



Your partner in lighting technology

PLUTO LED

SL 190 Downlight Series



Features & Benefits

Full portfolio from 600lm - 2000lm, available in 830/840/865 CCT with 4"6"8". Optimized diffuser provides good uniformity.



LED Driver

Application

Ideal for commercial building, offices, conference room, classrooms, shops & etc.

Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted

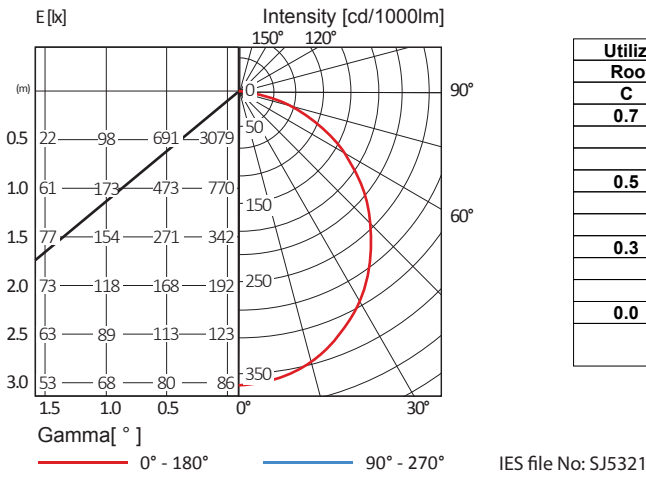
Luminaire Product Description

Mounting	Recessed
Housing Material	Polycarbonate
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class II
Life Cycle	30,000hrs

Control

*Dimming Option	Fixed Output
-----------------	--------------

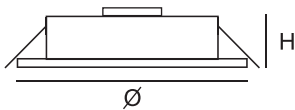
Photometric






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	61	69	77	82	89	93	97	101	104
	0.3		53	62	69	75	83	88	92	97	100
	0.1		48	56	64	70	78	84	88	94	97
0.5	0.5	0.2	59	67	74	79	86	90	93	97	100
	0.3		53	61	68	73	81	85	89	94	97
	0.1		48	56	63	69	76	82	86	91	94
0.3	0.5	0.2	58	65	72	76	83	87	90	93	96
	0.3		52	60	67	72	78	83	86	91	94
	0.1		48	55	62	68	75	80	83	88	91
0.0	0.0	0.0	45	53	60	65	71	76	79	84	87
			SHR NOM=1.50			SHR MAX=1.55			SHR MAX		
						TR=1.74					

Dimension



	SL190 (4") - 105±2 mm
	SL190 (6") - 155±2 mm
	SL190 (8") - 205±2 mm

Order Information

Model No.	Dimension (Ø xH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 190 (4")	120x36	CertaDrive	DLM Slim	830/840/865	10	1030	103
SL 190 (6")	170x36				12	1178	98
					12	1277	106
					15	1510	101
					20	2095	105
SL 190 (8")	223x37				20	2134	107
		23	2390	104			

Note : Subject to +/- 1.5mm

Other various types are available upon request.