



Your partner in lighting technology

# PLUTO LED

## SL 123 / SL 124 Downlight Series



### Features & Benefits

Designed for surface mounted with high performance led light source. Surface mounted downlight provides optimal light distribution and energy savings.



### Application

Ideal for commercial building, lobby, conventional hall, ballroom, concourse.

### Optics

Reflector Material	Aluminium
Diffuser Type	Clear or Frosted PMMA

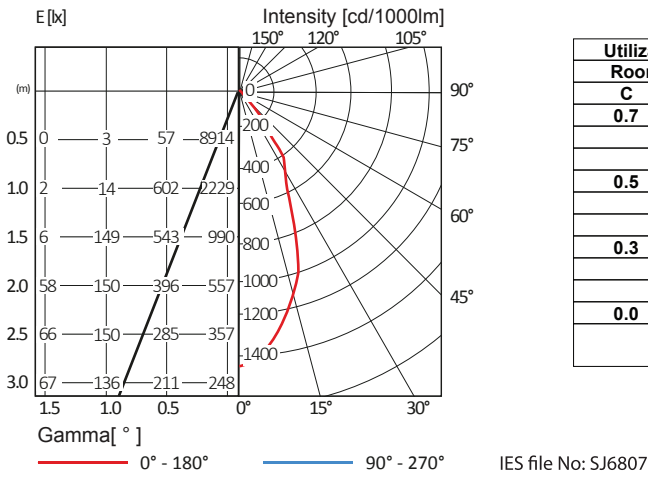
### Luminaire Product Description

Mounting	Surface
Housing Material	Aluminium
Power Supply	220-240V 50/60Hz
Operating Temperature	40°C
Power Factor	0.9
Total Harmonic Distortion	<20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000 / 50,000hrs

### Control

*Dimming Option	Fixed Output / 1-10V
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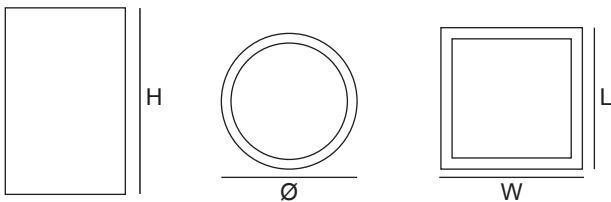
## Photometric



## TM5 Utilization Factors

Utilization factors			Room index								
Room reflection											
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5
0.7	0.5	0.2	83	90	94	97	102	104	106	108	110
	0.3		78	85	90	94	98	101	103	106	108
0.5	0.1	0.2	75	82	87	91	95	99	101	104	106
	0.5		82	88	92	95	99	101	103	105	106
0.3	0.3	0.2	78	84	89	92	96	99	100	103	104
	0.1		74	81	86	89	94	97	99	101	103
0.0	0.5	0.2	81	87	90	93	96	98	100	101	102
	0.3		77	83	87	90	94	96	98	100	101
0.0	0.1	0.2	74	81	85	88	92	94	96	99	100
	0.0		72	79	83	85	89	91	92	94	95
			SHR NOM=0.75			SHR MAX=0.87			SHR MAX		
						TR=0.87					

## Dimension



## Order Information

Model No.	Dimension (Ø xH) (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 123.3 RD	110x120	VS / Philips	VS COB	830/ 840/ 857	5	600	120
					9	1000	111
					11	1550	140
					14	1700	121
					14	1700	121
SL 123.4 RD	133x153				19	2400	126
					24	2900	120
					27	3400	125
					32	3850	120
					34	4300	126
SL 123.5 RD	171x195				41	4900	119
SL 123.6 RD	196X198				49	6000	122
SL 124.3 SQ	110x110x120				5	600	120
					9	1000	111
					11	1550	140
		14	1700	121			
		14	1700	121			
SL 124.4 SQ	133x133x135	19	2400	126			
		24	2900	120			
		27	3300	122			
		32	3700	115			
		34	4100	120			
SL 124.5 SQ	160x160x165	41	4900	119			

Note : Subject to +/- 1.5mm

Other various types are available upon request.