



## Intelligent LED Oyster Lighting with Backup



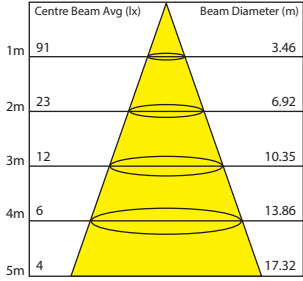
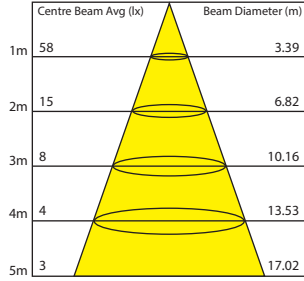
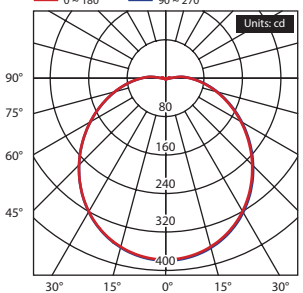
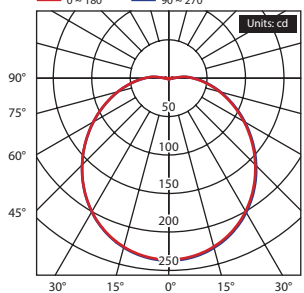
Available in 10W and 16W models, with backup battery for emergency lighting

Make the smarter choice in energy efficient lighting. Compound your LED energy savings by choosing ENSA™ Intelligent LED Oyster Lighting, with three adjustable sensors designed to control light use and boost energy efficiency.

Each LED oyster light uses a fully-configurable ambient light sensor, 5.8GHz microwave motion sensor and light on-timer in tandem, achieving impressively low total energy consumption when compared to traditional fluorescent or incandescent lamps. This makes them the perfect energy efficient light for areas with intermittent people traffic such as in apartment complexes, stairwells, walkways, university campuses and more.

This series is also available in a battery backup model, for use in emergency lighting applications. In the event of AC power loss, the light switches to the backup battery operating at half power (5W), for up to 3 hours of continuous illumination.

## Series Specifications

Model	LEDDL16WxKS	LEDDL10WxKSE																																				
Product Image																																						
Series Name	Smart LED Oyster Lights	Smart LED Oyster Lights with Backup Battery																																				
<b>Optical</b>																																						
Luminous Flux	1200lm	700lm																																				
Luminous Efficacy	75lm/W	70lm/W																																				
Colour Temperature	3000K / 5000K																																					
Colour Rendering Index	> 80																																					
Beam Angle	120°																																					
Light Decay	< 15% at 10,000 hours																																					
Rated Lifespan	30,000 hours																																					
<b>Electrical</b>																																						
Power Consumption	16W	10W																																				
Input Voltage	220 ~ 240VAC (50Hz)																																					
Power Factor	> 0.9																																					
Dimmable	N/A																																					
Battery Backup	N/A	7.2V 1800mAh NiMH >120min uptime at 5W																																				
Emergency Brightness	N/A	50% sensing / 100% on detection																																				
<b>Detection</b>																																						
Ambient Light Sensor	< 3 ~ 2000lx (adjustable)																																					
Motion Detection	360° Microwave (5.8GHz) / 8m radius (adjustable)																																					
On-Time Delay	10s ~ 12min (adjustable)																																					
Standby Light Modes	Off (0% brightness)																																					
<b>General</b>																																						
Ingress Protection	IP44																																					
Plug / Socket / Base	Internal terminal block																																					
Reflector / Diffuser	Frosted diffuser																																					
Operating Environment	-20° ~ 50°C																																					
Dimensions	Ø300 x 115mm	Ø280 x 117mm																																				
Equivalent Wattage	75W halogen	50W halogen																																				
<b>Photometry</b>																																						
Illuminance at a Distance	 <table border="1"> <caption>Illuminance at a Distance (LED DL16WxKS)</caption> <thead> <tr> <th>Distance (m)</th> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>1m</td><td>91</td><td>3.46</td></tr> <tr><td>2m</td><td>23</td><td>6.92</td></tr> <tr><td>3m</td><td>12</td><td>10.35</td></tr> <tr><td>4m</td><td>6</td><td>13.86</td></tr> <tr><td>5m</td><td>4</td><td>17.32</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	91	3.46	2m	23	6.92	3m	12	10.35	4m	6	13.86	5m	4	17.32	 <table border="1"> <caption>Illuminance at a Distance (LED DL10WxKSE)</caption> <thead> <tr> <th>Distance (m)</th> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>1m</td><td>58</td><td>3.39</td></tr> <tr><td>2m</td><td>15</td><td>6.82</td></tr> <tr><td>3m</td><td>8</td><td>10.16</td></tr> <tr><td>4m</td><td>4</td><td>13.53</td></tr> <tr><td>5m</td><td>3</td><td>17.02</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	58	3.39	2m	15	6.82	3m	8	10.16	4m	4	13.53	5m	3	17.02
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Luminous Light Distribution	 <p>Units: cd</p>	 <p>Units: cd</p>																																				

## Ordering Information

Type	Wattage	Colour Temperature	Features
LEDDL	10W (10W)	3K (Warm white)	S (Sensor batten)
	16W (16W)	5K (Cool white)	E (Backup battery)
LEDDL10W5KSE: 10W LED Sensor Oyster Light with Backup Battery			