

## “DÉCOR” DOWNLIGHT – 31S SERIES (Model: DLCD31S)

### FEATURES:

- High Efficiency (~110 lumens/W)
- Samsung LED or other equivalent branded LED
- High quality powder coated housing for elegant look
- Wide input voltage range (90-305VAC) for protection against voltage fluctuation
- 2.5kV surge protection for protection against transient voltage
- TIS Certified (Thailand)



TIS 1955-2551

### SPECIFICATIONS\*:

Model	DLCD31S4-60	DLCD31S6-120
System Power	6W	12W
Color Temperature (CCT)	3000K, 4000K, 5000K, 6500K	
CRI	80 Ra	
Luminous Flux	650 lm	1350 lm
Luminous Efficacy	~110 lm / W	
Input Voltage	90-305 Vac	
Surge Protection	2.5kV	
Power Factor	> 0.95	
Power Supply Efficiency	> 90%	
Dimming	Optional	
Beam Angle	80 Degrees	
Design Life	40,000 hours	
Housing Color	White	
Housing Material	Aluminum	
Housing surface finish	Power coating	
Diffuser Material	Polycarbonate	

\*Specifications are subject to changes without prior notice.

REVISION: 1

Date: 2017.10.01

Title: “DÉCOR” DOWNLIGHT – 31S SERIES

Model: DLCD31S

SHEET No: 1 of 4

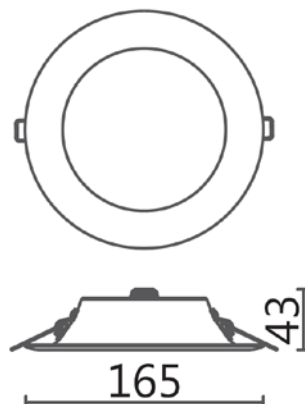
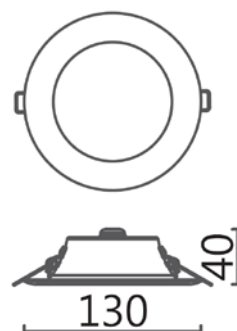
Version: 1.2

## “DÉCOR” DOWNLIGHT – 31S SERIES (Model: DLCD31S)

### PRODUCT PHOTOS AND SIZE:



TIS 1955-2551



### ORDERING INFORMATION: e.g., DLCD31S-12030N-8080-06

Series		Wattage		Color Temperature (CCT)		Dimming		CRI		Beam Angle		Diameter		
DLCD31S	DÉCOR 31S	60	6W	30	3000K	N	Non-dimmable Dimmable	80	80Ra	80	80 DEG	04	4 inch	
		120	12W	40	4000K	D							06	6 inch
				50	5000K									
				65	6500K									

REVISION: 1

Date: 2017.10.01

Title: “DÉCOR” DOWNLIGHT – 31S SERIES

Model: DLCD31S

SHEET No: 2 of 4

Version: 1.2

## “DÉCOR” DOWNLIGHT – 31S SERIES (Model: DLCD31S)

### PHOTOMETRIC CHARACTERISTICS (6W 4 INCH)



TIS 1955-2551

**Filename:** Claro Decor 31S4 SMD Downlight 6W

**Manufacturer:** EPITAX PTE LTD

**Luminaire:** CLARO DECOR 31S4 6W DOWNLIGHT

**Lamp:** CLARO DECOR 31S4 6W DOWNLIGHT

**Lamp Output:** Total luminaire Lumens: 689.5

**Max Candela:** 381.9 at Horizontal: 202.5°, Vertical: 1°

**Input Wattage:** 6.1

**Luminous Opening:** Circular (Dia: 0.13M)

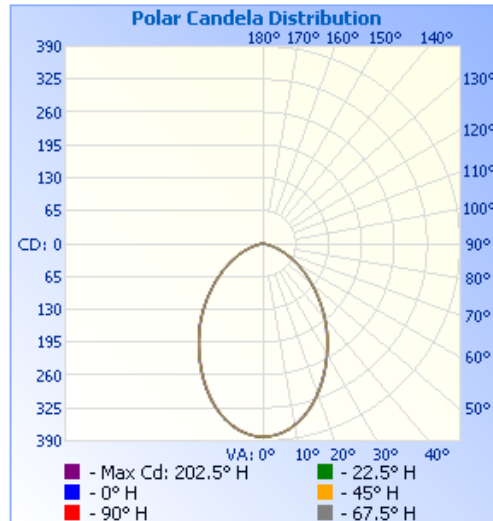
**Test:** N/A

**Photometry :** Type C

**CIE Class:** Direct

**Cutoff Class:** Cutoff

**Nema Type:** 7X 7

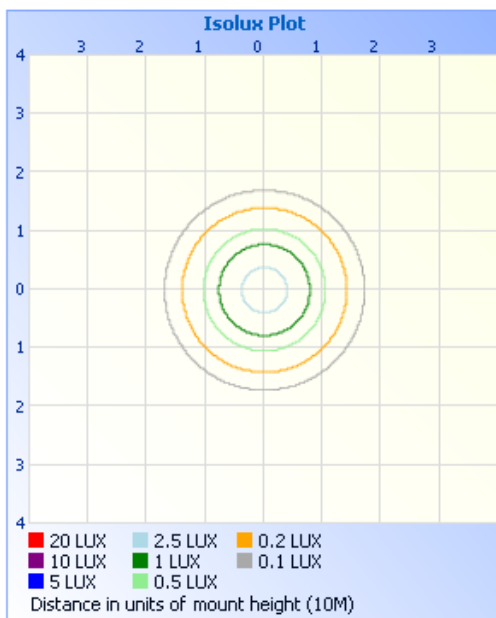


#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	262.1	38%
0-40	399.8	58%
0-60	611.3	88.7%
60-90	78.2	11.3%
70-100	24.3	3.5%
90-120	0.0	0%
0-90	689.5	100%
90-180	0.0	0%
0-180	689.5	100%

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	35.5	5.2%	90-100	0.0	0%
10-20	95.9	13.9%	100-110	0	0%
20-30	130.6	18.9%	110-120	0	0%
30-40	137.7	20.0%	120-130	0	0%
40-50	121.4	17.6%	130-140	0	0%
50-60	90.1	13.1%	140-150	0	0%
60-70	53.9	7.8%	150-160	0	0%
70-80	20.8	3.0%	160-170	0	0%
80-90	3.5	0.5%	170-180	0	0%



	Center Beam LUX	Beam Width	
1.67M	137 LUX	2.77 M	2.77 M
3.33M	34.3 LUX	5.54 M	5.54 M
5.00M	15.3 LUX	8.31 M	8.31 M
6.67M	8.58 LUX	11.08 M	11.08 M
8.33M	5.49 LUX	13.86 M	13.85 M
10.00M	3.81 LUX	16.63 M	16.62 M

■ Vert. Spread: 79.5°  
■ Horiz. Spread: 79.4°

## “DÉCOR” DOWNLIGHT – 31S SERIES (Model: DLCD31S)

### PHOTOMETRIC CHARACTERISTICS (12W 6 INCH)



TIS 1955-2551

**Filename: Claro Decor 31S6 SMD Downlight 12W**

Manufacturer: EPITAX PTE LTD

Luminaire: CLARO DECOR 31S6 12W DOWNLIGHT

Lamp: CLARO DECOR 31S6 12W DOWNLIGHT

Lamp Output: Total luminaire Lumens: 1341.4

Max Candela: 743.0 at Horizontal: 202.5°, Vertical: 1°

Input Wattage: 12

Luminous Opening: Circular (Dia: 0.16M)

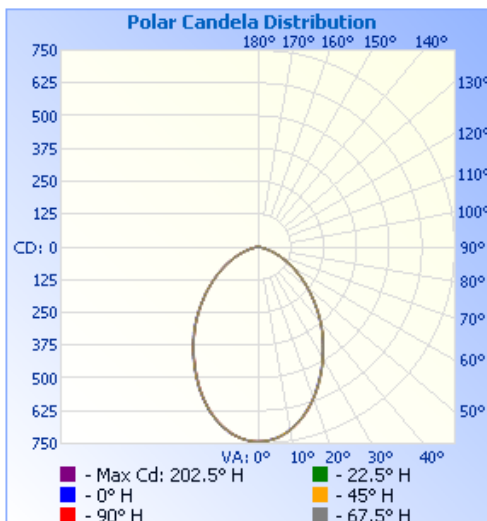
Test: N/A

Photometry : Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

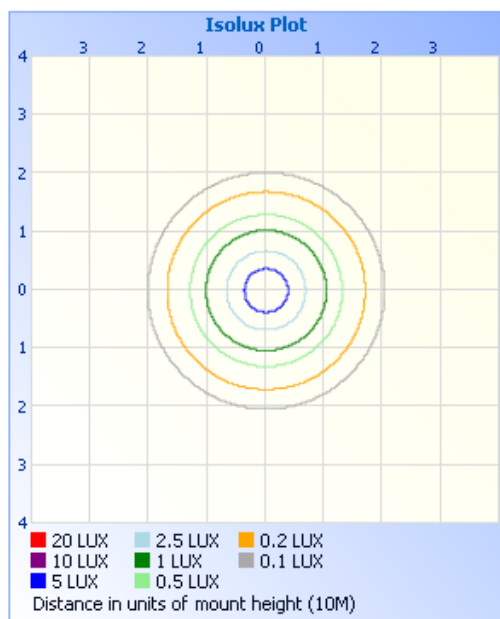


**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	509.9	38%
0-40	777.9	58%
0-60	1,189.3	88.7%
60-90	152.1	11.3%
70-100	47.3	3.5%
90-120	0.0	0%
0-90	1,341.4	100%
90-180	0.0	0%
0-180	1,341.4	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	69.1	5.2%	90-100	0.0	0%
10-20	186.7	13.9%	100-110	0	0%
20-30	254.1	18.9%	110-120	0	0%
30-40	268.0	20.0%	120-130	0	0%
40-50	236.1	17.6%	130-140	0	0%
50-60	175.3	13.1%	140-150	0	0%
60-70	104.9	7.8%	150-160	0	0%
70-80	40.4	3.0%	160-170	0	0%
80-90	6.8	0.5%	170-180	0	0%



**Illuminance at a Distance**

	Center Beam LUX	Beam Width	
1.67M	267 LUX	2.77 M	2.77 M
3.33M	66.7 LUX	5.54 M	5.54 M
5.00M	29.7 LUX	8.31 M	8.31 M
6.67M	16.7 LUX	11.08 M	11.08 M
8.33M	10.7 LUX	13.86 M	13.85 M
10.00M	7.41 LUX	16.63 M	16.62 M

■ Vert. Spread: 79.5°  
■ Horiz. Spread: 79.4°