



Encore® 60

LED CRI 80

Surface

5W	LED	IS1690	LED	05	+	787
8W	LED	IS1690	LED	08	+	787
13W	LED	IS1690	LED	13	+	787

Three Circuit Track

5W	LED	TT1690	LED	05	+	787
8W	LED	TT1690	LED	08	+	787
13W	LED	TT1690	LED	13	+	787

DALI Track

5W	LED	TD1690	LED	05	+	787
8W	LED	TD1690	LED	08	+	787
13W	LED	TD1690	LED	13	+	787

LED CRI 90

Surface

5W	LED	IS1691	LED	05	+	788
8W	LED	IS1691	LED	08	+	788
13W	LED	IS1691	LED	13	+	788

Three Circuit Track

5W	LED	TT1691	LED	05	+	788
8W	LED	TT1691	LED	08	+	788
13W	LED	TT1691	LED	13	+	788

DALI Track

5W	LED	TD1691	LED	05	+	788
8W	LED	TD1691	LED	08	+	788
13W	LED	TD1691	LED	13	+	788

TT versions not suitable for use with Gear Types J & S
TD versions not suitable for use with Gear Types A & L

Add the required lens to code from list shown below

- Ideally suited to Museums, Art Galleries and Retail applications
- Available in a choice of lumen outputs up to 1934 lumens
- Efficacies up to 147 lm/W
- Life expectancy in excess of 60,000 hours (L90 B10)
- Colour stability within 3 MacAdams
- DALI Track versions are eminently suited to diverse, adaptable lighting scenarios.

The Track requires the relevant dimming wiring

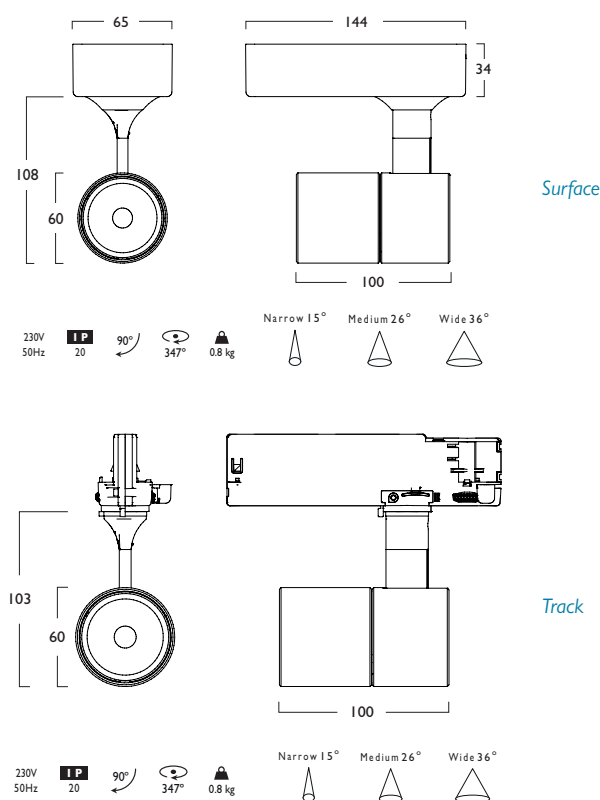
- Wireless Lighting Control available
- Lens options available for narrow, medium or wide beam angles

- A Integral Driver/Remote
- J Switch Dim
- S DALI Dim
- L DALI Bluetooth (TT & TD versions only available in 13W)

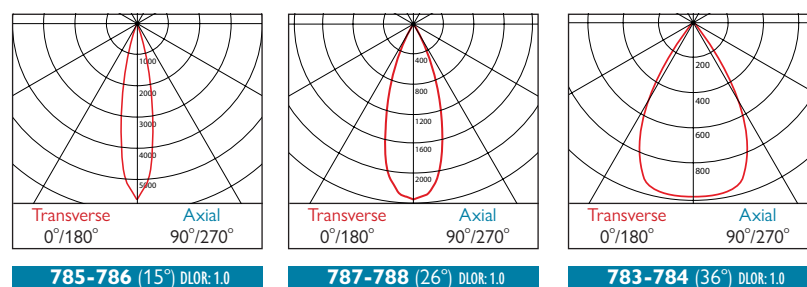
3 Warm (3000K) 4 Neutral (4000K)

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

Lens Options	CRI80	CRI90
685 Medium (26°)	787	788
686 Wide (36°)	783	784
687 Narrow (15°)	785	786



Photometrics



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* 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. Hacel Lighting look to constantly improve it's product and reserve the right to change specifications without prior notification.



Encore® 60

3	Warm White LED (3000K)	CRI 80	5W	8W	13W	CRI 90	5W	8W	13W
	Delivered Lumens		722 lm	1180 lm	1828 lm		572 lm	930 lm	1438 lm
	LOR		1.0	1.0	1.0		1.0	1.0	1.0
	CRI		80	80	80		90	90	90
	Total Power		5.6W	9.1W	15.0W		5.6W	9.1W	15.0W
	Power Factor		0.80	0.95	0.95		0.80	0.95	0.95
	Running Current		0.03A	0.04A	0.07A		0.03A	0.04A	0.07A
	Inrush Current (Std)		20A (40us)	5A (50us)	5A (50us)		20A (40us)	5A (50us)	5A (50us)
	Inrush Current (Dim)		10A (2.8us)	10A (2.8us)	10A (2.8us)		10A (2.8us)	10A (2.8us)	10A (2.8us)
	Efficacy		128 lm/W	129 lm/W	121 lm/W		102 lm/W	102 lm/W	95 lm/W
Emergency Output (BLF)		N/A	N/A	N/A		N/A	N/A	N/A	
4	Neutral White LED (4000K)	CRI 80	5W	8W	13W	CRI 90	5W	8W	13W
	Delivered Lumens		768 lm	1251 lm	1934 lm		634 lm	1033 lm	1600 lm
	LOR		1.0	1.0	1.0		1.0	1.0	1.0
	CRI		80	80	80		90	90	90
	Total Power		5.6W	9.1W	15.0W		5.6W	9.1W	15.0W
	Power Factor		0.80	0.95	0.95		0.80	0.95	0.95
	Running Current		0.03A	0.04A	0.07A		0.03A	0.04A	0.07A
	Inrush Current (Std)		20A (40us)	5A (50us)	5A (50us)		20A (40us)	5A (50us)	5A (50us)
	Inrush Current (Dim)		10A (2.8us)	10A (2.8us)	10A (2.8us)		10A (2.8us)	10A (2.8us)	10A (2.8us)
	Efficacy		137 lm/W	137 lm/W	128 lm/W		113 lm/W	113 lm/W	106 lm/W
Emergency Output (BLF)		N/A	N/A	N/A		N/A	N/A	N/A	

Note: Figures above refer to standard A gear unless stated

Note: Figures above refer to standard A gear unless stated