



3	Warm White LED (3000K)	CRI 80	12W	17W	22W	28W	CRI 90	12W	17W	22W	28W
			2041 lm	2885 lm	4099 lm	5206 lm		1650 lm	2330 lm	3297 lm	4206 lm
	Lumen Output	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
	LOR	80	80	80	80	80	90	90	90	90	90
	CRI	11.9W	17.1W	24.4W	31.2W	31.2W	11.9W	17.1W	24.4W	31.2W	31.2W
	Total Power	0.92	0.92	0.96	0.97	0.97	0.92	0.92	0.96	0.97	0.97
	Power Factor	0.07A	0.08A	0.11A	0.14A	0.14A	0.07A	0.08A	0.11A	0.14A	0.14A
	Running Current	8A (28us)	8A (28us)	24A (200us)	30A (200us)	30A (200us)	8A (28us)	8A (28us)	24A (200us)	30A (200us)	30A (200us)
	Inrush Current (Std)	10A (50us)	10A (50us)	3.31A (43us)	5.33A (42us)	5.33A (42us)	10A (50us)	10A (50us)	3.31A (43us)	5.33A (42us)	5.33A (42us)
	Inrush Current (Dim)	138 lm/W	136 lm/W	136 lm/W	135 lm/W	135 lm/W	112 lm/W	110 lm/W	109 lm/W	109 lm/W	109 lm/W
	Efficacy	361 (17%)	369 (12%)	359 (8%)	373 (7%)	373 (7%)	306 (17%)	313 (12%)	304 (8%)	315 (7%)	315 (7%)
	Emergency Output (BLF)										

4	Neutral White LED (4000K)	CRI 80	12W	17W	22W	28W	CRI 90	12W	17W	22W	28W
			2143 lm	3023 lm	4294 lm	5445 lm		1796 lm	2533 lm	3620 lm	4592 lm
	Lumen Output	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
	LOR	80	80	80	80	80	90	90	90	90	90
	CRI	11.9W	17.1W	24.4W	31.2W	31.2W	11.9W	17.1W	24.4W	31.2W	31.2W
	Total Power	0.92	0.92	0.96	0.97	0.97	0.92	0.92	0.96	0.97	0.97
	Power Factor	0.07A	0.08A	0.11A	0.14A	0.14A	0.07A	0.08A	0.11A	0.14A	0.14A
	Running Current	8A (28us)	8A (28us)	24A (200us)	30A (200us)	30A (200us)	8A (28us)	8A (28us)	24A (200us)	30A (200us)	30A (200us)
	Inrush Current (Std)	10A (50us)	10A (50us)	3.31A (43us)	5.33A (42us)	5.33A (42us)	10A (50us)	10A (50us)	3.31A (43us)	5.33A (42us)	5.33A (42us)
	Inrush Current (Dim)	145 lm/W	143 lm/W	142 lm/W	141 lm/W	141 lm/W	122 lm/W	119 lm/W	120 lm/W	119 lm/W	119 lm/W
	Efficacy	376 (17%)	385 (12%)	375 (8%)	388 (7%)	388 (7%)	321 (17%)	328 (12%)	319 (9%)	332 (7%)	332 (7%)
	Emergency Output (BLF)										

Aleda®



LED CRI 80

12W	LED	ID398	LED	12	+	377
17W	LED	ID398	LED	17	+	377
22W	LED	ID398	LED	22	+	377
28W	LED	ID398	LED	28	+	377

LED CRI 90

12W	LED	ID399	LED	12	+	378
17W	LED	ID399	LED	17	+	378
22W	LED	ID399	LED	22	+	378
28W	LED	ID399	LED	28	+	378

- A Integral Driver/Remote
- E Emergency
- J Switch Dim
- K Switch Dim + Emergency
- S DALI Dim
- T DALI Dim + Emergency
- C DALI Dim + DALI Emergency
- L DALI Bluetooth
- M DALI Bluetooth + Emergency

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

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

Reflector	CRI 80	CRI 90
384 Narrow Beam	379	380
385 Wide Beam	381	382

Luminescent Halo, Baffle Options - Examples Shown on page 2

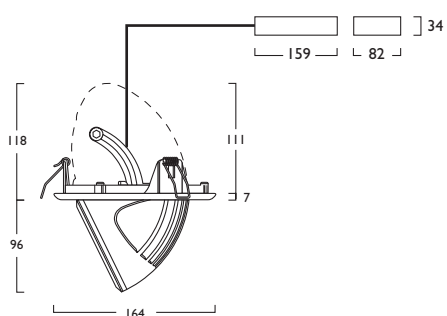
- Quality engineering, smooth and precise pan and tilt adjustment
- Available in a choice of lumen outputs, delivering up to 5445 lumens
- Efficacies up to 145 lm/W
- Single point Zhaga Book 3 LED
- Medium beam reflector as standard
- Life expectancy in excess of 57,000 hours (L90 B10)
- Colour stability within 3 MacAdams
- To comply with current standards, Emergency versions are locked in the flush position
- Wireless Lighting Control available, see Connected video for full overview
- Digital Dim and Digital Dim + Emergency options available on request

Tel: (0191) 280 9911 Email: technical@hacer.co.uk Web: www.hacer.co.uk V6 - 06/2024

* All values provided in this document are subject to International standards and electronic components from leading suppliers which are subject to +/- 10% tolerance and apply at an ambient temperature of 25°C. Hacer Lighting look to constantly improve it's product and reserve the right to change specifications without prior notification.

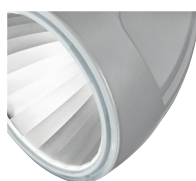


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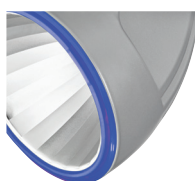


Options

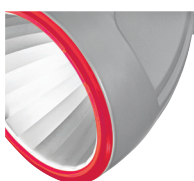
■ Luminescent Halo Options



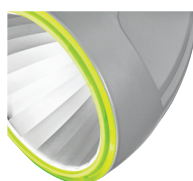
473 Etched Ice



474 Neptune Blue

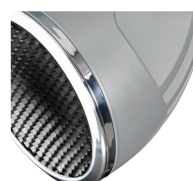


475 Mars Red



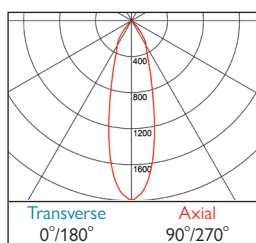
477 Acid Green

■ Baffle Option

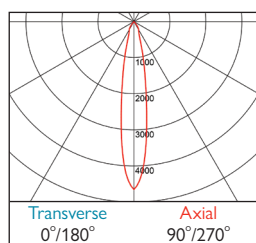


478 Anti Glare Baffle

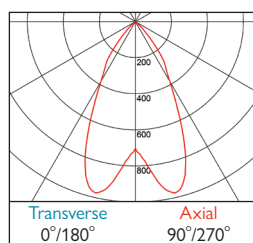
Photometrics



377-378 DLOR: 0.81



379-380 DLOR: 0.83



381-382 DLOR: 0.86

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