

LIGHTING FIXTURE FOR TUNNEL
LUMINARIA PARA ILUMINACIÓN DE TÚNELES Y BAJO PUENTES

CB international standards certification pending



The latest generation of high performance LED fixtures for specific illumination of tunnels. Made with a pressure fused aluminum body (Litek R&D design) and an innovative self-cleaning function, with minimal wind exposure and reduced accumulation of dust specifically designed for LED technology. The lighting optic is sealed with a protective 4 mm screen of tempered extra clear safety glass, and an anodizing aluminium treatment with a long-lasting polyester powder exterior paint in "Dark Grey" and embossed RAL 7016 ("Silver" RAL 9006 colour is available on request). Different street lighting optics are available. Choose from standard neutral shades of light (4000° K), warm (3000° K) or cool (5000° K). Certified full cut-off for light emissions, eliminating light pollution and CB Scheme European safety certification pending. The new MULTICHIP LED is ceramic based for direct welding, electrically isolated from the heat dissipation system and powered by constant current Vdc. There are different functions including the LITEK heat dissipation system, TCS (Thermal Cooling System) and automatic temperature safety control. The fixture is suitable for 24h functioning. Cable for power supply: H07RNF 3x1.5mmq with attachment CEE 2P+T 16A IP67. Power supply: 200/300Volt 50/60 Hz and cos-φ ≥0.9. Insulation class 1 or 2. Minimum grade of protection: IP66. Connection box with separate access from the optics compartment. Impact resistance: IK08. Anti-condensation system GORE-TEX® patented. Stainless steel bolts. Other accessories available.

Luminaria LED para túnel de última generación y alto rendimiento, en fundición a presión de aluminio (Diseño R&D Litek), con innovador diseño de autolimpieza y mínima exposición al viento y acumulación de polvo, grupo óptico sellado con cristal protector plano en vidrio templado de seguridad transparente de 4 mm extra claro, tratamiento protector de aluminio anodizado y aplicación de pintura poliéster en polvo de alta duración para exterior en color "Gris Antracita" RAL 7016 en relieve ("Gris Plata" RAL 9006 sobre pedido). Ópticas VIALES, simétricas a distribución luminosa variable, tonalidad estándar de luz neutra (4000° K), cálida (3000° K) o fría (5000° K), emisión de luz certificada totalmente cut-off bajo la norma LL.RR. contra la contaminación lumínica, certificación de seguridad europea CB Scheme en curso. Nuevos MULTICHIP LED a base de cerámica para refundición directa, LED eléctricamente aislado del sistema de disipación térmica, sistema en voltaje constante Vdc, diferentes tipos de funcionamiento/gestión; sistema LITEK de disipación de calor TCS (Thermal Cooling System) redundante y con control automático de la temperatura, adecuado funcionamiento las 24 hrs., con cable de alimentación H07RNF 3x1,5 mmq y con enchufe CEE 2P+T de 16A IP67, alimentación 200/300Volt 50/60 Hz e cos-φ ≥0,9, clase de aislamiento 1 o 2, grado de protección IP66, caja para conexiones de cableado con accesorios separados de óptica. Resistencia a los golpes IK08, sistema anticondensación patentado GORE-TEX®, tornillería en acero inoxidable, diversos accesorios de anclaje disponibles.



FUTA

Order Code Código Producto Item coding pag. 124 Codificación de artículos pag. 124	Power Potencia	Optics Óptica	LED Flux Flujo LED	LED Current Amperaje LED	Light Colour Color Luz	Interface module colour Color interfaz	Function Funcionamiento Please refer to pag. 118 Consulte página 118	Insulation Class Clase de Aislamiento
Versions/Versiones STANDARD								
FU046AA5104B12	046 = 46W	AA = AS7	7127 Lm	510 = 510 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU063AA7004B12	063 = 63W	AA = AS7	9440 Lm	700 = 700 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU061AA3504B12	061 = 61W	AA = AS7	10240 Lm	350 = 350 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU080AA4504B12	080 = 80W	AA = AS7	12750 Lm	450 = 450 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU095AA5304B12	095 = 95W	AA = AS7	14254 Lm	530 = 530 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU110AA6304B12	110 = 110W	AA = AS7	17200 Lm	630 = 630 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU125AA7004B12	125 = 125W	AA = AS7	18880 Lm	700 = 700 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
Versions/Versiones ECO NEW								
FU025AA5304B12	025 = 25W	AA = AS7	4380 Lm	530 = 530 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU035AA7004B12	035 = 35W	AA = AS7	5550 Lm	700 = 700 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU032AA3504B12	032 = 32W	AA = AS7	6085 Lm	350 = 350 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU042AA4504B12	042 = 42W	AA = AS7	7600 Lm	450 = 450 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU048AA5104B12	048 = 48W	AA = AS7	8470 Lm	510 = 510 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
FU069AA7004B12	069 = 69W	AA = AS7	11098 Lm	700 = 700 mA	4 = 4000°K	B = Dark Grey/Antracita	1 = OF on/off	2 = Class/Clase 2
Options/Versions Opciones/Versiones								
		NEW	AB = 4AS7		2 = 2700°K	A = Grey/Gris	0 = RO Rotary scenario Rotación multi escenas	1 = Class/Clase 1
			AC = AS7SA		3 = 3000°K			
			AD = AS8		5 = 5000°K		2 = DMP night reduction program reducción nocturna	
			AE = AS9				3 = DM dimmable atenuable 1-10 Vdc	
			AF = AS10				4 = TLC remote control telecontrol	
			AG = AS11				5 = DA dimmable atenuable DALI	
			AH = AS12				6 = V12 power supply alimentación 12Vdc	
			AI = 3DMU				7 = V24 power supply alimentación 24Vdc	
			AL = CS					
			AN = SA					
			AO = 50°					
		NEW	AR = 50SA					
			AP = 120°					
Accessories Accesorios								
OVS02			SPD Protection against differential overvoltages - Protección sobretensión: 10kV IP66 CL.2					



lighting

LED VISION | SINCE 2007 |

Applications

Tunnels and under bridges.

Characteristics

- LED designed pressure fused aluminium body
- High efficiency PMMA optics
- Flat protective diffuser with 4 mm extra clear tempered glass for security
- Anodized aluminum treatment
- Polyester powder paint colour: “Dark Grey” and embossed RAL 7016 (“Silver” RAL 9006 colour is available on request)
- Grade of protection: IP66
- Impact resistance: IK08
- Insulation Class 1 or 2
- TCS - Thermal Cooling System
- Full cut-off
- Stainless steel screws
- CB international standards certification pending
- Photobiological safety, refer to EN 62471:2008 and IEC/TI 62471:2009
- Made in Italy - EU - CE mark
- Overall dimensions: 320x320x75 mm. Weight: about 5 kg.

Advantages and Options

- High performance and maximum management benefits
- Functional versions: OF - RO - DMP - DM - TLC - DA - V12 - V24
- Automatic temperature control
- Dimmable/Programmable
- Minimal maintenance and quick cleaning
- Option of supplementary protection against power-line surges
- Long life reliability
- High efficiency PMMA optics for entrance and internal zone of the gallery

Mounting

Underchannel or wall bracket
Horizontal

Aplicaciones

Túneles y bajo puentes.

Caratteristiche tecniche

- Carcaza en fundición a presión de aluminio
- Ópticas de alta eficiencia en PMMA
- Vidrio de seguridad templado de 4 mm extra claro
- Tratamiento de anodización del aluminio
- Pintura poliéster en polvo en color “Gris Antracita” RAL 7016 en relieve (“Gris Plata” RAL 9006 sobre pedido)
- Grado de protección IP66
- Resistencia a los golpes IK08
- Clase de aislamiento 1 o 2
- TCS - Thermal Cooling System
- Totalmente cut-off conforme a LL.RR.
- Tornillería externa en acero inoxidable
- Certificación internacional CB en curso
- Seguridad fotobiológica normativa EN 62471:2008 e IEC/TI 62471:2009
- Hecho en Italia - EU - CE
- Dimensiones: 320x320x75 mm, peso 5 Kg. aprox.

Ventajas-Opciones

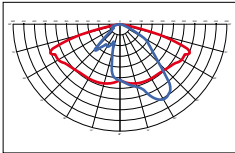
- Gran rendimiento y máximos beneficios operativos
- Funcionamiento: OF - RO - DMP - DM - TLC - DA - V12 - V24
- Control automático de la temperatura
- Atenuable/Programable
- Rápida limpieza y mínimo mantenimiento
- Opción de protección complementaria de sobretensión en línea
- Larga vida útil y amplia fiabilidad
- Óptica de alta eficiencia en PMMA para una iluminación eficaz

Instalación

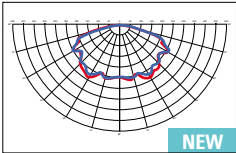
Soporte de pared o charola para cables
Horizontal

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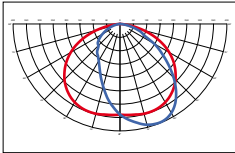
OPTICS
ÓPTICAS



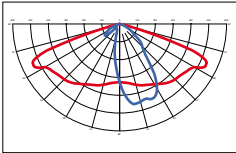
AS7 = Advance street



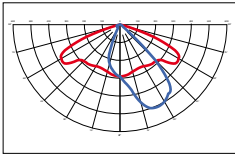
4AS7 = Very wide diffuser



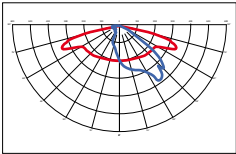
AS7SA = Advance diffuser



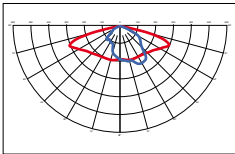
AS8 = Cycling/Narrow street



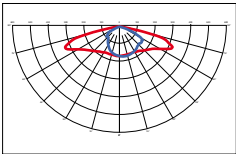
AS9 = Narrow interpost



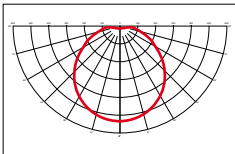
AS10 = ME street



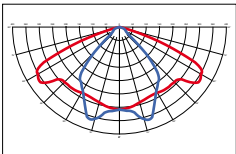
AS11 = Spacing



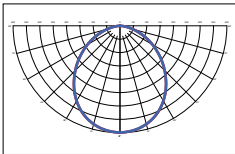
AS12 = Wide Spacing



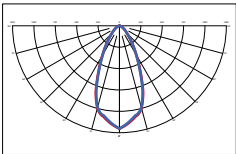
3DMU = Space diffuser



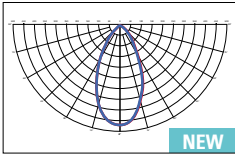
CS = Central street



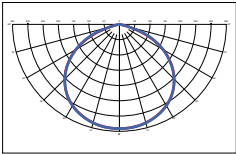
SA = Satin diffuser



50 = Medium flood 50°



50SA = Medium flood 50SA



120 = Wide flood 120°

Please refer to pag 120/121 Para mayores referencias, consulte página 120/121



LED flux (Lm): please check any upgrades on the website www.litek.it or use the QR option.
Flujo LED (Lm): verifique la actualización de forma continua a través de la página web o utilice el servicio QR.

