

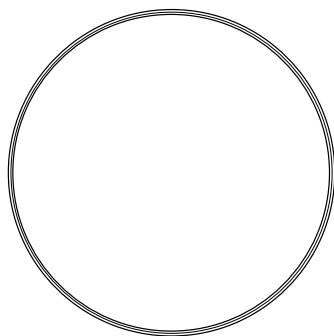


## Lumera<sup>®</sup> Surface

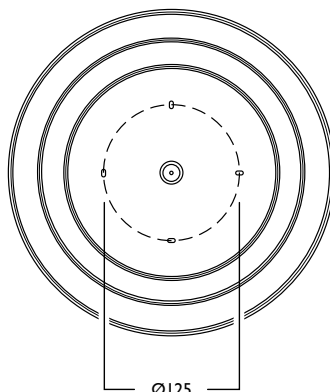
Lumera combines an elegantly minimalist design with exceptional photometric performance and an outstanding life expectancy of up to 134,000 hours, ensuring longevity and reliability.

The luminaires robust construction comprises a premium polycarbonate diffuser and precision-engineered aluminium housing, which can be powder coated in our standard or bespoke colour finishes, making Lumera eminently suitable to a wide range of Commercial and Architectural spaces.

- Lumens outputs up to 9308 lumens
- Efficacies up to 137 lm/W
- Life expectancy up to 134,000 hours (L80 B10) or 65,000 hours (L90 B10)
- Colour Stability within 3 MacAdams
- Microwave control is discretely concealed behind diffuser
- Available in three sizes
- The sensor defaults can be modified with the use of the Handset (contact Technical for advice if required)
- Supplied with tamperproof Diffuser Retaining Screw
- Complementary Pendant & Wall Light versions available
- Wireless Lighting Control available, see Connected video for full overview



545  
455  
370



Ø125  
545, 455 & 370



112  
545, 455 & 370

230V 50Hz	<b>IP</b> 40	<b>IK</b> 08	⊕ ⊕ 125mm	 5.9 kg	 4.5 kg	 3.4 kg
				545	455	370



3	Warm White LED (3000K)	CRI 80	30W	43W	57W
	Lumen Output		5186 lm	6996 lm	8842 lm
	LOR		0.8	0.8	0.8
	CRI		80	80	80
	Total Power		32.6W	46.9W	62.1W
	Power Factor		0.97	0.95	0.99
	Running Current		0.15A	0.22A	0.27A
	Inrush Current (Std)		24.0A (200us)	25.9A (252us)	63.0A (197us)
	Inrush Current (Dim)		28.0A (165us)	26.0A (264us)	50.0A (209us)
	Efficacy		127 lm/W	119 lm/W	113 lm/W
	Emergency Output (BLF)		433 (8%)	433 (6%)	433(5%)

4	Neutral White LED (4000K)	CRI 80	30W	43W	57W
	Lumen Output		5458 lm	7364 lm	9308 lm
	LOR		0.8	0.8	0.8
	CRI		80	80	80
	Total Power		32.6W	46.9W	62.1W
	Power Factor		0.97	0.95	0.99
	Running Current		0.15A	0.22A	0.27A
	Inrush Current (Std)		24A (200us)	25.9A (252us)	63.0A (197us)
	Inrush Current (Dim)		28A (165us)	26.0A (264us)	50.0A (209us)
	Efficacy		134 lm/W	125 lm/W	119 lm/W
	Emergency Output (BLF)		456 (8%)	456 (6%)	456 (5%)

● Life expectancy in excess of 130,000 hours (L80 B20) 63,000 hours (L90 B10)

Note: Figures above refer to standard A gear unless stated

## Lumera® 545

LED

30W	LED	SD1340	LED	30	+	766
43W	LED	SD1340	LED	43	+	766
57W	LED	SD1340	LED	57	+	766

LED & MW

30W	LED	SD1341	LED	30	+	766
43W	LED <td>SD1341 <td>LED <td>43</td> <td>+</td> <td>766</td> </td></td>	SD1341 <td>LED <td>43</td> <td>+</td> <td>766</td> </td>	LED <td>43</td> <td>+</td> <td>766</td>	43	+	766
57W	LED <td>SD1341 <td>LED <td>57</td> <td>+</td> <td>766</td> </td></td>	SD1341 <td>LED <td>57</td> <td>+</td> <td>766</td> </td>	LED <td>57</td> <td>+</td> <td>766</td>	57	+	766

Control Device

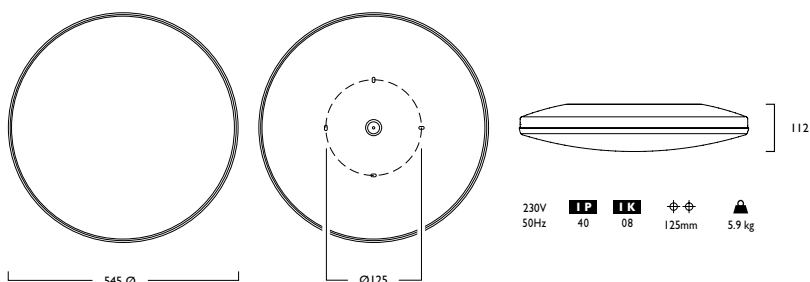
Handset (Not suitable for BT versions)	CD1603	X	PIR000
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Note: Handset must be within 1m of fitting to work

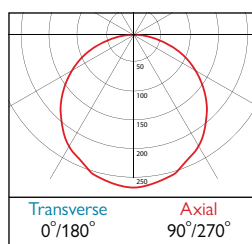
- A Integral Driver/Remote
- E Emergency
- J Switch Dim (SD1340 only)
- K Switch Dim + Emergency (SD1340 only)
- S DALI Dim
- T DALI Dim + Emergency
- C DALI Dim + DALI Emergency
- L DALI Bluetooth
- M DALI Bluetooth + Emergency

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

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



### Photometrics



766 DLOR: 0.80

Tel: (0191) 280 9911 Email: [technical@hacel.co.uk](mailto:technical@hacel.co.uk) Web: [www.hacel.co.uk](http://www.hacel.co.uk) V4 - 03/2026

\* 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.



3	Warm White LED (3000K)	CRI 80	17W	29W	43W
	Lumen Output		3106	5154	7343
	LOR		0.8	0.8	0.8
	CRI		80	80	80
	Total Power		19W	31.7W	46.7W
	Power Factor		0.96	0.97	0.96
	Running Current		0.09A	0.14A	0.21A
	Inrush Current (Std)		18A (210us)	24A (200us)	25.9A (252us)
	Inrush Current (Dim)		25A (140us)	28A (165us)	26A (264us)
	Efficacy		130 lm/w	130 lm/w	125 lm/w
	Emergency Output (BLF)		322 (10%)	322 (6%)	322 (4%)

4	Neutral White LED (4000K)	CRI 80	17W	29W	43W
	Lumen Output		3269	5425	7729
	LOR		0.8	0.8	0.8
	CRI		80	80	80
	Total Power		19W	31.7W	46.7W
	Power Factor		0.96	0.97	0.96
	Running Current		0.09A	0.14A	0.21A
	Inrush Current (Std)		18A (210us)	24A (200us)	25.9A (252us)
	Inrush Current (Dim)		25A (140us)	28A (165us)	26A (264us)
	Efficacy		137 lm/w	137 lm/w	132 lm/w
	Emergency Output (BLF)		339 (10%)	339 (6%)	339 (4%)

● Life expectancy in excess of 113,000 hours (L80 B10) 54,000 hours (L90 B10)

Note: Figures above refer to standard A gear unless stated

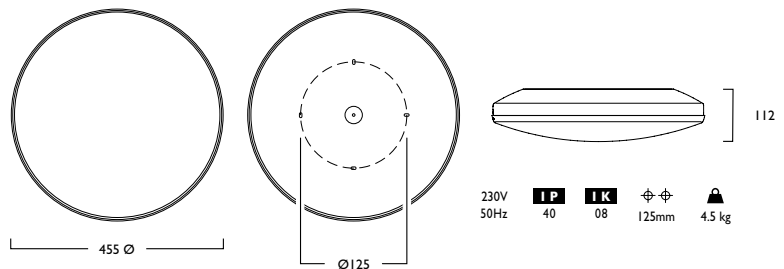
## Lumera® 455

LED

17W	LED	SD1338	LED	17	+	765
29W	LED	SD1338	LED	29	+	765
43W	LED	SD1338	LED	43	+	765

LED & MW

17W	LED	SD1339	LED	17	+	765
29W	LED	SD1339	LED	29	+ <td>765</td>	765
43W	LED	SD1339	LED	43	+ <td>765</td>	765



Control Device

Handset (Not suitable for BT versions)	CD1603	X	PIR000
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Note: Handset must be within 1m of fitting to work

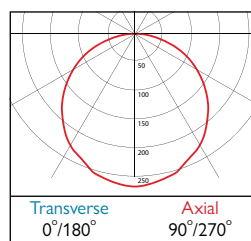
- A** Integral Driver/Remote
- E** Emergency
- J** Switch Dim (SD1338 only)
- K** Switch Dim + Emergency (SD1338 only)
- S** DALI Dim
- T** DALI Dim + Emergency
- C** DALI Dim + DALI Emergency
- L** DALI Bluetooth
- M** DALI Bluetooth + Emergency

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

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

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### Photometrics



765 DLOR: 0.80

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3	Warm White LED (3000K)	CRI 80	6W	13W	20W
	Lumen Output		1116 lm	2182 lm	3133 lm
	LOR		0.8	0.8	0.8
	CRI		80	80	80
	Total Power		7.5W	14W	21.5W
	Power Factor		0.84	0.95	0.98
	Running Current		0.04A	0.06A	0.10A
	Inrush Current (Std)		15A (204us)	5A (50us)	10A (200us)
	Inrush Current (Dim)		10A (80us)	10A (80us)	10A (200us)
	Efficacy		119 lm/W	124 lm/W	116 lm/W
	Emergency Output (BLF)		365 (32%)	365 (16%)	365 (11%)

4	Neutral White LED (4000K)	CRI 80	6W	13W	20W
	Lumen Output		1175 lm	2297 lm	3297 lm
	LOR		0.8	0.8	0.8
	CRI		80	80	80
	Total Power		7.5W	14W	21.5W
	Power Factor		0.84	0.95	0.98
	Running Current		0.04A	0.06A	0.10A
	Inrush Current (Std)		15A (204us)	5A (50us)	10A (200us)
	Inrush Current (Dim)		10A (80us)	10A (80us)	10A (200us)
	Efficacy		125 lm/W	131 lm/W	122 lm/W
	Emergency Output (BLF)		384 (32%)	384 (16%)	384 (11%)

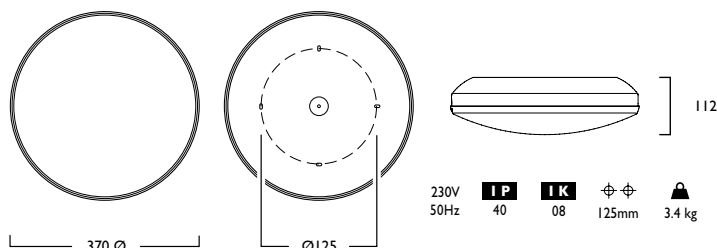
● Life expectancy in excess of 134,000 hours (L80 B10) 65,000 hours (L90 B10)

Note: Figures above refer to standard A gear unless stated

## Lumera® 370

LED	6W	13W	20W	LED	06	13	20	+	764
LED SD1336				LED	06	13	20	+	764
LED SD1336				LED	13	13	20	+	764
LED SD1336				LED	20	13	20	+	764

LED & HW	6W	13W	20W	LED	06	13	20	+	764
LED SD1337				LED	06	13	20	+	764
LED SD1337				LED	13	13	20	+	764
LED SD1337				LED	20	13	20	+	764



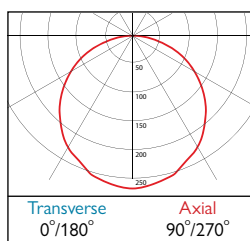
Control Device	Handset (Not suitable for BT versions)	CD1603	X	PIR000
			X	

Note: Handset must be within 1m of fitting to work

- A** Integral Driver/Remote
- E** Emergency
- J** Switch Dim (SD1336 only)
- K** Switch Dim + Emergency (SD1336 only)
- 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)

### Photometrics



764 DLOR: 0.80

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**Hacel**<sup>®</sup>  
Fluent in Lighting