

EXTERIOR LINEAR

PROTAGON



Protagon Series of wall washers is the highest in performance of all wall washers offered. It is designed to highlight buildings with grand presence that stand out from their surroundings.

- **Unit pitch:** 6 cm. Pitch is maintained between luminaries.
- **Control:** DMX-512. Galvanic isolated.
- **DMX Resolution:** Normal (8bit), High (16bit).
- **Dimming Steps:** 65535 steps, for very smooth dimming.
- **DMX Channels:** User selectable from 2 channels (for all groups) up to 5 channels /per group.
- **Dimming Curves:** Linear, Logarithmic, Square.
- **Gamma correction:** Yes. From 2,5 to 1/2,5 in steps of 0,1.
- **Anti-glare:** Optional Anti-glare accessory.
- **Setup:** From external Setup Programmer.
- **Over temperature protection:** The wattage of the LED is automatically readjusted in case the temperature exceeds safety levels.
- **Ingress Protection:** IP66
- **Connectors:** Input, Output connectors for power supply and DMX signal.
- **Power Factor:** >0,98
- **Operation Ambient temperature:** -25°C / +50°C.
- **Power Supply:** 90-277VAC 50-60Hz
- **Weight 60/90/120/150cm:** 6,41 / 10,44 / 11,80 / 15,14kgs

No. of LEDs per 60cm:

- 10x4 LEDs (4in1) for Monochromatic and Tunable White models.
- 10 multi colour LEDs (4in1) for RGBW models.

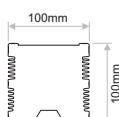
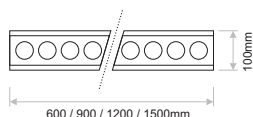
L70/B10 50.000h
for all models



Model	Luminaire Colour**	Colour Temperature & Rendering	Beam Angle	Power Consumption - Length
PROTAGON (PROTAGON)	[GR] Grey	[2780] 2700K 80CRI	[14] 14°	[110W060] 110W / 60cm
		[2790] 2700K 90CRI		[165W090] 165W / 90cm
		[3080] 3000K 80CRI		[220W120] 220W / 120cm
		[3090] 3000K 90CRI		[275W150] 275W / 150cm
		[4080] 4000K 80CRI		
		[6570] 6500K 70CRI		
	Marine Type [MT]	[WC4*] Tunable WC	[26] 26°	
		[RD] Red	[40] 40°	
		[GR] Green		
		[BL] Blue		
		[AM] Amber		
		[RGBW] RGBW		

*WC4: Tunable 2.700K-6.500K 4in1

**Available in RAL colours upon request



Ordering Code Example:
PROTAGON-GR-3080-14-165W090



Light source Luminous Flux (lm) :

Length	60cm	90cm	120cm	150cm
Red	980	1470	1960	2450
Green	1440	2160	2880	3600
Blue	260	390	520	650
White	1520	2280	3040	3800
Total	4200	6300	8400	10500



Marine Type

PROTAGON is also available in Marine type with the following characteristics:

Powder Coating:

- ✓ Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

- ✓ Meets qualicoat class 2 requirements after 3 years Florida
- ✓ Meets AAMA 2604-13 requirements after 5 years Florida

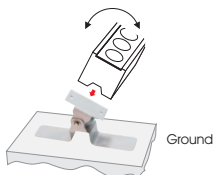
High Resistance to:

- ✓ Weather, ✓ UV, ✓ Water and mould growth

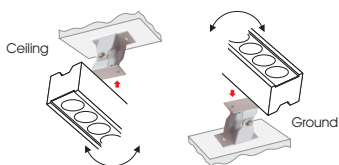


WEATHER RESISTANT

1. Movable Ground Bracket



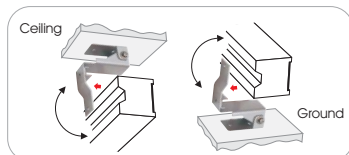
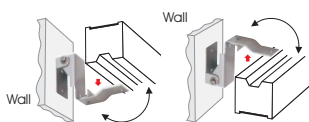
2. Fixed Ceiling or Ground Bracket



3. Fixed 10cm Wall Bracket Type A & Type B



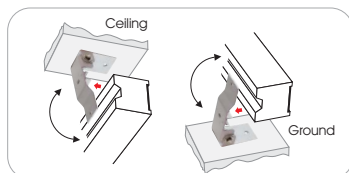
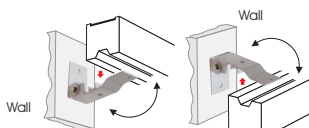
Type A



Note:
Can be used for permanent installation in ceiling or ground

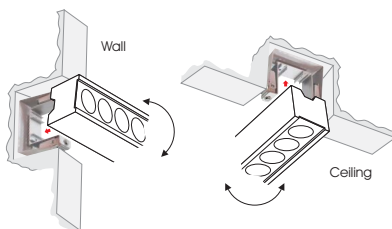


Type B

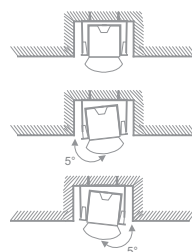


Note:
Can be used for permanent installation in ceiling or ground

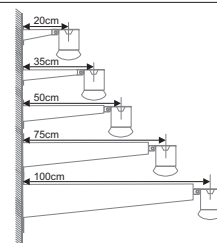
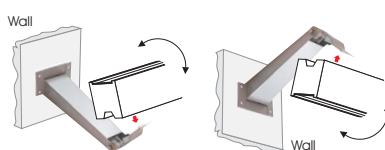
4. Recessed Bracket $\pm 5^\circ$



Note: Not for Inground Installation

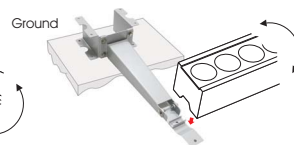
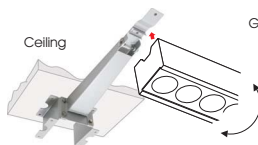


5. Fixed 20 ,35 ,50 ,75 ,100cm Wall Bracket

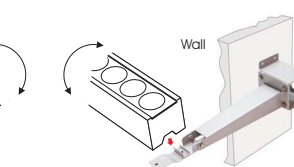
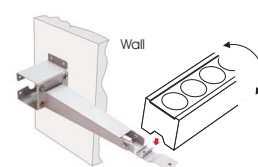


Accessories for other ways of installing 35 ,50 ,75 ,100cm Wall Bracket

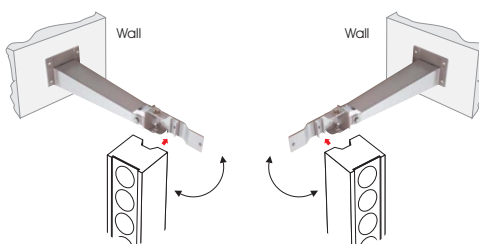
Accessory A



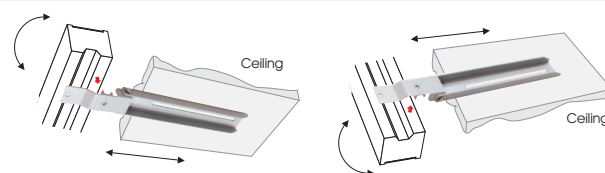
Accessory B



6. Adaptor for Vertical Wall Installation



7. Slide Bracket



8. Antiglare Accessory



9. DMX SET UP Programmer



PRG.001





ELEGANT MAX

Exterior Linear 

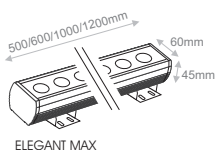
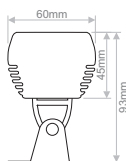
Elegant Max is the highest in performance model of Elegant series, ideal for outdoor and indoor architectural applications. It is unique for wall washing due to the different wall bracket lengths and the maintenance of the pitch between the luminaires. It ensures the highest glare control through antiglare accessory offered as extra. It can also be offered (besides the input cable with IP68 connector offered as standard) with an extra output cable with IP68 connector (except 25-30cm where it is offered as standard). It is available upon request in different RAL colours, oak and walnut colour finishes to stimulate wood for high demanding landscape applications.

L90/B10 50.000h
for monochromatic models

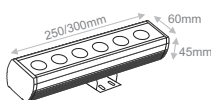
L90/B10 50.000h
for RGB, RGBW, R, G, B models



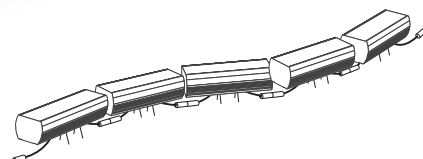
ELEGANT MAX 25cm & 30cm



ELEGANT MAX



ELEGANT MAX 25cm & 30cm



Chain connection with input-output cables
(for 25/30cm only in standard version)



Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON

Technical features:

Installation:	Surface mounted, Wall mounted
LED light source:	High power CREE LEDs
Optics:	Monochrome, Tunable White (1in1), RGB (1in1): 10°, 25°, 45°, 40°x10° (25 & 30cm only available in monochromatic), Tunable white (3in1), RGB (3in1), RGBW (4in1): 25°, 40°x10°
Lengths:	25cm, 30cm, 50cm, 60cm, 100cm, 120cm
No. of LEDs 100, 120cm / 50, 60cm:	Monochrome, Tunable White (1in1), RGB(1in1): 24 leds / 12 leds Tunable White (3in1), RGB (3in1): 72 leds / 36 leds RGBW (4in1): 96 leds / 48 leds
No. of LEDs 25cm & 30cm:	Monochrome: 6 leds
Pitch for 25cm, 50cm, 100cm:	41.65 mm (Pitch is maintained between luminaries)
Pitch for 30cm, 60cm, 120cm:	50 mm (Pitch is maintained between luminaries)
Power supply:	Constant voltage 24VDC
Power:	25cm, 30cm: 17.5W / 50cm, 60cm: 35W / 100cm, 120cm: 70W
Ingress protection:	IP66
Operation Ambient temperature:	-25°C to +50°C.
Weight 25/30/50/60/100/120cm:	0,85 / 1,00 / 1,70 / 2,00 / 3,13 / 3,74kgs (standard models)

Materials:

Main body:	Natural anodized anticorrosion aluminium EN AW-6060.
Protective cover:	3mm tempered Low-Iron glass.
Finishes (End caps):	Anticorrosion die cast aluminium alloy AS12 with 2 anti-corrosion powder coatings (primer & polyester).
Mounting brackets:	Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-304 metal parts.
Optics:	PMMA collimating lens.
Gaskets:	Silicone rubber.
Connector:	Nylon 66. Fire resistance V-0 (only for standard version, not ECO).
Screw Vent:	PC
Pressure equalization:	Screw Vent (Breather) 190ml/min@0,07bar.
Cable gland:	Nickel brass. IP68.
Printed circuit:	Insulated metal substrate PCB.
Power cords:	50cm, suitable for outdoor use, halogen-free good chemical resistance, cold resistant, UV-resistant, temperature range for fixed installation -50°C to +80°C.
Screws:	Stainless steel.

Accessories Materials:

Ground brackets:	Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-316 metal parts.
Wall brackets:	Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-316 metal parts.
Antiglare:	Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-316 metal parts.

Marine Type features:

Powder Coating:	Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.
Exterior Durability:	Meets qualicoat class 2 requirements after 3 years Florida Meets AAMA 2604-13 requirements after 5 years Florida
High Resistance to:	Weather, UV, Water and mould growth



WEATHER RESISTANT

Model	Luminaire Colour**	CCT*** - CRI	Luminaire Lumen 17.5W	Luminaire Lumen 35W	Luminaire Lumen 70W	Beam Angle	Watt / Length***	Voltage
ELEGANT MAX (ELEGANT MAX)	Anodized (AN)	[2780] 2700K 80CRI	1160lm	2320lm	4640lm	[10] 10° [25] 25° [45] 45° [40] 40°x10°	(18W025) 17.5W / 25cm (18W030) 17.5W / 30cm (35W050) 35W / 50cm (35W060) 35W / 60cm (70W100) 70W / 100cm (70W120) 70W / 120cm	(24) 24VDC
		[2790] 2700K 90CRI	950lm	1900lm	3800lm			
		[3080] 3000K 80CRI	1160lm	2320lm	4640lm			
		[3090] 3000K 90CRI	950lm	1900lm	3800lm			
		[4080] 4000K 80CRI	1235lm	2465lm	4930lm			
		[4090] 4000K 90CRI	1020lm	2035lm	4070lm			
		[5780] 5700K 80CRI	1300lm	2600lm	5200lm			
		[5790] 5700K 90CRI	1020lm	2035lm	4070lm			
		[6580] 6500K 80CRI	1300lm	2600lm	5200lm			
		[WC1*] Tunable WC 1in1	-	2460lm	4920lm			
	Marine Type (MT)	[WNC1*] Tunable WNC 1in1	-	2460lm	4920lm	[25] 25° [40] 40°x10°		
		[RD] Red	588lm	1176lm	2353lm			
		[GR] Green	894lm	1788lm	3576lm			
		[BL] Blue	352lm	704lm	1408lm			
		[AM] Amber	749lm	1497lm	2994lm			
		[RGB1] RGB 1in1	-	907lm	1814lm			
		[WNC3*] Tunable WNC 3in1	-	2308lm	4615lm			
		[RGB3] RGB 3in1	-	1432lm	2864lm			
		[RGBW] RGBW 4in1	-	1837lm	3795lm			

*WC1: Tunable 2700K-6500K 1in1

*WNC1: Tunable 2700K-4000K-6500K 1in1

*WNC3: Tunable 2700K-4000K-6500K 3in1

** Available in RAL colours, Oak or Walnut colour upon request

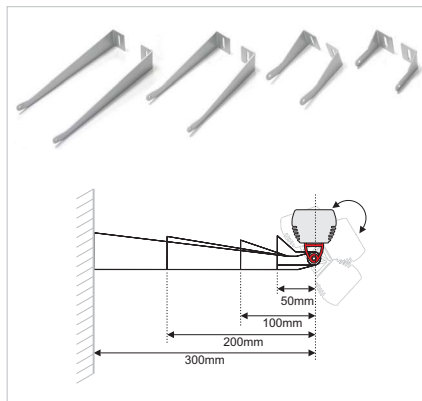
*** 25cm & 30cm only available monochromatic

Ordering Code Example:

ELEGANT MAX-AN-3090-45-70W100-24

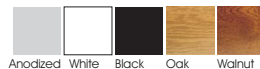


Accessories



Fixed 5,10,20,30cm Wall brackets
INOX-316 powder coated (as extra)

Luminaire colours**



Antiglare accessory
(as extra)



Oak colour



Walnut colour

Ground brackets



Ground bracket
INOX-304
(as standard)



Ground bracket
INOX-316
powder coated
(as extra)



Ground bracket (for 25/30cm)
INOX-304
(as standard)

Ground bracket (for 25/30cm)
INOX-316
powder coated
(as extra)

Input & Output cables



Input cable
with IP connectors
(as standard
for 50/60/100/120cm)

Output cable
with IP connector
(as extra
for 50/60/100/120cm)



Extension cables with connectors IP68
Lengths: 100/200/300/500cm (as extra for 25/30cm)



Input cable
(for 25/30cm)



Input & Output cables
(as standard only for 25/30cm)

ELEGANT MIDI

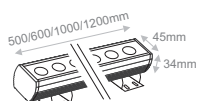
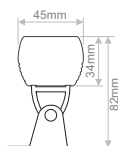
Elegant MIDI is in the middle range in performance model of Elegant series, ideal for outdoor and indoor architectural applications. It is unique for wall washing due to the different wall bracket lengths and the maintenance of the pitch between the luminaires. It ensures the highest glare control through antiglare accessory offered as extra. It can also be offered (besides the input cable with IP68 connector offered as standard) with an extra output cable with IP68 connector (except 25-30cm where it is offered as standard). It is available upon request in different RAL colours, oak and walnut colour finishes to stimulate wood for high demanding landscape applications.

L90/B10 50.000h
for monochromatic models

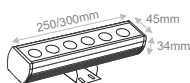
L90/B10 50.000h
for RGB, RGBW, R, G, B models



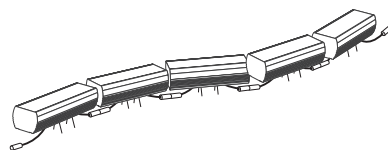
ELEGANT MIDI 25cm & 30cm



ELEGANT MIDI



ELEGANT MIDI 25cm & 30cm



Chain connection with input-output cables
(for 25/30cm only in standard version)



Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON

Technical features:

Installation:	Surface mounted, Wall mounted
LED light source:	High power CREE LEDs
Optics:	Monochrome, Tunable White (1in1), RGB (1in1): 10°, 25°, 45°, 40°x10° (25 & 30cm only available in monochromatic), Tunable white (3in1), RGB (3in1), RGBW (4in1): 25°, 40°x10°
Lengths:	25cm, 30cm, 50cm, 60cm, 100cm, 120cm
No. of LEDs 100, 120cm / 50, 60cm:	Monochrome, Tunable White (1in1), RGB(1in1): 24 leds / 12 leds Tunable White (3in1), RGB (3in1): 72 leds / 36 leds RGBW (4in1): 96 leds / 48 leds
No. of LEDs 25cm & 30cm:	Monochrome: 6 leds
Pitch for 25cm, 50cm, 100cm:	41.65 mm (Pitch is maintained between luminaries)
Pitch for 30cm, 60cm, 120cm:	50 mm (Pitch is maintained between luminaries)
Power supply:	Constant voltage 24VDC
Power:	25cm, 30cm: 10W / 50cm, 60cm: 20W / 100cm, 120cm: 40W
Ingress protection:	IP66
Operation Ambient temperature:	-25°C to +50°C.
Weight 25/30/50/60/100/120cm:	0,55 / 0,65 / 1,10 / 1,28 / 2,00 / 2,34kgs (standard models)

Materials:

Main body:	Natural anodized anticorodal aluminium EN AW-6060.
Protective cover:	3mm tempered Low-Iron glass.
Finishes (End caps):	Anticorodal die cast aluminium alloy AS12 with 2 anti-corrosion powder coatings (primer & polyester).
Mounting brackets:	Natural anodized Anticorodal aluminium EN AW-6060 with INOX-304 metal parts.
Optics:	PMMA collimating lens.
Gaskets:	Silicone rubber.
Connector:	Nylon 66. Fire resistance V-0 (only for standard version, not ECO).
Screw Vent:	PC
Pressure equalization:	Screw Vent (Breather) 190ml/min@0,07bar.
Cable gland:	Nickelated brass. IP68.
Printed circuit:	Insulated metal substrate PCB.
Power cords:	50cm, suitable for outdoor use, halogen-free good chemical resistance, cold resistant, UV-resistant, temperature range for fixed installation -50°C to +80°C.
Screws:	Stainless steel.

Accessories Materials:

Ground brackets:	Natural anodized Anticorodal aluminium EN AW-6060 with INOX-316 metal parts.
Wall brackets:	Natural anodized Anticorodal aluminium EN AW-6060 with INOX-316 metal parts.
Antiglare:	Natural anodized Anticorodal aluminium EN AW-6060 with INOX-316 metal parts.

Marine Type features:

Powder Coating:	Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.
Exterior Durability:	Meets qualicoat class 2 requirements after 3 years Florida Meets AAMA 2604-13 requirements after 5 years Florida
High Resistance to:	Weather, UV, Water and mould growth



WEATHER RESISTANT

Model	Luminaire Colour**	CCT*** - CRI	Luminaire Lumen 10W	Luminaire Lumen 20W	Luminaire Lumen 40W	Beam Angle	Watt / Length***	Voltage
ELEGANT MIDI (ELEGANT MIDI)	Anodized (AN)	[2780] 2700K 80CRI	790lm	1575lm	3150lm	[10] 10° [25] 25° [45] 45° [40] 40°x10°	(10W025) 10W / 25cm (10W030) 10W / 30cm (20W050) 20W / 50cm (20W060) 20W / 60cm (40W100) 40W / 100cm (40W120) 40W / 120cm	(24) 24VDC
		[2790] 2700K 90CRI	650lm	1295lm	2590lm			
		[3080] 3000K 80CRI	790lm	1575lm	3150lm			
		[3090] 3000K 90CRI	650lm	1295lm	2590lm			
		[4080] 4000K 80CRI	845lm	1685lm	3370lm			
		[4090] 4000K 90CRI	695lm	1390lm	2780lm			
		[5780] 5700K 80CRI	885lm	1770lm	3540lm			
		[5790] 5700K 90CRI	695lm	1390lm	2780lm			
		[6580] 6500K 80CRI	885lm	1770lm	3540lm			
		[WC1*] Tunable WC 1in1	-	1675lm	3350lm			
	Marine Type (MT)	[WNC1*] Tunable WNC 1in1	-	1675lm	3350lm	[25] 25° [40] 40°x10°	(24) 24VDC	(24) 24VDC
		[RD] Red	388lm	776lm	1551lm			
		[GR] Green	677lm	1354lm	2709lm			
		[BL] Blue	257lm	515lm	1029lm			
		[AM] Amber	532lm	1064lm	2128lm			
		[RGB1] RGB 1in1	-	627lm	1254lm			
		[WNC3*] Tunable WNC 3in1	-	1388lm	2775lm			
		[RGB3] RGB 3in1	-	935lm	1870lm			
		[RGBW] RGBW 4in1	-	1038lm	2075lm			

*WC1: Tunable 2700K-6500K 1in1

*WNC1: Tunable 2700K-4000K-6500K 1in1

*WNC3: Tunable 2700K-4000K-6500K 3in1

** Available in RAL colours, Oak or Walnut colour upon request

*** 25cm & 30cm only available monochromatic

Ordering Code Example:

ELEGANT MIDI-AN-4080-25-40W120-24

ECO

Model	Luminaire Colour**	CCT - CRI	Luminaire Lumen 20W	Luminaire Lumen 40W	Beam Angle	Watt / Length	Voltage
ELEGANT MIDI ECO (ELEGANT MIDI ECO)	Anodized (AN)	[2780] 2700K 80CRI	966lm	1932lm	[15] 15° [25] 25° [45] 45° [40] 45°x10°	(20W050) 20W / 50cm (20W060) 20W / 60cm (40W100) 40W / 100cm (40W120) 40W / 120cm	(24) 24VDC
		[2790] 2700K 90CRI	743lm	1487lm			
		[3080] 3000K 80CRI	1047lm	2095lm			
		[3090] 3000K 90CRI	806lm	1612lm			
		[4080] 4000K 80CRI	1126lm	2251lm			
		[6570] 6500K 70CRI	1199lm	2398lm			
		[WC1*] Tunable WC 1in1	1083lm	2166lm			
		[WNC1*] Tunable WNC 1in1	1097lm	2194lm			
		[RD] Red	546lm	1093lm			
		[GR] Green	911lm	1822lm			
	Marine Type (MT)	[BL] Blue	345lm	689lm	[25] 25° [40] 45°x10°	(24) 24VDC	(24) 24VDC
		[AM] Amber	930lm	1859lm			
		[RGB1] RGB 1in1	427lm	853lm			
		[WNC3*] Tunable WNC 3in1	890lm	1780lm			
		[RGB3] RGB 3in1	504lm	1008lm			
		[RGBW] RGBW 4in1	690lm	1380lm			

*WC1: Tunable 2700K-6500K 1in1

*WNC1: Tunable 2700K-4000K-6500K 1in1

*WNC3: Tunable 2700K-4000K-6500K 3in1

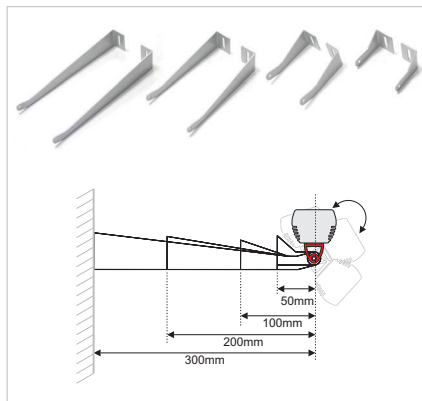
** Available in RAL colours, Oak or Walnut colour upon request

*** 25cm & 30cm only available monochromatic

Ordering Code Example:

ELEGANT MIDI ECO-AN-4080-25-40W120-24

Accessories



Fixed 5,10,20,30cm Wall brackets
INOX-316 powder coated (as extra)

Luminaire colours**



Antiglare accessory
(as extra)



Oak colour



Walnut colour

Ground brackets



Ground bracket
INOX-304
(as standard)



Ground bracket
INOX-316
powder coated
(as extra)



Ground bracket (for 25/30cm)
INOX-304
(as standard)

Ground bracket (for 25/30cm)
INOX-316
powder coated
(as extra)

Input & Output cables



Input cable
with IP connectors
(as standard
for 50/60/100/120cm)



Output cable
with IP connector
(as extra
for 50/60/100/120cm)



Input cable (for ECO model):
Open wire ends with ferrules
(as standard
for 50/60/100/120cm)

Output cable (for ECO model):
Open wire ends with ferrules
(as extra
for 50/60/100/120cm)



Extension cables with connectors IP68
Lengths: 100/200/300/500cm (as extra for 25/30cm)



Input cable
(for 25/30cm)



Input & Output cables
(as standard only for 25/30cm)

ELEGANT MINI

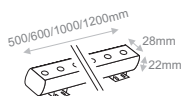
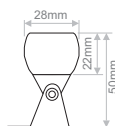
Elegant MINI is the slimmest and lower range in wattage model of Elegant series, ideal for outdoor and indoor architectural applications. It is unique for wall washing due to the different wall bracket lengths and the maintenance of the pitch between the luminaires. It ensures the highest glare control through antiglare accessory offered as extra. It can also be offered (besides the input cable with IP68 connector offered as standard) with an extra output cable with IP68 connector (except 25-30cm where it is offered as standard). It is available upon request in different RAL colours, oak and walnut colour finishes to stimulate wood for high demanding landscape applications.

L80/B10 50.000h
for monochromatic models

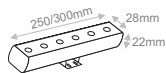
L90/B10 50.000h
for RGB, RGBW, R, G, B models



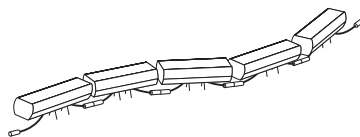
ELEGANT MINI 25cm & 30cm



ELEGANT MINI



ELEGANT MINI 25cm & 30cm



Chain connection with input-output cables
(for 25/30cm only in standard version)



Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON

Technical features:

Installation:	Surface mounted, Wall mounted
LED light source:	High power CREE LEDs
Optics:	Monochrome, Tunable White (1in1), RGB (1in1): 14°, 27°, 49°, 40°x13° (25 & 30cm only available in monochromatic), 25cm, 30cm, 50cm, 60cm, 100cm, 120cm
Lengths:	24 leds / 12 leds
No. of LEDs 100, 120cm / 50, 60cm:	6 leds
No. of LEDs 25cm & 30cm:	41.65 mm (Pitch is maintained between luminaries)
Pitch for 25cm, 50cm, 100cm:	50 mm (Pitch is maintained between luminaries)
Pitch for 30cm, 60cm, 120cm:	Constant voltage 24VDC
Power supply:	25cm, 30cm: 6.5W / 50cm, 60cm: 13W / 100cm, 120cm: 26W
Power:	IP66
Ingress protection:	-25°C to +50°C.
Operation Ambient temperature:	0,27 / 0,35 / 0,532 / 0,680 / 0,970 / 1,120kgs (standard models)
Weight 25/30/50/60/100/120cm:	

Materials:

Main body:	Natural anodized anticorrosion aluminium EN AW-6060.
Protective cover:	3mm tempered Low-Iron glass.
Finishes (End caps):	Anticorrosion die cast aluminium alloy AS12 with 2 anti-corrosion powder coatings (primer & polyester).
Mounting brackets:	Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-304 metal parts.
Optics:	PMMA collimating lens.
Gaskets:	Silicone rubber.
Connector:	Nylon 66. Fire resistance V-0 (only for standard version, not ECO).
Pressure equalization:	Screw Vent (Breather) 190ml/min@0,07bar.
Cable gland:	Nickel brass. IP68.
Printed circuit:	Insulated metal substrate PCB.
Power cords:	50cm, suitable for outdoor use, halogen-free good chemical resistance, cold resistant, UV-resistant, temperature range for fixed installation -50°C to +80°C.
Screws:	Stainless steel.

Accessories Materials:

Ground brackets:	INOX-316 metal parts.
Wall brackets:	INOX-316 metal parts.
Antiglare:	Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-316 metal parts.

Marine Type features:

Powder Coating:	Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.
Exterior Durability:	Meets qualicoat class 2 requirements after 3 years Florida Meets AAMA 2604-13 requirements after 5 years Florida
High Resistance to:	Weather, UV, Water and mould growth



WEATHER RESISTANT

Model	Luminaire Colour**	CCT*** - CRI	Luminaire Lumen 6.5W	Luminaire Lumen 13W	Luminaire Lumen 26W	Beam Angle	Watt / Length***	Voltage
ELEGANT MINI (ELEGANT MINI)	Anodized (AN)	[2780]	2700K 80CRI	359lm	718lm	1437lm	[14] 14° [27] 27° [49] 49° [40] 40°x13°	[24] 24VDC
		[2790]	2700K 90CRI	260lm	519lm	1037lm		
		[3080]	3000K 80CRI	386lm	772lm	1544lm		
		[3090]	3000K 90CRI	285lm	570lm	1141lm		
		[4080]	4000K 80CRI	413lm	826lm	1652lm		
		[6570]	6500K 70CRI	471lm	941lm	1882lm		
		[WC1*]	Tunable WC 1in1	-	833lm	1666lm		
		[WNC1*]	Tunable WNC 1in1	-	831lm	1661lm		
	Marine Type (MT)	[RD]	Red	213lm	426lm	851lm		
		[GR]	Green	394lm	788lm	1576lm		
		[BL]	Blue	168lm	336lm	671lm		
		[AM]	Amber	274lm	548lm	1095lm		
		[RGB1]	RGB 1in1	-	419lm	837lm		

*WC1: Tunable 2700K-6500K 1in1

*WNC1: Tunable 2700K-4000K-6500K 1in1

** Available in RAL colours, Oak or Walnut colour upon request
*** 25cm & 30cm only available monochromatic

Ordering Code Example:

ELEGANT MINI-AN-6570-14-13W060-24

ECO

Model	Luminaire Colour**	CCT - CRI	Luminaire Lumen 13W	Luminaire Lumen 26W	Beam Angle	Watt / Length	Voltage
ELEGANT MINI ECO (ELEGANT MINI ECO)	Anodized (AN)	[2780]	2700K 80CRI	623lm	1246lm	[12] 12° [30] 30° [45] 45° [50] 50°x25°	24VDC [24]
		[2790]	2700K 90CRI	438lm	876lm		
		[3080]	3000K 80CRI	623lm	1219lm		
		[3090]	3000K 90CRI	479lm	958lm		
		[4080]	4000K 80CRI	725lm	1499lm		
		[6570]	6500K 70CRI	826lm	1651lm		
		[WC1*]	Tunable WC 1in1	725lm	1500lm		
		[WNC1*]	Tunable WNC 1in1	725lm	1500lm		
	Marine Type (MT)	[RD]	Red	328lm	655lm		
		[GR]	Green	649lm	1299lm		
		[BL]	Blue	225lm	449lm		
		[AM]	Amber	502lm	1004lm		
		[RGB1]	RGB 1in1	326lm	651lm		

*WC1: Tunable 2700K-6500K 1in1

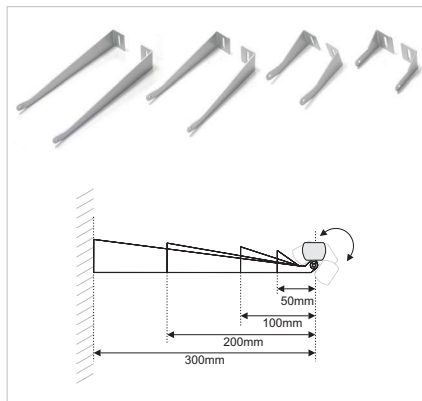
*WNC1: Tunable 2700K-4000K-6500K 1in1

** Available in RAL colours, Oak or Walnut colour upon request
*** 25cm & 30cm only available monochromatic

Ordering Code Example:

ELEGANT MINI ECO-AN-6570-12-13W060-24

Accessories



Fixed 5,10,20,30cm Wall brackets
INOX-316 powder coated (as extra)

Luminaire colours**



Antiglare accessory
(as extra)



Oak colour



Walnut colour

Ground brackets



Ground bracket
INOX-304
(as standard)



Ground bracket
INOX-316
powder coated
(as extra)



Ground bracket (for 25/30cm)
INOX-304
(as standard)



Ground bracket (for 25/30cm)
INOX-316
powder coated
(as extra)

Input & Output cables



Input cable
with IP connectors
(as standard
for 50/60/100/120cm)



Output cable
with IP connector
(as extra
for 50/60/100/120cm)



Input cable (for ECO model)
Open wire ends with ferrules
(as standard
for 50/60/100/120cm)



Extension cables with connectors IP68
Lengths: 100/200/300/500cm (as extra for 25/30cm)



Input cable
(for 25/30cm)



Input & Output cables
(as standard only for 25/30cm)

ELEGANT HV

Exterior Linear 

Elegant HV incorporates the power supply in the luminaire itself. It is in the middle range in performance model of Elegant series, ideal for outdoor and indoor architectural applications. It is unique for wall washing due to the different wall bracket lengths and the maintenance of the pitch between the luminaires. It ensures the highest glare control through antiglare accessory offered as extra. It can also be offered (besides the input cable with IP68 connector offered as standard) with an extra output cable with IP68 connector. It is available upon request in different RAL colours, oak and walnut colour finishes to stimulate wood for high demanding landscape applications.

L90/B10 50.000h
for monochromatic models

Power Supply
220-240VAC / 50-60Hz

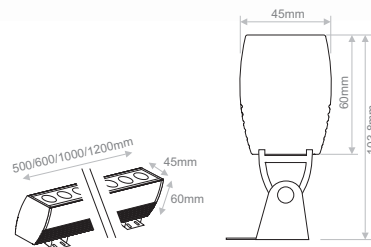


Lighting management options:
On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON

Technical features:

Installation:
LED light source:
Optics:
Lengths:
No. of LEDs 100, 120cm / 50, 60cm:
Pitch for 50cm, 100cm:
Pitch for 60cm, 120cm:
Power supply:
Power:
Ingress protection:
Operation Ambient temperature:
Weight 50/60/100/120cm:

Surface mounted, Wall mounted
High power CREE LEDs
Monochrome: 10°, 25°, 45°, 40°x10°,
50cm, 60cm, 100cm, 120cm
24leds / 12leds
41.65 mm (Pitch is maintained between luminaires)
50 mm (Pitch is maintained between luminaires)
(for all models of ELEGANT HV) 220-240VAC / 50-60Hz
50cm, 60cm: 18W/ 100cm, 120cm: 35W
IP66
-25°C to +50°C.
1,71 / 1,95 / 3,08 / 3,37kgs (standard models)



Materials:

Main body:
Protective cover:
Finishes (End caps):
Mounting brackets:
Optics:
Gaskets:
Connector:
Screw Vent:
Pressure equalization:
Cable gland:
Printed circuit:
Power cords:

Natural anodized anticorrosion aluminium EN AW-6060.
3mm tempered Low-Iron glass.
Anticorrosion die cast aluminium alloy AS12 with 2 anti-corrosion powder coatings (primer & polyester).
Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-304 metal parts.
PMMA collimating lens
Silicone rubber
Nylon 66. Fire resistance V-0
PC
Screw Vent (Breather) 190ml/min@0,07bar
Nickel brass. IP68.
Insulated metal substrate PCB
50cm, suitable for outdoor use, halogen-free good chemical resistance, cold resistant,
UV-resistant, temperature range for fixed installation -50oC to +80oC.
Stainless steel

Accessories Materials:

Ground brackets:
Wall brackets:
Antiglare:

Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-316 metal parts.
Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-316 metal parts.
Natural anodized Anticorrosion aluminium EN AW-6060 with INOX-316 metal parts.

Marine Type features:

Powder Coating:
Exterior Durability:
High Resistance to:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.
Meets qualicoat class 2 requirements after 3 years Florida
Meets AAMA 2604-13 requirements after 5 years Florida
Weather, UV, Water and mould growth



WEATHER RESISTANT

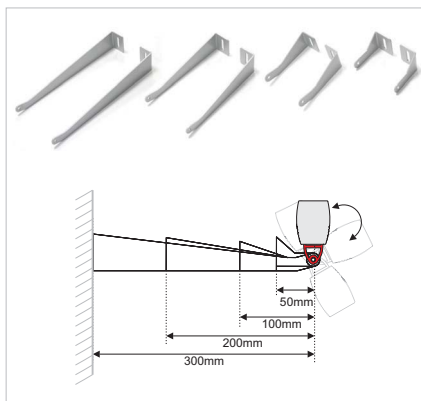
Model	Luminaire Colour*	CCT - CRI	Luminaire Lumen 18W	Luminaire Lumen 35W	Beam Angle	Watt / Length	Dimming Option
ELEGANT HV (ELEGANT HV)	Anodized (AN)	[2780]	2700K 80CRI	1675lm	3350lm		
		[2790]	2700K 90CRI	1370lm	2740lm		
		[3080]	3000K 80CRI	1675lm	3350lm		
		[3090]	3000K 90CRI	1370lm	2740lm		
	Marine Type (MT)	[4080]	4000K 80CRI	1780lm	3560lm		
		[4090]	4000K 90CRI	1465lm	2930lm		
		[6580]	6500K 80CRI	1880lm	3760lm		
		[RD]	Red	803lm	1606lm		
		[GR]	Green	1404lm	2808lm		
		[BL]	Blue	529lm	1058lm		
		[AM]	Amber	1119lm	2239lm		

*Available in RAL colours, Oak or Walnut colour upon request

Ordering Code Example:
ELEGANT HV-AN-4080-25-35W120-A1



Accessories



Fixed 5,10,20,30cm Wall brackets
INOX-316 powder coated (as extra)



Antiglare accessory
(as extra)

Ground brackets



Ground bracket INOX-304
(as standard)



Ground bracket INOX-316
powder coated (as extra)

Input & Output cables



Input cable
with IP connectors
(as standard)



Output cable
with IP connector
(as extra)

OUTLINER 50 IP67

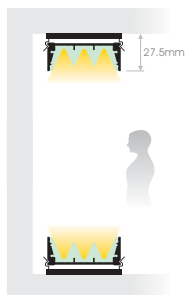
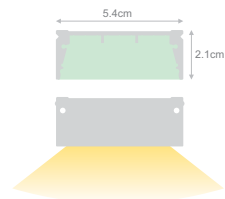


Outliner IP67 series is a complete series of custom made linear clear or opal luminaires. It is available in 4 different widths of 20, 30, 40, 50mm (luminous area widths). It is offered in standard and in custom lengths varying from 20cm up to 400cm. The series offers an excellent uniformity with colour consistency and is ideal due to its special design and construction to meet the most demanding lighting applications.

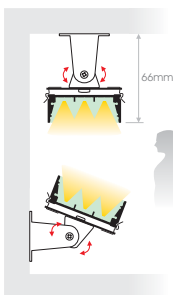
- Multiple mounting options (fixed, surface or pendant).
- Long & Short bracket accessory for wall installation.
- Supplied with input cable & waterproof connector as standard.
- Possibility for in-out cables & waterproof connectors upon request as extra.
- L90/B10 >50.000h (for monochromatic models).
- Ingress Protection: IP67

Lighting management options:

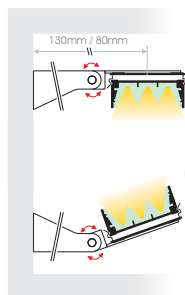
On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth



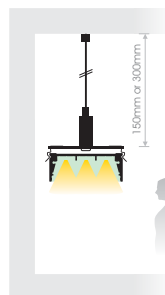
FIXED installation



SURFACE installation



WALL BRACKET
(Long/Short) installation



PENDANT installation

L90/B10 >50.000h
for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



Input cable
with IP connectors
(as standard)



Input & Output cables
with IP connector
(as extra)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87.
TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



WEATHER RESISTANT



Exterior Linear

OUTLINER 50 IP67



Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length	Type	Voltage
OUTLINER 50 IP67 FIXED (OUTLINER50-67F) OUTLINER 50 IP67 SURFACE (OUTLINER50-67S) OUTLINER 50 IP67 SHORT BRACKET 8cm (OUTLINER50-67B1) OUTLINER 50 IP67 LONG BRACKET 13cm (OUTLINER50-67B2) OUTLINER 50 IP67 PENDANT (OUTLINER50 67P1) H:150cm (OUTLINER50 67P2) H:300cm	(AN) Anodized (MT) Marine Type	(20) 2000K	(80) ≥ 80	(32W053) 31.5W / 53cm	(CL) Clear (OP) Opal	(24) 24VDC
		(25) 2500K		(53W086) 52.5W / 86.3cm		
		(27) 2700K		(63W103) 63W / 103cm		
		(30) 3000K		(74W120) 73.5W / 119.7cm		
		(40) 4000K		(95W153) 94.5W / 153cm		
		(57) 5700K		(126W203) 126W / 203cm		

* Short term immersion protection

** Available in other colours or/and power upon request

Ordering Code Example: OUTLINER50-67B2-AN-4080-53W086-OP-24

RGBWW / RGBCW / RGB

Model*	Luminaire Colour**	Colour	Watt / Length	Type	Voltage
OUTLINER 50 IP67 FIXED (OUTLINER50-67F) OUTLINER 50 IP67 SURFACE (OUTLINER50-67S) OUTLINER 50 IP67 SHORT BRACKET 8cm (OUTLINER50-67B1) OUTLINER 50 IP67 LONG BRACKET 13cm (OUTLINER50-67B2) OUTLINER 50 IP67 PENDANT (OUTLINER50 67P1) H:150cm (OUTLINER50 67P2) H:300cm	(AN) Anodized (MT) Marine Type	(RGBWW) (RGBCW) RGBWW RGBCW 84LED/m	(41W053) 40.5W / 53cm	(CL) Clear (OP) Opal	(24) 24VDC
			(69W089) 69.3W / 88.7cm		
			(81W103) 81W / 103cm		
			(98W124) 98.4W / 124.4cm		
			(122W153) 121.5W / 153cm		
			(162W203) 162W / 203cm		
		(RGBWW) (RGBCW) RGBWW RGBCW 60LED/m***	(29W053) 29.1W / 53cm		
			(47W083) 46.8W / 83cm		
			(59W103) 58.5W / 103cm		
			(70W123) 70.2W / 123cm		
			(88W153) 87.6W / 153cm		
			(117W203) 117W / 203cm		
		(RGB96) RGB 96LED/m	(35W053) 34.5W / 53cm		
			(60W091) 60.3W / 90.5cm		
			(69W103) 69W / 103cm		
			(82W122) 81.9W / 121.7cm		
			(104W153) 103.5W / 153cm		
			(138W203) 138W / 203cm		
		(RGB60) RGB 60LED/m***	(22W053) 21.6W / 53cm		
			(35W083) 34.8W / 83cm		
			(44W103) 43.5W / 103cm		
			(52W123) 52.2W / 123cm		
			(65W153) 65.1W / 153cm		
			(87W203) 87W / 203cm		
		(RGB30) RGB 30LED/m***	(11W053) 10.8W / 53cm		(12) 12VDC
			(17W083) 17.1W / 83cm		
			(22W103) 21.6W / 103cm		
			(26W123) 25.8W / 123cm		
			(32W153) 32.4W / 153cm		
			(43W203) 43.2W / 203cm		

* Short term immersion protection

** Available in other colours upon request

*** The LED density of these ribbons is low thus, the homogeneity of lighting surface of Milky type luminaire will be affected.

Ordering Code Example: OUTLINER50-67B2-AN-RGB60-65W153-OP-24

OUTLINER 40 IP67

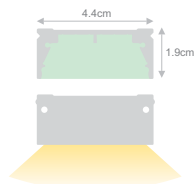
Exterior Linear 

Outliner IP67 series is a complete series of custom made linear clear or opal luminaires. It is available in 4 different widths of 20, 30, 40, 50mm (luminous area widths). It is offered in standard and in custom lengths varying from 20cm up to 400cm. The series offers an excellent uniformity with colour consistency and is ideal due to its special design and construction to meet the most demanding lighting applications.

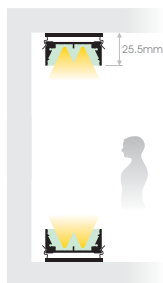
- Multiple mounting options (fixed, surface or pendant).
- Long & Short bracket accessory for wall installation.
- Supplied with input cable & waterproof connector as standard.
- Possibility for in-out cables & waterproof connectors upon request as extra.
- L90/B10 > 50.000h (for monochromatic models).
- Ingress Protection: IP67

Lighting management options:

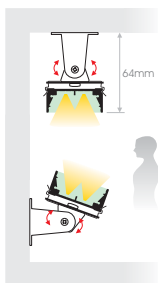
On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth



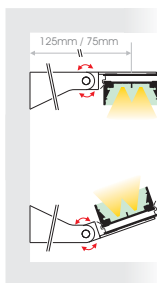
SEAMLESS version
also available upon request



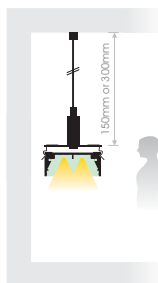
FIXED installation



SURFACE installation



WALL BRACKET
(Long/Short) installation



PENDANT installation

L90/B10 > 50.000h
for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



Input cable
with IP connectors
(as standard)



Input & Output cables
with IP connector
(as extra)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87.
TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth





Exterior Linear

OUTLINER 40 IP67



Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length	Type	Voltage
OUTLINER 40 IP67 FIXED (OUTLINER40-67F)						
OUTLINER 40 IP67 SURFACE (OUTLINER40-67S)						
OUTLINER 40 IP67 SHORT BRACKET 7.5cm (OUTLINER40-67B1)	(AN) Anodized	(20) 2000K (25) 2500K (27) 2700K (30) 3000K (40) 4000K (57) 5700K	(80) ≥ 80	(21W053) 21W / 53cm (35W086) 35W / 86.3cm (42W103) 42W / 103cm (49W120) 49W / 119.7cm (63W153) 63W / 153cm (84W203) 84W / 203cm	(CL) Clear (OP) Opal	(24) 24VDC
OUTLINER 40 IP67 LONG BRACKET 12.5cm (OUTLINER40-67B2)	(MT) Marine Type					
OUTLINER 40 IP67 PENDANT (OUTLINER40 67P1) H:150cm (OUTLINER40 67P2) H:300cm						

* Short term immersion protection

** Available in other colours or/and power upon request

Ordering Code Example: OUTLINER40-67B2-AN-4080-35W086-OP-24

RGBWW / RGBCW / RGB

Model*	Luminaire Colour**	Colour	Watt / Length	Type	Voltage
OUTLINER 40 IP67 FIXED (OUTLINER40-67F)		(RGBWW) RGBWW (RGBCW) RGBCW 84LED/m	(27W053) 27W / 53cm (46W089) 46.2W / 88.7cm (54W103) 54W / 103cm (66W124) 65.6W / 124.4cm (81W153) 81W / 153cm (108W203) 108W / 203cm		
OUTLINER 40 IP67 SURFACE (OUTLINER40-67S)		(RGBWW) RGBWW (RGBCW) RGBCW 60LED/m***	(19W053) 19.4W / 53cm (31W083) 31.2W / 83cm (39W103) 39W / 103cm (47W123) 46.8W / 123cm (58W153) 58.4W / 153cm (78W203) 78W / 203cm		
OUTLINER 40 IP67 SHORT BRACKET 7.5cm (OUTLINER40-67B1)	(AN) Anodized	(RGB96) RGB 96LED/m	(23W053) 23W / 53cm (40W091) 40.2W / 90.5cm (46W103) 46W / 103cm (55W122) 54.6W / 121.7cm (69W153) 69W / 153cm (92W203) 92W / 203cm	(CL) Clear (OP) Opal	(24) 24VDC
OUTLINER 40 IP67 LONG BRACKET 12.5cm (OUTLINER40-67B2)	(MT) Marine Type	(RGB60) RGB 60LED/m***	(14W053) 14.4W / 53cm (23W083) 23.2W / 83cm (29W103) 29W / 103cm (35W123) 34.8W / 123cm (43W153) 43.4W / 153cm (58W203) 58W / 203cm		
OUTLINER 40 IP67 PENDANT (OUTLINER40 67P1) H:150cm (OUTLINER40 67P2) H:300cm		(RGB30) RGB 30LED/m***	(07W053) 7.2W / 53cm (11W083) 11.4W / 83cm (14W103) 14.4W / 103cm (17W123) 17.2W / 123cm (22W153) 21.6W / 153cm (29W203) 28.8W / 203cm		(12) 12VDC

* Short term immersion protection

** Available in other colours upon request

*** The LED density of these ribbons is low thus, the homogeneity of lighting surface of Milky type luminaire will be affected.

Ordering Code Example: OUTLINER40-67B2-AN-RGB60-43W153-OP-24

OUTLINER 30 IP67

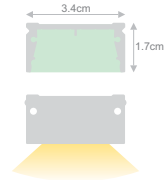


Outliner IP67 series is a complete series of custom made linear clear or opal luminaires. It is available in 4 different widths of 20, 30, 40, 50mm (luminous area widths). It is offered in standard and in custom lengths varying from 20cm up to 400cm. The series offers an excellent uniformity with colour consistency and is ideal due to its special design and construction to meet the most demanding lighting applications.

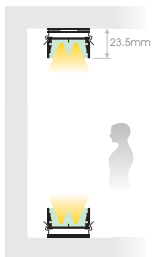
- Multiple mounting options (fixed, surface or pendant).
- Long & Short bracket accessory for wall installation.
- Supplied with input cable & waterproof connector as standard.
- Possibility for in-out cables & waterproof connectors upon request as extra.
- L90/B10 >50.000h (for monochromatic models).
- Ingress Protection: IP67

Lighting management options:

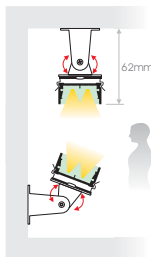
On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth



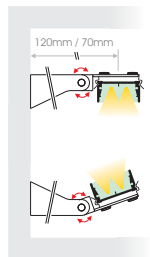
SEAMLESS version
also available upon request



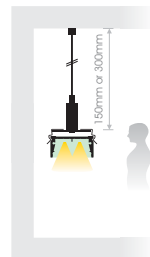
FIXED installation



SURFACE installation



WALL BRACKET
(Long/Short) installation



PENDANT installation

L90/B10 >50.000h
for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



Input cable
with IP connectors
(as standard)



Input & Output cables
with IP connector
(as extra)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87.

TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth





Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length	Type	Voltage
OUTLINER 30 IP67 FIXED (OUTLINER30-67F)						
OUTLINER 30 IP67 SURFACE (OUTLINER30-67S)						
OUTLINER 30 IP67 SHORT BRACKET 7cm (OUTLINER30-67B1)	(AN) Anodized	(20) 2000K (25) 2500K (27) 2700K (30) 3000K (40) 4000K (57) 5700K	(80) ≥ 80	(21W053) 21W / 53cm (35W086) 35W / 86.3cm (42W103) 42W / 103cm (49W120) 49W / 119.7cm (63W153) 63W / 153cm (84W203) 84W / 203cm	(CL) Clear (OP) Opal	(24) 24VDC
OUTLINER 30 IP67 LONG BRACKET 12cm (OUTLINER30-67B2)	(MT) Marine Type					
OUTLINER 30 IP67 PENDANT (OUTLINER30 67P1) H:150cm (OUTLINER30 67P2) H:300cm						

* Short term immersion protection

** Available in other colours or/and power upon request

Ordering Code Example: OUTLINER30-67B2-AN-4080-35W086-OP-24

RGBWW / RGBCW / RGB

Model*	Luminaire Colour**	Colour	Watt / Length	Type	Voltage
OUTLINER 30 IP67 FIXED (OUTLINER30-67F)		(RGBWW) RGBWW (RGBCW) RGBCW 84LED/m	(27W053) 27W / 53cm (46W089) 46.2W / 88.7cm (54W103) 54W / 103cm (66W124) 65.6W / 124.4cm (81W153) 81W / 153cm (108W203) 108W / 203cm		
OUTLINER 30 IP67 SURFACE (OUTLINER30-67S)		(RGBWW) RGBWW (RGBCW) RGBCW 60LED/m***	(19W053) 19.4W / 53cm (31W083) 31.2W / 83cm (39W103) 39W / 103cm (47W123) 46.8W / 123cm (58W153) 58.4W / 153cm (78W203) 78W / 203cm		
OUTLINER 30 IP67 SHORT BRACKET 7cm (OUTLINER30-67B1)	(AN) Anodized	(RGB96) RGB 96LED/m	(23W053) 23W / 53cm (40W091) 40.2W / 90.5cm (46W103) 46W / 103cm (55W122) 54.6W / 121.7cm (69W153) 69W / 153cm (92W203) 92W / 203cm	(CL) Clear (OP) Opal	(24) 24VDC
OUTLINER 30 IP67 LONG BRACKET 12cm (OUTLINER30-67B2)	(MT) Marine Type	(RGB60) RGB 60LED/m***	(14W053) 14.4W / 53cm (23W083) 23.2W / 83cm (29W103) 29W / 103cm (35W123) 34.8W / 123cm (43W153) 43.4W / 153cm (58W203) 58W / 203cm		
OUTLINER 30 IP67 PENDANT (OUTLINER30 67P1) H:150cm (OUTLINER30 67P2) H:300cm		(RGB30) RGB 30LED/m***	(07W053) 7.2W / 53cm (11W083) 11.4W / 83cm (14W103) 14.4W / 103cm (17W123) 17.2W / 123cm (22W153) 21.6W / 153cm (29W203) 28.8W / 203cm		(12) 12VDC

* Short term immersion protection

** Available in other colours upon request

*** The LED density of these ribbons is low thus, the homogeneity of lighting surface of Milky type luminaire will be affected.

Ordering Code Example: OUTLINER30-67B2-AN-RGB60-43W153-OP-24

OUTLINER 20 IP67

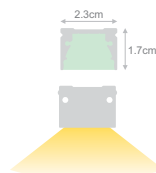


Outliner IP67 series is a complete series of custom made linear clear or opal luminaires. It is available in 4 different widths of 20, 30, 40, 50mm (luminous area widths). It is offered in standard and in custom lengths varying from 20cm up to 400cm. The series offers an excellent uniformity with colour consistency and is ideal due to its special design and construction to meet the most demanding lighting applications.

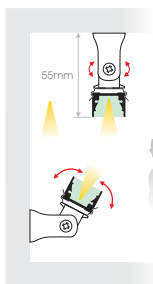
- Multiple mounting options (fixed, surface or pendant).
- Long & Short bracket accessory for wall installation.
- Supplied with input cable & waterproof connector as standard.
- Possibility for in-out cables & waterproof connectors upon request as extra.
- L90/B10 >50.000h (for monochromatic models).
- Ingress Protection: IP67

Lighting management options:

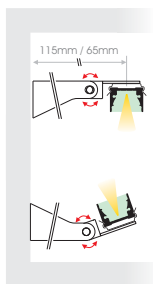
On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth



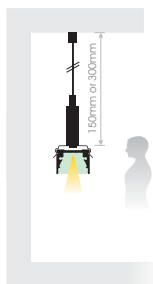
FIXED installation



SURFACE installation



WALL BRACKET
(Long/Short) installation



PENDANT installation

L90/B10 >50.000h

for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



Input cable
with IP connectors
(as standard)



Input & Output cables
with IP connector
(as extra)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87.

TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth





Exterior Linear

OUTLINER 20 IP67



Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length	Type	Voltage
OUTLINER 20 IP67 FIXED (OUTLINER20-67F)						
OUTLINER 20 IP67 SURFACE (OUTLINER20-67S)		(20) 2000K		(11W053) 10.5W / 53cm		
		(25) 2500K		(18W086) 17.5W / 86.3cm		
OUTLINER 20 IP67 SHORT BRACKET 6.5cm (OUTLINER20-67B1)	(AN) Anodized	(27) 2700K	(80) ≥ 80	(21W103) 21W / 103cm	(CL) Clear	(24) 24VDC
	(MT) Marine Type	(30) 3000K		(25W120) 24.5W / 119.7cm	(OP) Opal	
		(40) 4000K		(32W153) 31.5W / 153cm		
OUTLINER 20 IP67 LONG BRACKET 11.5cm (OUTLINER20-67B2)		(57) 5700K		(42W203) 42W / 203cm		
OUTLINER 20 IP67 PENDANT (OUTLINER20 67P1) H:150cm (OUTLINER20 67P2) H:300cm						

* Short term immersion protection

** Available in other colours or/and power upon request

Ordering Code Example: OUTLINER20 67B2-AN-4080-18W086-OP-24

RGBWW / RGBCW / RGB

Model*	Luminaire Colour**	Colour	Watt / Length	Type	Voltage
OUTLINER 20 IP67 FIXED (OUTLINER20-67F)		(RGBWW) RGBWW (RGBCW) RGBCW 84LED/m	(14W053) 13.5W / 53cm (23W089) 23.1W / 88.7cm (27W103) 27W / 103cm (33W124) 32.8W / 124.4cm (41W153) 40.5W / 153cm (54W203) 54W / 203cm		
OUTLINER 20 IP67 SURFACE (OUTLINER20-67S)		(RGBWW) RGBWW (RGBCW) RGBCW 60LED/m***	(10W053) 9.7W / 53cm (16W083) 15.6W / 83cm (20W103) 19.5W / 103cm (23W123) 23.4W / 123cm (29W153) 29.2W / 153cm (39W203) 39W / 203cm		
OUTLINER 20 IP67 SHORT BRACKET 6.5cm (OUTLINER20-67B1)	(AN) Anodized	(RGB96) RGB 96LED/m	(12W053) 11.5W / 53cm (20W091) 20.1W / 90.5cm (23W103) 23W / 103cm (27W122) 27.3W / 121.7cm (35W153) 34.5W / 153cm (46W203) 46W / 203cm	(CL) Clear (OP) Opal	(24) 24VDC
OUTLINER 20 IP67 LONG BRACKET 11.5cm (OUTLINER20-67B2)	(MT) Marine Type	(RGB60) RGB 60LED/m***	(07W053) 7.2W / 53cm (12W083) 11.6W / 83cm (15W103) 14.5W / 103cm (17W123) 17.4W / 123cm (22W153) 21.7W / 153cm (29W203) 29W / 203cm		
OUTLINER 20 IP67 PENDANT (OUTLINER20 67P1) H:150cm (OUTLINER20 67P2) H:300cm		(RGB30) RGB 30LED/m***	(04W053) 3.6W / 53cm (06W083) 5.7W / 83cm (07W103) 7.2W / 103cm (09W123) 8.6W / 123cm (11W153) 10.8W / 153cm (14W203) 14.4W / 203cm		(12) 12VDC

* Short term immersion protection

** Available in other colours upon request

*** The LED density of these ribbons is low thus, the homogeneity of lighting surface of Milky type luminaire will be affected.

Ordering Code Example: OUTLINER20 67B2-AN-RGB60-22W153-OP-24

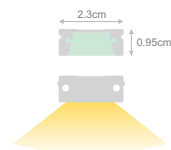
ELECSIA IP67

Exterior Linear 

- ELECSIA IP67 is a custom made linear luminaire available in standard and custom lengths upon request.
- Ensures uniformity and colour consistency of the lighting output.
- Special design and construction to meet the most demanding lighting designs.
- Multiple mounting options (fixed, surface or pendant).
- Long & Short bracket accessory for wall installation.
- Supplied with input cable & waterproof connector as standard.
- Possibility for in-out cables & waterproof connectors upon request as extra.
- L90/B10 >50.000h (for monochromatic models).
- Ingress Protection: IP67

Lighting management options:

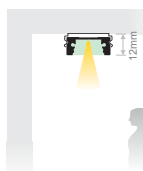
On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth



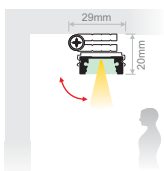
L90/B10 >50.000h
for monochromatic models

Available upon request:

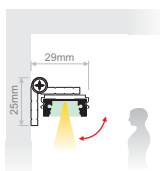
- ✓ Custom dimensions
- ✓ Custom luminaire colours



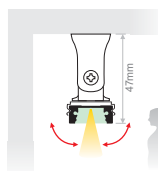
FIXED Installation



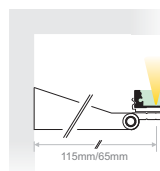
SURFACE A Installation



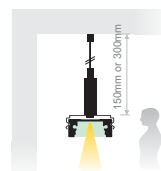
SURFACE B Installation



SURFACE C Installation



WALL BRACKET
(Long/Short) Installation



PENDANT Installation



ELA.008
Antislipper for
vertical installation
(as extra)



Input cable
with IP connectors
(as standard)



Input & Output cables
with IP connector
(as extra)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water, Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test, ACID Rain test ASTM G87, TABER test ASTM D1044, CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of G88 Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth





ELECSIA IP67



Model*	Luminaire Colour**	Colour Temperature	CRI	Watt / Length	Type	Voltage
ELECSIA IP67 FIXED (ELECSIA 67F)	(AN) Anodized (MT) Marine Type	(20) 2000K (25) 2500K (27) 2700K (30) 3000K (40) 4000K (57) 5700K	(80) ≥80	(11W053) 10.5W / 53cm	(CL) Clear (OP) Opal	(24) 24VDC
ELECSIA IP67 SURFACE A (ELECSIA 67SA)				(18W086) 17.5W / 86.3cm		
ELECSIA IP67 SURFACE B (ELECSIA 67SB)				(21W103) 21W / 103cm		
ELECSIA IP67 SURFACE C (ELECSIA 67SC)				(25W120) 24.5W / 119.7cm		
ELECSIA IP67 SHORT BRACKET 6.5cm (ELECSIA 67B1)				(32W153) 31.5W / 153cm		
ELECSIA IP67 LONG BRACKET 11.5cm (ELECSIA 67B2)				(42W203) 42W / 203cm		
ELECSIA IP67 PENDANT (ELECSIA 67P1) H:150cm (ELECSIA 67P2) H:300cm						

* Short term immersion protection

** Available in other colours upon request

Ordering Code Example: ELECSIA 67B2-AN-4080-18W086-OP-24

RGBWW / RGBCW / RGB

Model*	Luminaire Colour**	Colour	Watt / Length	Type	Voltage
ELECSIA IP67 FIXED (ELECSIA 67F)	(AN) Anodized (MT) Marine Type	(RGBWW) (RGBCW) RGBWW RGBCW 84LED/m	(14W053) 13.5W / 53cm	(CL) Clear (OP) Opal	(24) 24VDC
ELECSIA IP67 SURFACE A (ELECSIA 67SA)			(23W089) 23.1W / 88.7cm		
ELECSIA IP67 SURFACE B (ELECSIA 67SB)			(27W103) 27W / 103cm		
ELECSIA IP67 SURFACE C (ELECSIA 67SC)			(33W124) 32.8W / 124.4cm		
ELECSIA IP67 SHORT BRACKET 6.5cm (ELECSIA 67B1)			(41W153) 40.5W / 153cm		
ELECSIA IP67 LONG BRACKET 11.5cm (ELECSIA 67B2)			(54W203) 54W / 203cm		
ELECSIA IP67 PENDANT (ELECSIA 67P1) H:150cm (ELECSIA 67P2) H:300cm					
		(RGBWW) (RGBCW) RGBWW RGBCW 60LED/m	(10W053) 9.7W / 53cm		
			(16W083) 15.6W / 83cm		
			(20W103) 19.5W / 103cm		
			(23W123) 23.4W / 123cm		
			(29W153) 29.2W / 153cm		
			(39W203) 39W / 203cm		
		(RGB96) RGB 96LED/m	(12W053) 11.5W / 53cm		
			(20W091) 20.1W / 90.5cm		
			(23W103) 23W / 103cm		
			(27W122) 27.3W / 121.7cm		
			(35W153) 34.5W / 153cm		
			(46W203) 46W / 203cm		
		(RGB60) RGB 60LED/m	(07W053) 7.2W / 53cm		
			(12W083) 11.6W / 83cm		
			(15W103) 14.5W / 103cm		
			(17W123) 17.4W / 123cm		
			(22W153) 21.7W / 153cm		
			(29W203) 29W / 203cm		
		(RGB30) RGB 30LED/m	(04W053) 3.6W / 53cm		(12) 12VDC
			(06W083) 5.7W / 83cm		
			(07W103) 7.2W / 103cm		
			(09W123) 8.6W / 123cm		
			(11W153) 10.8W / 153cm		
			(14W203) 14.4W / 203cm		

* Short term immersion protection

** Available in other colours upon request

Ordering Code Example: ELECSIA 67B2-AN-RGB60-22W153-OP-24

ELECSYS IP67 RGB

Exterior Linear 

- ELECSYS IP67 is a custom made linear luminaire available in standard or custom lengths.
- Supplied with single waterproof cable & connector as standard.
- Possibility for in-out cables & connectors upon request as extra.
- Ingress Protection: IP67

Lighting management options:
DALI/DMX512/PHASE CUT/IR/RF/Bluetooth

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



Model*	Luminaire Colour	Colour**	Type	Watt / Length	Voltage
ELECSYS IP67 (ELECSYS 67)	(AN) Anodized (MT) Marine Type	(RGB) RGB	(CL) Clear (OP) Opal	(07W033) 7.3W / 0.33m	(24) 24VDC /CA
				(13W058) 13.0W / 0.58m	
				(20W090) 20.5W / 0.90m	
				(27W121) 27.6W / 1.21m	
				(34W152) 34.5W / 1.52m	
				(46W202) 46.0W / 2.02m	

* IP67: Short term immersion protection
** Available in RGBW upon request

Ordering Code Example:
ELECSYS 67-AN-RGB-OP-34W152-24



RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat - Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87. TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



- ELECSYS IP67 is a custom made linear luminaire available in standard or custom lengths.
- Supplied with single waterproof cable & connector as standard.
- Possibility for in-out cables & connectors upon request as extra.
- L90/B10 >50.000h
- Ingress Protection: IP67

Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

L90/B10 >50.000h
for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



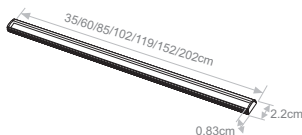
LIGHTSOURCE BY
NICHIA

Model*	Luminaire Colour	Colour Temperature	Type	Watt / Length	Voltage
ELECSYS IP67 (ELECSYS 67)	(AN) Anodized (MT) Marine Type	(20) 2000K	(CL) Clear (OP) Opal	(07W035) 7W / 35cm	(24) 24VDC
		(25) 2500K		(12W060) 12.2W / 60cm	
		(27) 2700K		(17W085) 17.5W / 85cm	
		(30) 3000K		(21W102) 21W / 102cm	
		(40) 4000K		(24W119) 24.5W / 119cm	
		(31W152) 31.5W / 152cm			
		(57) 5700K		(42W202) 42W / 202cm	

* IP67: Short term immersion protection

Ordering Code Example:

ELECSYS 67-AN-40-OP-31W152-24



Input cable
with IP connectors
(as standard)



ELA.008
STAINLESS STEEL HOLDER
(as standard)



ACC.048
BRACKET
(as extra)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87.
TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



WEATHER RESISTANT

MIDI U IP67



- MIDI U IP67 is a custom made linear luminaire available in standard or custom lengths.
- Supplied with single waterproof cable & connector as standard.
- Possibility for in-out cables & connectors upon request as extra.
- L90/B10 >50.000h
- Ingress Protection: IP67

Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

L90/B10 >50.000h

for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



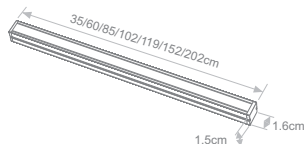
LIGHTSOURCE BY
NICHIA

Model*	Luminaire Colour	Colour Temperature	Type	Watt / Length	Voltage
MIDI U IP67 (MIDI U 67)	(AN) Anodized (MT) Marine Type	(20) 2000K	(CL) Clear (OP) Opal	(07W035) 7W / 35cm	(24) 24VDC
		(25) 2500K		(12W060) 12.2W / 60cm	
		(27) 2700K		(17W085) 17.5W / 85cm	
		(30) 3000K		(21W102) 21W / 102cm	
		(40) 4000K		(24W119) 24.5W / 119cm	
		(57) 5700K		(31W152) 31.5W / 152cm	
				(42W202) 42W / 202cm	

* IP67: Short term immersion protection

Ordering Code Example:

MIDI U 67-AN-40-OP-31W152-24



Input cable with IP connectors (as standard)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test, ACID Rain test ASTM G87, TABER test ASTM D1044, CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



WEATHER RESISTANT

- OMEGA IP67 is a custom made luminaire available in standard or custom lengths.
- Supplied with single waterproof cable & connector as standard.
- Possibility for in-out cables & connectors upon request as extra.
- L90/B10 >50,000h
- Ingress Protection: IP67

Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

L90/B10 >50.000h

for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



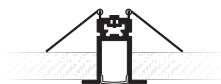
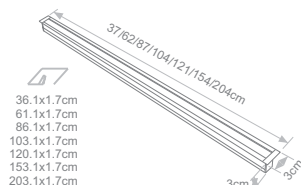
LIGHTSOURCE BY
NICHIA

Model	Luminaire Colour	Colour Temperature	Type	Watt / Length	Voltage
OMEGA IP67 (OMEGA IP67)	(AN) Anodized (MT) Marine Type	(20) 2000K	(CL) Clear (OP) Opal	(07W037) 7W / 37cm	(24) 24VDC
		(25) 2500K		(12W062) 12.2W / 62cm	
		(27) 2700K		(17W087) 17.5W / 87cm	
		(30) 3000K		(21W104) 21W / 104cm	
		(40) 4000K		(24W121) 24.5W / 121cm	
		(31) 3100K		(31W154) 31.5W / 154cm	
		(57) 5700K		(42W204) 42W / 204cm	

* IP67: Short term immersion protection

Ordering Code Example:

OMEGA 67-AN--27-OP-21W104-24



One outdoor cable and IP connector (as standard)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87. TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



INGRA IP67

Exterior Inground, Recessed & Surface



- INGRA IP67 is a custom made linear luminaire available in standard or custom lengths..
- Supplied with single waterproof cable & connector as standard.
- Possibility for in-out cables & connectors upon request as extra.
- L90/B10 50.000h
- IP67

Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

L90/B10 > 50.000h

for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



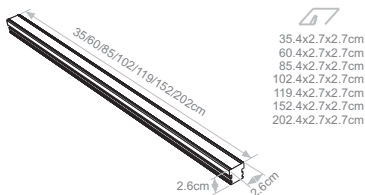
LIGHTSOURCE BY
NICHIA

Model*	Luminaire Colour	Colour Temperature	Type	Watt / Length	Voltage
INGRA IP67 (INGRA 67)	(AN) Anodized (MT) Marine Type	(20) 2000K	(OP) Opal	(07W035) 7W / 35cm	(24) 24VDC
		(25) 2500K		(12W060) 12.2W / 60cm	
		(27) 2700K		(17W085) 17.5W / 85cm	
		(30) 3000K		(21W102) 21W / 102cm	
		(40) 4000K		(24W119) 24.5W / 119cm	
		(31) 3100K		(31W152) 31.5W / 152cm	
		(57) 5700K		(42W202) 42W / 202cm	

* IP67: Short term immersion protection

Ordering Code Example:

INGRA 67-AN-40-OP-31W152-24



One outdoor cable and IP connector (as standard)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87. TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



- INGRA MINI Linear LED ideal for outdoor installations.
- Supplied with single waterproof cable & connector as standard.
- Possibility for in-out cables & connectors upon request as extra.
- L90/B10 50.000h
- IP67

Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

L90/B10 > 50.000h
for monochromatic models

Available upon request:

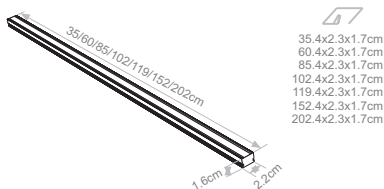
- ✓ Custom dimensions
- ✓ Custom luminaire colours



LIGHTSOURCE BY
NICHIA

Model*	Luminaire Colour	Colour Temperature	Type	Watt / Length	Voltage
INGRA MINI IP67 (INGRA MINI 67)	(AN) Anodized (MT) Marine Type	(20) 2000K	(OP) Opal	(07W035) 7W / 35cm	(24) 24VDC
		(25) 2500K		(12W060) 12.2W / 60cm	
		(27) 2700K		(17W085) 17.5W / 85cm	
		(30) 3000K		(21W102) 21W / 102cm	
		(40) 4000K		(24W119) 24.5W / 119cm	
		(31) 3100K		(31W152) 31.5W / 152cm	
		(57) 5700K		(42W202) 42W / 202cm	

* IP67: Short term immersion protection



Ordering Code Example:
INGRA MINI 67-AN-40-OP-31W152-24



One outdoor cable and IP connector (as standard)

RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and EU European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87. TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



CORNER 45 IP67

Exterior Linear 

- CORNER 45 IP67 is a custom made linear luminaire available in standard or custom lengths.
- Supplied with single waterproof cable & connector as standard.
- Possibility for in-out cables & connectors upon request as extra.
- L90/B10 >50.000h
- Ingress Protection: IP67

Lighting management options:

On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth



L90/B10 >50.000h
for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours

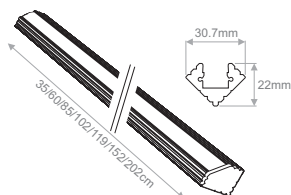
LIGHTSOURCE BY
NICHIA

Model*	Luminaire Colour	Colour Temperature	Type	Watt / Length	Voltage
CORNER 45 IP67 [CORNER 45 67]	(AN) Anodized (MT) Marine Type	(20) 2000K	(CL) Clear (OP) Opal	(07W035) 7W / 35cm	(24) 24VDC
		(25) 2500K		(12W060) 12.2W / 60cm	
		(27) 2700K		(17W085) 17.5W / 85cm	
		(30) 3000K		(21W102) 21W / 102cm	
		(40) 4000K		(24W119) 24.5W / 119cm	
		(31W152) 31.5W / 152cm		(31W152) 31.5W / 152cm	
		(57) 5700K		(42W202) 42W / 202cm	

* IP67: Short term immersion protection

Ordering Code Example:

CORNER 45 67-AN-30-OP-31W152-24



RESIN material:

Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives.

EC – Directives 89/109 Contact with Food.

Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water.

Thermal Shock – Heat – Abrasion

In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87. TABER test ASTM D1044. CROCKMETER test ASTM D6279

Marine Type features:

Powder Coating:

Ultra-durable powder coating that meets the requirements of GSB Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



- CANAL IP67 is a custom made linear luminaire available in standard or custom lengths.
- L90/B10 > 50.000h
- Ingress Protection: IP67

Lighting management options:
On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

L90/B10 > 50.000h
for monochromatic models

Available upon request:

✓ Custom dimensions

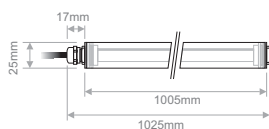


LIGHTSOURCE BY
NICHIA

Model*	No. LED	Colour Temperature	Type	Watt / Length	Beam Angle	Voltage
CANAL IP67 (CANAL 67)	(84) 84 LEDs	(20) 2000K (25) 2500K (27) 2700K (30) 3000K (40) 4000K (57) 5700K	(CL) Clear	(07W100) 21W / 100.5cm	(120) 120°	(24) 24VDC

* IP67: Short term immersion protection

Ordering Code Example:
CANAL 67-84-30-CL-07W100-120-24



Input cable
with IP connectors
(as standard)



Inox Holder
(as standard)



ACC.085
Inox Holder
(as extra)

