

LED DOWNLIGHT SPECIFICATION

AC Direct Driving LED DownLight

MODEL NAME	PDSA-1222-01
PRODUCT	LED DownLight / AC Direct Driving
SHEET STATUS	Rev. 0
DATE	2019.02.19

REVISION HISTORY

No.	Date	Description	Ver.	Editor
1	2019.02.19	Preliminary edition is published	0	YS Nam

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PRODUCT SELECTION TABLE^{*1)}

Model Name		CCT		Power	Input Voltage	CRI
		Color	Typ.			Min
PDSA-1222-01	PDSA-1222-WW-01_30K80	Warm	3000K	12W	AC 220V 50/60Hz	80
	PDSA-1222-NW-01_40K80	Neutral	4000K			
	PDSA-1222-CW-01_57K80	Cool	5700K			

- ^{*1)} Please include color option (CCT) in your purchase order.

FEATURES

- AC Direct Driving LED Light
- Life Time to Failure > 50,000 hours
- Low THD (Total Harmonic Distortion)
- High Power Efficiency and PF
- NTC (Negative Temperature Coefficient)
- Flickerless LED Lighting
- Dimmable with Most Standard LED Dimmer & RFsemi 2-wire Dimmer
- 5 year Manufacture's Warranty

APPLICATIONS

- Home
- Shopping mall
- Restaurant
- Hotel



ELECTRICAL CHARACTERISTICS

T_A = 25 °C

Parameter	Condition	Symbol	Min.	Typ.	Max.	Unit
Input Power	V _{AC} = 220V	P _{IN}	10.8	12	13.2	W
Operating Voltage		V _{AC}	200	220	240	V [RMS]
Operating Frequency	V _{AC} = 220V	Freq.	50 / 60			Hz
Total Harmonic Distortion		THD			20	%
Power Factor		PF	0.95	0.98	-	-
Operating Temperature	T _A	T _{op}	-30		50	°C

OPTICAL CHARACTERISTICS

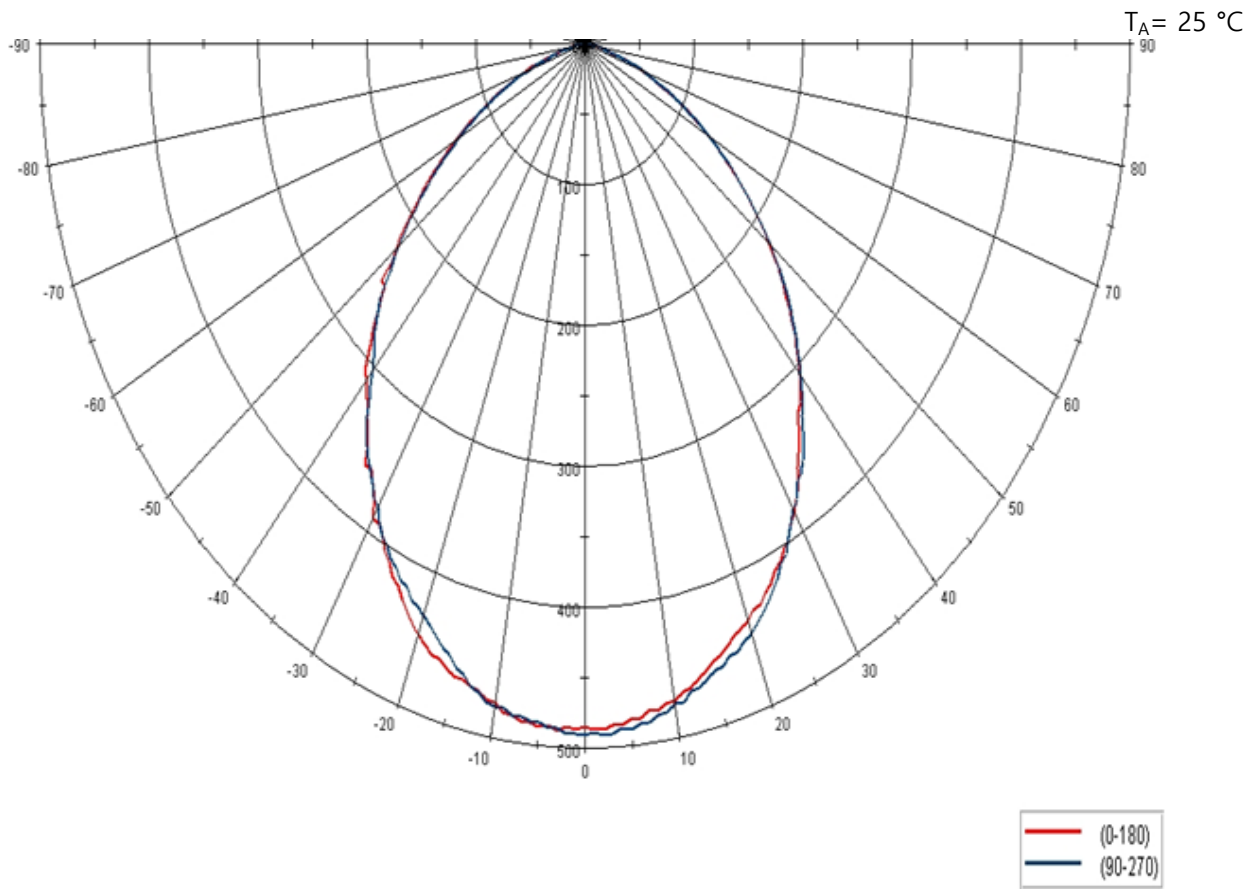
T_A = 25 °C

Parameter	Condition	Symbol	Min.	Typ.	Max.	Unit
Luminous Flux ^{*1)}	CCT = 3000K	Ø _v		972		lm
	CCT = 4000K			1080		
	CCT = 5700K			1080		
Luminous Efficacy	CCT = 3000K	η		81		lm/W
	CCT = 4000K			90		
	CCT = 5700K			90		
Color Rendering Index		Ra	80			-
View angle ^{*2)}		2Θ _{1/2}		102		deg.

*1) Measurement tolerance : Flux ± 5%

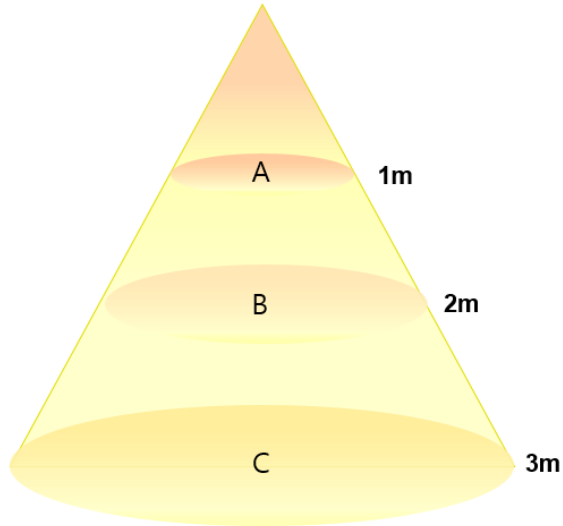
*2) 2Θ_{1/2} is the off-axis where the luminous intensity is 1/2 of the peak intensity

LUMINOUS INTENSITY DISTRIBUTION



CONICAL ILLUMINANCE

$T_A = 25\text{ }^\circ\text{C}$

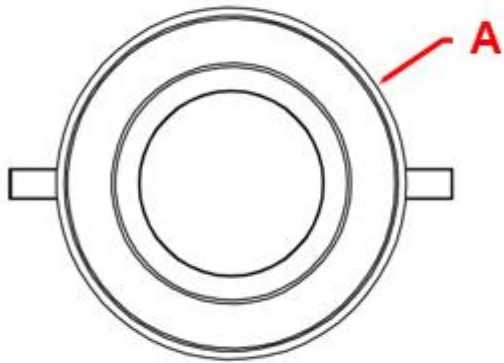


Unit : lx

5700K		
A	B	C
456	114	51

PRODUCT DIMENSIONS

Unit : mm



Top view



Side view

Model Name	A	B
PDSA-1222-01	Ø150	52.7mm