



Your partner in lighting technology

PLUTO LED

SL 176 Downlight Series



Features & Benefits

Designed for recess 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	Recessed
Housing Material	Die-cast Aluminum
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



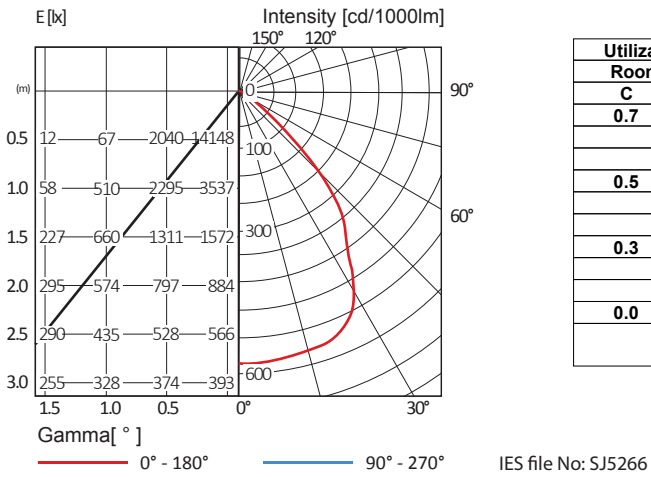
Optics

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

Control

*Dimming Option	Fixed Output/Dali
-----------------	-------------------

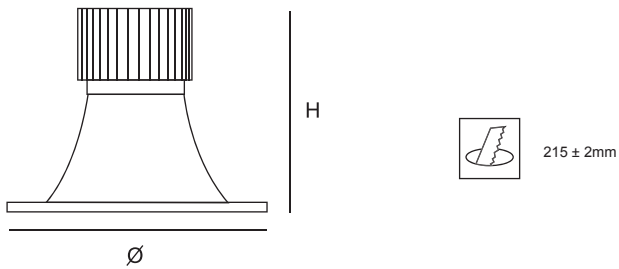
Photometric



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	75	84	89	93	98	101	104	107	108
	0.3		69	78	84	88	94	98	100	104	106
	0.1		65	74	80	85	91	95	97	101	104
0.5	0.5	0.2	74	82	87	91	95	98	100	103	104
	0.3		69	77	83	87	92	95	97	101	102
	0.1		65	74	79	83	89	93	95	99	101
0.3	0.5	0.2	72	80	85	88	92	95	97	99	101
	0.3		68	76	81	85	90	93	95	97	99
	0.1		65	73	78	82	87	91	93	96	98
0.0	0.0	0.0	63	71	76	79	84	87	89	92	93
			SHR NOM=1.25			SHR MAX=1.48			SHR MAX		
			TR=1.63								

Dimension



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 176	235x165	Titanium	Cree CXA	830/835/ 840/865	40	4000	100
					50	5000	100
	60				6000	100	
	235x210						

Note : Subject to +/- 1.5mm

*Other various types are available upon request.