



IP67 IK10 CLASS I 850° C E

FILA LED

A sleek, architectural luminaire with elegant clean lines designed for lighting public spaces.

FILA LED

FEATURES & BENEFITS

- > Sealed LED tubular luminaire
- > High impact resistance: IK10+ / 20 joules
- > High resistance to UV
- > Average rated LED life: >50,000hrs (L80/B10)
- > Optimum colour consistency - 3 step MacAdam chromaticity tolerance
- > Photobiological hazard: RG0

PERFORMANCE

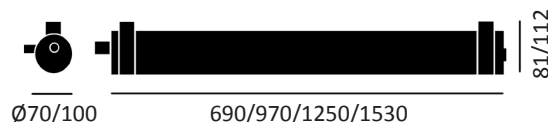
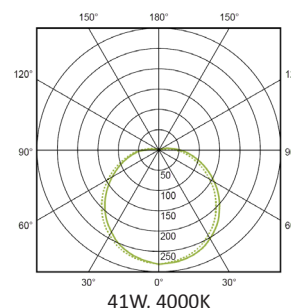
Light source	LED
Distribution	Symmetric
Luminaire output	2440 - 5610lm (Ø70) 3290 - 7920lm (Ø100)
Luminaire efficiency	≥122lm/W
CRI	>80

MATERIALS

Body	Opal polycarbonate TP(a), 2mm thick
End caps	Polished 304L stainless steel
External fixings	M6 Stainless steel CHC-type screws at each end
Wiring	ISO M20 nickel-plated brass IP67 cable gland for cable Ø6-12mm

OPTIONS

- > Wall wash optics and version with louvres
- > 316L stainless steel version for corrosive environments
- > 3000K
- > Suspension kit
- > Slave configuration
- > Male/female Wieland connectors and through-wiring 3 or 5 x 1.5mm² cable



LAMP	COLOUR TEMP	DELIVERED LUMENS	DIMENSIONS	STANDARD	DALI
19W	4000K	2440lm	Ø70 x 690	63500101	63500103
26W	4000K	3490lm	Ø70 x 970	63500201	63500203
36W	4000K	4880lm	Ø70 x 1250	63500301	63500303
41W	4000K	5610lm	Ø70 x 1530	63500401	63500403
26W	4000K	3290lm	Ø100 x 690	63500501	63500503
36W	4000K	4700lm	Ø100 x 970	63500601	63500603
49W	4000K	6470lm	Ø100 x 1250	63500701	63500703
63W	4000K	7920lm	Ø100 x 1530	63500801	63500803

BANG LED



IP55

IK10⁺

CLASS II

850°

CE

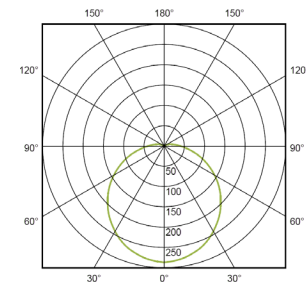
FEATURES & BENEFITS

- > Exceptionally high impact resistance: IK10+ / 50 joules
- > Patented double skin for extra strength - the body is completely covered by the satin diffuser
- > Anti-ligature rip-out resistant base
- > Optimum colour consistency—3 step MacAdam ellipse tolerance
- > Average rated LED life: >50,000hrs (L90/B50)
- > Square (308mm²) or circular design (Ø320mm)
- > Photobiological hazard: RG0



PERFORMANCE

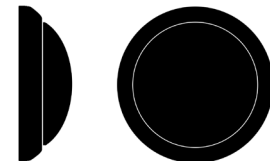
Light source	LED
Distribution	Symmetric
Luminaire output	1020 - 2500lm
Luminaire efficiency	≥112lm/W
CRI	>80



13W, 4000K

MATERIALS

Body	Reinforced polyamide
Finish	White (RAL 9003)
Diffuser	Opal polycarbonate TP(a)
External fixings	M5 stainless steel screws with 2-point tamper-proof heads
Wiring	Rear Ø20.5mm cable entry for 1.5mm ² cable

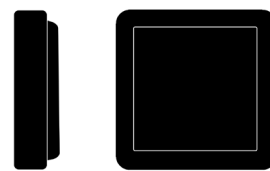


103

Ø320

OPTIONS

- > DALI
- > Microwave sensor for enhanced energy savings
- > Slave version



103

308

LAMP	COLOUR TEMP	DELIVERED LUMENS	ROUND		SQUARE	
			STANDARD	EMERGENCY	STANDARD	EMERGENCY
9W	3000K	1020lm	41900101	41900191	41900901	41900991
9W	4000K	1050lm	41900201	41900291	41901001	41901091
13W	3000K	1450lm	41900301	41900391	41901101	41901191
13W	4000K	1500lm	41900401	41900491	41901201	41901291
18W	3000K	2020lm	41900501	41900591	41901301	41901391
18W	4000K	2100lm	41900601	41900691	41901401	41901491
20W	3000K	2400lm	41900701	41900791	41901501	41901591
20W	4000K	2500lm	41900801	41900891	41901601	41901691



VOILA LED

The ultimate environmentally friendly, carbon saving luminaire, made from recycled raw materials, with a high performance specification.

This anti-ligature luminaire is also capable of withstanding moderate vandalism.

VOILA LED

FEATURES & BENEFITS

- > Robust, elegant, eco-designed luminaire
- > High impact resistance: IK10 / 20 joules
- > Anti-ligature - Rip-out resistant skirt
- > Optimum colour consistency—3 step MacAdam
- > Average rated LED life: >50,000hrs (L90/B50)
- > 80% energy saving compared to fluorescent luminaires
- > Photobiological hazard: RG0

PERFORMANCE

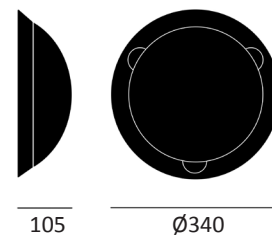
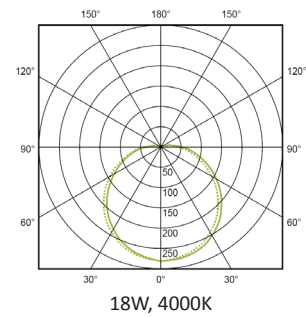
Light source	LED
Distribution	Symmetric
Luminaire output	1030 - 2550lm
Luminaire efficiency	≥111lm/W
CRI	>80

MATERIALS

Body	Recycled polycarbonate
Finish	White (RAL 9003) / Grey (RAL 7035) / Black (RAL 9005)
Diffuser	Opal polycarbonate TP(a)
External fixings	M5 stainless steel screws with tamper-proof heads, matching polycarbonate screw caps as standard
Wiring	Ø20.5mm side or rear cable entry for 2 x 1.5mm ² cables

OPTIONS

- > 3hr emergency
- > Microwave sensor for enhanced energy savings
- > Asymmetrical version
- > Different coloured screw caps



LAMP	COLOUR TEMP	DELIVERED LUMENS	STANDARD			DALI		
			WHITE	GREY	BLACK	WHITE	GREY	BLACK
9W	3000K	1030lm	42400101	42400301	42400501	42400103	42400303	42400503
9W	4000K	1075lm	42400201	42400401	42400601	42400203	42400403	42400603
13W	3000K	1445lm	42400701	42400901	42401101	42400703	42400903	42401103
13W	4000K	1505lm	42400801	42401001	42401201	42400803	42401003	42401203
18W	3000K	2040lm	42401301	42401501	42401701	42401303	42401503	42401703
18W	4000K	2125lm	42401401	42401601	42401801	42401403	42401603	42401803
20W	3000K	2450lm	42401901	42402101	42402301	42401903	42402103	42402303
20W	4000K	2550lm	42402001	42402201	42402401	42402003	42402203	42402403

SOFFITE LED



FEATURES & BENEFITS

- > High impact resistance: IK10 / 20 joules
- > Suitable for continuous in-line mounting
- > Discreet surface mounting - 80mm protrusion at 45°
- > Optimum colour consistency—3 step MacAdam ellipse tolerance
- > Average rated LED life: >50,000hrs (L90/B50)
- > Photobiological hazard: RG0

PERFORMANCE

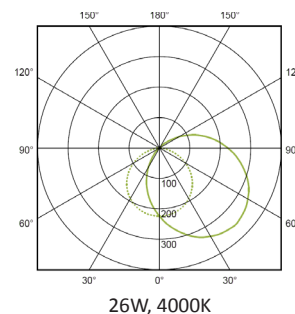
Light source	LED
Distribution	Symmetric
Luminaire output	1330 - 5340lm
Luminaire efficiency	≥111lm/W
CRI	>80

MATERIALS

Body	Aluminium
Finish	White (RAL 9016)
Diffuser	Opal polycarbonate TP(a)
Wiring	Dual entry Ø20.5mm cable for 4 x 1.5mm ² cables

OPTIONS

- > 3hr emergency
- > 3000K
- > Slave configurations
- > Microwave or PIR sensor for enhanced energy savings
- > Bespoke made-to-measure service



LAMP	COLOUR TEMP	DELIVERED LUMENS	DIMENSIONS	STANDARD	DALI
12W	4000K	1330lm	615 x 92 x 92	20900201	20900203
18W	4000K	2270lm	615 x 92 x 92	20900401	20900403
14W	4000K	1680lm	915 x 92 x 92	20900601	20900603
26W	4000K	3250lm	915 x 92 x 92	20900801	20900803
17W	4000K	2350lm	1195 x 92 x 92	20901001	20901003
33W	4000K	4240lm	1195 x 92 x 92	20901201	20901203
26W	4000K	3340lm	1475 x 92 x 92	20901401	20901403
41W	4000K	5340lm	1475 x 92 x 92	20901601	20901603

BORGO LED

IP65 IK10⁺ CLASS I
850° CE

FEATURES & BENEFITS

- > High impact resistance: IK10+ / 80 joules
- > Anti-graffiti protection
- > Non-corrosive
- > Compact design
- > Optimum colour consistency—3 step MacAdam ellipse tolerance
- > Average rated LED life: >50,000hrs (L90/B50)
- > Photobiological hazard: RG0

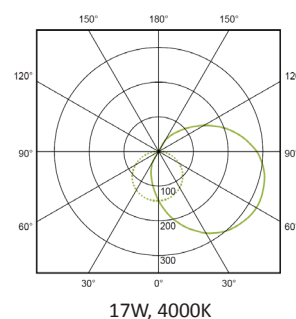


PERFORMANCE

Light source	LED
Distribution	Symmetrical
Luminaire output	600 - 1450lm
Luminaire efficiency	≥77lm/W
CRI	>80

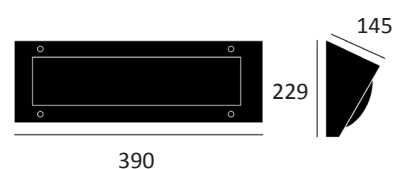
MATERIALS

Body	Zinc-plated steel
Finish	Graphite grey (RAL 7016)
Diffuser	Opal polycarbonate TP(a)
External fixings	M6 stainless steel tamper-proof screws
Wiring	1 x Ø20.5mm rear side cable entry

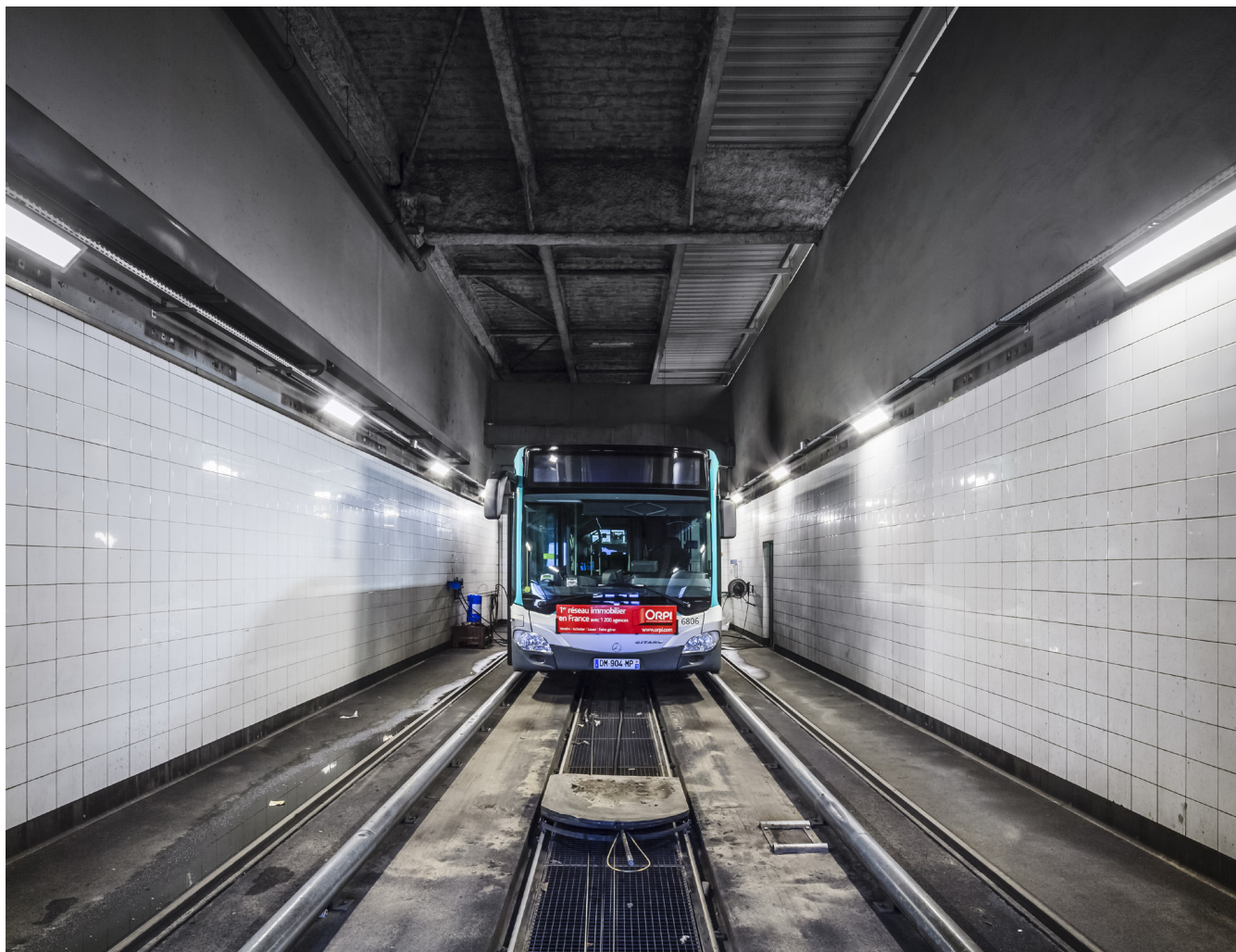


OPTIONS

- > White finish (RAL 9003)
- > 316L stainless steel version for marine environments



LAMP	COLOUR TEMP	DELIVERED LUMENS	STANDARD	DALI	EMERGENCY	
					STANDARD	DALI
8W	3000K	600lm	72000101	72000103	72000191	72000193
8W	4000K	650lm	72000201	72000203	72000291	72000293
17W	3000K	1350lm	72000301	72000303	72000391	72000393
17W	4000K	1450lm	72000401	72000403	72000491	72000493




IP65 IK10⁺⁺ CLASS I 850° C E

URBALINE LED

A robust luminaire designed to withstand extreme vandalism and marine corrosion thanks to its treatment approved to the Qualanod quality mark, Class 20.

Ideal for public buildings and spaces requiring increased protection such as railway and bus stations, pedestrian subways etc.

URBALINE LED

FEATURES & BENEFITS

- > High impact resistance: IK10++/ 150 joules
- > Reinforced aluminium end caps
- > Straight or angled corner versions
- > Optimum colour consistency - 3 step MacAdam ellipse tolerance
- > Average rated LED life: >50,000hrs (L90/B50)
- > Photobiological hazard: RG0

PERFORMANCE

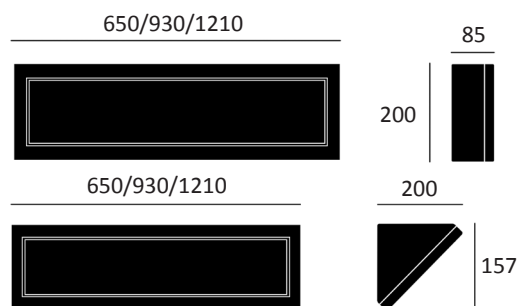
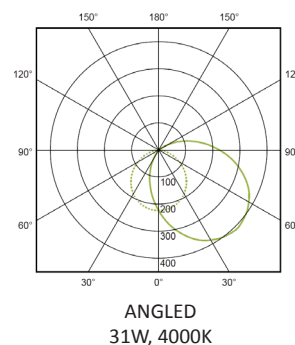
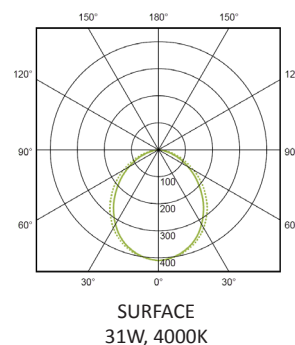
Light source	LED
Distribution	Symmetric
Luminaire output	2050 - 7250lm
Luminaire efficiency	≥97lm/W
CRI	>80

MATERIALS

Body	4mm thick marine grade 6060 aluminium
Finish	Qualanod 20μ anodised aluminium
Diffuser	Opal polycarbonate TP(a)
External fixings	M5 stainless steel screws with 2-point tamper proof heads
Wiring	Dual entry for 3 x 1.5mm ² cables

OPTIONS

- > 370mm length
- > Lower lumen outputs and 3000K
- > Microwave sensors
- > Slave configurations



LAMP	COLOUR TEMP	DELIVERED LUMENS	LENGTH	SURFACE STANDARD	EMERGENCY	ANGLED STANDARD	EMERGENCY
21W	4000K	2050lm	650	74200601	74200691	74202201	74202291
43W	4000K	4150lm	650	74200801	74200891	74202401	74202491
31W	4000K	3100lm	930	74201001	74201091	74202601	74202691
62W	4000K	6250lm	930	74201201	74201291	74202801	74202891
43W	4000K	4150lm	1210	74201401	74201491	74203001	74203091
70W	4000K	7250lm	1210	74201601	74201691	74203201	74203291




IP55 **IK10⁺⁺** **CLASS I** **850°** **CE**

ALEANE LED

An extra low profile, vandal and rip-out resistant, architectural luminaire with anti-graffiti protection.

Also available with asymmetrical light distribution making it ideal for pits.

ALEANE LED

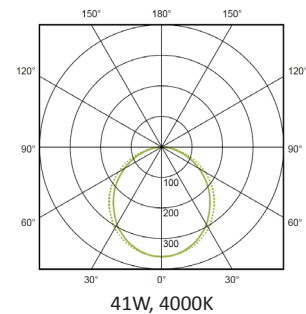
FEATURES & BENEFITS

- > High impact resistance: IK10++ / 80 joules
- > Anti-graffiti protection
- > Individual or continuous mounting
- > Non-corrosive
- > Optimum colour consistency—3 step MacAdam ellipse tolerance
- > Average rated LED life: >50,000hrs (L90/B50)
- > Photobiological hazard: RG0



PERFORMANCE

Light source	LED
Distribution	Symmetric / Asymmetric
Luminaire output	2000 - 7600lm (SYM) 1300 - 2900lm (ASYM)
Luminaire efficiency	≥107lm/W (SYM) ≥71lm/W (ASYM)
CRI	>80



MATERIALS

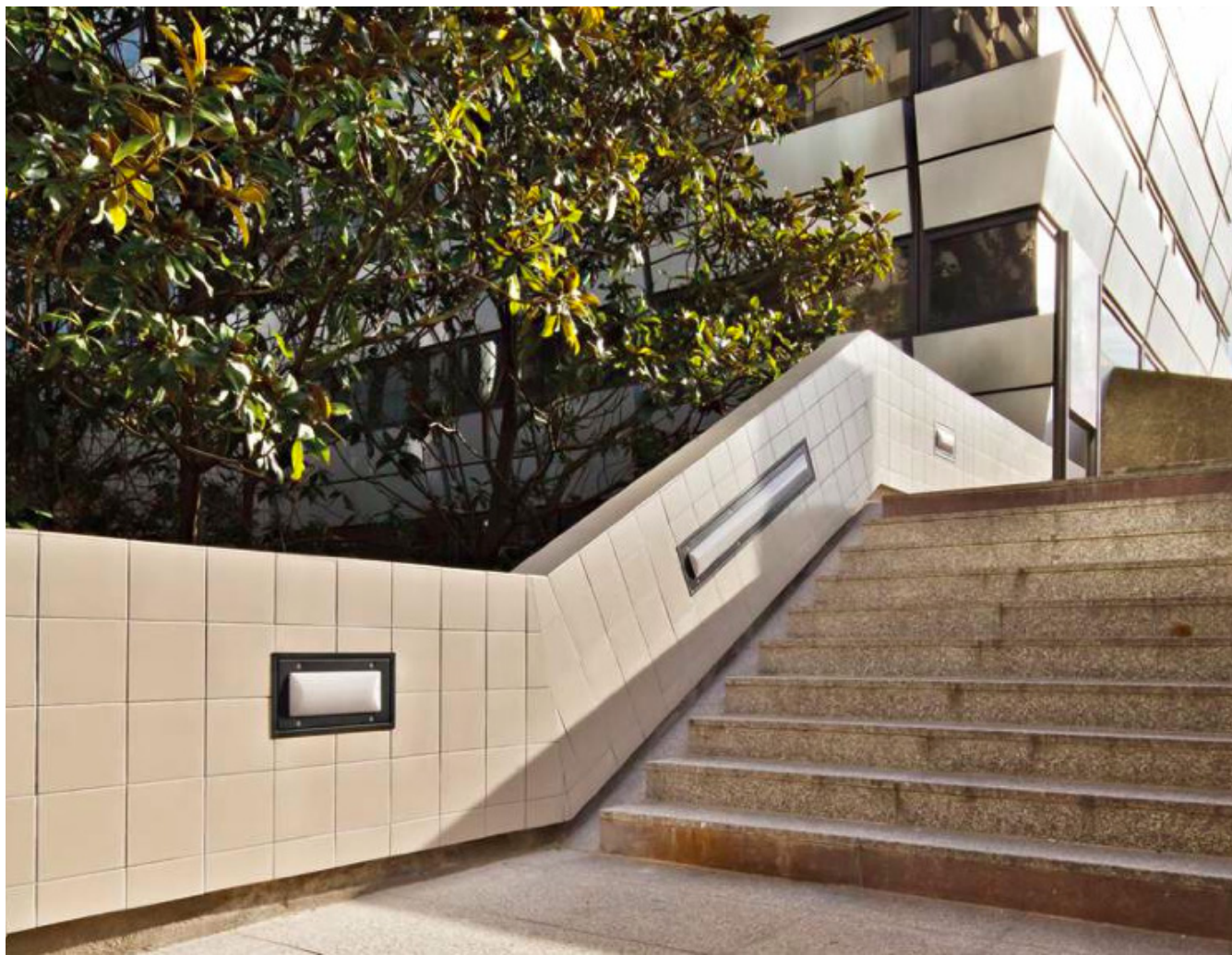
Body	Zinc-plated steel
Finish	White (RAL 9003)
Diffuser	Opal polycarbonate TP(a)
External fixings	M6 stainless steel tamper-proof screws
Wiring	3x Ø20.5mm - Fixings outside the sealed body



OPTIONS

- > Class II version
- > 316L stainless steel version for marine environments
- > Blank infill sections for running cables and through-wiring

LAMP	COLOUR TEMP	DELIVERED LUMENS	DISTRIBUTION	DIMENSIONS	STANDARD	DALI
17W	4000K	2000lm	Symmetric	715 x 270	72500201	72500203
41W	4000K	4400lm	Symmetric	715 x 270	72500401	72500403
41W	4000K	4600lm	Symmetric	1325 x 270	72500601	72500603
70W	4000K	7600lm	Symmetric	1325 x 270	72500801	72500803
17W	4000K	1300lm	Asymmetric	1325 x 290	72501001	72501003
41W	4000K	2900lm	Asymmetric	1325 x 290	72501201	72501203




 IP65 IK10⁺⁺ CLASS I 850° CE

TITAN LED

A range of technical LED luminaires with anti-graffiti protection, capable of withstanding extreme vandalism in public areas.

TITAN LED

FEATURES & BENEFITS

- > Extremely high impact resistance: IK10++ / 120 joules thanks to its steel body and braced diffuser
- > Anti-graffiti protection
- > Optimum colour consistency—3 step MacAdam ellipse tolerance
- > Average rated LED life: >50,000hrs (L90/B50)
- > Available in surface wall, angled and recessed versions
- > Ideal for use with lighting management systems - detection, dimming etc
- > Photobiological hazard: RG0



PERFORMANCE

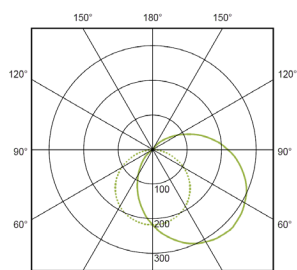
Light source	LED
Distribution	Symmetric
Luminaire output	1000 - 6930lm
Luminaire efficiency	≥83lm/W
CRI	>80

MATERIALS

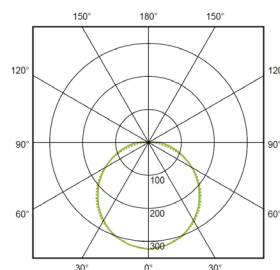
Body	Zinc-plated steel
Finish	Graphite grey (RAL 7016)
Diffuser	Opal polycarbonate TP(a)
External fixings	M6 stainless steel, tamper-proof screws
Wiring	2 x side screw entries for 3 x 1.5mm ² cable

OPTIONS

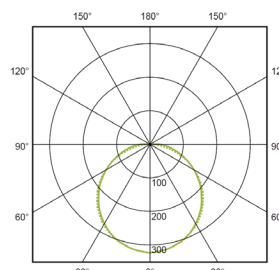
- > White finish (RAL 9003)
- > Class II version
- > Slave configurations
- > Microwave sensor for enhanced energy savings
- > 30 degree angled version



TITAN A45: 43W, 4000K

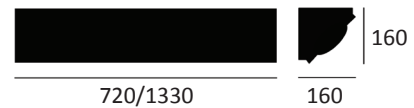


TITAN C95: 43W, 4000K

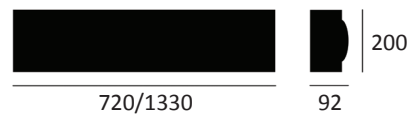


TITAN E: 43W, 4000K

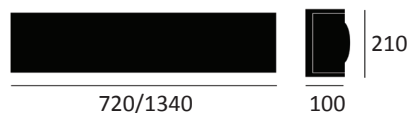
TITAN A45



TITAN C95



TITAN E



TITAN LED



LAMP	COLOUR TEMP	DELIVERED LUMENS	LENGTH	TITAN C95 SURFACE	TITAN A45 SURFACE 45°	TITAN E FLUSH RECESSED
12W	3000K	1000lm	720	74500101	74501301	74502501
12W	4000K	1050lm	720	74500201	74501401	74502601
21W	3000K	1930lm	720	74500301	74501501	74502701
21W	4000K	2010lm	720	74500401	74501601	74502801
43W	3000K	3910lm	720	74500501	74501701	74502901
43W	4000K	4080lm	720	74500601	74501801	74503001
17W	3000K	1750lm	1330	74500701	74501901	74503101
17W	4000K	1820lm	1330	74500801	74502001	74503201
43W	3000K	3870lm	1330	74500901	74502101	74503301
43W	4000K	4030lm	1330	74501001	74502201	74503401
70W	3000K	6650lm	1330	74501101	74502301	74503501
70W	4000K	6930lm	1330	74501201	74502401	74503601

AMAROK IP ANTI-LIGATURE LED

IP65 IK10 CLASS I CE

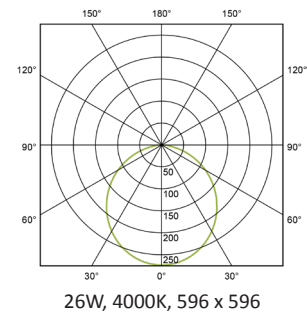
FEATURES & BENEFITS

- > Anti-ligature, tamper-proof luminaire for plasterboard ceilings
- > Average rated LED life: >60,000hrs (L80/B10)
- > Optimum colour consistency—2 step MacAdam ellipse tolerance
- > High anti-bacterial protection
- > Various sizes: 300 x 600 / 600 x 600 / 300 x 1200 / 600 x 1200
- > Photobiological hazard: RG0



PERFORMANCE

Light source	LED
LED output	4260 - 13932lm
Luminaire output	3205 - 10482lm
Luminaire efficiency	≥123lm/W
CRI	>80
UGR	<19

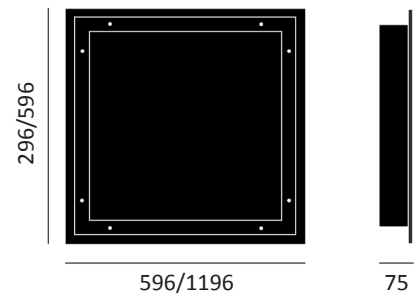


MATERIALS

Body	Sheet steel
Finish	White
Diffuser	Opal polycarbonate TP(a)
External fixings	Stainless steel M5 screws

OPTIONS

- > 3hr emergency
- > Tuneable white and 3000K
- > Other lumen outputs available
- > Internal fuse and LSOH cable



LAMP	COLOUR TEMP	DELIVERED LUMENS	DIMENSIONS	STANDARD	DALI
28W	4000K	3494lm	296 x 596	12400101	12400103
26W	4000K	3205lm	596 x 596	12400201	12400203
34W	4000K	4274lm	596 x 596	12400301	12400303
43W	4000K	5342lm	596 x 596	12400401	12400403
56W	4000K	6988lm	596 x 596	12400501	12400503
70W	4000K	8735lm	596 x 596	12400601	12400603
34W	4000K	4274lm	296 x 1196	12400701	12400703
56W	4000K	6988lm	296 x 1196	12400801	12400803
51W	4000K	6410lm	596 x 1196	12400901	12400903
83W	4000K	10482lm	596 x 1196	12401001	12401003

SENSPOT LED

IP65	IP44	IK10 ⁺	CLASS II
		850°	CE

FEATURES & BENEFITS

- > High impact resistance: IK10+ / 50 joules
- > Rip-out resistant fastenings with vandal resistant screws
- > Sealed front and rear
- > Suitable for marine environments
- > Average rated LED life: >50,000hrs (L80/B50) - no maintenance
- > Optimum colour consistency - 3 step MacAdam chromaticity tolerance



PERFORMANCE

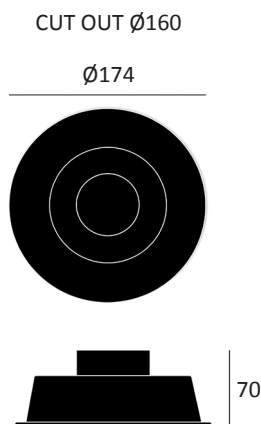
Light source	LED
Luminaire output	1247 - 1630lm
Luminaire efficiency	≥98lm/W
CRI	>80

MATERIALS

Body & Bezel	Zamak
Finish	White (RAL 9016)
Diffuser	Clear polycarbonate
External fittings	2 steel TORX type screws
Wiring	Remote IP20 power supply with 30cm cable. Sealed connection box with cable gland for IP65 version

OPTIONS

- > Microwave sensor for enhanced energy savings
- > Slave version
- > Other RAL finishes
- > Back box for use in concrete



LAMP	COLOUR TEMP	DELIVERED LUMENS	IP RATING	STANDARD	DALI	EMERGENCY	
						STANDARD	DALI
12W	3000K	1247lm	IP44	34100101	34100103	34100191	34100193
12W	4000K	1300lm	IP44	34100201	34100203	34100291	34100293
16W	3000K	1564lm	IP44	34100301	34100303	34100391	34100393
16W	4000K	1630lm	IP44	34100401	34100403	34100491	34100493
12W	3000K	1247lm	IP65	34100501	34100503	34100591	34100593
12W	4000K	1300lm	IP65	34100601	34100603	34100691	34100693
16W	3000K	1564lm	IP65	34100701	34100703	34100791	34100793
16W	4000K	1630lm	IP65	34100801	34100803	34100891	34100893