

Prologis Park West London Unit 3a & 3b

External Lighting Brochure

Electrical Services



WM Building Services (Leicester) Ltd
Mechanical & Electrical Contractors

External Lighting

Kingfisher Lighting

TYPE A

ITALO 1

LED SO5 OPTIC, 4000K, 850mA, 4 MODULE CLASS 1 INSULATION
COLUMN MOUNTED 6M

IT1-SO5-4.8-4M1F

TYPE B

ITALO 1

LED SO5 OPTIC, 4000K, 850mA, 4 MODULE CLASS 1 INSULATION
WALL MOUNTED AT 6M

IT1-SO5-4.8-4M1F



Kingfisher Lighting

Datasheet

Italo Flood

The Italo is now available with a flood lighting optic. It offers high performance with visual comfort, ideal for car park and area lighting.



Key Features

- 525mA & 700mA
- Efficacy 151 luminaire lm/W
- 4000K, CRI >70
- Lifetime >100,000hr L80
- Post-top 76mm, side-entry 76mm
- Driver included
- Wall mounted option

60mm post-top and side-entry spigots available.
76mm recommended. Call for further details.

Applications

- Area lighting
- Car parks
- Perimeter
- Security

Italo also available in street and urban options.
See separate datasheets for details.



IP66

IK09

DIM



Controls
Compatible

Fitting		Luminaire Lumens	LED Lumens	Power	Optics
ASC	Italo 3	18,210 - 33,400	20,856 - 33,352	150W - 303W	ASC asymmetrical comfort floodlight optic 

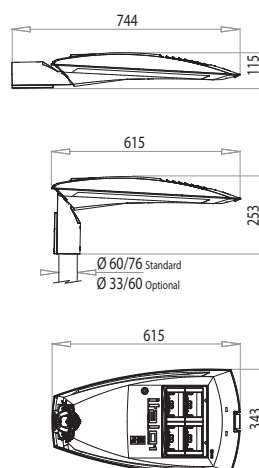
Specification Text

The luminaire shall be manufactured from high pressure die-cast aluminium. It shall have an LED efficacy of up to 151 luminaire lm/W and will be capable of producing up to 33,400 luminaire lumens at 4000K with a CRI >70. A number of optics will be available and the luminaire will be rated at IP66 and IK09. The optical design will be a reflector-based optic with glass screen.

Specifications

Weight	19kg
Windage	Italo 3: 0.1-0.4m ²
Material	Die-cast aluminium
Paint Finish	Graphite grey

Dimensions

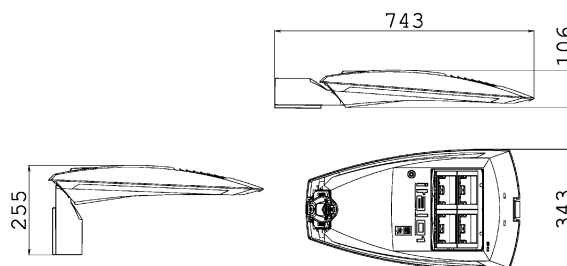


All units of measurement in mm.

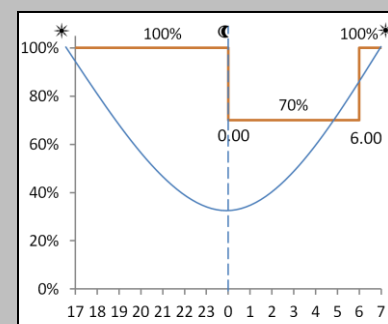


Code	Power	Light Source	Luminaire Lumens	Optic	CCT(K)	IP	IK	Weight (kg)	Paint Finish	Product Type
ASC-W Optic										
IT3-ASC4W-4.5-4M1F	150W	LED	18670	Asymmetrical 40° comfort wide floodlight optic (ASC4W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC4W-4.5-4M1D	150W	LED	18670		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC4W-4.7-4M1F	208W	LED	22980		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC4W-4.7-4M1D	208W	LED	22980		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC4W-4.5-5M1F	191W	LED	22660		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC4W-4.5-5M1D	191W	LED	22660		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC4W-4.7-5M1F	253W	LED	27830		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC4W-4.7-5M1D	253W	LED	27830		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC4W-4.5-6M1F	228W	LED	27200		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC4W-4.5-6M1D	228W	LED	27200		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC4W-4.7-6M1F	303W	LED	33400		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC4W-4.7-6M1D	303W	LED	33400		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.5-4M1F	150W	LED	18570	Asymmetrical 50° comfort wide floodlight optic (ASC5W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.5-4M1D	150W	LED	18570		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.7-4M1F	208W	LED	22870		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.7-4M1D	208W	LED	22870		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.5-5M1F	191W	LED	22550		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.5-5M1D	191W	LED	22550		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.7-5M1F	253W	LED	27690		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.7-5M1D	253W	LED	27690		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.5-6M1F	228W	LED	27070		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.5-6M1D	228W	LED	27070		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.7-6M1F	303W	LED	33240		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.7-6M1D	303W	LED	33240		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.5-4M1F	150W	LED	18390	Asymmetrical 60° comfort wide floodlight optic (ASC6W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.5-4M1D	150W	LED	18390		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.7-4M1F	208W	LED	22640		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.7-4M1D	208W	LED	22640		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.5-5M1F	191W	LED	22330		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.5-5M1D	191W	LED	22330		4000	IP66	IK09	19.00	Graphite grey	Dimmable

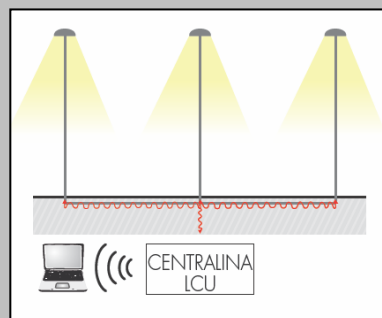
Code	Power	Light Source	Luminaire Lumens	Optic	CCT(K)	IP	IK	Weight (kg)	Paint Finish	Product Type
IT3-ASC6W-4.7-5M1F	253W	LED	27420	Asymmetrical 60° comfort wide floodlight optic (ASC6W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.7-5M1D	253W	LED	27420		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.5-6M1F	228W	LED	26810		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.5-6M1D	228W	LED	26810		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.7-6M1F	303W	LED	32920		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.7-6M1D	303W	LED	32920		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.5-4M1F	150W	LED	18210	Asymmetrical 70° comfort wide floodlight optic (ASC7W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.5-4M1D	150W	LED	18210		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.7-4M1F	208W	LED	22420		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.7-4M1D	208W	LED	22420		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.5-5M1F	191W	LED	22110		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.5-5M1D	191W	LED	22110		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.7-5M1F	253W	LED	27150		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.7-5M1D	253W	LED	27150		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.5-6M1F	228W	LED	26540		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.5-6M1D	228W	LED	26540		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.7-6M1F	303W	LED	32590		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.7-6M1D	303W	LED	32590		4000	IP66	IK09	19.00	Graphite grey	Dimmable


italo1
AVANGUARDIA IN ITALY

DA Profile

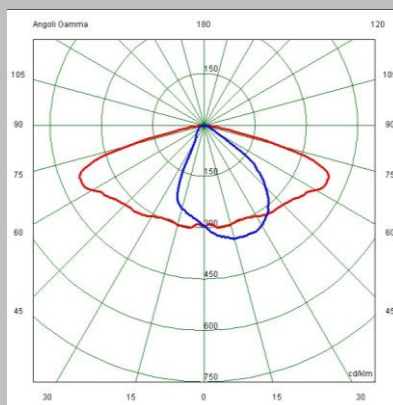


PLM



ITALO 1			
MAIN CHARACTERISTICS			
Applications	Street lighting		
Optic	STE-M/S: Asymmetrical optic for street lighting (suburban). (0F3) STU-M/S: Asymmetrical optic for street lighting (urban). (0F2H1) STW: Asymmetrical optic for wide roads and wet asphalts lighting. (0F3) SV: Asymmetrical optic for narrow urban streets or highway entrance/exit turns. (0F2H1) Colour temperature: 4000K , (optional 3000K, 5700K) CRI ≥ 70 Photobiological safety class: EXEMPT GROUP CIE Photometrical classification: Semi cut-off IES Photometrical classification: Full cut-off LED source efficiency: 138 lm/W @ 700mA, Tj=85°C – 4000K		
	Insulation class		
	Protection degree		
	Impact protection		
	LED Modules		
	Tilt Angle		
	Dimensions		
Weight	6.8 kg max		
Exposed surface	Side: 0.05m ² – Top: 0.18m ² SCx:0.04m ²		
Mounting	Bracket or Post-top Ø60mm Ø33mm ÷ Ø60mm (optional) Ø60mm ÷ Ø76mm (optional)		
Gear tray	Removable plate.		
Operating temp.	-40°C / +50°C (525mA, 700mA)		
Storage temperature	-40°C / +80°C		
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3		
 IK09 IP66 EXEMPT GROUP  US LISTED			
ELECTRICAL CHARACTERISTICS			
Rated voltage	220÷240V 50/60Hz (Standard tolerance +/-10%, other voltages and tolerances upon request)		
LED current	525mA 700mA		
Power factor	>0,9 (at full load - PLM) >0,95 (at full load - F, DA, DAC)		
On-load switch	Included, with integrated cable clamp		
Mains connection	For cables max section 4mm ²		
Control system	F: Fixed output (Base version) DA: Automatic dimming with default profile. DAC Custom DA profile. PLM: Single point communication module.		
Optical unit lifetime	525mA (Ta=25°C)		700mA (Ta=25°C)
	>70.000hr B20L80 (including critical fail) >100.000hr L80, TM-21		>60.000hr B20L80 (including critical fail) >100.000hr L80, TM-21
	525mA (Ta=50°C)		700mA (Ta=50°C)
	>60.000hr B20L80 (including critical fail) >100.000hr L80, TM-21		>50.000hr B20L80 (including critical fail) >100.000hr L80, TM-21
MATERIALS			
Fixing	Die-cast aluminium UNI EN1706 powder painted.		
Heat-sink	Die-cast aluminium UNI EN1706 powder painted.		
Lower frame	Die-cast aluminium UNI EN1706 powder painted.		
Upper canopy	Die-cast aluminium UNI EN1706 powder painted.		
Closure hook	Extruded aluminium with stainless steel spring.		
Optic	Aluminium 99.85% with special finish made by vacuum sealed deposition 99.95%. Aluminium class A+ (DIN EN 16268).		
Screen	Flat tempered glass, 4mm thickness.		
Cable gland	Plastic M20x1.5 - IP68		
Gasket	Polyurethane		
Colour	Semi-gloss satiny grey. Code 2B.		

Optical unit lifetime could be different for each size of the luminaire Data listed above are subject to change without notice.



STU-M Optic

All the published photometrical data
has been obtained according to
EN 13032-1

The tables below describe the flux and output power of the available versions. These parameters are necessary in order to guarantee a correct comparison of the luminaire performance. In particular, the luminaire efficiency (expressed in lm/W) must be calculated as the ratio between the output luminous flux of the luminaire and the power absorbed by the input power supply unit. For the sake of completeness the tables also show the data of the nominal flux and power of the used LED.

LUMINAIRE FLUX ¹ (Ta=25°C, 4000K, lm)		
MODULES	525mA	700mA
	STE-M / STE-S / STW Optic	
1	2040	2720
2	4440	5570
3	6590	8240
4	8770	10940
MODULES	525mA	700mA
	STU-M / STU-S / SV Optic	
1	1540	2030
2	3210	4060
3	4870	6130
4	6450	8140

RATED LUMINAIRE POWER ¹ (Ta=25°C, Vin=230Vac, W) F and DA version at full load		
MODULES	525mA	700mA
	STE-M / STE-S / STW Optic	
1	20	27,5
2	41,5	54,5
3	61	80
4	78	103
MODULES	525mA	700mA
	STU-M / STU-S / SV Optic	
1	15,5	21
2	32,5	42,5
3	47	61
4	60	80

LUMINAIRE EFFICIENCY (Ta=25°C, lm/W)		
MODULES	525mA	700mA
	STE-M / STE-S / STW Optic	
1	102	99
2	107	102
3	108	103
4	112	106
MODULES	525mA	700mA
	STU-M / STU-S / SV Optic	
1	99	97
2	99	96
3	104	100
4	108	102

RATED LED FLUX ² (Tj=85°C, 4000K, lm)		
MODULES	525mA	700mA
	STE-M / STE-S / STW Optic	
1	2556	3234
2	5112	6468
3	7668	9702
4	10224	12936
MODULES	525mA	700mA
	STU-M / STU-S / SV Optic	
1	1905	2411
2	3810	4822
3	5715	7233
4	7620	9644

RATED LED POWER ² (Tj=85°C, W)		
MODULES	525mA	700mA
	STE-M / STE-S / STW Optic	
1	17	24
2	35	47
3	52	71
4	70	94
MODULES	525mA	700mA
	STU-M / STU-S / SV Optic	
1	13	18
2	26	35
3	39	53
4	52	71

SURGE PROTECTION Diff. mode / Common Mode		
MODULES	Class II	Class I / 1
	10/10 kV	
1	10/7 kV	10/10 kV
2	10/10 kV	10/10 kV
3	10/10 kV	10/10 kV
4	10/6 kV	10/10 kV

Note: The characteristics of the product listed above are subjected to change. They will have to be confirmed in case of order. Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%. Data listed above are subject to change without notice.

1:Rated data obtained in laboratory

2:Rated data extrapolated from LED manufacturer datasheet.

Multiplier to obtain the **flux** as a function of Ta and Tk.

Ta(°C)	Multiplier
50	0,94
40	0,96
25	1,00
15	1,02
5	1,04
0	1,05
Tk(K)	Multiplier
3000	0.90
4000	1.00
5700	1.02

Multiplier to obtain the **power** as a function of Ta.

*Ta (°C)	Multiplier
50	0,99
25	1,00
0	1,01

*Note : Valid only for allowed versions
(see limits under Operating Temperatures)

Legend:

Ta =Ambient temperature.

Tk = Colour temperature.

Example of luminaire data calculation

Ta=40°C

Tk=4000K

4 MODULI LED, 525mA STE-M Optic

Flux: 8770 x 0,96 = 8419,2

Power: 78 x 0,99 = 77,2

Efficiency: 8419,2 / 77,2 = 109 lm/W

TYPE C

DECO

20W LED 1000MM FLANGE MOUNTED BOLLARD

BDE1020LEDFKG



Kingfisher Lighting Datasheet

Deco

Deco is a robust bollard with a classic look suitable for most schemes. It comes with LED as well as a range of lamps and both emergency and photocell options. The effect is a comfortable, low-glare light output.



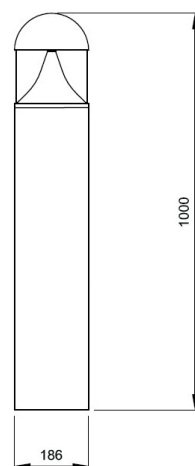
Key Features

- Luminaire lumens 1,734
- LED lumens 1,322
- Power 20W
- 4,000K
- Flange plated or root mounted
- Symmetrical distribution
- Emergency option
- Also available in HID
- RAL 7016

Applications

- Urban environment
- Residential
- Hospitality & leisure
- Retail
- Commercial
- Pathways & parks

Dimensions



LED



HID/CFL



Weight
7.6-8.7kg

Specification Text

The bollard shall be manufactured from extruded aluminium with die cast head finished in polyester powder coating. The LED optical system shall consist of a textured aluminium cone providing a controlled distribution with minimal glare and upward light. The HID/CFL optical system shall consist of an aluminium louvre stack providing controlled distribution with minimal glare. Access to control gear via a removable head. Access to HID/CFL lamp via removable head. Sealed to a minimum IP rating of IP55. The bollard shall be insulated to Class 1 and be suitable for use with LED, HID and fluorescent light sources. Options available include photo-electric cell, 180° spill shield (louvre version only) and emergency option.

Accessories

Code	Description
FF/PEC	Photo-electric Cell
BD2SS	180° Spill Shield (HID/CFL only)

Weight

7.6–8.7kg

Code	Lamp Wattage	Lamp Type	Lamp Cap	Lamp Style	Lamp Lumens	Optic	CCT (K)	Base
Compact Fluorescent								
BDE1032FFKG	32W	CFL	4 pin	Compact	2400	Symmetrical	4000	Flanged
BDE1032FFKGEM	32W	CFL (H.F Emergency)	4 pin	Compact	2400	Symmetrical	4000	Flanged
BDE1042FFKG	42W	CFL	4 pin	Compact	3200	Symmetrical	4000	Flanged
BDE1042FFKGEM	42W	CFL (H.F Emergency)	4 pin	Compact	3200	Symmetrical	4000	Flanged
High Pressure Sodium								
BDE1070SFKG	70W	SON	E27	Tubular	6500	Symmetrical	2000	Flanged
BDE1070SRKG	70W	SON	E27	Tubular	6500	Symmetrical	2000	Rooted
Metal Halide								
BDE1070HFKG	70W	MH	E27	Elliptical	5300	Symmetrical	4000	Flanged
BDE1070HRKG	70W	MH	E27	Elliptical	5300	Symmetrical	4000	Rooted
Ceramic Metal Halide								
BDE1020CHRKG	20W	CMH	E27	Elliptical	1800	Symmetrical	4200	Rooted
BDE1020CHFKG	20W	CMH	E27	Elliptical	1800	Symmetrical	4200	Flanged
BDE1035CHRKG	35W	CMH	E27	Elliptical	3300	Symmetrical	4200	Rooted
BDE1035CHFKG	35W	CMH	E27	Elliptical	3300	Symmetrical	4200	Flanged
BDE1070CHRKG	70W	CMH	E27	Tubular	7000	Symmetrical	3000	Rooted
BDE1070CHFKG	70W	CMH	E27	Tubular	7000	Symmetrical	3000	Flanged
LED								
BDE1020LEDFKG	20W	LED	–	Modular	1324	Symmetrical	4000	Flanged

Codes with **EM** at the end relate to emergency version of fitting (e.g. BDE1032FFKG**EM**)

TYPE D

ITALO 3

5 FLOODLIGHT MODULES WITH ASYMMETRICAL COMFORT WIDE
OPTIC WALL MOUNTED AT 10M

IT3-ASC7W4.7-5MF

TYPE D

ITALO 3

15 FLOODLIGHT MODULES COLUMN MOUNTED AT 10M

IT3-SO5-4.7-15M1F



Kingfisher Lighting

Datasheet

Italo Flood

The Italo is now available with a flood lighting optic. It offers high performance with visual comfort, ideal for car park and area lighting.



Key Features

- 525mA & 700mA
- Efficacy 151 luminaire lm/W
- 4000K, CRI >70
- Lifetime >100,000hr L80
- Post-top 76mm, side-entry 76mm
- Driver included
- Wall mounted option

60mm post-top and side-entry spigots available.
76mm recommended. Call for further details.

Applications

- Area lighting
- Car parks
- Perimeter
- Security

Italo also available in street and urban options.
See separate datasheets for details.



Fitting		Luminaire Lumens	LED Lumens	Power	Optics
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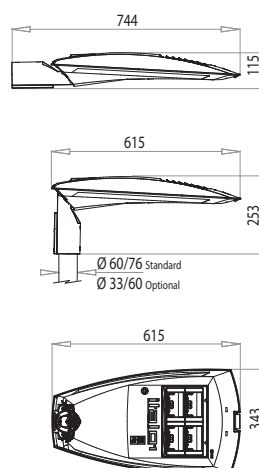
Specification Text

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Specifications

Weight	19kg
Windage	Italo 3: 0.1-0.4m ²
Material	Die-cast aluminium
Paint Finish	Graphite grey

Dimensions

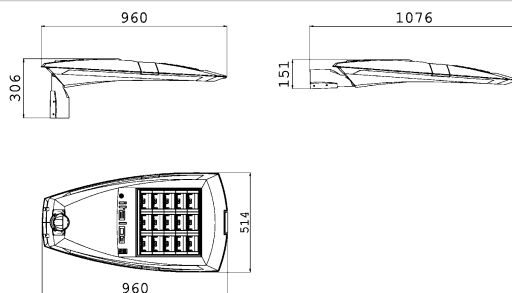


All units of measurement in mm.

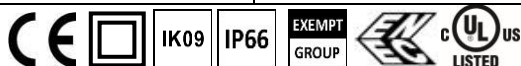


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IT3-ASC4W-4.5-5M1F	191W	LED	22660		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC4W-4.5-5M1D	191W	LED	22660		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC4W-4.7-5M1F	253W	LED	27830		4000	IP66	IK09	19.00	Graphite grey	Fixed
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IT3-ASC4W-4.7-6M1F	303W	LED	33400		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC4W-4.7-6M1D	303W	LED	33400		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.5-4M1F	150W	LED	18570	Asymmetrical 50° comfort wide floodlight optic (ASC5W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.5-4M1D	150W	LED	18570		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.7-4M1F	208W	LED	22870		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.7-4M1D	208W	LED	22870		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.5-5M1F	191W	LED	22550		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.5-5M1D	191W	LED	22550		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.7-5M1F	253W	LED	27690		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.7-5M1D	253W	LED	27690		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.5-6M1F	228W	LED	27070		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.5-6M1D	228W	LED	27070		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC5W-4.7-6M1F	303W	LED	33240		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC5W-4.7-6M1D	303W	LED	33240		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.5-4M1F	150W	LED	18390	Asymmetrical 60° comfort wide floodlight optic (ASC6W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.5-4M1D	150W	LED	18390		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.7-4M1F	208W	LED	22640		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.7-4M1D	208W	LED	22640		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.5-5M1F	191W	LED	22330		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.5-5M1D	191W	LED	22330		4000	IP66	IK09	19.00	Graphite grey	Dimmable

Code	Power	Light Source	Luminaire Lumens	Optic	CCT(K)	IP	IK	Weight (kg)	Paint Finish	Product Type
IT3-ASC6W-4.7-5M1F	253W	LED	27420	Asymmetrical 60° comfort wide floodlight optic (ASC6W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.7-5M1D	253W	LED	27420		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.5-6M1F	228W	LED	26810		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.5-6M1D	228W	LED	26810		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC6W-4.7-6M1F	303W	LED	32920		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC6W-4.7-6M1D	303W	LED	32920		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.5-4M1F	150W	LED	18210	Asymmetrical 70° comfort wide floodlight optic (ASC7W)	4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.5-4M1D	150W	LED	18210		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.7-4M1F	208W	LED	22420		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.7-4M1D	208W	LED	22420		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.5-5M1F	191W	LED	22110		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.5-5M1D	191W	LED	22110		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.7-5M1F	253W	LED	27150		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.7-5M1D	253W	LED	27150		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.5-6M1F	228W	LED	26540		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.5-6M1D	228W	LED	26540		4000	IP66	IK09	19.00	Graphite grey	Dimmable
IT3-ASC7W-4.7-6M1F	303W	LED	32590		4000	IP66	IK09	19.00	Graphite grey	Fixed
IT3-ASC7W-4.7-6M1D	303W	LED	32590		4000	IP66	IK09	19.00	Graphite grey	Dimmable

**ITALO 3****MAIN CHARACTERISTICS**

Applications	Street lighting
Optic	STE-M/S: Asymmetrical optic for street lighting (suburban). (0F3) STW: Asymmetrical optic for wide roads and wet asphalts lighting. (0F3) SV: Asymmetrical optic for narrow urban streets or highway entrance/exit turns. (0F2H1) Colour temperature: 4000K, (optional 3000K, 5700K) CRI ≥ 70 Photobiological safety class: EXEMPT GROUP CIE Photometrical classification: Semi cut-off IES Photometrical classification: Full cut-off LED source efficiency: 138 lm/W @ 700mA, Tj=85°C – 4000K
Insulation class	EU: II (I optional) – US:1
Protection degree	IP66 with membrane exchange pressure valve
Impact protection	IK09
LED Modules	Removable / Replaceable
Tilt Angle	Post-top: 0°, +5°, +10°, +15°, +20° Bracket: 0°, -5°, -10°, -15°, -20°
Dimensions&weight	See the drawing – 19Kg
Exposed surface	Side: 0.1m ² – Top: 0.4m ²
Mounting	Bracket or Post-top Ø60mm ÷ Ø76mm
Gear tray	Removable plate.
Operating temp.	-40°C / +50°C (525mA) -40°C / +40°C (700mA)
Storage temp.	-40°C / + 80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

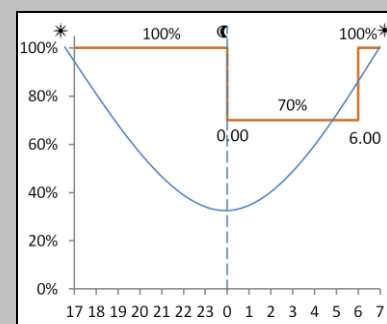
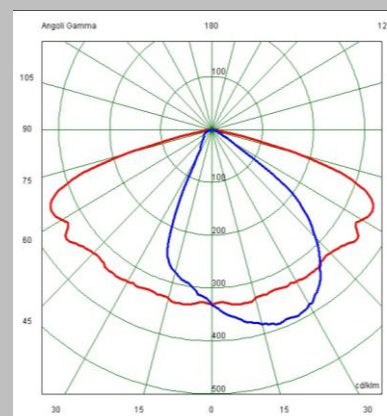
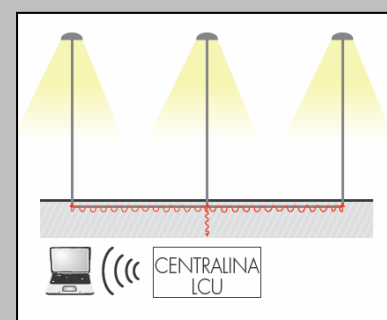
**ELECTRICAL CHARACTERISTICS**

Rated voltage	220÷240V 50/60Hz (Standard tolerance +/-10%, other voltages and tolerances upon request)	
LED current	525mA 700mA	
Power factor	>0,9 (at full load)	
On-load switch	Included, with integrated cable clamp	
Mains connection	For cables max section 4mm ²	
Control system	F: Fixed output DA: Automatic dimming with default profile. DAC Custom DA profile. PLM: Single point communication module.	
Integrated surge protection	Pulse withstand class I / 1: up to 10kV Pulse withstand class II: from 6kV to 9kV	
Optical unit lifetime	525mA (Ta=25°C)	700mA (Ta=25°C)
	>70.000hr B20L80 (including critical fail.) >100.000hr L80, TM21	>50.000hr B20L80 (including critical fail.) >70.000hr L80, TM21
	525mA (Ta=50°C)	700mA (Ta=40°C)
	>50.000hr B20L80 (including critical fail.) >50.000hr L80, TM21	>50.000hr B20L80 (including critical fail.) >50.000hr L80, TM21

MATERIALS

Fixing	Die-cast aluminium UNI EN1706 powder painted.
Heat-sink	Die-cast aluminium UNI EN1706 powder painted.
Lower frame	Die-cast aluminium UNI EN1706 powder painted.
Upper canopy	Die-cast aluminium UNI EN1706 powder painted.
Closure hook	Extruded aluminium with stainless steel spring.
Optic	Aluminium 99.85% with special finish made by vacuum sealed deposition 99.95%. Aluminium class A+ (DIN EN 16268).
Screen	Flat tempered glass, 5mm thickness.
Cable gland	Plastic M20x1.5 – IP68
Gasket	Polyurethane
Colour	Semi-gloss satiny grey. Code 2B.

Optical unit lifetime could be different for each size of the luminaire Data listed above are subject to change without notice.

italo3
MADE IN ITALY
DA Profile**PLM****STE-M Optic**

All the published photometrical data has been obtained according to EN 13032-1

Optical unit lifetime could be different for each size of the luminaire. Data listed above are subject to change without notice.

The tables below describe the flux and output power of the available versions. These parameters are necessary in order to guarantee a correct comparison of the luminaire performance. In particular, the luminaire efficiency (expressed in lm/W) must be calculated as the ratio between the output luminous flux of the luminaire and the power absorbed by the input power supply unit. For the sake of completeness the tables also show the data of the nominal flux and power of the used LED.

LUMINAIRE FLUX ¹ (Ta=25°C, 4000K, lm)		
MODULES	525mA	700mA
	STE-M / STE-S / STW Optic	
7	15250	18470
8	17500	21110
9	18980	23750
10	21220	26210
11	23310	28690
12	25440	31220
13	27540	-
14	29490	-
15	31560	-
MODULES	SV Optic	
9	14080	17620
10	15790	19680
11	17250	21510
12	18740	23560
13	20350	25430
14	21940	27160
15	23540	29160

RATED LUMINAIRE POWER ¹ (Ta=25°C, Vin=230Vac, W) F and DA version at full load		
MODULES	525mA	700mA
	STE-M / STE-S / STW Optic	
7	133	185
8	152	210
9	175	233
10	193	256
11	211	281
12	230	306
13	248	-
14	266	-
15	285	-
MODULES	SV Optic	
9	132	177
10	144	196
11	158	215
12	175	234
13	190	252
14	203	270
15	217	289

LUMINAIRE EFFICIENCY (Ta=25°C, lm/W)		
MODULES	525mA	700mA
	STE-M / STE-S / STW Optic	
7	115	100
8	115	101
9	108	102
10	110	102
11	110	102
12	111	102
13	111	-
14	111	-
15	111	-
MODULES	SV Optic	
9	107	100
10	110	100
11	109	100
12	107	101
13	107	101
14	108	101
15	108	101

RATED LED FLUX ² (Tj=85°C, 4000K, lm)		
525mA	700mA	
	STE-M / STE-S / STW Optic	
17892	22638	
20448	25872	
23004	29106	
25560	32340	
28116	35574	
30672	38808	
33228	-	
35784	-	
38340	-	
SV Optic		
17145	21699	
19050	24110	
20955	26521	
22860	28932	
24765	31343	
26670	33754	
28575	36165	

RATED LED POWER ² (Tj=85°C, W)		
525mA	700mA	
	STE-M / STE-S / STW Optic	
122	165	
139	188	
157	212	
174	235	
192	259	
209	282	
227	-	
244	-	
262	-	
SV Optic		
118	159	
131	176	
144	194	
157	212	
170	229	
183	247	
196	265	

Note: The characteristics of the product listed above are subjected to change.

They will have to be confirmed in case of order.

Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%.

Data listed above are subject to change without notice.

1:Rated data obtained in laboratory

2:Rated data extrapolated from LED manufacturer datasheet.



Multiplier to obtain the **flux** as a function of Ta and Tk.

Ta(°C)	Multiplier
50	0,94
40	0,96
25	1,00
15	1,02
5	1,04
0	1,05
Tk(K)	Multiplier
3000	0.90
4000	1.00
5700	1.02

Multiplier to obtain the **power** as a function of Ta.

*Ta (°C)	Multiplier
50	0,99
25	1.00
0	1,01

*Note : Valid only for allowed versions

(see limits under Operating Temperatures)

Legend:

Ta =Ambient temperature.

Tk = Colour temperature.

Example of luminaire data calculation

Ta=40°C

Tk=4000K

9 LED MODULES, 525mA STE-M Optic

Flux: 18980 x 0,96 = 18220,8

Power: 175 x 0,99 = 173,3

Efficiency: 18220,8 / 173,3 = 105 lm/W

TYPE G
QUARTO
IP65 VANDEL RESISTANT WALL PACK
AQ1018-OCKG



Kingfisher Lighting

Datasheet

Quarto

A stylish, modern bulkhead available with LED emergency and photocell. Quarto is suited to building and perimeter lighting.



Key Features

	Source Lumens	Luminaire Lumens	Power
LED	1,809 - 2,295	1,350 - 1,900	15W - 20W
Compact fluorescent	2,400 - 3,200	-	32W - 42W

- 525mA & 700mA
- Efficacy 139 luminaire lm/W
- 4000K (LED), 3000K (compact fluorescent)
CRI >75
- Lifetime >70,000-90,000hr L80
- Wall mounted/bulkhead

Applications

- Retail parks
- Pathways
- Civic areas
- Façade lighting
- Pedestrian areas
- Office
- Leisure/hospitality
- Perimeter lighting



IP65

DIM



Controls Compatible

Optics

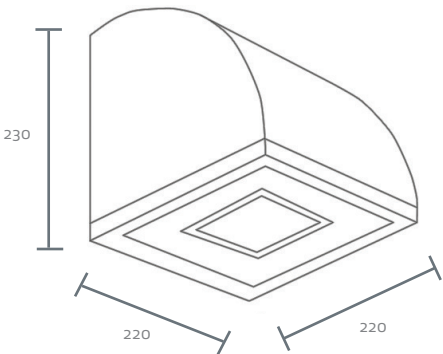
Quarto

Symmetrical & asymmetrical - street light optic, pedestrian & cycle path optic, urban light optic, flood light optic

Specification Text

The LED luminaire shall be manufactured from high-pressure die-cast aluminium. It shall be capable of producing up to 1,900 luminaire lumens at 4000K with a CRI>75. The luminaire will be rated at IP65.

Dimensions



Specifications

All units of measurement in mm.

Weight	4.8 kg
Material	Die-cast aluminium
Paint Finish	Anthracite grey (RAL 7016)

Code	Power	Light Source	Lumen Output	Optic	CCT(K)	IP	Weight (kg)	Paint Finish	Product Type
LED									
AQ1015-STKGF	15W	LED	1400	Asymmetrical street light optic	4000	IP65	4.8	Anthracite grey (RAL 7016)	Fixed
AQ1015-STKGD	15W	LED	1400		4000	IP65	4.8	Anthracite grey (RAL 7016)	Dimmable
AQ1018-STKGF	20W	LED	1740		4000	IP65	4.8	Anthracite grey (RAL 7016)	Fixed
AQ1018-STKGD	20W	LED	1740		4000	IP65	4.8	Anthracite grey (RAL 7016)	Dimmable
AQ1015-OCKGF	15W	LED	1350	Asymmetrical pedestrian and cycle path optic (OC)	4000	IP65	4.8	Anthracite grey (RAL 7016)	Fixed
AQ1015-OCKGD	15W	LED	1350		4000	IP65	4.8	Anthracite grey (RAL 7016)	Dimmable
AQ1018-OCKGF	20W	LED	1670		4000	IP65	4.8	Anthracite grey (RAL 7016)	Fixed
AQ1018-OCKGD	20W	LED	1670		4000	IP65	4.8	Anthracite grey (RAL 7016)	Dimmable
AQ1015-SKGF	15W	LED	1350	Symmetrical urban light optic (S)	4000	IP65	4.8	Anthracite grey (RAL 7016)	Fixed
AQ1015-SKGD	15W	LED	1350		4000	IP65	4.8	Anthracite grey (RAL 7016)	Dimmable
AQ1018-SKGF	20W	LED	1670		4000	IP65	4.8	Anthracite grey (RAL 7016)	Fixed
AQ1018-SKGD	20W	LED	1670		4000	IP65	4.8	Anthracite grey (RAL 7016)	Dimmable
AQ1015-SPKGF	15W	LED	1500	Asymmetrical flood light optic (SP)	4000	IP65	4.8	Anthracite grey (RAL 7016)	Fixed
AQ1015-SPKGD	15W	LED	1500		4000	IP65	4.8	Anthracite grey (RAL 7016)	Dimmable
AQ1018-SPKGF	20W	LED	1900		4000	IP65	4.8	Anthracite grey (RAL 7016)	Fixed
AQ1018-SPKGD	20W	LED	1900		4000	IP65	4.8	Anthracite grey (RAL 7016)	Dimmable

Code	Power	Light Source	Lumen Output	Optic	CCT(K)	IP	Weight (kg)	Paint Finish	Product Type
Compact fluorescent									
AQ1032CFKG	32W	Compact Fluorescent	2400 (lamp lumens)	Asymmetrical flat glass	3000	IP65	4.8	Anthracite grey (RAL 7016)	Standard 32W
AQ1032CFKGEM	32W	Compact Fluorescent	2400 (lamp lumens)		3000	IP65	4.8	Anthracite grey (RAL 7016)	Emergency option
AQ1032CFKGEMPEC	32W	Compact Fluorescent	2400 (lamp lumens)		3000	IP65	4.8	Anthracite grey (RAL 7016)	Emergency option with photocell
AQ1032CFKGPEC	32W	Compact Fluorescent	2400 (lamp lumens)		3000	IP65	4.8	Anthracite grey (RAL 7016)	With photocell
AQ1042CFKG	42W	Compact Fluorescent	3200 (lamp lumens)		3000	IP65	4.8	Anthracite grey (RAL 7016)	Standard 42W
AQ1042CFKGEM	42W	Compact Fluorescent	3200 (lamp lumens)		3000	IP65	4.8	Anthracite grey (RAL 7016)	Emergency option
AQ1042CFKGEMPEC	42W	Compact Fluorescent	3200 (lamp lumens)		3000	IP65	4.8	Anthracite grey (RAL 7016)	Emergency option with photocell
AQ1042CFKGPEC	42W	Compact Fluorescent	3200 (lamp lumens)		3000	IP65	4.8	Anthracite grey (RAL 7016)	With photocell

Codes with **EM** at the end relate to emergency version of fitting
Codes with **PEC** at the end relate to photocell option

Accessories / Options

- Photocell option
- See specification table
- Emergency option
- See specification table