



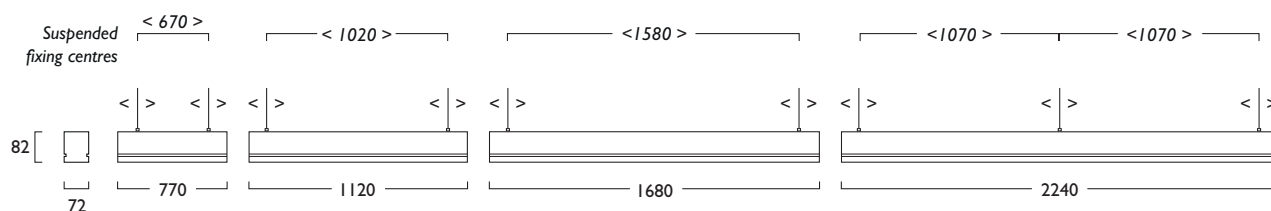
Infinitas® Micro Direct Indirect

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.

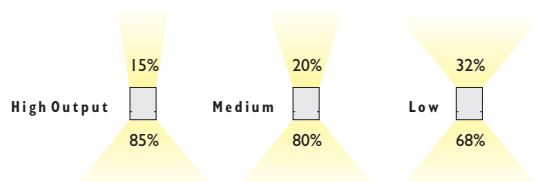
Stylish solo modules are also available to compliment the continuous system.

- Zhaga Book 7 LED
- Available in High, Medium or Low Output Modules
- Offering a choice of lumen outputs, delivering up to 14571 lumens
- Efficacies up to 123 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 72,000 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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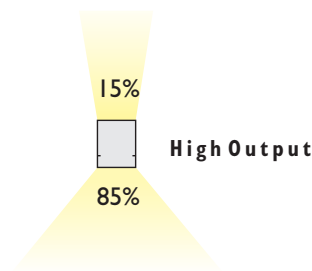


3 Warm White LED (3000K)	CRI 80	19W	27W	41W	55W	82W
Lumen Output		3155 lm	4636 lm	6922 lm	9273 lm	13909 lm
LOR		0.72	0.72	0.72	0.72	0.72
CRI		80	80	80	80	80
Total Power		20.3W	30.1W	44.2W	60.1W	88.9W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.10A	0.14A	0.20A	0.27A	0.41A
Inrush Current (Std)		20.0A (250us)	20.0A (250us)	30.0A (280us)	35.0A (250us)	55.0A (280us)
Inrush Current (Dim)		72.0A (180us)	72.0A (180us)	72.0A (180us)	101.0A (180us)	101.0A (180us)
Efficacy		111 lm/W	110 lm/W	112 lm/W	111 lm/W	112 lm/W
Emergency Output (BLF)		N/A	469 (12%)*	469 (8%)*	469 (6%)*	469 (4%)*

4 Neutral White LED (4000K)	CRI 80	19W	27W	41W	55W	82W
Lumen Output		3305 lm	4857 lm	7251 lm	9714 lm	14571 lm
LOR		0.72	0.72	0.72	0.72	0.72
CRI		80	80	80	80	80
Total Power		20.3W	30.1W	44.2W	60.1W	88.9W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.10A	0.14A	0.20A	0.27A	0.41A
Inrush Current (Std)		20.0A (250us)	20.0A (250us)	30.0A (280us)	35.0A (250us)	55.0A (280us)
Inrush Current (Dim)		72.0A (180us)	72.0A (180us)	72.0A (180us)	101.0A (180us)	101.0A (180us)
Efficacy		117 lm/W	116 lm/W	118 lm/W	116 lm/W	118 lm/W
Emergency Output (BLF)		N/A	491 (12%)*	491 (8%)*	491 (6%)*	491 (4%)*

* % of Direct illumination

High Output



Infinitas® Micro Direct Indirect

High Output

LED

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

Link Modules do not have a cable entry hole and require a Power Supply Module/s. Solo Modules include a 13mm 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)

1 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

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LED

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

Power Supply Modules include a 13mm cable entry hole and are only required for Link Systems.

Power Supplies are only available as Link Modules

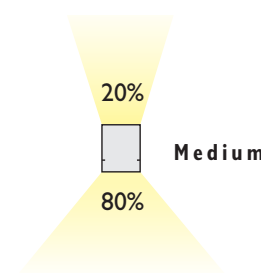


3 Warm White LED (3000K)	CRI 80	14W	20W	30W	41W	61W
Lumen Output		2390 lm	3526 lm	5257 lm	7053 lm	10579 lm
LOR		0.72	0.72	0.72	0.72	0.72
CRI		80	80	80	80	80
Total Power		14.6W	21.9W	32.5W	43.6W	65.5W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.07A	0.10A	0.15A	0.19A	0.29A
Inrush Current (Std)		37.0A (240us)	37.0A (240us)	35.0A (253us)	69.0A (240us)	69.0A (240us)
Inrush Current (Dim)		72.0A (180us)	72.0A (180us)	72.0A (180us)	101.0A (180us)	101.0A (180us)
Efficacy		117 lm/W	115 lm/W	116 lm/W	116 lm/W	116 lm/W
Emergency Output (BLF)		N/A	505 (18%)*	505 (12%)*	505 (9%)*	505 (6%)*

4 Neutral White LED (4000K)	CRI 80	14W	20W	30W	41W	61W
Lumen Output		2505 lm	3695 lm	5508 lm	7310 lm	11085 lm
LOR		0.72	0.72	0.72	0.72	0.72
CRI		80	80	80	80	80
Total Power		14.6W	21.9W	32.5W	43.6W	65.5W
Power Factor		0.95	0.95	0.95	0.95	0.95
Running Current		0.07A	0.10A	0.15A	0.19A	0.29A
Inrush Current (Std)		37.0A (240us)	37.0A (240us)	35.0A (253us)	69.0A (240us)	69.0A (240us)
Inrush Current (Dim)		72.0A (180us)	72.0A (180us)	72.0A (180us)	101.0A (180us)	101.0A (180us)
Efficacy		123 lm/W	121 lm/W	122 lm/W	122 lm/W	121 lm/W
Emergency Output (BLF)		N/A	528 (18%)*	528 (12%)*	528 (9%)*	528 (6%)*

* % of Direct illumination

Medium Output



Infinitas® Micro Direct Indirect

Medium Output

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

Link Modules do not have a cable entry hole and require a Power Supply Module/s. Solo Modules include a 13mm 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.

Infinitas® Micro Direct Indirect - Power Supply

Medium Output

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

Power Supply Modules include a 13mm cable entry hole and are only required for Link Systems.

Power Supplies are only available as Link Modules

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)

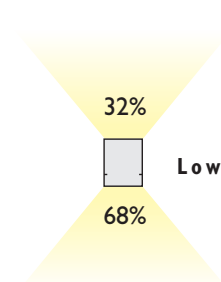
Tel: (0191) 280 9911 Email: technical@hacel.co.uk Web: www.hacel.co.uk



3	Warm White LED (3000K)	CRI 80	9W	14W	20W	27W	41W
	Lumen Output		1570 lm	2334 lm	3469 lm	4679 lm	7003 lm
	LOR		0.64	0.64	0.64	0.64	0.64
	CRI		80	80	80	80	80
	Total Power		9.8W	14.8W	21.9W	29.5W	44.3W
	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 (Std)		34.0A (180us)	37.0A (240us)	37.0A (240us)	69.0A (240us)	69.0A (240us)
	Inrush Current (Dim)		72.0A (180us)	72.0A (180us)	72.0A (180us)	101.0A (180us)	101.0A (180us)
	Efficacy		102 lm/W	100 lm/W	101 lm/W	101 lm/W	101 lm/W
	Emergency Output (BLF)		N/A	532 (33%)*	532 (22%)*	518 (16%)*	532 (11%)*
4	Neutral White LED (4000K)	CRI 80	9W	14W	20W	27W	41W
	Lumen Output		1647 lm	2449 lm	3639 lm	4898 lm	7347 lm
	LOR		0.64	0.64	0.64	0.64	0.64
	CRI		80	80	80	80	80
	Total Power		9.8W	14.8W	21.9W	29.5W	44.3W
	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 (Std)		34.0A (180us)	37.0A (240us)	37.0A (240us)	69.0A (240us)	69.0A (240us)
	Inrush Current (Dim)		72.0A (180us)	72.0A (180us)	72.0A (180us)	101.0A (180us)	101.0A (180us)
	Efficacy		107 lm/W	105 lm/W	106 lm/W	106 lm/W	106 lm/W
	Emergency Output (BLF)		N/A	557 (33%)*	557 (22%)*	540 (16%)*	557 (11%)*

* % 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
LED	530	531	532	533	534

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770mm Not available in Emergency Gear Types

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Infinitas® Micro Direct Indirect - Power Supply

Low Output

LED	9W	14W	20W	27W	41W
LED	770mm	1120mm	1680mm	2240mm	3360mm
LED	IV 1119	IV 1123	IV 1127	IV 1131	IV 1135
LED	09	14	20	27	41
LED	530	531	532	533	534

Power Supply Modules include a 13mm cable entry hole and are only required for Link Systems.

Power Supplies are only available as Link Modules

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)

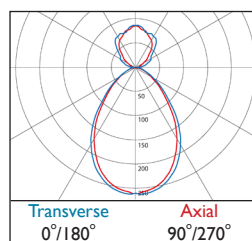
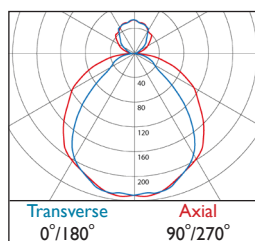
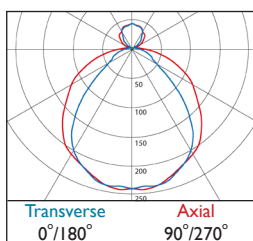
344 3x 5m Suspensions (wires only) (2240mm/3360mm Modules)

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



Infinitas® Micro Direct Indirect

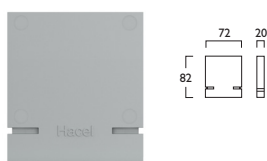
Photometrics



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**   
INI110  **X** **CAP000** 



Surface/Suspended