



Your partner in lighting technology

PLUTO LED

SL 177 Downlight Series



Features & Benefits

Designed for surface mounting ceiling with better glare control. LED downlight lights with white reflector highlighting the use of a new generation of low power and high power LED as light source.

Application

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

Luminaire Product Description

Mounting	Surface
Housing Material	Cold rolled steel
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.90
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs



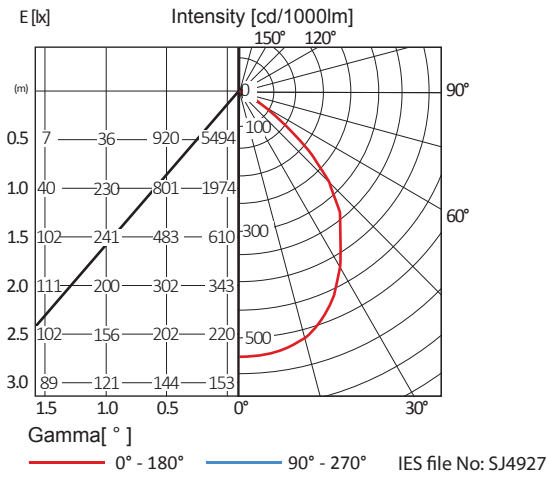
Optics

Diffuser material	Polycarbonate
Diffuser Pattern	Frosted
Reflector Material	White Paint Die cast Aluminium

Control

*Dimming Option	Fixed Output/Dali
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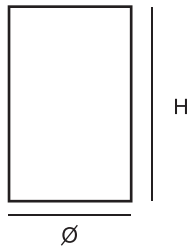
Photometric



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	70	80	86	90	96	100	102	105	107
	0.3		64	74	81	85	91	96	99	102	105
	0.1		60	70	76	81	88	92	95	100	103
0.5	0.5	0.2	69	78	84	88	93	96	99	102	103
	0.3		63	73	79	83	89	93	96	99	101
	0.1		59	69	75	80	86	90	93	97	100
0.3	0.5	0.2	68	76	82	85	90	93	95	98	100
	0.3		63	72	78	82	87	91	93	96	98
	0.1		59	68	74	79	84	88	91	94	97
0.0	0.0	0.0	57	66	72	76	81	85	87	90	92
			SHR NOM=1.25			SHR MAX=1.43			SHR MAX		
						TR=1.58					

Dimension



Order Information

Model No.	Dimension (Ø x H) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 177.4	160x155	CertaDrive	Cree CXA	830/835/ 840/865	11	850	77
		CertaDrive / Xitanium			15	1250	83
SL 177.6	188x155	CertaDrive / Xitanium			21	2000	95
		Xitanium			30	3000	100
SL 177.6	188x205	Xitanium			40	4000	100
		Xitanium			50	5000	100
SL 177.8	235x200	Xitanium			40	4000	100
		Xitanium			50	5000	100
		Xitanium			60	6000	100
	235x255	Xitanium					

Note : Subject to +/- 1.5mm

*Other various types are available upon request.