



Infinitas® Micro Direct Indirect

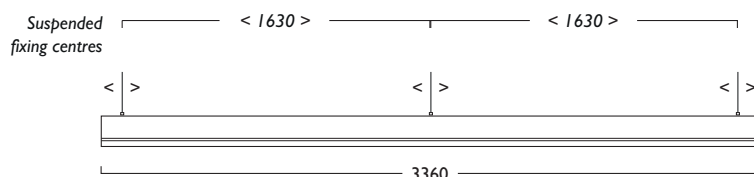
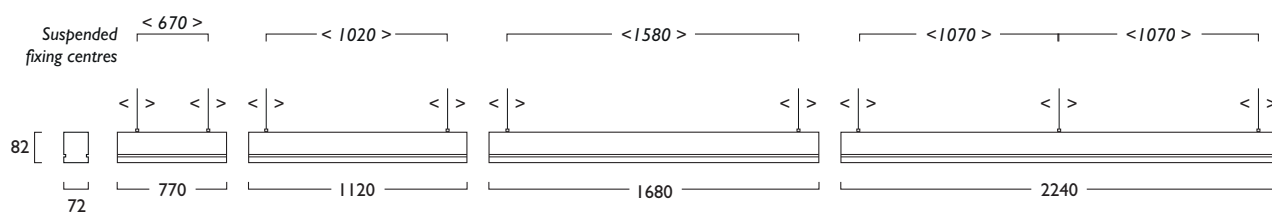
Infinitas® Micro by Hacer is a refined LED system. Designed and manufactured in the UK, Infinitas® Micro is sophisticated and minimal in its design. Precision extruded luminaires are available in Surface, Suspended or Recessed in both Bezel and Bezel free formats.

As part of the Infinitas® range, creating continuous lines of uninterrupted uniform lighting, the flexibility of Infinitas® Micro is further enhanced by Direct and Direct/Indirect lighting variations and complete illuminated 90° corners are available, offering diversity in architectural lighting design.

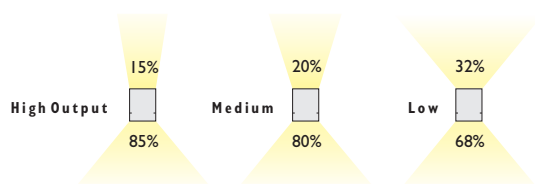
Stylish solo modules are also available to compliment the continuous system.

- Zhaga Book 7 LED
- Available in High, Medium or Low Output Modules
- Offering a choice of lumen outputs, delivering up to 13971 lumens
- Efficacies up to 117 lm/W
- High and Medium outputs have an Opal polycarbonate refractor designed for maximum performance, TP(b) rated
- Low Output Modules have a MicroPrism refractor suitable for office and educational lighting, UGR <19
- Features efficient uplighting functionality
- Life expectancy in excess of 51,000 hours (L80 B10)
- Available in suspended format only, supplied with 2m Wire Suspensions as standard (variable positioning)

Suspended Modules Fixing Centres (mm)



230V 50Hz	IP 20	770mm 2.8 kg	1120mm 4.5 kg	1680mm 6.3 kg	2240mm 8.4 kg	3360mm 12.1 kg
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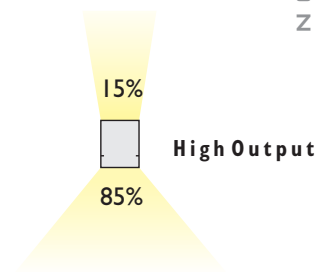


3 Warm White LED (3000K)	CRI 80	19W	27W	41W	55W	82W
Lumen Output		3017 lm	4441 lm	6630 lm	8883 lm	13324 lm
LOR		0.72	0.72	0.72	0.72	0.72
CRI		80	80	80	80	80
Total Power		20.5W	30.3W	45.1W	60.6W	90.7W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.10A	0.14A	0.21A	0.27A	0.42A
Inrush Current		28.3A (168us)	28.3A (168us)	30.3A (280us)	51.6A (168us)	55.0A (280us)
Efficacy		105 lm/W	105 lm/W	105 lm/W	105 lm/W	105 lm/W
Emergency Output (BLF)		N/A	446 (12%)*	446 (8%)*	446 (6%)*	446 (4%)*

4 Neutral White LED (4000K)	CRI 80	19W	27W	41W	55W	82W
Lumen Output		3163 lm	4657 lm	6951 lm	9314 lm	13971 lm
LOR		0.72	0.72	0.72	0.72	0.72
CRI		80	80	80	80	80
Total Power		20.5W	30.3W	45.1W	60.6W	90.7W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.10A	0.14A	0.21A	0.27A	0.42A
Inrush Current		28.3A (168us)	28.3A (168us)	30.3A (280us)	51.6A (168us)	55.0A (280us)
Efficacy		111 lm/W	110 lm/W	110 lm/W	110 lm/W	110 lm/W
Emergency Output (BLF)		N/A	467 (12%)*	467 (8%)*	467 (6%)*	467 (4%)*

* % of Direct illumination

High Output



Infinitas® Micro Direct Indirect

High Output

LED	19W	27W	41W	55W	82W
LED	770mm	1120mm	1680mm	2240mm	3360mm
LED	1118	1122	1126	1130	1134
LED	19	27	41	55	82
+	520	521	522	523	524

Link Modules do not have a cable entry hole and require a Power Supply Module/s. Solo Modules include a 1.3mm cable entry hole.

770mm Not available in Emergency Gear Types

To ensure illumination uniformity High, Medium or Low Output Modules should **not** be mixed. Modules should **always** be matched within their output group.

- IV Link Suspended (Direct/Indirect)
- IK Solo Suspended (Direct/Indirect)

- A Integral Driver
- E Emergency
- J Switch Dim
- K Switch Dim + Emergency
- S DALI Dim
- T DALI Dim + Emergency
- C DALI Dim + DALI Emergency

- 3 Warm (3000K) 4 Neutral (4000K)

- I White (RAL 9010) 2 Urban Graphite (RAL 7046) 3 Black (RAL 9005)

- 303 2x 5m Suspensions (wires only) (560mm/1120mm/1680mm Modules)
- 344 3x 5m Suspensions (wires only) (2240mm/3360mm Modules)

Infinitas® Micro Direct Indirect - Power Supply

High Output

LED	19W	27W	41W	55W	82W
LED	770mm	1120mm	1680mm	2240mm	3360mm
LED	IV 1119	IV 1123	IV 1127	IV 1131	IV 1135
LED	19	27	41	55	82
+	520	521	522	523	524

Power Supply Modules include a 1.3mm cable entry hole and are only required for Link Systems.

Power Supplies are only available as Link Modules

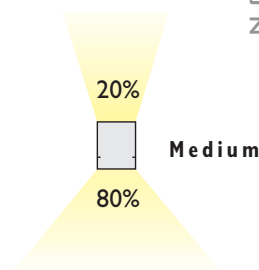


3 Warm White LED (3000K)	CRI 80	14W	20W	30W	41W	61W
Lumen Output		2320 lm	3428 lm	5110 lm	6857 lm	10285 lm
LOR		0.72	0.72	0.72	0.72	0.72
CRI		80	80	80	80	80
Total Power		14.9W	22.2W	32.8W	44.2W	66.1W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.07A	0.10A	0.15A	0.20A	0.29A
Inrush Current		37.0A (240us)	37.0A (240us)	35.0A (253us)	69.0A (240us)	65.0A (253us)
Efficacy		112 lm/W	111 lm/W	112 lm/W	110 lm/W	112 lm/W
Emergency Output (BLF)		N/A	487 (18%)*	487 (12%)*	487 (9%)*	487 (6%)*

4 Neutral White LED (4000K)	CRI 80	14W	20W	30W	41W	61W
Lumen Output		2434 lm	3596 lm	5360 lm	7192 lm	10788 lm
LOR		0.72	0.72	0.72	0.72	0.72
CRI		80	80	80	80	80
Total Power		14.9W	22.2W	32.8W	44.2W	66.1W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.07A	0.10A	0.15A	0.20A	0.29A
Inrush Current		37.0A (240us)	37.0A (240us)	35.0A (253us)	69.0A (240us)	65.0A (253us)
Efficacy		117 lm/W	116 lm/W	117 lm/W	117 lm/W	117 lm/W
Emergency Output (BLF)		N/A	510 (18%)*	510 (12%)*	510 (9%)*	510 (6%)*

* % of Direct illumination

Medium Output



Infinitas® Micro Direct Indirect

Medium Output

LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon				
14W LED	770mm	1118	LED	14	+	525																			
20W LED	1120mm	1122	LED	20	+	526																			
30W LED	1680mm	1126	LED	30	+	527																			
41W LED	2240mm	1130	LED	41	+	528																			
61W LED	3360mm	1134	LED	61	+	529																			

Link Modules do not have a cable entry hole and require a Power Supply Module/s. Solo Modules include a 1.3mm cable entry hole.

770mm Not available in Emergency Gear Types

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Infinitas® Micro Direct Indirect - Power Supply

Medium Output

LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon	LED	Icon				
14W LED	770mm	IV 1119	LED	14	+	525																			
20W LED	1120mm	IV 1123	LED	20	+	526																			
30W LED	1680mm	IV 1127	LED	30	+	527																			
41W LED	2240mm	IV 1131	LED	41	+	528																			
61W LED	3360mm	IV 1135	LED	61	+	529																			

Power Supply Modules include a 1.3mm cable entry hole and are only required for Link Systems.

Power Supplies are only available as Link Modules

- IV Link Suspended (Direct/Indirect)
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- A Integral Driver
- E Emergency
- J Switch Dim
- K Switch Dim + Emergency
- S DALI Dim
- T DALI Dim + Emergency
- C DALI Dim + DALI Emergency

- 3 Warm (3000K) 4 Neutral (4000K)

- I White (RAL 9010) 2 Urban Graphite (RAL 7046) 3 Black (RAL 9005)

- 303 2x 5m Suspensions (wires only) (560mm/1120mm/1680mm Modules)

- 344 3x 5m Suspensions (wires only) (2240mm/3360mm Modules)

Tel: (0191) 280 9911 Email: technical@hacel.co.uk Web: www.hacel.co.uk

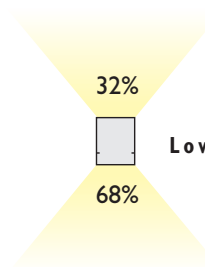


3 Warm White LED (3000K)	CRI 80	9W	14W	20W	27W	41W
Lumen Output		1535 lm	2286 lm	3397 lm	4573 lm	6859 lm
LOR		0.64	0.64	0.64	0.64	0.64
CRI		80	80	80	80	80
Total Power		10.0W	15.0W	22.1W	29.9W	44.6W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.05A	0.07A	0.10A	0.13A	0.20A
Inrush Current		34.0A (180us)	37.0A (240us)	35.0A (253us)	69.0A (240us)	65.0A (253us)
Efficacy		98 lm/W	97 lm/W	98 lm/W	97 lm/W	98 lm/W
Emergency Output (BLF)		N/A	501 (32%)*	493 (21%)*	501 (16%)*	469 (10%)*

4 Neutral White LED (4000K)	CRI 80	9W	14W	20W	27W	41W
Lumen Output		1611 lm	2400 lm	3566 lm	4800 lm	7200 lm
LOR		0.64	0.64	0.64	0.64	0.64
CRI		80	80	80	80	80
Total Power		10.0W	15.0W	22.1W	29.9W	44.6W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.05A	0.07A	0.10A	0.13A	0.20A
Inrush Current		34.0A (180us)	37.0A (240us)	35.0A (253us)	69.0A (240us)	65.0A (253us)
Efficacy		103 lm/W	102 lm/W	103 lm/W	102 lm/W	103 lm/W
Emergency Output (BLF)		N/A	525 (32%)*	516 (21%)*	525 (16%)*	492 (10%)*

* % of Direct illumination

Low Output



Infinitas® Micro Direct Indirect

Low Output

LED	9W	14W	20W	27W	41W
LED	770mm	1120mm	1680mm	2240mm	3360mm
LED	1118	1122	1126	1130	1134
LED	09	14	20	27	41
+	530	531	532	533	534

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Infinitas® Micro Direct Indirect - Power Supply

Low Output

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LED	IV 1119	IV 1123	IV 1127	IV 1131	IV 1135
LED	09	14	20	27	41
+	530	531	532	533	534

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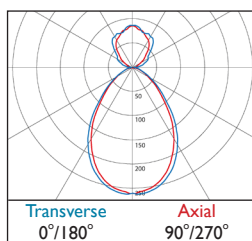
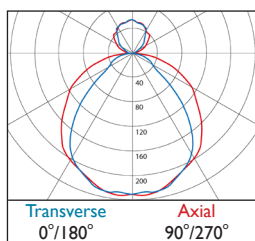
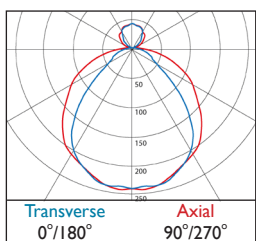
Tel: (0191) 280 9911 Email: technical@hacel.co.uk Web: www.hacel.co.uk





Infinitas[®] Micro Direct Indirect

Photometrics



520-524 ULOR: 0.11 DLOR: 0.61 | 525-529 ULOR: 0.15 DLOR: 0.57 | 530-534 ULOR: 0.25 DLOR: 0.43

Infinitas[®] Micro Direct Indirect - End Caps

2x End Caps **Suspended**   
 IN1110 CAP000



Surface/Suspended