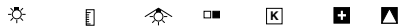




3 Warm White LED (3000K)	CRI 80	17W	24W	29W	22W	30W	36W
	Lumen Output		3264 lm	4338 lm	5063 lm	4080 lm	5422 lm
LOR		0.82	0.82	0.82	0.82	0.82	0.82
CRI		80	80	80	80	80	80
Total Power		19.2W	26.7W	31.9W	23.7W	33.3W	39.8W
Power Factor		0.81	0.96	0.97	0.89	0.95	0.95
Running Current		0.07A	0.11A	0.14A	0.09A	0.14A	0.17A
Inrush Current (Std)		5.33A (38us)	15A (250us)	15.0A (250us)	28A (150us)	25.0A (280us)	25.0A (280us)
Inrush Current (Dim)		22.4A (176us)	22.4A (176us)	22.4A (176us)	22.4A (176us)	22.4A (176us)	22.4A (176us)
Efficacy		139 lm/W	133 lm/W	130 lm/W	141 lm/W	133 lm/W	130 lm/W
Emergency Output (BLF)		455 lm (14%)	455 lm (10%)	455 lm (9%)	327 lm (8%)	327 lm (6%)	327 lm (5%)

4 Neutral White LED (4000K)	CRI 80	17W	24W	29W	22W	30W	36W
	Lumen Output		3494 lm	4643 lm	5420 lm	4352 lm	5783 lm
LOR		0.82	0.82	0.82	0.82	0.82	0.82
CRI		80	80	80	80	80	80
Total Power		19.2W	26.7W	31.9W	23.7W	33.3W	39.8W
Power Factor		0.81	0.96	0.97	0.89	0.95	0.95
Running Current		0.07A	0.11A	0.14A	0.09A	0.14A	0.17A
Inrush Current (Std)		5.33A (38us)	15A (250us)	15.0A (250us)	28A (150us)	25.0A (280us)	25.0A (280us)
Inrush Current (Dim)		22.4A (176us)	22.4A (176us)	22.4A (176us)	22.4A (176us)	22.4A (176us)	22.4A (176us)
Efficacy		149 lm/W	142 lm/W	139 lm/W	150 lm/W	142 lm/W	139 lm/W
Emergency Output (BLF)		478 lm (14%)	478 lm (10%)	478 lm (9%)	344 lm (8%)	344 lm (6%)	344 lm (5%)

Tutor® Surface



LED

Wattage	Type	Length	Model	LED	Beam	Temp	Output
17W	LED	1203mm	SM1666	—	LED	17	+ 760
24W	LED	1203mm	SM1666	—	LED	24	+ 760
29W	LED	1203mm	SM1666	—	LED	29	+ 760
22W	LED	1483mm	SM1668	—	LED	22	+ 761
30W	LED	1483mm	SM1668	—	LED	30	+ 761
36W	LED	1483mm	SM1668	—	LED	36	+ 761

LED & MW

Wattage	Type	Length	Model	LED	Beam	Temp	Output
17W	LED	1203mm	SM1670	—	LED	17	+ 760
24W	LED	1203mm	SM1670	—	LED	24	+ 760
29W	LED	1203mm	SM1670	—	LED	29	+ 760
22W	LED	1483mm	SM1672	—	LED	22	+ 761
30W	LED	1483mm	SM1672	—	LED	30	+ 761
36W	LED	1483mm	SM1672	—	LED	36	+ 761

MW versions not suitable for use with Gear Types J & K

- 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) 640 Tamper Proof End Caps

- Available in a choice of lumen output up to 6751 lumens
- Efficacies up to 150 lm/W
- Life expectancy 72,000 hours (L80 B10)
- UGR compliant across all wattages, rated at UGR 19 or less
- IP44 and IK08 rated with colour stability within 3 MacAdams
- Complementary Pendant version available
- Tool Free extruded Polycarbonate Diffuser and Gear Tray for quick and easy installation
- Wireless Lighting Control available
- Available with integral Bluetooth or Microwave sensors
- The Microwave sensors defaults can be modified via dip switches for non-dimmable versions and the use of the PIR Handset for dimmable versions. (Contact Technical for advice if required)
- Dip switch settings can be found on installation document - default setting is 5 Seconds
- Suitable for mounting with 20mm and 25mm conduit / besa boxes on 600mm centres or direct feed via knock outs
- Tamper proof end caps option available
- CRI90 options available SM1667 & SM1669
- Digital Dim and Digital Dim + Emergency options available

Control Devices

PIR Handset

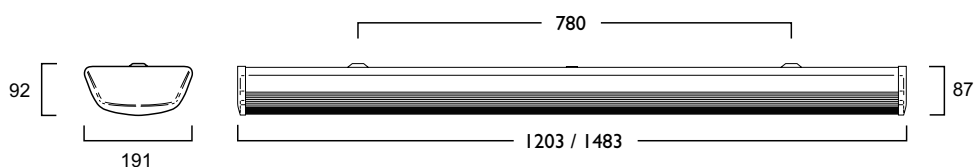


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* All values provided in this document are subject to International standards and electronic components from leading suppliers which are subject to +/- 10% tolerance and apply at an ambient temperature of 25°C. Hacel Lighting look to constantly improve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



Tutor® Surface



230V
 50Hz

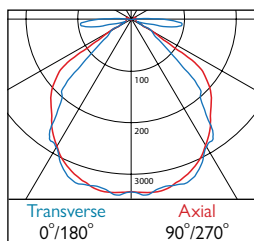
IP
 44

$\oplus \oplus$
 780mm

3.6 kg
 1203mm

4.2 kg
 1483mm

Photometrics



760-761 DLOR: 0.82