LED	Optic Óptic	LED Current Corriente LED	Light color Color claro	Luminaire color Color da luminaria	Type of operation Tipologías de funcionamientos	Insulation Class Clase de Aislamiento
	032 = 32W	▲ BA = AS13 ME Street	350 = 350mA	1= 2200 K	B = Anthracite Antracita	1 = OF On-off	3 = Class 2/Clase 2
	036 = 36W	■ BB = AS13 ME Street	450 = 450mA	3 = 3000 K		3 = DM Dimmable/ Regulable 1-10 Vdc	
	052 = 52W	▲ BC = AS14 Advance Street	510 = 510mA	4 = 4000 K		4 = TLC Remote control Control remoto	
	050 = 50W	■ BD = AS14 Advance Street	700 = 700mA			7 = NEMA Ansi C136 base/base	
	065 = 65W	▲ BE = AS15 Wide Pedestrian				8 = LUMAWISE Zhaga book 18 base/base	
		■ BF = AS15 Wide Pedestrian				9 = NLC No Limit Connection	
		▲ BG = AS16 Frontal/Parking					
		■ BH = AS16 Frontal/Parking					
		▲ BI = AS17 Pedestrian Crossings					
		■ BL = AS17 Pedestrian Crossings					
		▲ BM = AS18 Very Extensive					
		■ BN = AS18 Very Extensive					
		▲ BO = AS19 Very Extensive					
		■ BP = AS19 Very Extensive					
		▲ BQ = AS20 Very Extensive					
		■ BR = AS20 Very Extensive					

PLEASE NOTE: for all values /information on other optics and/or technical characteristics and/or tolerances, ask to the LITEK technical office (tecnico@litek.it) or refer to the section of the latest Catalog; the performance values of the luminaires may change without notice and/or according to market availability. Device output flux depends on the optics used.

TENGA EN CUENTA: para todos los valores / información sobre otras ópticas y / o especificaciones técnicas y / o tolerancias, también consulte a departamento técnico de Litek (tecnico@litek.it) o consulte la sección técnica del catálogo más actualizado vigente; Los valores de rendimiento pueden cambiar sin previo aviso y / o según la disponibilidad del mercado. El flujo luminoso de la luminaria depende de la óptica utilizada.

CODE COMPOSITION EXAMPLE - EJEMPLO DE COMPOSICIÓN DEL CÓDIGO

F1 032 BA 450 4 B 1 3	F1	032	BA	450	4	B	1	3
Item number Número de artículo	Luminaire/ Luminaria F1 = Fulgor 1	32W	Optic/Óptica BA	450mA	4000 K	Anthracite color Gris Antracita	OF On-off	Class 2/Clase 2

General:	
Series	Fulgor 1
Version / Item	See table
Type	LED luminaire for street lighting
Materials:	
Mechanical structure	Die-cast Aluminum
Degree of protection	IP66, impact resistance IK08 (with glass), IK09 (without glass version)
Screen	Extra clear 4mm (0.2") tempered glass for requested version only
Surface protection	Long-lasting polyester powder coating
Screws	External bolts in stainless steel Aisi-304
Color	Anthracite RAL-7016 embossed (Silver RAL-9006 embossed on request)
Weight	5 Kg. (11 lbs) Approx. (without glass)
Dimensions	754x278x80 mm (29.7"x10.9"x3.2")
Inclination	From 0° to 180° with 5° steps
Recommendations - References:	
Compliance	cULus pending, ENEC, CE marking and international certification CB Dekra, INMETRO pending
Applications:	
Lighting	Road, Street, cycle-pedestrian, perimeter buildings
Mounting	Horizontal and/or vertical pole head for Ø 40/46/60 mm (1.6"/1.8"/2.4") or 60/76 mm (2.4"/3.0") with accessories supplied in painted die-cast aluminium and variable inclination of 5° from 0° to 180°
Power supply cable	AWG type cable
Accessories	F1TPB604640, F1TPB7660, F1TPP60B, CONSEIP3P
Optics:	
Lumen Output (LED)	From 5880 to 11760 Lm @4000 K
Light color	4000 K (3000 K, 2200 K on request)
Optics	AS13, AS14, AS15, AS16, AS17, AS18, AS19, AS20 - High efficiency PC/PMMA optics
Color rendering index - CRI	70 (80 or 90 on request)
Electrical characteristics:	
LED Engine	MULTIDIE high-power LEDs, with direct welding on 15/10 pure aluminium circuits
Wattage	From 32 to 65W
Luminaire Consumption	From 34 to 69W
PFC Cos-fi	>0,97
Power supply	Voltage 100/305 Vac, frequency 50/60 Hz
Driver current	From 350 to 700 mA
Insulation class	Class 2
Heat management	TCS - Thermal Cooling System
Functionality	OF, DM, TLC, NLC, NEMA, LUMAWISE
Protection	Surge common mode / differential up to 6kV
Ambient storage temperature	-40° C / + 85° C
Ambient Operating Temperature	-40° C / + 50° C
LED lifetime	>100'000hr L80B10 @700 mA
Reference Standards Certification	cULus pending, ENEC, CE marking and international certification CB Dekra, INMETRO pending
Note:	Do not use the luminaire during daytime and/or in direct sunlight.

Marks/Marcas comerciales:


Pending















UNI EN ISO9001:2015 N°2764
CERTIFIED QUALITY
CALIDAD CERTIFICADA


Pending

General:	
Serie	Fulgor 1
Versión / Artículo	Ver tabla
Tipo	Luminaria LED para alumbrado público
Materiales:	
Estructura mecanica	Fundición a presión de aluminio
Grado de protección	IP66, resistencia al impacto IK08 (con vidrio), IK09 (vers. sin vidrio)
Pantalla	Vidrio templado extra claro de 4 mm (0.2") bajo pedido
Protección + tratamiento superficial	Recubrimiento en polvo de poliéster de larga duración
Tornillos	Pernos externos en acero inoxidable Aisi-304
Color	Gris Antracita RAL 7016 en relieve (Gris Plata RAL 9006 en relieve sobre pedido)
Peso	5 Kg. (11 lbs) Aprox. (sin vidrio)
Dimensiones	754x278x80 mm (29.7"x10.9"x3.2")
Inclinación	De 0° a 180° en pasos de 5°
Recomendaciones - referencias:	
Conformidad	cULus en curso, ENEC, marcado CE y certificación internacional CB Dekra, INMETRO en curso
Aplicaciones:	
Iluminación	Calle, Carretera, ciclopeatonal, edificios perimetrales
Montaje	Punta Postes horizontales y / o verticales para Ø 40/46/60 mm (1.6"/1.8"/2.4") o 60/76 mm (2.4"/3.0") con los accesorios suministrados en aluminio inyectado pintado e inclinación variable de 5° de 0° a 180°
Cable de alimentación	Cable de tipo AWG
Accesorios	F1TPB604640, F1TPB7660, F1TPP60B, CONSEIP3P
Ópticas:	
Flujo nominal	De 5880 a 11760 Lm @4000 K
Color claro	4000 K (3000 K, 2200 K bajo pedido)
Ópticas	AS13, AS14, AS15, AS16, AS17, AS18, AS19, AS20 - Óptica PMMA de alta eficiencia
Color rendering index - CRI	70 (80 o 90 bajo pedido)
Características electricas:	
Grupo de LED	MULTIDIE carretera, con fundición directa en circuitos de aluminio puro desde 15/10
Potencia nominal LED	De 32 a 65W
Consumo da lumnaria	De 34 a 69W
PFC Cos-fi	>0,97
Potencia	Voltaje 100/305 Vac, frecuencia 50/60 Hz
Corriente Driver	De 350 a 700 mA
Clase de Aislamiento	Clase 2
Disipación	TCS - Thermal Cooling System
Funcionamientos	OF, DM, TLC, NLC, NEMA, LUMAWISE
Protección	Sobretensiones en modo común / diferencial hasta 6kV
Temperatura de almacenamiento	-40° C / + 85° C
Temperatura de funcionamiento	-40° C / + 50° C
Vida de fuente LED	>100'000hr L80B10 @700 mA
Estándares de referencia Certificaciones	cULus en curso, ENEC, marcado CE y certificación internacional CB Dekra, INMETRO en curso
Notas:	No utilice el dispositivo durante el día y / o bajo la luz solar directa.


North America
Certification pending


05







Certifications: ENEC N° 81-110730
- CB N° NL-61338 issued by Dekra
Certificaciones: ENEC N° 81-110730
- B N° NL-61338 emitido por Dekra


Standards pending
Certificación en curso

FUNCTIONS - TIPOLOGÍAS DE FUNCIONAMIENTOS

NEW 2021

- OF on-off

- DM Dimmable 1-10Vdc

- TLC Remote control

- NLC - No Limit Connection

- NEMA - Ansi C136 base

- LUMAWISE - Zhaga book 18 base

Without glass version

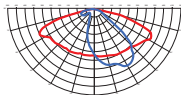
With glass version
4mm (0.2") tempered

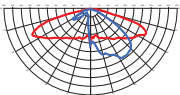
NEMA

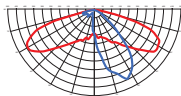
LUMAWISE

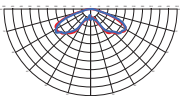
NEW 2021 NLC

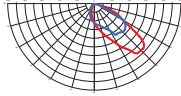
OPTICS - ÓPTICAS

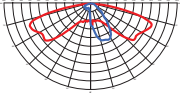

BA=AS13 ME Street
without glass/sin vidrio
BB= AS13 ME Street
with glass/con vidrio

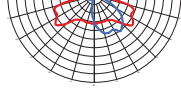

BC=AS14 Advance Street
without glass/sin vidrio
BD=AS14 Advance Street
with glass/con vidrio

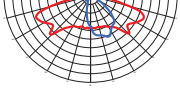

BE=AS15 Wide Pedestrian
without glass/sin vidrio
BF=AS15 Wide Pedestrian
with glass/con vidrio


BG=AS16 Frontal/Parking
without glass/sin vidrio
BH=AS16 Frontal/Parking
with glass/con vidrio


BI=AS17 Pedestrian Crossings
without glass/sin vidrio
BL=AS17 Pedestrian Crossings
with glass/con vidrio


BM=AS18 Very Extensive
without glass/sin vidrio
BN= AS18 Very Extensive
with glass/con vidrio


BO=AS19 Very Extensive
without glass/sin vidrio
BP= AS19 Very Extensive
with glass/con vidrio

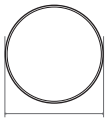

BQ=AS20 Very Extensive
without glass/sin vidrio
BR= AS20 Very Extensive
with glass/con vidrio

AVAILABLE TOP-POST SIZE - TIPOS DIFERENTES DE FIJACIÓN A POSTE


d. 40 mm (1.6")


d. 46 mm (1.8")


d. 60 mm (2.4")


d. 76 mm (3.0")

ACCESSORIES - ACCESORIOS



F1TPB604640
d.60/46/40 mm
(2.4"/1.8"/1.6")
Universal top-post
Punta poste universal



F1TPB7660
d.76/60 mm
(3.0"/2.4")
Universal top-post
Punta poste universal



F1TPP60B
L.150 mm - d.60 mm
(5.9"- 2.4")
Wall top-post
Brazo de pared



CONSEIP3P
3-pin IP66
disconnecting connector
Conector seccionador
de 3 polos IP66

WATTAGE - POTENCIA NOMINAL LED

32W
36W
52W
50W
65W

LIGHT COLOR - COLOR CLARO

4000 K
3000 K
2200 K

FULGOR 2	High efficiency LED luminaire for streets and urban city centers	Luminaria LED para alumbrado público y mobiliario urbano	4th generation/4^a generación Design R&D Litek
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FULGOR 2	High efficiency LED luminaire for streets and urban city centers	Luminaria LED para alumbrado público y mobiliario urbano	4th generation/4^a generación Design R&D Litek
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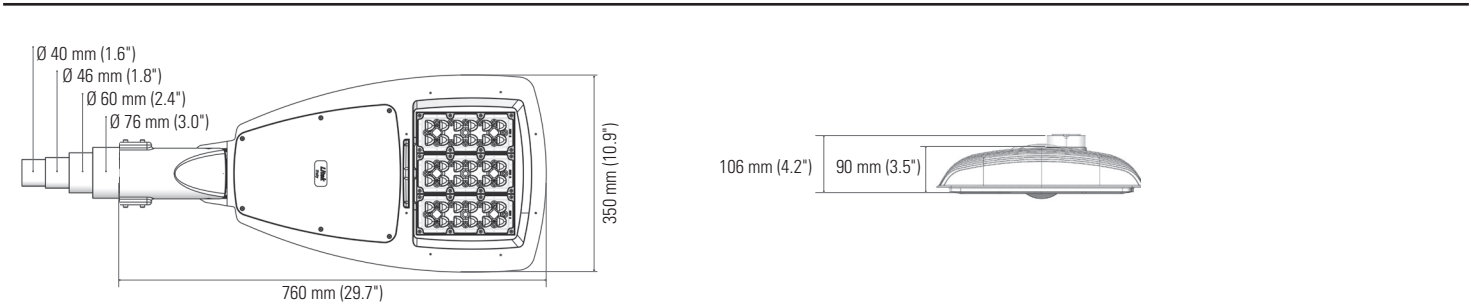
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Version/Item Item	Wattage Potencia nominal (W)	Luminaire consumption Consumo (W)	Current Corriente (mA)	LED Flux Flujo de la luminaria Lm (Tj = 85°C, 4000K CRI70)	LED Flux Flujo de la luminaria Lm (Tj=85°C, 3000K CRI70)	LED Flux Flujo de la luminaria Lm (Tj=85°C, 2200K CRI70)
F2076BA5304B13	76	82	530	13595	13595	11569
F2098BA6804B13	98	104	680	16883	16883	14367
F2110BA5104B13	110	119	510	19713	19713	16775
F2133BA6154B13	133	142	615	23221	23221	19761
F2148BA6804B13	148	158	680	25325	25325	21551
F2147BA3404B13	147	157	340	27392	27392	23310

OPTICS - ÓPTICAS

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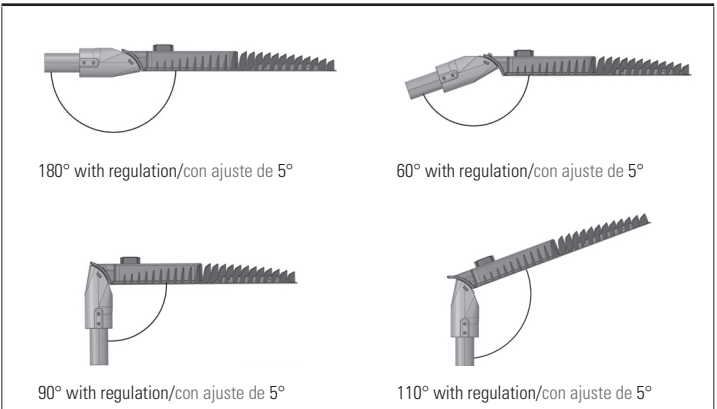
DIMENSIONS - DIMENSIONES



ACCESSORIES - ACCESORIOS

 F2TPB604640 d.60/46/40 mm (2.4"/1.8"/1.6") Universal top-post Punta poste universal	 F2TPB7660 d.76/60 mm (3.0"/2.4") Universal top-post Punta poste universal
 F2TTP60B L.150 mm - d.60 mm (5.9" - 2.4") Wall top-post Brazo de pared	 CONSEIP3P 3-pin IP66 disconnecting connector Conector seccionador de 3 polos IP66

UNIVERSAL TOP-POST - PUNTA POSTE UNIVERSAL



VERSIONS/OPTIONS - VERSIONES/OPCIONES

Without glass - Sin vidrio With glass - Con vidrio	Wattage Potencia nominal LED	Optic Óptic	LED Current Corriente LED	Light color Color claro	Luminaire color Color da luminaria	Type of operation Tipologías de funcionamientos	Insulation Class Clase de Aislamiento
▲ BA = AS13 ME Street ■ BB = AS13 ME Street ▲ BC = AS14 Advance Street ■ BD = AS14 Advance Street ▲ BE = AS15 Wide Pedestrian ■ BF = AS15 Wide Pedestrian ▲ BG = AS16 Frontal/Parking ■ BH = AS16 Frontal/Parking ▲ BI = AS17 Pedestrian Crossings ■ BL = AS17 Pedestrian Crossings ▲ BM = AS18 Very Extensive ■ BN = AS18 Very Extensive ▲ BO = AS19 Very Extensive ■ BP = AS19 Very Extensive ▲ BQ = AS20 Very Extensive ■ BR = AS20 Very Extensive	076 = 76W 098 = 98W 110 = 110W 133 = 133W 148 = 148W 147 = 147W		340 = 340mA 510 = 510mA 530 = 530mA 615 = 615mA 680 = 680mA	1= 2200 K 3 = 3000 K 4 = 4000 K	B = Anthracite Antracita	1 = OF On-off 3 = DM Dimmable/ Regulable 1-10 Vdc 4 = TLC Remote control Control remoto 7 = NEMA Ansi C136 base/base 8 = LUMAWISE Zhaga book 18 base/base 9 = NLC No Limit Connection	3 = Class 2/Clase 2

PLEASE NOTE: for all values /information on other optics and/or technical characteristics and/or tolerances, ask to the LITEK technical office (tecnico@litek.it) or refer to the section of the latest Catalog; the performance values of the luminaires may change without notice and/or according to market availability. Device output flux depends on the optics used.
TENGA EN CUENTA: para todos los valores / información sobre otras ópticas y / o especificaciones técnicas y / o tolerancias, también consulte a departamento técnico de Litek (tecnico@litek.it) o consulte la sección técnica del catálogo más actualizado vigente; Los valores de rendimiento pueden cambiar sin previo aviso y / o según la disponibilidad del mercado. El flujo luminoso de la luminaria depende de la óptica utilizada.

CODE COMPOSITION EXAMPLE - EJEMPLO DE COMPOSICIÓN DEL CÓDIGO

F2 076 BA 530 4 B 1 3	F2	076	BA	530	4	B	1	3
Item number Número de artículo	Luminaire/ Luminaria F2 = Fulgor 2	76W	Optic/Óptica BA	530mA	4000 K	Anthracite color Gris Antracita	OF On-off	Class 2/Clase 2

General:	
Series	Fulgor 2
Version / Item	See table
Type	LED luminaire for street lighting
Materials:	
Mechanical structure	Die-cast Aluminium
Degree of protection	IP66, impact resistance IK08 (with glass), IK09 (without glass version)
Screen	Extra clear 4mm (0.2") tempered glass for requested version only
Surface protection	Long-lasting polyester powder coating
Screws	External bolts in stainless steel Aisi-304
Color	Anthracite RAL-7016 embossed (Silver RAL-9006 embossed on request)
Weight	7 Kg. (15.4 lbs) Approx. (without glass)
Dimensions	760x350x90 mm (29.7"x10.9"x3.5")
Inclination	From 0° to 180° with 5° steps
Recommendations - References:	
Compliance	cULus pending, ENEC, CE marking and international certification CB Dekra, INMETRO pending
Applications:	
Lighting	Road, Street, cycle-pedestrian, perimeter buildings
Mounting	Horizontal and/or vertical pole head for Ø 40/46/60 mm (1.6"/1.8"/2.4") or 60/76 mm (2.4"/3.0") with accessories supplied in painted die-cast aluminium and variable inclination of 5° from 0° to 180°.
Power supply cable	AWG type cable
Accessories	F2TPB604640, F2TPB7660, F2TPP60B, CONSEIP3P
Optics:	
Lumen Output (LED)	From 13595 to 27392 Lm @4000 K
Light color	4000 K (3000 K, 2200 K on request)
Optics	AS13, AS14, AS15, AS16, AS17, AS18, AS19, AS20 High efficiency PC/PMMA optics
Color rendering index - CRI	70 (80 or 90 on request)
Electrical characteristics:	
LED Engine	MULTIDIE high-power LEDs, with direct welding on 15/10 pure aluminium circuits
Wattage	From 76 to 148 W
Luminaire Consumption	From 82 to 158 W
PFC Cos-fi	>0,97
Power supply	Voltage 100/305 Vac, frequency 50/60 Hz
Driver current	From 340 to 680 mA
Insulation class	Class 2
Heat management	TCS - Thermal Cooling System
Functionality	OF, DM, TLC, NLC, NEMA, LUMAWISE
Protection	Surge common mode / differential up to 6kV
Ambient storage temperature	-40° C / + 85° C
Ambient Operating Temperature	-40° C / + 50° C
LED lifetime	>100'000hr L80B10 @700 mA
Reference Standards Certification	cULus pending, ENEC, CE marking and international certification CB Dekra, INMETRO pending
Note:	Do not use the luminaire during daytime and/or in direct sunlight.

General:	
Serie	Fulgor 2
Versión / Artículo	Ver tabla
Tipo	Luminaria LED para alumbrado público
Materiales:	
Estructura mecanica	Fundición a presión de aluminio
Grado de protección	IP66, resistencia al impacto IK08 (con vidrio), IK09 (vers. sin vidrio)
Pantalla	Vidrio templado extra claro de 4 mm (0.2") bajo pedido
Protección + tratamiento superficial	Recubrimiento en polvo de poliéster de larga duración
Tornillos	Pernos externos en acero inoxidable Aisi-304
Color	Gris Antracita RAL 7016 en relieve (Gris Plata RAL 9006 en relieve sobre pedido)
Peso	7 Kg. (15.4 lbs) Aprox. (sin vidrio)
Dimensiones	760x350x90 mm (29.7"x10.9"x3.5")
Inclinación	De 0° a 180° en pasos de 5°
Recomendaciones - referencias:	
Conformidad	cULus en curso, ENEC, marcado CE y certificación internacional CB Dekra, INMETRO en curso
Aplicaciones:	
Iluminación	Calle, Carretera, ciclopeatonal, edificios perimetrales
Montaje	Punta Postes horizontales y / o verticales para Ø 40/46/60 mm (1.6"/1.8"/2.4") o 60/76 mm (2.4"/3.0") con los accesorios suministrados en aluminio inyectado pintado e inclinación variable de 5° de 0° a 180°
Cable de alimentación	Cable de tipo AWG
Accesorios	F2TPB604640, F2TPB7660, F2TPP60B, CONSEIP3P
Ópticas:	
Flujo nominal	De 13595 a 27392 Lm @4000 K
Color claro	4000 K (3000 K, 2200 K bajo pedido)
Ópticas	AS13, AS14, AS15, AS16, AS17, AS18, AS19, AS20 Óptica PMMA de alta eficiencia
Representación del color - IRC - RA	70 (80 o 90 bajo pedido)
Características electricas:	
Grupo de LED	MULTIDIE carretera, con fundición directa en circuitos de aluminio puro desde 15/10
Potencia nominal LED	De 76 a 148 W
Consumo da lumnaria	De 82 a 158 W
PFC Cos-fi	>0,97
Potencia	Voltaje 100/305 Vac, frecuencia 50/60 Hz
Corriente Driver	De 340 a 680 mA
Clase de Aislamiento	Clase 2
Disipación	TCS - Thermal Cooling System
Funcionamientos	OF, DM, TLC, NLC, NEMA, LUMAWISE
Protección	Sobretensiones en modo común / diferencial hasta 6kV
Temperatura de almacenamiento	-40° C / + 85° C
Temperatura de funcionamiento	-40° C / + 50° C
Vida de fuente LED	>100'000hr L80B10 @700 mA
Estándares de referencia Certificaciones	cULus en curso, ENEC, marcado CE y certificación internacional CB Dekra, INMETRO en curso
Notas:	No utilice el dispositivo durante el día y / o bajo la luz solar directa.

Marks/Marcas comerciales:


Pending















UNI EN ISO9001:2015 N°2764
CERTIFIED QUALITY
CALIDAD CERTIFICADA


Pending


North America
Certification pending



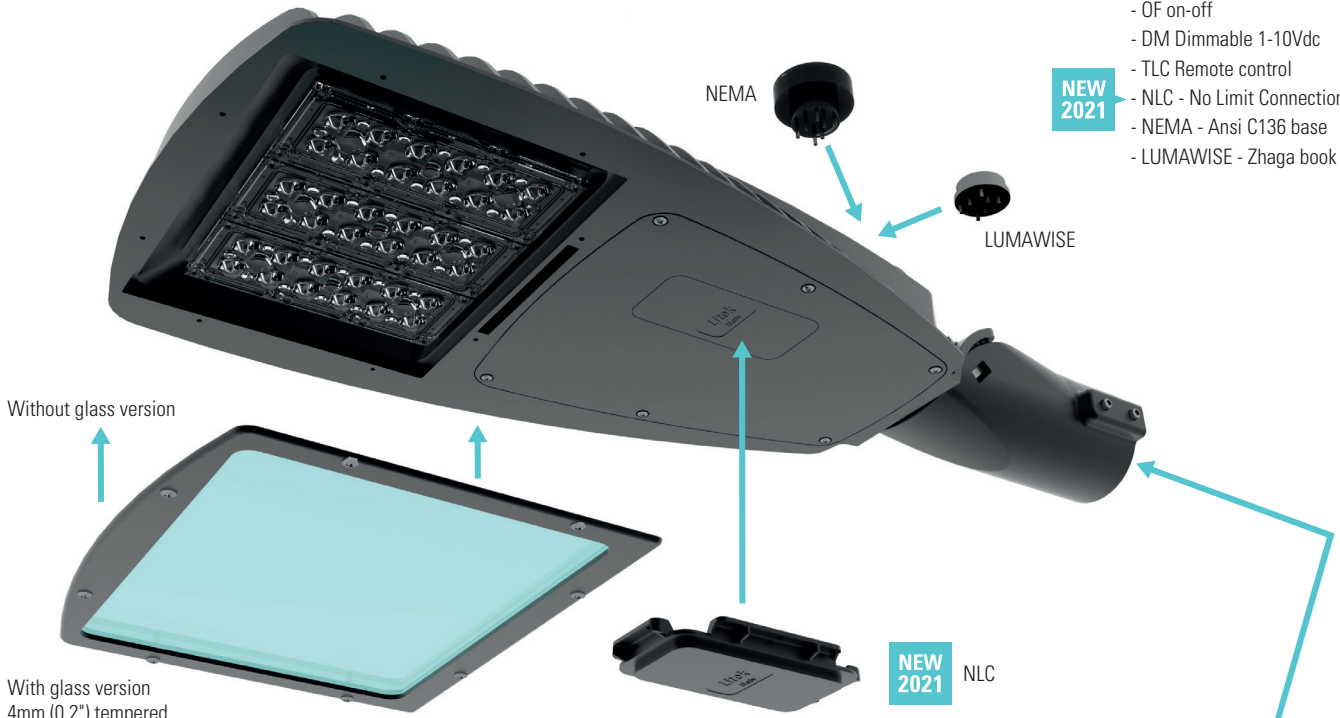






Certifications: ENEC N° 81-110730
- CB N° NL-61338 issued by Dekra
Certificaciones: ENEC N° 81-110730
- B N° NL-61338 emitido por Dekra


Standards pending
Certificación en curso



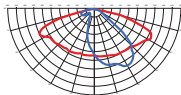
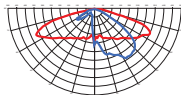
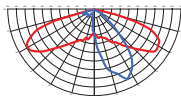
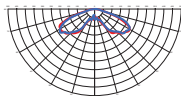
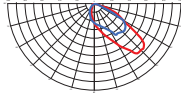
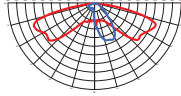
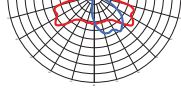
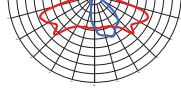
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FUNCTIONS - TIPOLOGÍAS DE FUNCIONAMIENTOS

- OF on-off
- DM Dimmable 1-10Vdc
- TLC Remote control
- NLC - No Limit Connection
- NEMA - Ansi C136 base
- LUMAWISE - Zhaga book 18 base

OPTICS - ÓPTICAS

 BA=AS13 ME Street without glass/sin vidrio BB= AS13 ME Street with glass/con vidrio	 BC=AS14 Advance Street without glass/sin vidrio BD=AS14 Advance Street with glass/con vidrio
 BE=AS15 Wide Pedestrian without glass/sin vidrio BF=AS15 Wide Pedestrian with glass/con vidrio	 BG=AS16 Frontal/Parking without glass/sin vidrio BH=AS16 Frontal/Parking with glass/con vidrio
 BI=AS17 Pedestrian Crossings without glass/sin vidrio BL=AS17 Pedestrian Crossings with glass/con vidrio	 BM=AS18 Very Extensive without glass/sin vidrio BN= AS18 Very Extensive with glass/con vidrio
 BO=AS19 Very Extensive without glass/sin vidrio BP= AS19 Very Extensive with glass/con vidrio	 BQ=AS20 Very Extensive without glass/sin vidrio BR= AS20 Very Extensive with glass/con vidrio

AVAILABLE TOP-POST SIZE - TIPOS DIFERENTES DE FIJACIÓN A POSTE

			
d. 40 mm (1.6")	d. 46 mm (1.8")	d. 60 mm (2.4")	d. 76 mm (3.0")

ACCESSORIES - ACCESORIOS

 F2TPB604640 d.60/46/40 mm (2.4"/1.8"/1.6") Universal top-post Punta poste universal	 F2TPB7660 d.76/60 mm (3.0"/2.4") Universal top-post Punta poste universal
 F2TPP60B L.150 mm - d.60 mm (5.9"- 2.4") Wall top-post Brazo de pared	 CONSEIP3P 3-pin IP66 disconnecting connector Conector seccionador de 3 polos IP66

WATTAGE - POTENCIA NOMINAL LED

76W
98W
110W
133W
148W
147W

LIGHT COLOR - COLOR CLARO

4000 K
3000 K
2200 K



SAVIGNANO S.R. - ITALY



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