



EXTERIOR LINEAR

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 luminaires.
- **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
- **IK Rate:** IK04

No. of LEDs per 60cm:

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

L90/B10 50000h RGBW

Monochromatic:

L90/B10 50000h Red, Green, Blue

L70/B10 50000h Amber

L70/B10 36000h White



Marine Type

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

Powder Coating:

- ✓ Ultra-durable powder coating that meets the requirements of GS8 Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

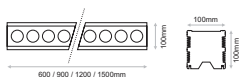
- ✓ Meets qualicoat class 2 requirements after 3 years Florida
- ✓ Meets AAMA 2604-13 requirements after 5 years Florida

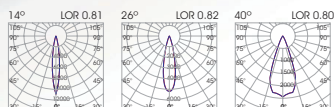
High Resistance to:

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



WEATHER RESISTANT





CREE LED

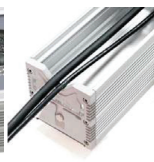
IP66

Model	Luminaire Colour**	CCT - CRI	110W LED Source	165W LED Source	220W LED Source	275W LED Source	Beam Angle	Watt / Length
PROTAGON (PROTAGON)	Grey (GR)	2700K - 80CRI [2780]	8120lm	12180lm	16240lm	20300lm	14° (14)	110W / 60cm (110W/600)
	Marine Type (MT)	2700K - 90CRI [2790]	6120lm	9180lm	12240lm	15300lm	26° (26)	165W / 90cm (165W/900)
		3000K - 80CRI [3080]	8680lm	13020lm	17360lm	21700lm	40° (40)	220W / 120cm (220W/1200)
		3000K - 90CRI [3090]	6640lm	9960lm	13280lm	16600lm		275W / 150cm (275W/1500)
		4000K - 80CRI [4080]	8680lm	13020lm	17360lm	21700lm		
		6500K - 70CRI [6570]	9880lm	14820lm	19760lm	24700lm		
	Red [RD]		6360lm	9540lm	12720lm	15900lm		
	Green [GR]		10860lm	16280lm	21710lm	27140lm		
	Blue [BL]		3250lm	4880lm	6504lm	8130lm		
	Amber [AM]		6360lm	9540lm	12720lm	15900lm		
	Tunable WC 4in1 [WC4*]		8990lm	13480lm	17970lm	22460lm		
	RGBW [RGBW]		4200lm	6300lm	8400lm	10500lm		

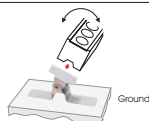
*WC4: Tunable 2700K-6500K 4in1

** Available in RAL colours upon request.

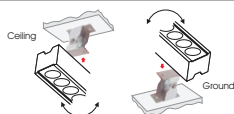
Ordering Code Example: **PROTAGON-GR-3080-14-165W/090**



1. Movable Ground Bracket



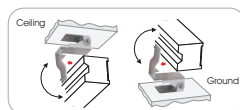
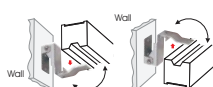
2. Fixed Ceiling or Ground Bracket



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



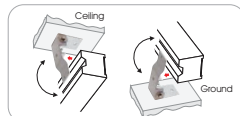
Type A



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

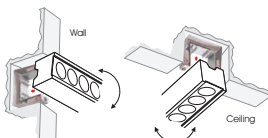


Type B

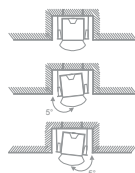


Note:
Can be used for permanent installation in ceiling or ground

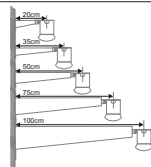
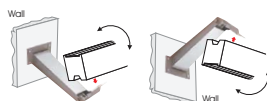
4. Recessed Bracket $\pm 5^\circ$



Note: Not for Inground Installation

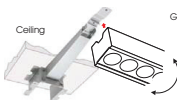


5. Fixed 20 ,35 ,50 ,75 ,100cm Wall Bracket

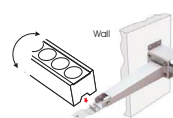
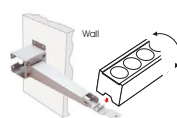


Accessories for other ways of installing 35 ,50 ,75 ,100cm Wall Bracket

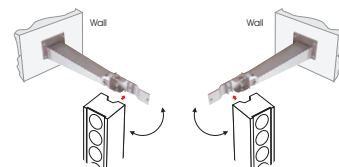
Accessory A



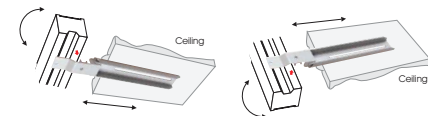
Accessory B



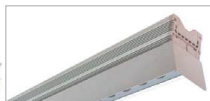
6. Adaptor for Vertical Wall Installation



7. Slide Bracket



8. Antiglare Accessory



9. DMX SET UP Programmer





ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antiochias Str, N.Philadelpia, 14341 Athens, Greece, info@electron.gr, www.electron.gr



Panathenaic Stadium, Athens, Greece
Lighting Design: arlic-design
Photo: Dionisis Koutsis

AWARD:
Best Project in 2022 Casambi Awards

ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antiochias St, N.Philadelpia, 14341 Athens, Greece, info@electron.gr, www.electron.gr

ELEGANT MAX II

Exterior Linear 

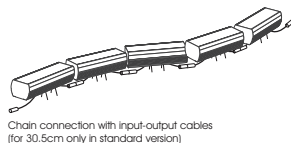
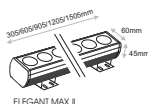
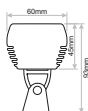
Elegant Max II is the new model of Elegant series. Ideal for outdoor and indoor architectural applications. It is unique for wall washing due to the different wall bracket lengths and the maintenance of the pitch between the luminaires. It ensures the highest glare control through antiglare accessory 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 30.5cm offered in extra version only). It is available upon request in different RAL colours.

L90/B10 50.000h
for monochromatic models

L70/B10 50.000h
for RGBW models



ELEGANT MAX II 30.5cm





Lighting management options:

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

Technical features:

Installation:	Surface mounted, Wall mounted
LED light source:	High power RGBW 4in1 LEDs
Optics:	Monochrome, Tunable White (2in1): 8° Monochrome, Tunable White (2in1), RGBW, RGBA: 12°, 22°, 45°, 60°, 12°x40°, 15°x50°, 15°x80°, 40°x12°, 50°x15°, 80°x15° 30.5cm / 60.5cm / 90.5cm / 120.5cm / 150.5cm
Lengths:	6 leds / 12 leds / 18 leds / 24 leds / 30 leds
No. of LEDs 30.5cm / 60.5cm	50 mm (Pitch is maintained between luminaries)
90.5cm / 120.5cm / 150.5cm:	Constant voltage 24VDC
Pitch:	30.5cm:17.5W / 60.5cm:35W / 90.5cm:52.5W / 120.5cm:70W / 150.5cm:87.5W
Power supply:	IP66
Power:	-25°C to +50°C.
Ingress protection:	
Operation Ambient temperature:	

Materials:

Main body:	Natural anodized anticorrosal aluminium EN AW-6060.
Protective cover:	3mm tempered Low-Iron glass.
Finishes (End caps):	Anticorrosal die cast aluminium alloy AS12 with 2 anti-corrosion powder coatings (primer & polyester).
Mounting brackets:	Natural anodized Anticorrosal 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-plated 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 Anticorrosal aluminium EN AW-6060 with INOX-316 metal parts.
Wall brackets:	Natural anodized Anticorrosal aluminium EN AW-6060 with INOX-316 metal parts.
Antiglare:	Natural anodized Anticorrosal 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*	Colour - CCT	17.5W LED Source	35W LED Source	52.5W LED Source	70W LED Source	87.5W LED Source	Beam Angle	Watt / Length	Voltage		
ELEGANT MAX II (ELEGANT MAX II)	Anodized (AN)	2700K-80CRI	(2780)	1690lm	3380lm	5070lm	6760lm	8450lm	8°*** (08)	17.5W / 30.5cm (18W031)	24VDC (24)	
		2700K-90CRI	(2790)	1390lm	2780lm	4170lm	5560lm	6950lm	12° (12)	35W / 60.5cm (35W061)		
		Marine Type (MT)	3000K-80CRI	(3080)	1690lm	3380lm	5070lm	6760lm	8450lm	22° (22)		52.5W / 90.5cm (53W091)
			3000K-90CRI	(3090)	1480lm	2960lm	4440lm	5920lm	7400lm	45° (45)		70W / 120.5cm (70W121)
			4000K-80CRI	(4080)	1870lm	3740lm	5610lm	7480lm	9350lm	60° (60)		87.5W / 150.5cm (88W151)
			4000K-90CRI	(4090)	1580lm	3160lm	4740lm	6320lm	7900lm	12°x40° (12x40)		
	RGBW (3000K) RGBW (4000K) RGBA (Amber) Tunable WC 2in1 (WC2**)	RGBW (3000K)	(RGBW30)	905lm	1810lm	2715lm	3620lm	4525lm	15°x50° (15x50)			
		RGBW (4000K)	(RGBW40)	920lm	1840lm	2760lm	3680lm	4600lm	15°x80° (15x80)			
		RGBA (Amber)	(RGBA)	795lm	1590lm	2385lm	3180lm	3975lm	40°x12° (40x12)			
									50°x15° (50x15)			
									80°x15° (80x15)			
		Tunable WC 2in1 (WC2**)		1200lm	2400lm	3600lm	4800lm	6000lm				

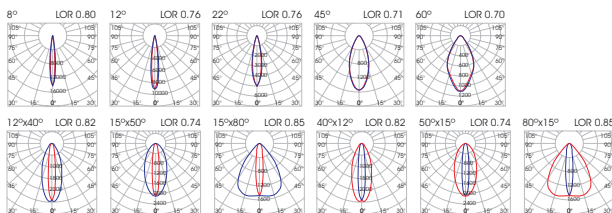
* Available in RAL colours upon request.

** WC2: Tunable 2700K-6500K 2in1

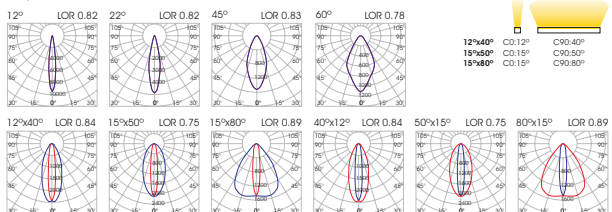
*** 8° only for Monochromatic & Tunable models.

Ordering Code Example: ELEGANT MAX II-AN-RGBW30-45-70W121-24

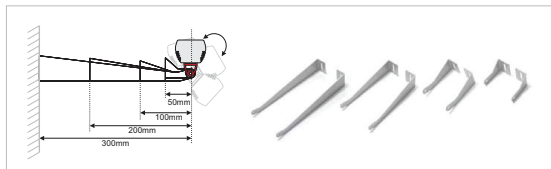
Monochrome / TW — CO — C90



RGBW / RGBA — CO — C90



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)



Ground bracket (for 30,5cm)
INOX-304
(as standard)



Ground bracket (for 30,5cm)
INOX-316
powder coated
(as extra)

Input & Output cables



Input cable
with IP connectors
(as standard
for 60.5/90.5/
120.5/150.5cm)



Output cable
with IP connector
(30.5cm only available
in this version)
(as extra for 60.5/90.5/
120.5/150.5cm)



Extension cables with connectors IP68
Lengths: 100/200/300/500cm



Input & Output cables
(30.5cm only available in this version)

ELEGANT MAX

Exterior Linear 

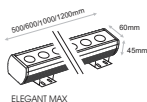
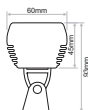
Elegant Max model of Elegant series, is ideal for outdoor and indoor architectural applications. It is unique for wall washing due to the different wall bracket lengths and the maintenance of the pitch between the luminaires. It ensures the highest glare control through antiglare accessory offered as 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 offered in extra version only). It is available upon request in different RAL colours.

L90/B10 50.000h
for monochromatic models

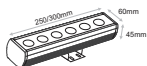
L90/B10 50.000h
for RGB, RGBW, R, G, B models



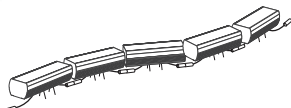
ELEGANT MAX 25cm & 30cm



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/Bluetooth

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 anticorrosal aluminium EN AW-6060.
Protective cover:	3mm tempered Low-Iron glass.
Finishes (End caps):	Anticorrosal die cast aluminium alloy AS12 with 2 anti-corrosion powder coatings (primer & polyester).
Mounting brackets:	Natural anodized Anticorrosal 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 -50oC to +80oC.
Screws:	Stainless steel.

Accessories Materials:

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

Marine Type features:

Powder Coating:	Ultra-durable powder coating that meets the requirements of GS8 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	17.5W LED Source	35W LED Source	70W LED Source	Beam Angle	Watt / Length***	Voltage
ELEGANT MAX (ELEGANT MAX)	Anodized (AN)	2700K - 80CRI [2780]	1690lm	3370lm	6750lm	10° [10]	17.5W / 25cm (18W025)	24VDC (24)
	Marine Type (MT)	2700K - 90CRI [2790]	1390lm	2780lm	5560lm	25° [25]	17.5W / 30cm (18W030)	
		3000K - 80CRI [3080]	1780lm	3560lm	7110lm	45° [45]	35W / 50cm (35W050)	
		3000K - 90CRI [3090]	1480lm	2960lm	5930lm	10°x40° [40]	35W / 60cm (35W060)	
		4000K - 80CRI [4080]	1870lm	3740lm	7480lm		70W / 100cm (70W100)	
		4000K - 90CRI [4090]	1690lm	3370lm	6750lm		70W / 120cm (70W120)	
		5700K - 80CRI [5780]	1870lm	3740lm	7480lm			
		5700K - 90CRI [5790]	1690lm	3370lm	6750lm			
		6500K - 80CRI [6580]	1870lm	3740lm	7480lm			
		Tunable WC 1in1 [WNC1*]	-	3560lm	7110lm			
		Tunable WNC 1in1 [WNC1*]	-	2950lm	5900lm			
		Red [RD]	920lm	1840lm	3670lm			
		Green [GR]	1650lm	3300lm	6600lm			
		Blue [BL]	470lm	940lm	1870lm			
		Amber [AM]	1010lm	2030lm	4060lm			
		RGB 1in1 [RGB1]	-	1430lm	2850lm			
		Tunable WNC 3in1 [WNC3*]	-	2700lm	5400lm	25° [25]		
		RGB 3in1 [RGB3]	-	2500lm	4990lm	10°x40° [40]		
		RGBW 4in1 [RGBW]	-	2650lm	5310lm			
		RGBA 4in1 [RGBA]	-	2450lm	4890lm			

*WC1: Tunable 2700K-6500K 1in1

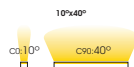
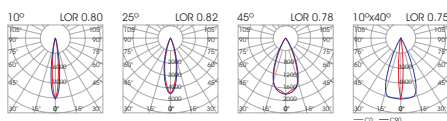
*WNC1: Tunable 2700K-4000K-6500K 1in1

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

** Available in RAL colours upon request

*** 25cm & 30cm only available monochromatic

Ordering Code Example: ELEGANT MAX-AN-3090-45-70W/100-24



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)



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



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

Input & Output cables



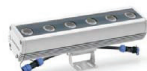
Input cable
with IP connectors
(as standard
for 50/60/100/120cm)



Output cable
with IP connector
(20/30cm only available
in this version)
(as extra for 50/60/100/120cm)



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



Input & Output cables
(25/30cm only available in this version)



Panathenaic Stadium, Athens, Greece
Lighting Design: artic-design

AWARD:
Best Project in 2022 Casambi Awards

ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antiochias Str, N.Philadelpchia, 14341 Athens, Greece, info@electron.gr, www.electron.gr



ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 66 Antichias St, N.Philadelphia, 14341 Athens, Greece, info@electron.gr, www.electron.gr

ELEGANT MIDI

Exterior Linear 

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 offered in extra version only). It is available upon request in different RAL colours.

L90/B10 50.000h

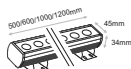
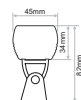
for monochromatic models

L90/B10 50.000h

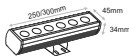
for RGB, RGBW, R, G, B models



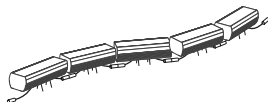
ELEGANT MIDI 25cm & 30cm



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/Bluetooth

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 anticorrosal aluminium EN AW-6060.
Protective cover:	3mm tempered Low-Iron glass.
Finishes (End caps):	Anticorrosal die cast aluminium alloy AS12 with 2 anti-corrosion powder coatings (primer & polyester).
Mounting brackets:	Natural anodized Anticorrosal 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 Anticorrosal aluminium EN AW-6060 with INOX-316 metal parts.
Wall brackets:	Natural anodized Anticorrosal aluminium EN AW-6060 with INOX-316 metal parts.
Antiglare:	Natural anodized Anticorrosal aluminium EN AW-6060 with INOX-316 metal parts.

Marine Type features:

Powder Coating:	Ultra-durable powder coating that meets the requirements of GS8 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	10W LED Source	20W LED Source	40W LED Source	Beam Angle	Watt / Length***	Voltage		
ELEGANT MIDI (ELEGANT MIDI)	Anodized (AN) Marine Type (MT)	2700K - 80CRI	[2780]	1070lm	2130lm	4260lm	10° [10]	10W / 25cm (10W/25)	24VDC (24)	
		2700K - 90CRI	[2790]	880lm	1760lm	3510lm	25° [25]	10W / 30cm (10W/30)		
		3000K - 80CRI	[3080]	1120lm	2250lm	4490lm	45° [45]	20W / 50cm (20W/50)		
		3000K - 90CRI	[3090]	940lm	1870lm	3740lm	10°x40° [40]	20W / 60cm (20W/60)		
		4000K - 80CRI	[4080]	1180lm	2360lm	4720lm		40W / 100cm (40W/100)		
		4000K - 90CRI	[4090]	1070lm	2130lm	4260lm		40W / 120cm (40W/120)		
		5700K - 80CRI	[5780]	1180lm	2360lm	4720lm				
		5700K - 90CRI	[5790]	1070lm	2130lm	4260lm				
		6500K - 80CRI	[6580]	1180lm	2360lm	4720lm				
		Tunable WC 1in1	[WNC1*]	-	2250lm	4490lm				
		Tunable WNC 1in1	[WNC1*]	-	1690lm	3370lm				
		Red	[RD]	580lm	1160lm	2320lm				
		Green	[GR]	1160lm	2310lm	4620lm				
		Blue	[BL]	320lm	630lm	1260lm				
		Amber	[AM]	660lm	1320lm	2640lm				
		RGB 1in1	[RGB1]	-	920lm	1840lm				
		Tunable WNC 3in1	[WNC3*]	-	1900lm	3790lm	25° [25]			
		RGB 3in1	[RGB3]	-	1640lm	3280lm	10°x40° [40]			
		RGBW 4in1	[RGBW]	-	1620lm	3230lm				
		RGBA 4in1	[RGBA]	-	1530lm	3050lm				

ECO

ECO

Model	Luminaire Colour**	CCT - CRI	20W LED Source	40W LED Source	Beam Angle	Watt / Length***	Voltage
ELEGANT MIDI ECO (ELEGANT MIDI ECO)	Anodized (AN) Marine type (MT)	2700K - 80CRI [2780]	2130lm	4260lm	15° [15]	20W / 50cm (20W/50)	24VDC (24)
		2700K - 90CRI [2790]	1760lm	3510lm	25° [25]	20W / 60cm (20W/60)	
		3000K - 80CRI [3080]	2250lm	4490lm	45° [45]	40W / 100cm (40W/100)	
		3000K - 90CRI [3090]	1870lm	3740lm	10°x45° [40]	40W / 120cm (40W/120)	
		4000K - 80CRI [4080]	2360lm	4720lm			
		4000K - 90CRI [4090]	2360lm	4720lm			
		6500K - 80CRI [6580]	2360lm	4720lm			
		Tunable WC 1in1 [WNC1*]	2250lm	4490lm			
		Tunable WNC 1in1 [WNC1*]	1690lm	3370lm			
		Red [RD]	1160lm	2320lm			
		Green [GR]	2310lm	4620lm			
		Blue [BL]	630lm	1260lm			
		Amber [AM]	1320lm	2640lm			
		RGB 1in1 [RGB1]	920lm	1840lm			
		Tunable WNC 3in1 [WNC3*]	1900lm	3790lm	25° [25]		
		RGB 3in1 [RGB3]	1640lm	3280lm	10°x45° [40]		
		RGBW 4in1 [RGBW]	1620lm	3230lm			

*WC1: Tunable 2700K-6500K 1in1

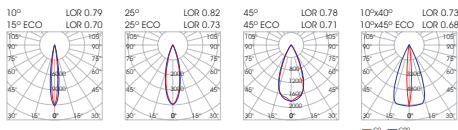
*WNC1: Tunable 2700K-4000K-6500K 1in1

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

** Available in RAL colours upon request

*** 25cm & 30cm only available monochromatic

Ordering Code Example: ELEGANT MIDI-AN-4080-25-40W/120-24



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)



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
(20/30cm only available
in this version)
(as extra for 50/60/100/120cm)

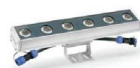


Input cable (for ECO model):
Open wire ends with ferrules
(as standard
for 50/60/100/120cm)

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 & Output cables
(25/30cm only available in this version)

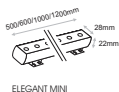
ELEGANT MINI

Exterior Linear 

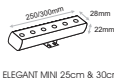
Elegant MINI is the slimmest and lower range in wattage model of Elegant series, ideal for outdoor and indoor architectural applications. It is unique for wall washing due to the different wall bracket lengths and the maintenance of the pitch between the luminaires. It ensures the highest glare control 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 offered in extra version only). It is available upon request in different RAL colours.

L80/B10 50.000h
for monochromatic models

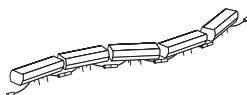
L90/B10 50.000h
for RGB, R, G, B models



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/Bluetooth

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),
Lengths:	25cm, 30cm, 50cm, 60cm, 100cm, 120cm
No. of LEDs 100, 120cm / 50, 60cm:	24 leds / 12 leds
No. of LEDs 25cm & 30cm:	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: 6.5W / 50cm, 60cm: 13W / 100cm, 120cm: 26W
Ingress protection:	IP66
Operation Ambient temperature:	-25°C to +50°C
Weight 25/30/50/60/100/120cm:	0,27 / 0,35 / 0,532 / 0,680 / 0,970 / 1,120kgs (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).
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 -50oC to +80oC.
Stencils:	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 GS8 Master, Qualicoat Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.
Exterior Durability:	Meets qualicoat class 2 requirements after 3 years Florida
High Resistance to:	Meets AAMA 2604-13 requirements after 5 years Florida
	Weather, UV, Water and mould growth



WEATHER RESISTANT

Model	Luminaire Colour**	CCT*** - CRI	6.5W LED Source	13W LED Source	26W LED Source	Beam Angle	Watt / Length***	Voltage
ELEGANT MINI (ELEGANT MINI)	Anodized (AN)	2700K - 80CRI [2780]	510lm	1030lm	2060lm	14° (14)	6.5W / 25cm (07W025)	24VDC (24)
	Marine Type (MT)	2700K - 90CRI [2790]	390lm	770lm	1550lm	27° (27)	6.5W / 30cm (07W030)	
		3000K - 80CRI [3080]	550lm	1090lm	2190lm	49° (49)	13W / 50cm (13W050)	
		3000K - 90CRI [3090]	420lm	840lm	1680lm	13°x40° (40)	13W / 60cm (13W060)	
		4000K - 80CRI [4080]	550lm	1090lm	2190lm		26W / 100cm (26W100)	
		6500K - 70CRI [6570]	624lm	1250lm	1250lm		26W / 120cm (26W120)	
		Tunable WC 1in1 [WNC1*]	-	1140lm	2280lm			
		Tunable WNC 1in1 [WNC1*]	-	1260lm	2530lm			
		Red [RD]	340lm	680lm	1360lm			
		Green [GR]	770lm	1530lm	3070lm			
		Blue [BL]	220lm	440lm	880lm			
		Amber [AM]	420lm	840lm	1680lm			
		RGB 1in1 [RGB1]	-	650lm	1290lm			

ECO

Model	Luminaire Colour**	CCT*** - CRI	13W LED Source	26W LED Source	Beam Angle	Watt / Length***	Voltage
ELEGANT MINI ECO (ELEGANT MINI ECO)	Anodized (AN)	2700K - 80CRI [2780]	1030lm	2060lm	12° (12)	13W / 50cm (13W050)	24VDC (24)
	Marine Type (MT)	2700K - 90CRI [2790]	770lm	1550lm	30° (30)	13W / 60cm (13W060)	
		3000K - 80CRI [3080]	1090lm	2190lm	45° (45)	26W / 100cm (26W100)	
		3000K - 90CRI [3090]	840lm	1680lm	25°x50° (50)	26W / 120cm (26W120)	
		4000K - 80CRI [4080]	1090lm	2190lm			
		6500K - 70CRI [6570]	1250lm	1250lm			
		Tunable WC 1in1 [WNC1*]	1140lm	2280lm			
		Tunable WNC 1in1 [WNC1*]	1260lm	2530lm			
		Red [RD]	680lm	1360lm			
		Green [GR]	1530lm	3070lm			
		Blue [BL]	440lm	880lm			
		Amber [AM]	840lm	1680lm			
		RGB 1in1 [RGB1]	650lm	1290lm			

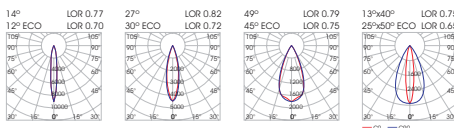
*WC1: Tunable 2700K-6500K 1in1

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

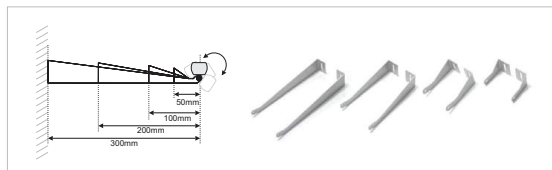
** Available in RAL colours upon request

*** 25cm & 30cm only available monochromatic

Ordering Code Example: ELEGANT MINI-AN-6570-14-13W060-24



Accessories



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



Antiflare accessory
(as extra)

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
(20/30cm only available
in this version)
(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 & Output cables
(25/30cm only available in this version)

ELEGANT HV



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.

L80/B10 50.000h
for monochromatic models

Power Supply
220-240VAC / 50-60Hz

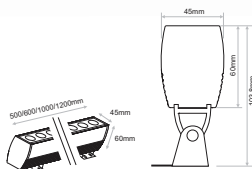


Lighting management options:
On-Off/DALI0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

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
24 LEDs / 12 LEDs
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 / 3,37kg (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-plated 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 -50°C to +80°C.
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), EN13458 (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

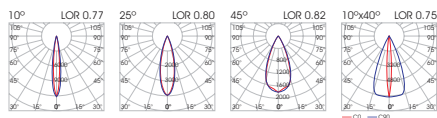


Model	Luminaire Colour*	CCT - CRI	18W LED Source	35W LED Source	Beam Angle	Watt / Length	Dimming Option
ELEGANT HV (ELEGANT HV)	Anodized (AN)	2700K - 80CRI (2780)	2260lm	4390lm	10° (10)	18W / 50cm (18W050)	Non-Dimmable (ND)
	Marine Type (MT)	2700K - 90CRI (2790)	1860lm	3620lm	25° (25)	18W / 60cm (18W060)	Analogue (1-10V) (A1)
		3000K - 80CRI (3080)	2380lm	4620lm	45° (45)	35W / 100cm (35W100)	DAI (DL)
		3000K - 90CRI (3090)	1980lm	3850lm	10°x40° (40)	35W / 120cm (35W120)	
		4000K - 80CRI (4080)	2500lm	4850lm			
		4000K - 90CRI (4090)	2260lm	4390lm			
		5700K - 80CRI (5780)	2500lm	4850lm			
		5700K - 90CRI (5790)	2260lm	4390lm			
		6500K - 80CRI (6580)	2500lm	4850lm			
	Red (RD)		1210lm	2350lm			
	Green (GR)		2480lm	4820lm			
	Blue (BL)		660lm	1290lm			
	Amber (AM)		1390lm	2700lm			

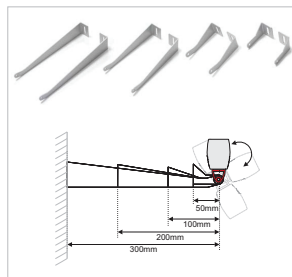
* Available in RAL colours upon request.

Ordering Code Example:

ELEGANT HV-AN-4080-25-35W/120-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 IP68 connectors
(as standard)



Output cable
with IP68 connector
(as extra)



ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antiochias Str, N.Philadelphia, 14341 Athens, Greece, info@electron.gr, www.electron.gr



a12 Showroom, Athens, Greece
Architect: Nikos Glos

ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antichias St, N. Philadelpchia, 14341 Athens, Greece, info@electron.gr, www.electron.gr

OUTLINER 50 IP67



Outliner IP67 series is a complete series of custom made linear luminaires with clear or opal lighting surface. 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 50cm 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, wall brackets or pendant).
- Long & Short bracket accessories available for wall installation.
- L90/B10 > 50.000h (for monochromatic models).
- Ingress Protection: IP67
- Supplied with input cable & IP68 connector as standard.
- Possibility for In-out cables & IP68 connectors upon request as extra.

Lighting management options:

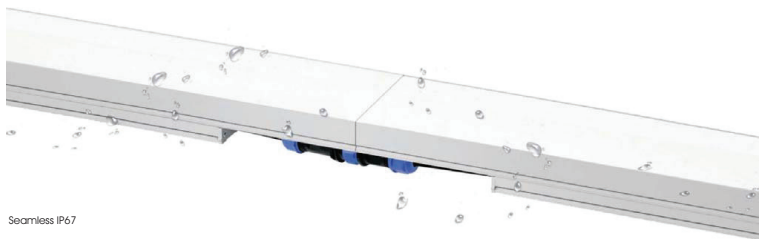
On-Off/DALI(0...10V/1...10V)/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

L90/B10 > 50.000h

for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



Seamless IP67

RESIN material:

1st-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 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:

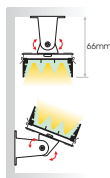
Weather, UV, Water and mould growth



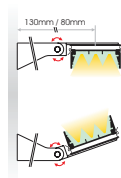
STANDARD



FIXED



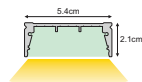
SURFACE



WALL BRACKET
(Long/Short)



PENDANT



PRH.020
ANTI-SLIPPER
for vertical installation
(as extra)

SEAMLESS



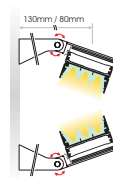
FIXED



FIXED ELEVATED



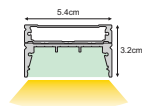
SURFACE



WALL BRACKET
(Long/Short)



PENDANT



PRH.020
ANTI-SLIPPER
for vertical installation
(as extra)



PRH.030
COUPLER accessory
(as extra)

Connectors



Input cable with IP68 connectors
supplied as standard.



In-Out cables & IP68 connectors
supplied as extra.



Supply connectors for a luminaire array
(as extra)

CNC.009 2 pole connector (monochrome)

CNC.013 4 pole connector (RGB)

CNC.053 5 pole connector (RGBW)

STANDARD

LIGHTSOURCE BY
NICHIA
for Monochromatic

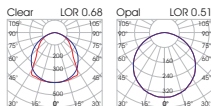
IP67

Model**	Luminaire Colour**	CCT	CRI	Watt** / Length	Type	Voltage
OUTLINER 50 IP67 FIXED (OUTLINER50-67F)	Anodized (AN) Marine Type (MT)	2000K (20) 2500K (25) 2700K (27) 3000K (30) 4000K (40) 5700K (57)	> 80 (80)	31.5W / 53cm (32W053) 52.5W / 86.3cm (53W086) 63W / 103cm (63W103) 73.5W / 119.7cm (74W120) 94.5W / 153cm (95W153) 126W / 203cm (126W203)	Clear (CL) Opal (OP)	24VDC (24)
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						
<i>RGBWW / RGBCW / RGB</i>						
Colour		Watt / Length				
RGBWW (RGBWW) RGBCW (RGBCW) 84LED/m		40.5W / 53cm (41W053) 69.3W / 86.7cm (69W089) 81W / 103cm (81W103) 98.4W / 124.4cm (98W124) 121.5W / 153cm (122W153) 162W / 203cm (162W203)				
RGBWW (RGBWW) RGBCW (RGBCW) 60LED/m***		29.1W / 53cm (29W053) 46.8W / 83cm (47W083) 58.5W / 103cm (59W103) 70.2W / 123cm (70W123) 87.6W / 153cm (88W153) 117W / 203cm (117W203)				
RGB (RGB) 96LED/m		34.5W / 53cm (35W053) 60.3W / 90.5cm (60W091) 69W / 103cm (69W103) 81.9W / 121.7cm (82W122) 103.5W / 153cm (104W153) 138W / 203cm (138W203)				
RGB (RGB) 60LED/m***		21.6W / 53cm (22W053) 34.8W / 83cm (35W083) 43.5W / 103cm (44W103) 52.2W / 123cm (52W123) 65.1W / 153cm (65W153) 87W / 203cm (87W203)				
RGB (RGB) 30LED/m***		10.8W / 53cm (11W053) 17.1W / 83cm (17W083) 21.6W / 103cm (22W103) 25.8W / 123cm (26W123) 32.4W / 153cm (32W153) 43.2W / 203cm (43W203)				12VDC (12)

* Short term immersion protection.

** Available in other colours and power 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-4080-53W086-OP-24

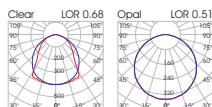
SEAMLESS

Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length	Type	Voltage
OUTLINER 50 SEAMLESS IP67 FIXED (OUTLINER50-67SF) OUTLINER 50 SEAMLESS IP67 FIXED ELEVATED (OUTLINER50-67SFE) OUTLINER 50 SEAMLESS IP67 SURFACE (OUTLINER50-67SS) OUTLINER 50 SEAMLESS IP67 SHORT BRACKET 6.5cm (OUTLINER50-67SB1)	Anodized (AN) Marine Type (MT)	2000K (20)	> 80 (80)	31.5W / 50,3cm (32W050)	Clear (CL) Opal (OP)	24VDC (24)
		2500K (25)		52.5W / 83,7cm (53W084)		
		2700K (27)		63W / 100,3cm (63W100)		
		3000K (30)		73.5W / 117cm (74W117)		
		4000K (40)		94.5W / 150,3cm (95W150)		
		5700K (57)		126W / 200,3cm (126W200)		
		RGBWW / RGBCW / RGB				
		Colour Watt / Length				
		RGBWW (RGBWW)		40.5W / 50,3cm (41W050)		
		RGBCW (RGBCW)		69.3W / 86cm (69W086)		
OUTLINER 50 SEAMLESS IP67 LONG BRACKET 11.5cm (OUTLINER50-67SB2)		84LED/m		81W / 100,3cm (81W100)		
				98.4W / 121,7cm (98W122)		
				121.5W / 150,3cm (122W150)		
				162W / 200,3cm (162W200)		
		RGBWW (RGBWW)		29.1W / 50,3cm (29W050)		
		RGBCW (RGBCW)		46.8W / 80,3cm (47W080)		
		60LED/m***		58.5W / 100,3cm (59W100)		
				70.2W / 120,3cm (70W120)		
				87.6W / 150,3cm (88W150)		
				117W / 200,3cm (117W200)		
OUTLINER 50 SEAMLESS IP67 PENDANT (OUTLINER50-67SP1) H:150cm (OUTLINER50-67SP2) H:300cm		RGB (RGB90)		34.5W / 50,3cm (35W050)		
		96LED/m		60.3W / 87,8cm (60W088)		
				69W / 100,3cm (69W100)		
				81.9W / 119cm (82W119)		
				103.5W / 150,3cm (104W150)		
				138W / 200,3cm (138W200)		
		RGB (RGB80)		21.6W / 50,3cm (22W050)		
		60LED/m***		34.8W / 80,3cm (35W080)		
				43.5W / 100,3cm (44W100)		
				52.2W / 120,3cm (52W120)		
OUTLINER 50 SEAMLESS IP67 PENDANT (OUTLINER50-67SP2) H:300cm		RGB (RGB30)		65.1W / 150,3cm (65W150)		12VDC (12)
		30LED/m***		87W / 200,3cm (87W200)		
				10.8W / 50,3cm (11W050)		
				17.1W / 80,3cm (17W080)		
				21.6W / 100,3cm (22W100)		
				25.8W / 120,3cm (26W120)		
				32.4W / 150,3cm (32W150)		
				43.2W / 200,3cm (43W200)		

* Short term immersion protection.

** Available in other colours or/and power 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: OUTLINER50-67SS-AN-RGB80-52W/120-OP-24

OUTLINER 40 IP67



Outliner IP67 series is a complete series of custom made linear luminaires with clear or opal lighting surface. 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 50cm 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, wall brackets or pendant).
- Long & Short bracket accessories available for wall installation.
- L90/B10 >50.000h (for monochromatic models).
- Ingress Protection: IP67
- Supplied with input cable & IP68 connector as standard.
- Possibility for In-out cables & IP68 connectors upon request as extra.

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



Seamless IP67

RESIN material:

1fr-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 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



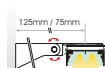
STANDARD



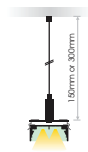
FIXED



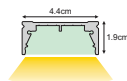
SURFACE



WALL BRACKET
(Long/Short)



PENDANT



PRH.019
ANTI SLIPPER
for vertical installation
(as extra)

SEAMLESS



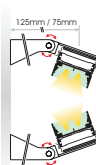
FIXED



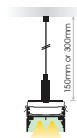
FIXED ELEVATED



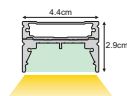
SURFACE



WALL BRACKET
(Long/Short)



PENDANT



PRH.019
ANTI SLIPPER
for vertical installation
(as extra)



PRH.029
COUPLER accessory
(as extra)

Connectors



Input cable with IP68 connectors
supplied as standard.



In-Out cables & IP68 connectors
supplied as extra.



Supply connectors for a luminaire array
(as extra)

CNC.009 2 pole connector (monochrome)

CNC.013 4 pole connector (RGB)

CNC.053 5 pole connector (RGBW)

STANDARD



IP67

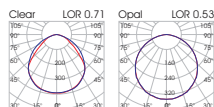
Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length	Type	Voltage
OUTLINER 40 IP67 FIXED (OUTLINER40-67F)	Anodized (AN) Marine Type (MT)	2000K (20)	> 80 (80)	21W / 53cm (21W053)	Clear (CL) Opal (CP)	24VDC (24)
		2500K (25)		35W / 86.3cm (35W086)		
		2700K (27)		42W / 103cm (42W103)		
		3000K (30)		49W / 119.7cm (49W120)		
		4000K (40)		63W / 153cm (63W153)		
OUTLINER 40 IP67 SURFACE (OUTLINER40-67S)		5700K (57)		84W / 203cm (84W203)		
OUTLINER 40 IP67 SHORT BRACKET 7.5m (OUTLINER40-67B1)						
OUTLINER 40 IP67 LONG BRACKET 12.5cm (OUTLINER40-67B2)						
OUTLINER 40 IP67 PENDANT (OUTLINER40 67P1) H:150cm (OUTLINER40 67P2) H:300cm						
RGBWW / RGBCW / RGB						
		Colour		Watt / Length		
		RGBWW (RGBWW) RGBCW (RGBCW) 84LED/m		27W / 53cm (27W053) 46.2W / 86.7cm (46W089) 54W / 103cm (54W103) 65.6W / 124.4cm (66W124) 81W / 153cm (81W153) 108W / 203cm (108W203)		
		RGBWW (RGBWW) RGBCW (RGBCW) 60LED/m****		19.4W / 53cm (19W053) 31.2W / 83cm (31W083) 39W / 103cm (39W103) 46.8W / 123cm (47W123) 58.4W / 153cm (58W153) 78W / 203cm (78W203)		
		RGB (RGB86) 96LED/m		23W / 53cm (23W053) 40.2W / 90.5cm (40W091) 46W / 103cm (46W103) 54.6W / 121.7cm (55W122) 69W / 153cm (69W153) 92W / 203cm (92W203)		
		RGB (RGB80) 60LED/m****		14.4W / 53cm (14W053) 23.2W / 83cm (23W083) 29W / 103cm (29W103) 34.8W / 123cm (35W123) 43.4W / 153cm (43W153) 58W / 203cm (58W203)		
		RGB (RGB80) 30LED/m****		7.2W / 53cm (7W053) 11.4W / 83cm (11W083) 14.4W / 103cm (14W103) 17.2W / 123cm (17W123) 21.6W / 153cm (22W153) 28.8W / 203cm (29W203)	12VDC (12)	

* Short term immersion protection.

** Available in other colours or/and power 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-RGB80-43W153-OP-24



SEAMLESS



IP67

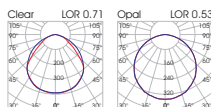
Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length***	Type	Voltage
OUTLINER 40 SEAMLESS IP67 FIXED (OUTLINER40-67SF)	Anodized (AN) Marine Type (MT)	2000K (20) 2500K (25) 2700K (27) 3000K (30) 4000K (40) 5700K (57)	> 80 (80)	21W / 50,3cm (21W050) 35W / 83,7cm (35W084) 42W / 100,3cm (42W100) 49W / 117cm (49W117) 63W / 150,3cm (63W150) 84W / 200,3cm (84W200)	Clear (CL) Opal (OP)	24VDC (24)
OUTLINER 40 SEAMLESS IP67 ELEVATED (OUTLINER40-67SE)						
OUTLINER 40 SEAMLESS IP67 SURFACE (OUTLINER40-67SS)						
OUTLINER 40 SEAMLESS IP67 SHORT BRACKET 6.5cm (OUTLINER40-67SB1)						
OUTLINER 40 SEAMLESS IP67 LONG BRACKET 11.5cm (OUTLINER40-67SL2)						
OUTLINER 40 SEAMLESS IP67 PENDANT (OUTLINER40-67SP1) H:150cm (OUTLINER40-67SP2) H:300cm						
RGBWW / RGBCW / RGB						
Colour		Watt** / Length***				
RGBWW (RGBWW) RGBCW (RGBCW) 84LED/m		27W / 50,3cm (27W050) 46,2W / 83,7cm (46W086) 54W / 100,3cm (54W100) 65,6W / 121,7cm (65W122) 81W / 150,3cm (81W150) 108W / 200,3cm (108W200)				
RGBWW (RGBWW) RGBCW (RGBCW) 60LED/m****		19,4W / 50,3cm (19W050) 31,2W / 80,3cm (31W080) 39W / 100,3cm (39W100) 46,8W / 120,3cm (47W120) 58,4W / 150,3cm (58W150) 78W / 200,3cm (78W200)				
RGB (RGB96) 96LED/m		23W / 50,3cm (23W050) 40,2W / 87,8cm (40W088) 46W / 100,3cm (46W100) 54,6W / 119cm (55W119) 69W / 150,3cm (69W150) 92W / 200,3cm (92W200)				
RGB (RGB60) 60LED/m****		14,4W / 50,3cm (14W050) 23,2W / 80,3cm (23W080) 29W / 100,3cm (29W100) 34,8W / 120,3cm (35W120) 43,4W / 150,3cm (43W150) 58W / 200,3cm (58W200)				
RGB (RGB30) 30LED/m****		7,2W / 50,3cm (07W050) 11,4W / 80,3cm (11W080) 14,4W / 100,3cm (14W100) 17,2W / 120,3cm (17W120) 21,6W / 150,3cm (22W150) 28,8W / 200,3cm (29W200)				12VDC (12)

* IP67: Short term immersion protection.

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

*** Length without end caps for seamless installation (Add 2mm for each end cap).

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



Ordering Code Example: OUTLINER40-67SS-AN-RGB60-35W120-OP-24

OUTLINER 40 Recessed IP66



Outliner Recessed IP66 series is a custom made linear luminaire series with clear or opal lighting surface. It is available in 2 different widths of 20 and 40mm (luminous area widths). It is offered in standard and in custom lengths varying from 50cm 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.

RC IP66 / RC Seamless IP66:

- L90/B10 > 50000 h, 3 Step MacAdam.
- Ingress Protection: IP66

RC IP66:

- Supplied with input cable & IP68 connector as standard.
- Possibility for in-out cables & IP68 connectors upon request as extra.

RC Seamless IP66:

- Supplied with input-output cables & IP68 connectors as standard.

L90/B10 50.000h

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours

Lighting management options:

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



Seamless IP67

RESIN material:

Ti- 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

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

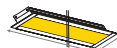
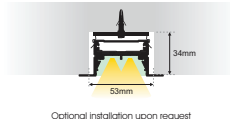
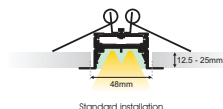
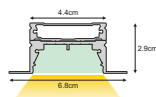
Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



STANDARD



Dimensions:

for Monochromatic, Tunable White:
68 x 55,6/88,9/105,6/122,3/155,6/205,6cm
Cutting hole:
48 x 53,6/86,9/103,6/120,3/153,6/203,6cm

for RGBWW-RGBCW 84LED/m:
68 x 55,6/91,3/105,6/127/155,6/205,6cm
Cutting hole:
48 x 53,6/89,3/103,6/125/153,6/203,6cm

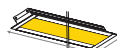
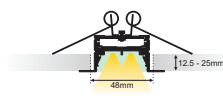
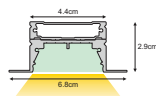
for RGBWW-RGBCW 60LED/m, RGB 60LED/m, RGB 30LED/m:
68 x 55,6/85,6/105,6/125,6/155,6/205,6cm
Cutting hole:
48 x 53,6/83,6/103,6/123,6/153,6/203,6cm

for RGB 96LED/m:
68 x 55,6/93,1/105,6/124,3/155,6/205,6cm
Cutting hole:
48 x 53,6/91,1/103,6/122,3/153,6/203,6cm



Note:
Cutting hole must be 20mm than the luminaire length.

SEAMLESS



Dimensions:

for Monochromatic, Tunable White:
68 x 53,3/86,7/103,3/120/153,3/203,3cm
Cutting hole:
48 x 51,3/84,7/101,3/118/151,3/201,3cm

for RGBWW-RGBCW 84LED/m:
68 x 53,3/89/103,3/124,7/153,3/203,3cm
Cutting hole:
48 x 51,3/87/101,3/122,7/151,3/201,3cm

for RGBWW-RGBCW 60LED/m, RGB 60LED/m, RGB 30LED/m:
68 x 53,3/83,3/103,3/123,3/153,3/203,3cm
Cutting hole:
48 x 51,3/81,3/101,3/121,3/151,3/201,3cm

for RGB 96LED/m:
68 x 53,3/90,8/103,3/122/153,3/203,3cm
Cutting hole:
48 x 51,3/88,8/101,3/120/151,3/201,3cm



Note:
Cutting hole must be 20mm shorter than the luminaire length.

Connectors



Input cable with IP68 connectors
supplied as standard.



In-Out cables & IP68 connectors
supplied as extra.



Supply connectors for a luminaire array
(as extra)

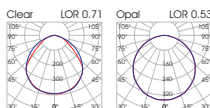
CNC.009 2 pole connector (monochrome)
CNC.013 4 pole connector (RGB)
CNC.053 5 pole connector (RGBW)

STANDARD

LIGHTSOURCE BY
NICHIA
for Monochromatic

IP66

Model	Luminaire Colour*	Colour Temperature	CRI	Watt / Length***	Type	Voltage	
OUTLINER 40 IP66 Recessed (OUTLINER 40 66RC)	Anodized Marine Type (MT)	2000K (20)	> 80 (80)	21W / 55.6cm (21W056)	Clear Opal (CJ) (CP)	24VDC (24)	
		2500K (25)		35W / 88.9cm (35W089)			
		2700K (27)		42W / 105.6cm (42W106)			
		3000K (30)		49W / 122.3cm (49W122)			
		4000K (40)		63W / 155.6cm (63W156)			
		5700K (57)		84W / 205.6cm (84W206)			
		TUNABLE WHITE					
		Colour Temperature	CRI	Watt / Length***			
		Tunable White 2700K-5700K (TW)	> 80 (80)	20W / 55.6cm (20W056)			
		33.3W / 88.9cm (33W089)					
		40W / 105.6cm (40W106)					
		46.7W / 122.3cm (47W122)					
		60W / 155.6cm (60W156)					
		80W / 205.6cm (80W206)					
		RGBWW / RGBCW / RGB					
		Colour		Watt / Length***			
		RGBWW (RGBWW)		27W / 55.6cm (27W056)			
		RGBCW (RGBCW)		46.2W / 91.3cm (46W091)			
		84LED/m		54W / 105.6cm (54W106)			
				65.6W / 127cm (66W127)			
				81W / 155.6cm (81W156)			
		108W / 205.6cm (108W206)					
RGBWW (RGBWW)		19.4W / 55.6cm (19W056)					
RGBCW (RGBCW)		31.2W / 85.6cm (31W086)					
60LED/m**		39W / 105.6cm (39W106)					
		46.8W / 125.6cm (47W126)					
		58.4W / 155.6cm (58W156)					
		78W / 205.6cm (78W206)					
RGB (RGB96)		23W / 55.6cm (23W056)					
96LED/m		40.2W / 93.1cm (40W093)					
		46W / 105.6cm (46W106)					
		54.6W / 124.3cm (55W124)					
		69W / 155.6cm (69W156)					
		92W / 205.6cm (92W206)					
RGB (RGB60)		14.4W / 55.6cm (14W056)					
60LED/m**		23.2W / 85.6cm (23W086)					
		29W / 105.6cm (29W106)					
		34.8W / 125.6cm (35W126)					
		43.4W / 155.6cm (43W156)					
		58W / 205.6cm (58W206)					
RGB (RGB30)		7.2W / 55.6cm (7W056)					
30LED/m**		11.4W / 85.6cm (11W086)					
		14.4W / 105.6cm (14W106)					
		17.2W / 125.6cm (17W126)					
		21.6W / 155.6cm (22W156)					
		28.8W / 205.6cm (29W206)					

* 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: OUTLINER 40 66RC-AN-RGB60-35W126-OP-24

SEAMLESS

LIGHTSOURCE BY
NICHIA
for Monochromatic

IP66

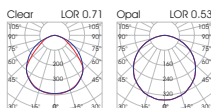
Model	Luminaire Colour*	Colour Temperature	CRI	Watt / Length***	Type	Voltage
OUTLINER 40 IP66 Recessed SEAMLESS <i>(OUTLINER 40 66RCS)</i>	Anodized Marine Type <i>(AN)</i> <i>(MT)</i>	2000K <i>(20)</i>	> 80 <i>(80)</i>	21W / 50.3cm <i>(21W050)</i>	Clear <i>(CL)</i> Opal <i>(OP)</i>	24VDC <i>(24)</i>
		2500K <i>(25)</i>		35W / 83.7cm <i>(35W084)</i>		
		2700K <i>(27)</i>		42W / 100.3cm <i>(42W100)</i>		
		3000K <i>(30)</i>		49W / 117cm <i>(49W117)</i>		
		4000K <i>(40)</i>		63W / 150.3cm <i>(63W150)</i>		
		5700K <i>(57)</i>		84W / 200.3cm <i>(84W200)</i>		
		TUNABLE WHITE				
		Colour Temperature	CRI	Watt / Length***		
		Tunable White 2700K~5700K <i>(TW)</i>	> 80 <i>(80)</i>	20W / 50.3cm <i>(20W050)</i> 33.3W / 83.7cm <i>(33W084)</i> 40W / 100.3cm <i>(40W100)</i> 46.7W / 117cm <i>(47W117)</i> 60W / 150.3cm <i>(60W150)</i> 80W / 200.3cm <i>(80W200)</i>		
		RGBWW / RGBCW / RGB				
		Colour		Watt / Length***		
		RGBWW <i>(RGBWW)</i> RGBCW <i>(RGBCW)</i> 84LED/m		27W / 50.3cm <i>(27W050)</i> 46.2W / 86cm <i>(46W086)</i> 54W / 100.3cm <i>(54W100)</i> 65.6W / 121.7cm <i>(66W122)</i> 81W / 150.3cm <i>(81W150)</i> 108W / 200.3cm <i>(108W200)</i>		
		RGBWW <i>(RGBWW)</i> RGBCW <i>(RGBCW)</i> 60LED/m**		19.4W / 50.3cm <i>(19W050)</i> 31.2W / 80.3cm <i>(31W080)</i> 39W / 100.3cm <i>(39W100)</i> 46.8W / 120.3cm <i>(47W120)</i> 58.4W / 150.3cm <i>(58W150)</i> 78W / 200.3cm <i>(78W200)</i>		
		RGB <i>(RGB96)</i> 96LED/m		23W / 50.3cm <i>(23W050)</i> 40.2W / 87.8cm <i>(40W088)</i> 46W / 100.3cm <i>(46W100)</i> 54.6W / 119cm <i>(55W119)</i> 69W / 150.3cm <i>(69W150)</i> 92W / 200.3cm <i>(92W200)</i>		
		RGB <i>(RGB60)</i> 60LED/m**		14.4W / 50.3cm <i>(14W050)</i> 23.2W / 80.3cm <i>(23W080)</i> 29W / 100.3cm <i>(29W100)</i> 34.8W / 120.3cm <i>(35W120)</i> 43.4W / 150.3cm <i>(43W150)</i> 58W / 200.3cm <i>(58W200)</i>		
		RGB <i>(RGB30)</i> 30LED/m**		7.2W / 50.3cm <i>(07W050)</i> 11.4W / 80.3cm <i>(11W080)</i> 14.4W / 100.3cm <i>(14W100)</i> 17.2W / 120.3cm <i>(17W120)</i> 21.6W / 150.3cm <i>(22W150)</i> 28.8W / 200.3cm <i>(29W200)</i>		12VDC <i>(12)</i>

* 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.

*** Length without end caps for seamless installation (Add 15mm for each end cap).

Ordering Code Example: OUTLINER 40 66RCS-AN-RGB60-35W120-OP-24



OUTLINER 30 IP67



Outliner IP67 series is a complete series of custom made linear luminaires with clear or opal lighting surface. 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 50cm 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, wall brackets or pendant).
- Long & Short bracket accessories available for wall installation.
- L90/B10 >50.000h (for monochromatic models).
- Ingress Protection: IP67
- Supplied with input cable & IP68 connector as standard.
- Possibility for In-out cables & IP68 connectors upon request as extra.

Lighting management options:

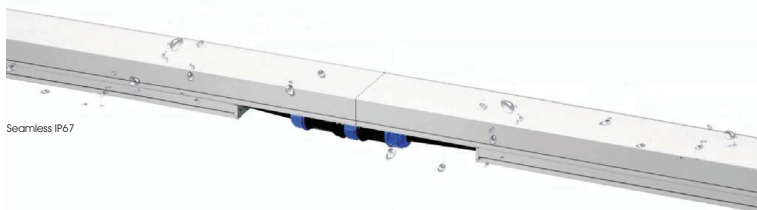
On-Off/DALI(0...10V/1...10V)/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

L90/B10 >50.000h

for monochromatic models

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



Seamless IP67

RESIN material:

1fr-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 G88 Master, Qualicoat Class2, EN12206 (formerly B56496), EN13438 (formerly B56497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

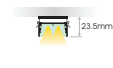
Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

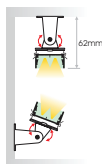
Weather, UV, Water and mould growth



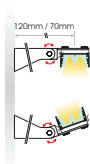
STANDARD



FIXED



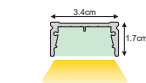
SURFACE



WALL BRACKET
(Long/Short)



PENDANT



PRH.018
ANTI-SLIPPER
for vertical installation
(as extra)

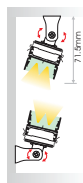
SEAMLESS



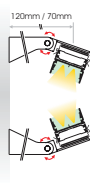
FIXED



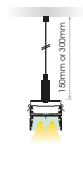
FIXED ELEVATED



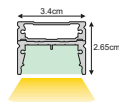
SURFACE



WALL BRACKET
(Long/Short)



PENDANT



PRH.018
ANTI-SLIPPER
for vertical installation
(as extra)



PRH.028
COUPLER accessory
(as extra)

Connectors



Input cable with IP68 connectors
supplied as standard.



In-Out cables & IP68 connectors
supplied as extra.



Supply connectors for a luminaire array
(as extra)

CNC.009 2 pole connector (monochrome)

CNC.013 4 pole connector (RGB)

CNC.053 5 pole connector (RGBW)

STANDARD

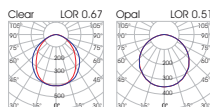
IP67

Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length	Type	Voltage
OUTLINER 30 IP67 FIXED (OUTLINER30-67F)	Anodized (AN) Marine Type (MT)	2000K (20) 2500K (25) 2700K (27) 3000K (30) 4000K (40) 5700K (57)	> 80 (80)	21W / 53cm (21W053) 35W / 86.3cm (35W086) 42W / 103cm (42W103) 49W / 119.7cm (49W120) 63W / 153cm (63W153) 84W / 203cm (84W203)	Clear (CL) Opal (OP)	24VDC (24)
OUTLINER 30 IP67 SURFACE (OUTLINER30-67S)						
OUTLINER 30 IP67 SHORT BRACKET 7cm (OUTLINER30-67B1)						
OUTLINER 30 IP67 LONG BRACKET 12cm (OUTLINER30-67B2)						
OUTLINER 30 IP67 PENDANT (OUTLINER30-67P1) H:150cm (OUTLINER30-67P2) H:300cm						
RGBWW / RGBCW / RGB						
		Colour		Watt / Length		
		RGBWW (RGBWW) RGBCW (RGBCW) 84LED/m		27W / 53cm (27W053) 46.2W / 88.7cm (46W089) 54W / 103cm (54W103) 65.6W / 124.4cm (66W124) 81W / 153cm (81W153) 108W / 203cm (108W203)		
		RGBWW (RGBWW) RGBCW (RGBCW) 60LED/m***		19.4W / 53cm (19W053) 31.2W / 83cm (31W083) 39W / 103cm (39W103) 46.8W / 123cm (47W123) 58.4W / 153cm (58W153) 78W / 203cm (78W203)		
		RGB (RGB) 96LED/m		23W / 53cm (23W053) 40.2W / 90.5cm (40W091) 46W / 103cm (46W103) 54.6W / 121.7cm (55W122) 69W / 153cm (69W153) 92W / 203cm (92W203)		
		RGB (RGB) 60LED/m***		14.4W / 53cm (14W053) 23.2W / 83cm (23W083) 29W / 103cm (29W103) 34.8W / 123cm (35W123) 43.4W / 153cm (43W153) 58W / 203cm (58W203)		
		RGB (RGB) 30LED/m***		7.2W / 53cm (7W053) 11.4W / 83cm (11W083) 14.4W / 103cm (14W103) 17.2W / 123cm (17W123) 21.6W / 153cm (22W153) 28.8W / 203cm (29W203)		12VDC (12)

* Short term immersion protection.

** Available in other colours and power 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

SEAMLESS



IP67

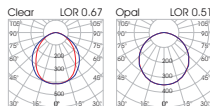
Model**	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length***	Type	Voltage
OUTLINER 30 SEAMLESS IP67 FIXED (OUTLINER30-67SF)	Anodized (AN) Marine Type (MT)	2000K (20) 2500K (25) 2700K (27) 3000K (30) 4000K (40) 5700K (57)	> 80 (80)	21W / 50,3cm (21W050) 35W / 83,7cm (35W084) 42W / 100,3cm (42W100) 49W / 117cm (49W117) 63W / 150,3cm (63W150) 84W / 200,3cm (84W200)	Clear (CL) Opal (OP)	24VDC (24)
OUTLINER 30 SEAMLESS IP67 FIXED ELEVATED (OUTLINER30-67SFE)						
OUTLINER 30 SEAMLESS IP67 SURFACE (OUTLINER30-67SS)						
OUTLINER 30 SEAMLESS IP67 SHORT BRACKET 6.5cm (OUTLINER30-67SB1)						
OUTLINER 30 SEAMLESS IP67 LONG BRACKET 11.5cm (OUTLINER30-67SL2)						
OUTLINER 30 SEAMLESS IP67 PENDANT (OUTLINER30-67SP-1) H:150cm (OUTLINER30-67SP-2) H:300cm						
RGBWW / RGBCW / RGB						
		Colour		Watt*** / Length***		
		RGBWW (RGBWW) RGBCW (RGBCW) 84LED/m		27W / 50,3cm (27W050) 46,2W / 86cm (46W086) 54W / 100,3cm (54W100) 65,6W / 121,7cm (66W122) 81W / 150,3cm (81W150) 108W / 200,3cm (108W200)		
		RGBWW (RGBWW) RGBCW (RGBCW) 60LED/m****		19,4W / 50,3cm (19W050) 31,2W / 80,3cm (31W080) 39W / 100,3cm (39W100) 46,8W / 120,3cm (47W120) 58,4W / 150,3cm (58W150) 78W / 200,3cm (78W200)		
		RGB (RGB96) 96LED/m		23W / 50,3cm (23W050) 40,2W / 87,8cm (40W088) 46W / 100,3cm (46W100) 54,6W / 119cm (55W119) 69W / 150,3cm (69W150) 92W / 200,3cm (92W200)		
		RGB (RGB80) 60LED/m****		14,4W / 50,3cm (14W050) 23,2W / 80,3cm (23W080) 29W / 100,3cm (29W100) 34,8W / 120,3cm (35W120) 43,4W / 150,3cm (43W150) 58W / 200,3cm (58W200)		
		RGB (RGB30) 30LED/m****		7,2W / 50,3cm (07W050) 11,4W / 80,3cm (11W080) 14,4W / 100,3cm (14W100) 17,2W / 120,3cm (17W120) 21,6W / 150,3cm (22W150) 28,8W / 200,3cm (29W200)		12VDC (12)

* IP67: Short term immersion protection.

** Available in other colours and power upon request.

*** Length without end caps for seamless installation (Add 2mm for each end cap).

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



Ordering Code Example: OUTLINER30-67SS-AN-RGB60-35W/120-OP-24



Akasha Beach Hotel & Spa, Crete, Greece
schema4architects

AWARD:
BIGSEE Interior Design AWARD 2022 Winner

ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antiochias St, N.Philadelphia, 14341 Athens, Greece, info@electron.gr, www.electron.gr



ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antichias St, N.Philadephia, 14341 Athens, Greece, info@electron.gr, www.electron.gr

OUTLINER 20 IP67



Outliner IP67 series is a complete series of custom made linear luminaires with clear or opal lighting surface. 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 50cm 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, wall brackets or pendant).
- Long & Short bracket accessories available for wall installation.
- L90/B10 >50.000h (for monochromatic models).
- Ingress Protection: IP67
- Supplied with input cable & IP68 connector as standard.
- Possibility for In-out cables & IP68 connectors upon request as extra.

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



RESIN material:

1st-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 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:

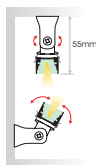
Weather, UV, Water and mould growth



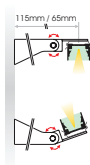
STANDARD



FIXED



SURFACE



WALL BRACKET
(Long/Short)



PENDANT

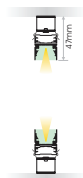


ELA.008
ANTI-SLIPPER
for vertical installation
(as extra)

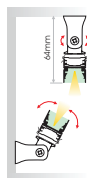
SEAMLESS



FIXED



FIXED ELEVATED



SURFACE



WALL BRACKET
(Long/Short)



PENDANT



ELA.008
ANTI-SLIPPER
for vertical installation
(as extra)



PRH.027
COUPLER accessory
(as extra)

Connectors



Input cable with IP68 connectors
supplied as standard.



In-Out cables & IP68 connectors
supplied as extra.



Supply connectors for a luminaire array
(as extra)

CNC.009 2 pole connector (monochrome)

CNC.013 4 pole connector (RGB)

CNC.053 5 pole connector (RGBW)

STANDARD

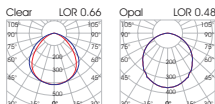
IP67

Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length	Type	Voltage
OUTLINER 20 IP67 FIXED (OUTLINER20-67F)	Anodized (AN)	2000K (20)	> 80 (80)	10.5W / 53cm (11W053)	Clear (CL) Opal (OP)	24VDC (24)
	Marine Type (MT)	2500K (25)		17.5W / 86.3cm (18W086)		
		2700K (27)		21W / 103cm (21W103)		
		3000K (30)		24.5W / 119.7cm (25W120)		
		4000K (40)		31.5W / 153cm (32W153)		
OUTLINER 20 IP67 SURFACE (OUTLINER20-67S)		5700K (57)		42W / 203cm (42W203)		
OUTLINER 20 IP67 SHORT BRACKET 6.5cm (OUTLINER20-67B1)						
OUTLINER 20 IP67 LONG BRACKET 11.5cm (OUTLINER20-67B2)						
<i>RGBWW / RGBCW / RGB</i>						
OUTLINER 20 IP67 PENDANT (OUTLINER20-67P1) H:150cm (OUTLINER20-67P2) H:300cm	Colour		Watt / Length			
	RGBWW (RGBWW)		13.5W / 53cm (14W053)			
	RGBCW (RGBCW)		23.1W / 88.7cm (23W089)			
	84LED/m		27W / 103cm (27W103)			
			32.8W / 124.4cm (33W124)			
	RGBWW (RGBWW)		9.7W / 53cm (10W053)			
	RGBCW (RGBCW)		15.6W / 83cm (16W083)			
	60LED/m***		19.5W / 103cm (20W103)			
			23.4W / 123cm (23W123)			
			29.2W / 153cm (29W153)			
	RGB (RGB90)		11.5W / 53cm (12W053)			
	96LED/m		20.1W / 90.5cm (20W091)			
			23W / 103cm (23W103)			
			27.3W / 121.7cm (27W122)			
			34.5W / 153cm (35W153)			
	RGB (RGB60)		7.2W / 53cm (07W053)			
	60LED/m***		11.6W / 83cm (12W083)			
			14.5W / 103cm (15W103)			
			17.4W / 123cm (17W123)			
			21.7W / 153cm (22W153)			
	RGB (RGB30)		3.6W / 53cm (04W053)			
	30LED/m***		5.7W / 83cm (06W083)			
			7.2W / 103cm (07W103)			
			8.6W / 123cm (09W123)			
			10.8W / 153cm (11W153)			
			14.4W / 203cm (14W203)			12VDC (12)

* Short term immersion protection.

** Available in other colours or/and power 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

SEAMLESS

LIGHTSOURCE BY
NICHIA
for Monochromatic

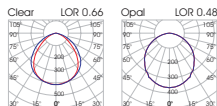
IP67

Model*	Luminaire Colour**	Colour Temperature	CRI	Watt** / Length***	Type	Voltage
OUTLINER 20 SEAMLESS IP67 FIXED (OUTLINER20-67SF)	Anodized (AN) Marine Type (MT)	2000K (20) 2500K (25) 2700K (27) 3000K (30) 4000K (40) 5700K (57)	≥ 80 (80)	10.5W / 50,3cm (11W050) 17.5W / 83,7cm (18W084) 21W / 100,3cm (21W100) 24.5W / 117cm (25W117) 31.5W / 150,3cm (32W150) 42W / 200,3cm (42W200)	Clear (CL) Opal (OP)	24VDC (24)
OUTLINER 20 SEAMLESS IP67 FIXED ELEVATED (OUTLINER20-67SFE)						
OUTLINER 20 SEAMLESS IP67 SURFACE (OUTLINER20-67SS)						
OUTLINER 20 SEAMLESS IP67 SHORT BRACKET 6.5cm (OUTLINER20-67SB1)						
OUTLINER 20 SEAMLESS IP67 LONG BRACKET 11.5cm (OUTLINER20-67SL2)						
OUTLINER 20 SEAMLESS IP67 PENDANT (OUTLINER20-67SP-1) H:150cm (OUTLINER20-67SP-2) H:300cm						
<i>RGBWW / RGBCW / RGB</i>						
		Colour		Watt*** / Length***		
		RGBWW (RGBWW) RGBCW (RGBCW) 84LED/m		13.5W / 50,3cm (14W050) 23.1W / 86cm (23W086) 27W / 100,3cm (27W100) 32.8W / 121,7cm (33W122) 40.5W / 150,3cm (41W150) 54W / 200,3cm (54W200)		
		RGBWW (RGBWW) RGBCW (RGBCW) 60LED/m****		9.7W / 50,3cm (10W050) 15.6W / 80,3cm (16W080) 19.5W / 100,3cm (20W100) 23.4W / 120,3cm (23W120) 29.2W / 150,3cm (29W150) 39W / 200,3cm (39W200)		
		RGB (RGB96) 96LED/m		11.5W / 50,3cm (12W050) 20.1W / 87,8cm (20W088) 23W / 100,3cm (23W100) 27.3W / 119cm (27W119) 34.5W / 150,3cm (35W150) 46W / 200,3cm (46W200)		
		RGB (RGB80) 60LED/m****		7.2W / 50,3cm (07W050) 11.6W / 80,3cm (12W080) 14.5W / 100,3cm (15W100) 17.4W / 120,3cm (17W120) 21.7W / 150,3cm (22W150) 29W / 200,3cm (29W200)		
		RGB (RGB30) 30LED/m****		3.6W / 50,3cm (04W050) 5.7W / 80,3cm (06W080) 7.2W / 100,3cm (07W100) 8.6W / 120,3cm (09W120) 10.8W / 150,3cm (11W150) 14.4W / 200,3cm (14W200)		12VDC (12)

* IP67: Short term immersion protection.

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

*** Length without end caps for seamless installation (Add 2mm for each end cap).
****The LED density of these ribbons is low thus, the homogeneity of lighting surface of Milky type luminaire will be affected.



Ordering Code Example: OUTLINER20-67SS-AN-RGB60-17W120-OP-24



ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antiochias Str, N.Philadelphia, 14341 Athens, Greece, info@electron.gr, www.electron.gr



River West Gateway, Athens, Greece
Lighting Design: Matina Magkara
Photo: Gavril Papadimitriou

ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 66 Antiochias St, N. Philadelpchia, 14341 Athens, Greece, info@electron.gr, www.electron.gr

OUTLINER 20 Recessed IP66



Outliner Recessed IP66 series is a custom made linear luminaire series with clear or opal lighting surface. It is available in 2 different widths of 20 and 40mm (luminous area widths). It is offered in standard and in custom lengths varying from 50cm 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.

RC IP66 / RC Seamless IP66:

- L90/B10 > 50000 h, 3 Step MacAdam.
- Ingress Protection: IP66

RC IP66:

- Supplied with input cable & IP68 connector as standard.
- Possibility for in-out cables & IP68 connectors upon request as extra.

RC Seamless IP66:

- Supplied with input-output cables & IP68 connectors as standard.

L90/B10 50.000h

Lighting management options:

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

Available upon request:

- ✓ Custom dimensions
- ✓ Custom luminaire colours



Seamless IP67

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 G68 Master, Qualicoat

Class2, EN12206 (formerly BS6496), EN13438 (formerly BS6497:1984) and AAMA 2604.

Exterior Durability:

Meets qualicoat class 2 requirements after 3 years Florida

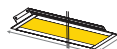
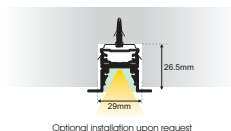
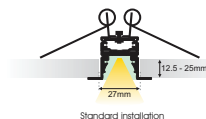
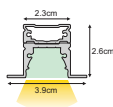
Meets AAMA 2604-13 requirements after 5 years Florida

High Resistance to:

Weather, UV, Water and mould growth



STANDARD



Dimensions:

for Monochromatic, Tunable White:
39 x 54,6/87,9/104,6/121,3/154,6/204,6cm
Cutting hole:
27 x 52,6/85,9/102,6/119,3/152,6/202,6cm

for RGBWW-RGBCW 84LED/m:
39 x 54,6/90,3/104,6/126/154,6/204,6cm
Cutting hole:
27 x 52,6/88,3/102,6/124/153,6/202,6cm

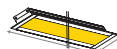
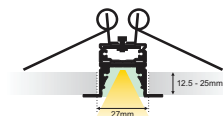
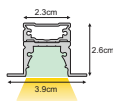
for RGBWW-RGBCW 60LED/m, RG8 60LED/m, RG8 30LED/m:
39 x 54,6/84,6/104,6/124,6/154,6/204,6cm
Cutting hole:
27 x 52,6/82,6/102,6/122,6/152,6/202,6cm

for RG8 96LED/m:
39 x 54,6/92,1/104,6/123,3/154,6/204,6cm
Cutting hole:
27 x 52,6/90,1/102,6/121,3/152,6/202,6cm



Note:
Cutting hole must be 10mm shorter than the luminaire length.

SEAMLESS



Dimensions:

for Monochromatic, Tunable White:
39 x 52,3/85,7/102,3/119/152,3/202,3cm
Cutting hole:
27 x 50,3/83,7/100,3/117/150,3/200,3cm

for RGBWW-RGBCW 84LED/m:
39 x 52,3/88/102,3/123,7/152,3/202,3cm
Cutting hole:
27 x 50,3/86/100,3/121,7/150,3/200,3cm

for RGBWW-RGBCW 60LED/m, RG8 60LED/m, RG8 30LED/m:
39 x 52,3/82,3/102,3/122,3/152,3/202,3cm
Cutting hole:
27 x 50,3/80,3/100,3/120,3/150,3/200,3cm

for RG8 96LED/m:
39 x 52,3/89,8/102,3/121,7/152,3/202,3cm
Cutting hole:
27 x 50,3/87,8/100,3/119/150,3/200,3cm



Note:
Cutting hole must be 10mm shorter than the luminaire length.

Connectors



Input cable with IP68 connectors
supplied as standard.



In-Out cables & IP68 connectors
supplied as extra.



Supply connectors for a luminaire array
(as extra)
CNC.009 2 pole connector (monochrome)
CNC.013 4 pole connector (RG8)
CNC.053 5 pole connector (RGBW)

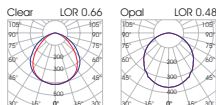
STANDARD

LIGHTSOURCE BY
NICHIA
for Monochromatic

IP66

Model	Luminaire Colour*	Colour Temperature	CRI	Watt / Length	Type	Voltage	
OUTLINER 20 IP66 Recessed (OUTLINER 20 66RC)	Anodized (AN) Marine Type (MT)	2000K (20)	> 80 (80)	10.5W / 54.6cm (11W055)	Clear (CL) Opal (OP)	24VDC (24)	
		2500K (25)		17.5W / 87.9cm (18W088)			
		2700K (27)		21W / 104.6cm (21W105)			
		3000K (30)		24.5W / 121.3cm (25W121)			
		4000K (40)		31.5W / 154.6cm (32W155)			
		5700K (57)		42W / 204.6cm (42W205)			
	TUNABLE WHITE						
	Colour Temperature		CRI	Watt / Length			
	Tunable White 2700K~5700K (TW)		> 80 (80)	10W / 54.6cm (10W055)			
				16.7W / 87.9cm (17W088)			
				20W / 104.6cm (20W105)			
				23.4W / 121.3cm (23W121)			
				30W / 154.6cm (30W155)			
				40W / 204.6cm (40W205)			
	RGBWW / RGBCW / RGB						
	Colour		Watt / Length				
	RGBWW (RGBWW)		13.5W / 54.6cm (14W055)				
	RGBCW (RGBCW)		23.1W / 90.3cm (23W090)				
	84LED/m		27W / 104.6cm (27W105)				
			32.8W / 126cm (33W126)				
			40.5W / 154.6cm (41W155)				
			54W / 204.6cm (54W205)				
	RGBWW (RGBWW)		9.7W / 54.6cm (10W055)				
	RGBCW (RGBCW)		15.6W / 84.6cm (16W085)				
	60LED/m**		19.5W / 104.6cm (20W105)				
			23.4W / 124.6cm (23W125)				
		29.2W / 154.6cm (29W155)					
		39W / 204.6cm (39W205)					
RGB (RGB96)		11.5W / 54.6cm (12W055)					
96LED/m		20.1W / 92.1cm (20W092)					
		23W / 104.6cm (23W105)					
		27.3W / 123.3cm (27W123)					
		34.5W / 154.6cm (35W155)					
		46W / 204.6cm (46W205)					
RGB (RGB80)		7.2W / 54.6cm (07W055)					
60LED/m**		11.6W / 84.6cm (12W085)					
		14.5W / 104.6cm (15W105)					
		17.4W / 124.6cm (17W125)					
		21.7W / 154.6cm (22W155)					
		29W / 204.6cm (29W205)					
RGB (RGB30)		3.6W / 54.6cm (04W055)					
30LED/m**		5.7W / 84.6cm (06W085)					
		7.2W / 104.6cm (07W105)					
		8.6W / 124.6cm (09W125)					
		10.8W / 154.6cm (11W155)					
		14.4W / 204.6cm (14W205)		12VDC (12)			

* 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: OUTLINER 20 66RC-AN-RGB80-17W125-OP-24

SEAMLESS

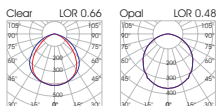
LIGHTSOURCE BY
NICHIA
for Monochromatic

IP66

Model	Luminaire Colour*	Colour Temperature	CRI	Watt / Length***	Type	Voltage
OUTLINER 20 IP66 Recessed SEAMLESS (OUTLINER 20 66RCS)	Anodized (AN) Marine Type (MT)	2000K (20)	> 80 (80)	10.5W / 50.3cm (11W050)	Clear (CU) Opal (OP)	24VDC (24)
		2500K (25)		17.5W / 83.7cm (18W084)		
		2700K (27)		21W / 100.3cm (21W100)		
		3000K (30)		24.5W / 117cm (25W117)		
		4000K (40)		31.5W / 150.3cm (32W150)		
		5700K (57)		42W / 200.3cm (42W200)		
		TUNABLE WHITE				
		Colour Temperature	CRI	Watt / Length***		
		Tunable White 2700K--5700K (TW)	> 80 (80)	10W / 50.3cm (10W050)		
				16.7W / 83.7cm (17W084)		
				20W / 100.3cm (20W100)		
				23.4W / 117cm (23W117)		
				30W / 150.3cm (30W150)		
				40W / 200.3cm (40W200)		
		RGBWW / RGBCW / RGB				
		Colour		Watt / Length***		
		RGBWW (RGBWW)	(RGBCW)	13.5W / 50.3cm (14W050)		
		RGBCW (RGBCW)		23.1W / 86cm (23W086)		
		84LED/m		27W / 100.3cm (27W100)		
				32.8W / 121.7cm (33W122)		
				40.5W / 150.3cm (41W150)		
				54W / 200.3cm (54W200)		
		RGBWW (RGBWW)	(RGBCW)	9.7W / 50.3cm (10W050)		
		RGBCW (RGBCW)		15.6W / 80.3cm (16W080)		
		60LED/m**		19.5W / 100.3cm (20W100)		
				23.4W / 120.3cm (23W120)		
				29.2W / 150.3cm (29W150)		
				39W / 200.3cm (39W200)		
		RGB (RGB96)	(RGB60)	11.5W / 50.3cm (12W050)		
		96LED/m		20.1W / 87.8cm (20W088)		
				23W / 100.3cm (23W100)		
				27.3W / 119cm (27W119)		
				34.5W / 150.3cm (35W150)		
				46W / 200.3cm (46W200)		
		RGB (RGB60)	(RGB30)	7.2W / 50.3cm (07W050)		
		60LED/m**		11.6W / 80.3cm (12W080)		
				14.5W / 100.3cm (15W100)		
				17.4W / 120.3cm (17W120)		
				21.7W / 150.3cm (22W150)		
				29W / 200.3cm (29W200)		
		RGB (RGB30)	(RGB30)	3.6W / 50.3cm (04W050)		12VDC (12)
		30LED/m**		5.7W / 80.3cm (06W080)		
				7.2W / 100.3cm (07W100)		
				8.6W / 120.3cm (09W120)		
				10.8W / 150.3cm (11W150)		
				14.4W / 200.3cm (14W200)		

** The LED density of these ribbons is low thus, the homogeneity of lighting surface of Milky type luminaire will be affected.
*** Length without end caps for seamless installation (Add 15mm for each end cap).

* Available in other colours upon request.



Ordering Code Example: OUTLINER 20 66RCS-AN-RGB60-17W120-OP-24



ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 68 Antiochias Str, N.Philadelphia, 14341 Athens, Greece, info@electron.gr, www.electron.gr



Mayia Exclusive Resort & Spa, Rhodes, Greece

ELECTRON SA, PROFESSIONAL LIGHTING SYSTEMS - 66 Antiochias St, N.Philadelpchia, 14341 Athens, Greece, info@electron.gr, www.electron.gr

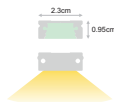
ELECSIA IP67



- 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 & IP68 connector as standard.
- Possibility for in-out cables & IP68 connectors upon request as extra.
- L90/B10 > 50.000h (for monochromatic models).
- Ingress Protection: IP67

Lighting management options:

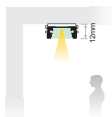
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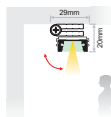
L90/B10 > 50.000h
for monochromatic models

Available upon request:

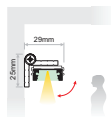
- ✓ Custom dimensions
- ✓ Custom luminaire colours



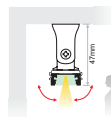
FIXED Installation



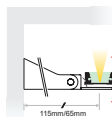
SURFACE A Installation



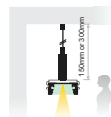
SURFACE B Installation



SURFACE C Installation



WALL BRACKET
(Long/Short) Installation



PENDANT Installation



ELA.008
Antislipper for
vertical installation
(as extra)



Input cable
with IP68 connectors
(as standard)



Input & Output cables
with IP68 connector
(as extra)

RESIN material:

Ti- 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, Xenon test, 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 qualification 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
ELECSIA IP67 FIXED (ELECSIA 67F)	Anodized (A/N) Marine Type (M/T)	2000K (20) 2500K (25) 2700K (27) 3000K (30) 4000K (40) 5700K (57)	≥ 80 (80)	10.5W / 53cm (11W053) 17.5W / 86.3cm (18W086) 21W / 103cm (21W103) 24.5W / 119.7cm (25W120) 31.5W / 153cm (32W153) 42W / 203cm (42W203)	Clear (CL) Opal (OP)	24VDC (24)
ELECSIA IP67 SURFACE A (ELECSIA 67SA)						
ELECSIA IP67 SURFACE B (ELECSIA 67SB)						
ELECSIA IP67 SURFACE C (ELECSIA 67SC)						
ELECSIA IP67 SHORT BRACKET 6.5cm (ELECSIA 67B1)						
ELECSIA IP67 LONG BRACKET 11.5cm (ELECSIA 67B2)						
ELECSIA IP67 PENDANT (ELECSIA 67P1) H:150cm (ELECSIA 67P2) H:300cm						
RGBWW / RGBCW / RGB						
		Colour		Watt / Length		
		RGBWW (RGBWW)		13.5W / 53cm (14W053)		
		RGBCW (RGBCW)		23.1W / 88.7cm (23W089)		
		84LED/m		27W / 103cm (27W103)		
				32.8W / 124.4cm (33W124)		
				40.5W / 153cm (41W153)		
				54W / 203cm (54W203)		
		RGBWW (RGBWW)		9.7W / 53cm (10W053)		
		RGBCW (RGBCW)		15.6W / 83cm (16W083)		
		60LED/m***		19.5W / 103cm (20W103)		
				23.4W / 123cm (23W123)		
				29.2W / 153cm (29W153)		
				39W / 203cm (39W203)		
		RGB (RGB96)		11.5W / 53cm (12W053)		
		96LED/m		20.1W / 90.5cm (20W091)		
				23W / 103cm (23W103)		
				27.3W / 121.7cm (27W122)		
				34.5W / 153cm (35W153)		
				46W / 203cm (46W203)		
		RGB (RGB60)		7.2W / 53cm (07W053)		
		60LED/m***		11.6W / 83cm (12W083)		
				14.5W / 103cm (15W103)		
				17.4W / 123cm (17W123)		
				21.7W / 153cm (22W153)		
				29W / 203cm (29W203)		
		RGB (RGB30)		3.6W / 53cm (04W053)		
		30LED/m***		5.7W / 83cm (06W083)		
				7.2W / 103cm (07W103)		
				8.6W / 123cm (09W123)		
				10.8W / 153cm (11W153)		
				14.4W / 203cm (14W203)		
						12VDC (12)

* Short term immersion protection.
** Available in other colours or/and power upon request.

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

MIDI U IP67

Exterior Linear

- MIDI U IP67 is a custom made linear luminaire available in standard or custom lengths.
- Supplied with single waterproof cable & IP68 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	CCT	Type	Watt / Length	Voltage
MIDI U IP67 (MIDI U 67)	Anodized (AN)	2000K (20)	Clear (CL)	7W / 35cm (07W035)	24VDC (24)
	Marine Type (MT)	2500K (25)	Opal (OP)	12.2W / 60cm (12W060)	
		2700K (27)		17.5W / 85cm (17W085)	
		3000K (30)		21W / 102cm (21W102)	
		4000K (40)		24.5W / 119cm (24W119)	
		5700K (57)		31.5W / 152cm (31W152)	
				42W / 202cm (42W202)	

* IP67: Short term immersion protection

Ordering Code Example: MIDI U 67-AN-40-OP-31W152-24



Input cable with IP68 connectors (as standard)

RESIN material:

Ti- 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, QUVA 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



- LUMITUBE is a custom made linear luminaire available in standard or custom lengths.
- Cable gland and end cap components: Nickel plated brass for IP67 and INOX-316 for IP68.
- Tube: PMMA
- L90/B10 50.000h
- Ingress Protection: available in IP67 and IP68.

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

L90/B10 50.000h

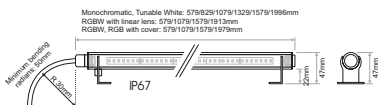


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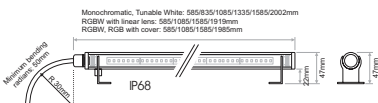
✓ Custom dimensions



Inox Holders (Left-Right)
(as standard)



Input cable with IP68 connectors
(as standard)



Input cable with IP68 connectors
(as standard)





LUMITUBE IP67

LIGHTSOURCE BY
NICHIA
for Monochromatic

IP67

Model	Colour Temperature	CRI	Beam Angle	Watt / Length	Voltage
LUMITUBE IP67* (LUMITUBE IP67)	2000K (20)	80+ (80)	16° Linear lens (16L)	10.5W / 57.9cm (11W058)	24VDC (24)
	2500K (25)		35° Linear lens (35L)	15.8W / 82.9cm (16W083)	
	2700K (27)		55° Linear lens (55L)	21W / 107.9cm (21W108)	
	3000K (30)		100° Frosted Cover (100F)	26.3W / 132.9cm (26W133)	
	4000K (40)		100° Clear Cover (100C)	31.5W / 157.9cm (32W158)	
	5700K (57)		110° Milky Cover (110M)	40.3W / 199.6cm (40W200)	
	TUNABLE WHITE Tunable White 2700K-5700K (TW)	80+ (80)	16° Linear lens (16L)	10W / 57.9cm (10W058)	
			35° Linear lens (35L)	15W / 82.9cm (15W083)	
			55° Linear lens (55L)	20W / 107.9cm (20W108)	
			100° Frosted Cover (100F)	25W / 132.9cm (25W133)	
			100° Clear Cover (100C)	30W / 157.9cm (30W158)	
			110° Milky Cover (110M)	38.3W / 199.6cm (38W200)	
	RGBW RGBW with linear lens (RGBW)		16° Linear lens (16L)	7.5W / 57.9cm (08W058)	
			35° Linear lens (35L)	15W / 107.9cm (15W108)	
			55° Linear lens (55L)	22.5W / 157.9cm (23W158)	
				27.5W / 191.3cm (28W191)	
	RGBW RGBW with cover (RGBW)		100° Frosted Cover (100F)	9.8W / 57.9cm (10W058)	
			100° Clear Cover (100C)	19.5W / 107.9cm (20W108)	
			110° Milky Cover (110M)	29.5W / 157.9cm (30W158)	
				37.1W / 197.9cm (37W198)	
	RGB RGB with cover (RGB)		100° Frosted Cover (100F)	7.3W / 57.9cm (07W058)	
			100° Clear Cover (100C)	14.5W / 107.9cm (15W108)	
			110° Milky Cover (110M)	21.8W / 157.9cm (22W158)	
				27.6W / 197.9cm (28W198)	

* IP67: Short term immersion protection

Ordering Code Example:
LUMITUBE IP67-TW-80-100C-15W083-24

LUMITUBE IP68

 LIGHTSOURCE BY
NICHIA
 for Monochromatic

IP68

Model	Colour Temperature	CRI	Beam Angle	Watt / Length	Voltage
LUMITUBE IP68 (LUMITUBE IP68)	2000K (20)	80+ (80)	16° Linear lens (16L)	10.5W / 58.5cm (11W059)	24VDC (24)
	2500K (25)		35° Linear lens (35L)	15.8W / 83.5cm (16W084)	
	2700K (27)		55° Linear lens (55L)	21W / 108.5cm (21W109)	
	3000K (30)		100° Frosted Cover (100F)	26.3W / 133.5cm (26W134)	
	4000K (40)		100° Clear Cover (100C)	31.5W / 158.5cm (32W156)	
	5700K (57)		110° Milky Cover (110M)	40.3W / 200.2cm (40W200)	
	TUNABLE WHITE Tunable White 2700K-5700K (TW)	80+ (80)	16° Linear lens (16L)	10W / 58.5cm (10W059)	
			35° Linear lens (35L)	15W / 83.5cm (15W084)	
			55° Linear lens (55L)	20W / 108.5cm (20W109)	
			100° Frosted Cover (100F)	25W / 133.5cm (25W134)	
			100° Clear Cover (100C)	30W / 158.5cm (30W156)	
			110° Milky Cover (110M)	38.3W / 200.2cm (38W200)	
	RGBW RGBW with linear lens (RGBW)		16° Linear lens (16L)	7.5W / 58.5cm (08W059)	
			35° Linear lens (35L)	15W / 108.5cm (15W109)	
			55° Linear lens (55L)	22.5W / 158.5cm (23W159)	
				27.5W / 191.9cm (28W192)	
	RGBW RGBW with cover (RGBW)		100° Frosted Cover (100F)	9.8W / 58.5cm (10W059)	
			100° Clear Cover (100C)	19.5W / 108.5cm (20W109)	
			110° Milky Cover (110M)	29.5W / 158.5cm (30W159)	
				37.1W / 198.5cm (37W199)	
	RGB RGB with cover (RGB)		100° Frosted Cover (100F)	7.3W / 58.5cm (07W059)	
			100° Clear Cover (100C)	14.5W / 108.5cm (15W109)	
			110° Milky Cover (110M)	21.8W / 158.5cm (22W159)	
				27.6W / 198.5cm (28W199)	

 Ordering Code Example:
 LUMITUBE IP68-TW-80-100C-15W084-24

CORNER II IP67

- CORNER II 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, 3 Step MacAdam
- Ingress Protection: IP67

Lighting management options:

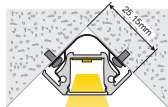
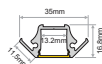
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L90/B10 50.000h

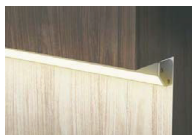
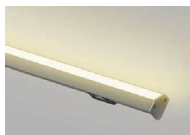
Available upon request:

✓ Custom dimensions

Exterior Linear



One outdoor cable and IP68 connector (as standard)



RESIN material:

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

Full 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 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



Model	Luminaire Colour*	Colour Temperature	CRI	Watt* / Length	Type	Voltage	
CORNER II IP67 (CORNER II 67)	Anodized (AN) Marine Type (MT)	2000K (20)	80+ (80)	10.5W / 53cm (11W053)	Clear (CL) Opal (OP)	24VDC (24)	
		2500K (25)		15.8W / 78cm (16W078)			
		2700K (27)		21W / 103cm (21W103)			
		3000K (30)		24.5W / 119.7cm (25W120)			
		4000K (40)		31.5W / 153cm (32W153)			
		5700K (57)		42W / 203cm (42W203)			
		TUNABLE WHITE					
		Colour Temperature	CRI	Watt* / Length			
		Tunable White 2700K~5700K (TW)	80+ (80)	10W / 53cm (10W053)			
		15W / 78cm (15W078)					
20W / 103cm (20W103)							
		25W / 128cm (25W128)					
		30W / 153cm (30W153)					
		40W / 203cm (40W203)					
RGBWW / RGBCW / RGB							
Colour		Watt* / Length					
RGBWW (RGBWW)		13.5W / 53cm (14W053)					
RGBCW (RGBCW)		23.1W / 88.7cm (23W089)					
84LED/m		27W / 103cm (27W103)					
		32.8W / 124.4cm (33W124)					
		40.5W / 153cm (41W153)					
		54W / 203cm (54W203)					
RGBWW (RGBWW)		9.7W / 53cm (10W053)					
RGBCW (RGBCW)		15.6W / 83cm (16W083)					
60LED/m**		19.5W / 103cm (20W103)					
		23.4W / 123cm (23W123)					
		29.2W / 153cm (29W153)					
		39W / 203cm (39W203)					
RGB (RGB60)		11.5W / 53cm (12W053)					
96LED/m		20.1W / 90.5cm (20W091)					
		23W / 103cm (23W103)					
		27.3W / 121.7cm (27W122)					
		34.5W / 153cm (35W153)					
		46W / 203cm (46W203)					
RGB (RGB60)		7.2W / 53cm (07W053)					
60LED/m**		11.6W / 83cm (12W083)					
		14.5W / 103cm (15W103)					
		17.4W / 123cm (17W123)					
		21.7W / 153cm (22W153)					
		29W / 203cm (29W203)					
RGB (RGB30)		3.6W / 53cm (04W053)					
30LED/m**		5.7W / 83cm (06W083)					
		7.2W / 103cm (07W103)					
		8.6W / 123cm (09W123)					
		10.8W / 153cm (11W153)					
		14.4W / 203cm (14W203)					
					12VDC (12)		

* Available in other colours or/and power 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: CORNER II 67-AN-RGB60-17W123-OP-24

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 & IP68 connector as standard.
- Possibility for in-out cables & IP68 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



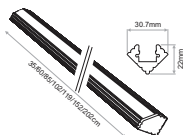
LIGHTSOURCE BY
NICHIA

IP67

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

* IP67: Short term immersion protection

Ordering Code Example: CORNER 45 67-AN-30-OP-31W152-24



One outdoor cable and
IP68 connector (as standard)

RESIN material:

Ti- 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 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

