



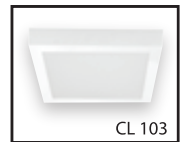
# PLUTO LED

## CL 102 / CL 103 Ceiling Light Series



### Features & Benefits

Surface mounted LED ceiling light in white finish with anti-glare diffuser.



### Application

Ideal for restaurants, general shops, small offices, reception area & etc.

### Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

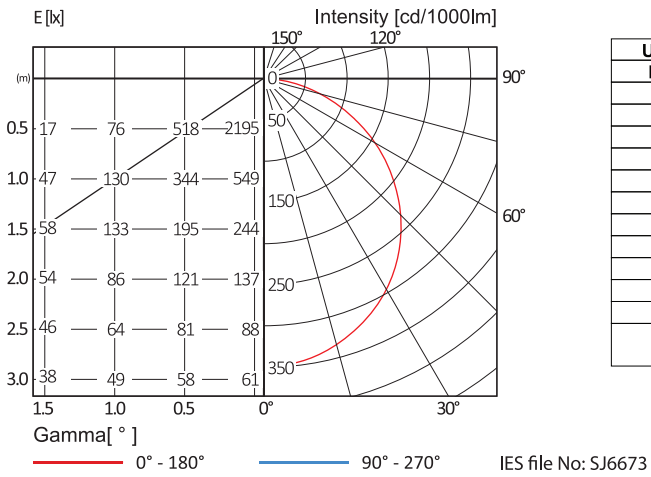
### Luminaire Product Description

Mounting	Surface
Housing Material	Polycarbonate
Power Supply	220V-240V 50/60Hz
Operating Temperature	45°C
Power Factor	0.5
Total Harmonic Distortion	>20%
Ingress Protection	IP20
Insulation Classification	Class II
Life Cycle	25,000hrs

### Control

*Dimming Option	Fixed Output
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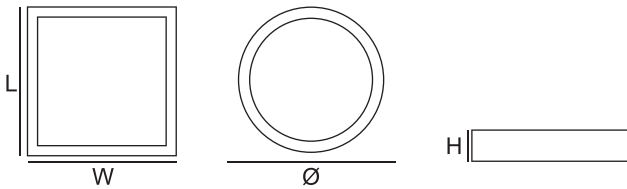
## Photometric



## 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	60	68	75	81	88	93	96	100	103
	0.3		52	60	68	74	82	87	91	96	100
	0.1		47	55	63	68	77	82	87	93	97
0.5	0.5	0.2	58	66	73	78	85	89	92	96	99
	0.3		51	59	67	72	79	84	88	93	96
	0.1		46	54	62	67	75	81	85	90	94
0.3	0.5	0.2	57	64	71	75	82	86	89	93	95
	0.3		51	58	65	70	77	82	85	90	93
	0.1		46	54	61	66	74	79	82	87	91
0.0	0.0	0.0	44	51	58	63	70	75	78	83	86
			SHR NOM=1.50			SHR MAX=1.61			SHR MAX		
			TR=1.80								

## Dimension



## Order Information

Model No.	Dimension (Ø xH) (LxWxH) (mm)	Driver Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
CL 102.6 RD	175x35	Integrated	830/840/865	12	1040	87
CL 102.8 RD	225x35			18	1570	87
CL 103.6 SQ	175x175x35			12	1030	86
CL 103.8 SQ	225x225x35			18	1570	87

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.