

Product Description

Dot fuel is the perfect balance of price and performance with increased efficiency, a flexible lighting solution that can be easily adopted for new and retrofit applications. Available with gas stations - specific lumen packages and lenses, Dot. Fuel can be built-in into metal ceilings as required, which results in great installation flexibility and much more: its mounting options, make it perfect not only for petroleum but for a far greater range of covered canopy applications. Thanks to compact design characterized by innovative heatsink and low weight fuel can be mounted easily recessed from below the canopy deck in few minutes, providing the best-in-class solution.

Applications: Canopy fuel, fuel stations, soffits

Performance Summary

Efficacy: up to 160lm/W

Initial Delivered LED Lumens: up to 12900 lm

Lifetime color consistency: 4SDM

Limited Warranty: 5 years on luminaire

Extended warranty (up to 10 years) available for approved projects. Contact ADLT for further information.



Ordering Information

Eg: KTEA-S-PA-8L-407-+-A-WH-S-S-01+ S13DSF0-FX001

KTEA	- S	- PA	- 8L	- 407	- +	- A	- WH	- S	- S	- S	- 01
Product	Mounting	Optic	Lumen Package	CCT	Insulation Class	Voltage	Finish	Options	Variant	Protection	Cable length
KTEA Energy Fuel ECO Version A	S No-Mount	PA Petroleum Asymmetric	8L	407 4000K CRI70	+ Class 1	A 220-240V	WH White	S* Standard	S No socket/ No sensor	S By driver	01 Exit Cable 0,5 m
		PS Petroleum Symmetric	12L	507 5700K CRI70							
KTPA Energy Fuel PLUS Version A	P No-Mount with IP66 BOX		8L	407 4000K CRI70	+ Class 1	A 220-240V	WH White	S* Standard	S No socket/ No sensor	S By driver	01 Exit Cable 0,5 m
			12L	507 5700K CRI70							

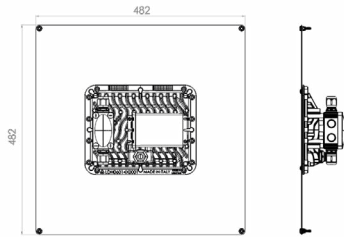
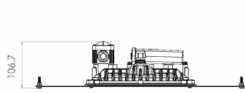
*Choose program from standard listed

ACCESSORIES - CONNECTOR KIT	
KT-IP68CONNECTOR-2WAY-B701T-30R	IP68 2 way T Connector
KT-IP68CONNECTOR-1WAY-B701-20R	IP68 1 way T Connector

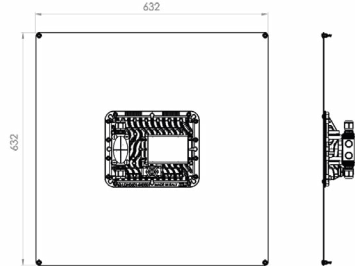
ACCESSORIES - PROTECTION KIT	
KT-KIT-IP66-U+10	Kit IP66 Protection-SPD class I 10kV
KT-KIT-IP66-U^10	Kit IP66 Protection-SPD class II 10kV
KT-KIT-IP66-U+10-F	Kit IP66 Protection-SPD 10kV Class I +Fuse
KT-KIT-IP66-U^10-F	Kit IP66 Protection-SPD 10kV Class II <Fuse
KT-KIT-IP66-F	Kit IP66 Protection-Fuse

Dimensions

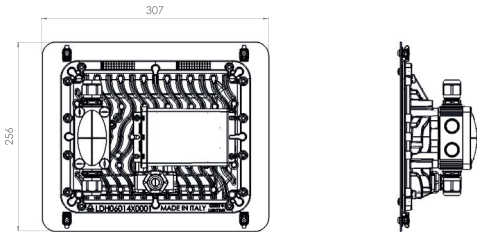
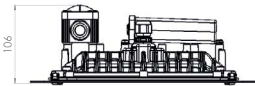
KT-PTR-SQ450-S-WH



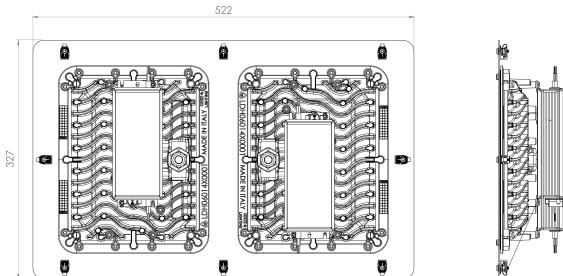
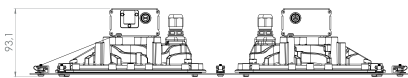
KT-PTR-SQ600-S-WH



KT-PTR-SQ-WH



KT-PTR-SQ2-WH



KIT REFITTING PETROL

KT-PTR-SQ-#*-WH	Mounting Kit for New Installation
KT-PTR-SQ2-#*-WH	Mounting Kit for New Installation Double
KT-PTR-SQ450-#*-WH	Refitting Petrol Plate 450x450 mm
KT-PTR-SQ600-#*-WH	Refitting Petrol Plate 600x600 mm

*Choose S or Z for Standard or Zhaga variant

FEATURES

- Full cut-off optics and PCB LEDs compliant with Zhaga Book 15
- LED Lumen output up to 12900lm
- Zhaga Book 15 compliant LED module efficiency (excluding optical system): ≥ 185 lm/W
- Luminaire efficiency (including optical losses): up to 160 lm/W
- CCT: 4000K Ra70, 5700K Ra70
- Initial Chromatic Selection: ≤ 4 -Step MacAdam ellipse or $\Delta u'v' \leq 0.003$ (LM80:08)
- Colour variation at 6,000 hours: ≤ 7 -Step MacAdam ellipse or $\Delta u'v' \leq 0.007$ (LM80:08)
- Luminous flux maintenance factor: L97B10 up to $>100,000$ hours $T_a=25^\circ\text{C}$ (According to IESNA TM-21)
- Protection Degree: IP66 / IK10
- Overvoltage protection: up to 10kV CM/DM according to EN61000-4-5 and EN 61547
- Driver equipped with over-temperature protection for optimal performance and safety
- Power factor: ≥ 0.98 at full load
- Operating temperature: -40°C up to $+50^\circ\text{C}$

CONSTRUCTION AND MATERIALS

- Die-cast aluminum body with low copper content
- Innovative heat-sink design
- 4mm thick ultra clear transparent glass protection screen
- Replaceable PMMA lenses
- Replaceable LED board equipped with ESD protection
- Cable type H07RN-F (Cable length up to 50cm)
- Easy installation
- Practicality in ordinary and extraordinary maintenance
- Luminaire assembled without the use of adhesives, completely disassembled and recyclable
- Ultra durable litemstrong glass clips

WARRANTY AND CERTIFICATIONS

- Warranty: 5 years
- CE mark/CB mark/ENEC mark/RoHs/RCM mark Pending
- Risk group exempt in accordance with Standard CEI EN 62471 for photobiological safety (Tested IEC/TR62778)
- Compliant to: EN 60598-1; EN 60598-2-3
- Lead-free powder coatings with excellent exterior durability, conforms to the requirements:
 - Adhesion - test comply with ISO 2409
 - Salt spray - test NSS comply with ISO 9227
 - Accelerated Weathering - test UV comply with ISO 16474-2 (ex ISO 11507)
 - Constant humidity - test comply with ISO 6270-1

ELECTRICAL DATA*

Lumen Package	System Watts 220-240V	Total Current	Power Factor
		@230V, 50Hz	
8L	55W	0.26	0.95
12L	80W	0.37	0.95

* Electrical data at 25°C (77°F)

WEIGHT

WEIGHT	2.3Kg
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LMF DURIS - RECOMMENDED LUMEN MAINTENANCE FACTORS (LMF)¹

Ambient	LMF iniziale	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
25°C	1	0,99	0,98	0,98	0,97

¹ Lumen maintenance values calculated at 25°C, with TM-21 based on LM-80 data and on-site testing. DURIS for SCP optic 150 - PCR- PCL and LUXEON for 075, 100, 125 - 200 - AFN - ARS optics

² In accordance with IESNA TM-21-11, the values shown in the "projected" column represent interpolated and arc values within six times (6X) the total duration in hours of the tests (performed according to IESNA LM-80-08) to which the device has been subjected ((DUT) e.g. the LED chip).

³ In accordance with IESNA TM-21-11, the values shown in the column "calculated" are calculated based on a time span greater than six times (6X) the total duration in hours of the tests (performed according to IESNA LM-80-08) to which the device has been subjected ((DUT) e.g. the LED chip).

DOT Fuel Gen. 1

LED projector for canopy fuel



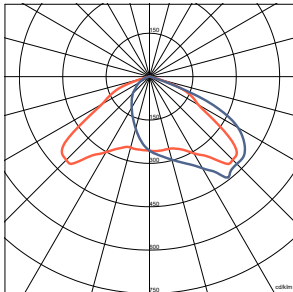
Control options (Optics PA - PS - 60)

FX -FIXED OUTPUT				
Setting Code	System Watts W	Nominal flux (lm)		Description
		4000K Ra70	5700K Ra70	
LUMEN PACKAGE 8L				
S13HSA0-FX001	55 W	9328	8847	FIXED OUTPUT 55W
LUMEN PACKAGE 12L				
S13LSA0-FX001	80 W	12983	12868	FIXED OUTPUT 80W

Photometry

All published luminaire photometric testing performed by an external certified ISO 17025 laboratory.
To obtain an IES file specific to your project consult: www.creelighting-europe.com

PA – PETROLEUM ASYMMETRIC

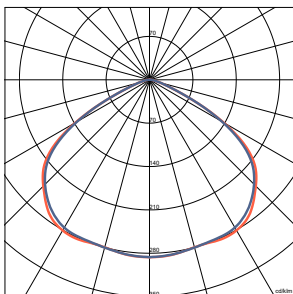


LUMEN OUTPUT PETROLEUM ASSYMETRIC		
Lumen Package	4000K Ra70	5700K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*
8L	7826	7756
12L	11382	11281

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 238-QL22-R12

PS – PETROLEUM SYMMETRIC

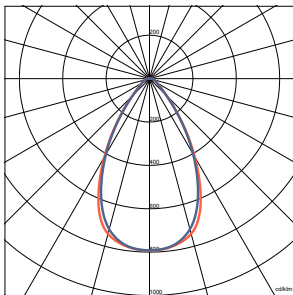


LUMEN OUTPUT PS - PETROLEUM SYMMETRIC		
Lumen Package	4000K Ra70	5700K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*
8L	8112	8040
12L	11798	11693

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 238-QL22-R12

60D – 60° FLOOD



LUMEN OUTPUT 60D – 60° FLOOD		
Lumen Package	4000K Ra70	5700K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*
8L	7776	7707
12L	11309	11209

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 238-QL22-R15

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