

CUSP 833 Series



Track Mounted



Pendant



Recessed



Surface Mounted
Directional



Surface Mounted
Fixed





Introduction

This CUSP 833 series has a beautiful appearance and a UGR19 anti-glare design. It has a single module lamp body but is compatible with six different installation accessories, including three replaceable reflectors, surface mounted ceiling fans, and track pendants. The CUSP 833 series uses a Bridgelux brand COB light source, and because of its 120 lm/ W lumen efficiency, it can save more energy.

Features

- Four size options: Ø55mm, Ø65mm, Ø85mm, Ø100mm.
- Multiple installation ways: track/track pendant/surface pendant/surface mounted/ceiling canopy/recessed.
- Anti-glare UGR<19 for whole series.
- High lumen efficiency, 120lm/W.
- Interchangeable CCT and interchangeable wattage with DIP switch (except Ø55mm module).
- Reflector module:24°/36°/60° exchangeable.
- Finished color: White/Black for lamp body, white/black/gold for front ring.
- Internal flicker free driver for on/off, Triac dim and DALI dim (except Ø55mm module).

Application Areas

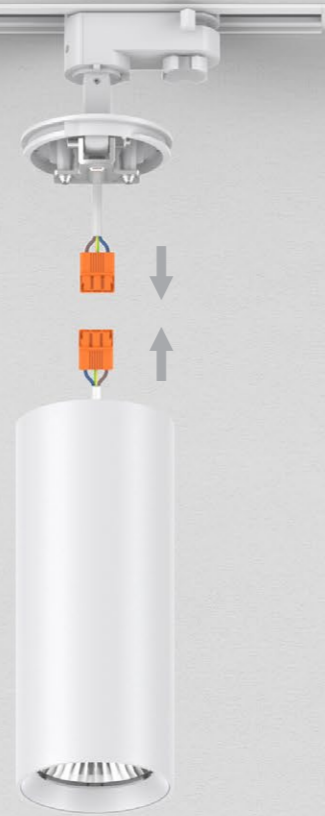
The CUSP 833 series is applicable for commercial lighting in offices, hotels, restaurants, stores, supermarkets, art galleries, museums, and other places. It is also appropriate for residential lighting, such as in bedrooms, living rooms and hallways.



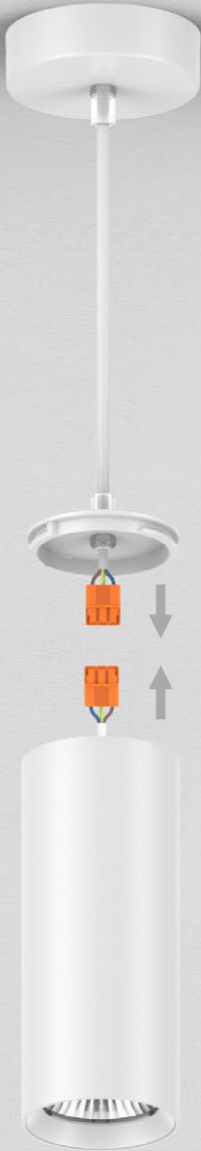
PD833TM-55/65/85/100



TL833TM-55/65/85/100



PD833SM-55/65/85/100



DL833SMD-55/65/85/100



DL833SMF-55/65/85/100



DL833R-55/65/85/100



ACC-PD833TM-55/65/85/100



ACC-TL833TM-55/65/85/100



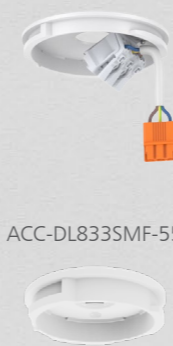
ACC-PD833SM-55/65/85/100



ACC-DL833SMD-55/65/85/100



ACC-DL833SMF-65/85/100



ACC-DL833R-55/65/85/100



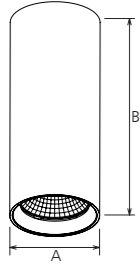
ACC-833-55/65/85/100-X1-X2



X1 = WT-White/BK-Black/GD-Golden
X2 = 24°/36°/60°

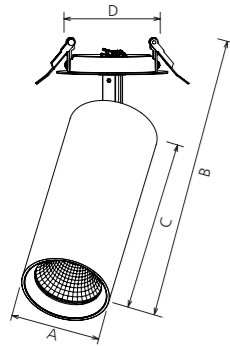
Measurement

DL833SMF



Code	Dimension(mm)		Size(mm)
	A	B	
DL833SMF-55	55	160	Ø55*160
DL833SMF-65	65	180	Ø65*180
DL833SMF-85	85	206	Ø85*206
DL833SMF-100	100	220	Ø100*220

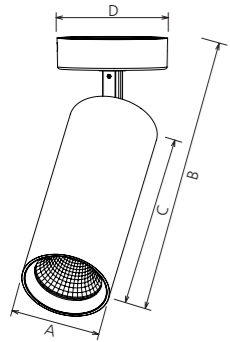
DL833R



Cutout (mm): 90-95

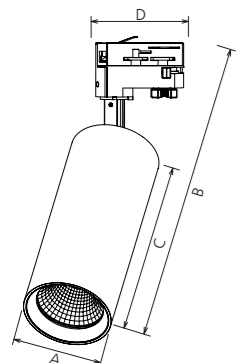
Code	Dimension(mm)				Size(mm)
	A	B	C	D	
DL833R-55	55	215	160	89	Ø55*215
DL833R-65	65	235	180	89	Ø65*235
DL833R-85	85	274	206	89	Ø85*274
DL833R-100	100	288	220	89	Ø100*288

DL833SMD



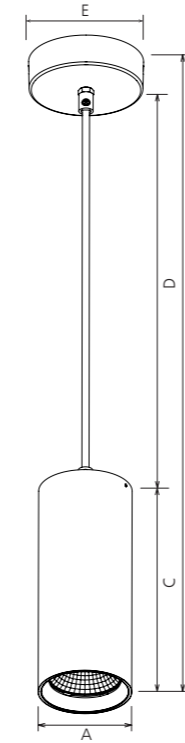
Code	Dimension(mm)				Size(mm)
	A	B	C	D	
DL833SMD-55	55	211	160	105	Ø55*211
DL833SMD-65	65	231	180	105	Ø65*231
DL833SMD-85	85	270	206	105	Ø85*270
DL833SMD-100	100	284	220	105	Ø100*284

TL833TM



Code	Dimension(mm)				Size(mm)
	A	B	C	D	
TL833TM-55	55	233	160	93	Ø55*233
TL833TM-65	65	253	180	98	Ø65*253
TL833TM-85	85	292	206	108	Ø85*292
TL833TM-100	100	306	220	116	Ø100*306

PD833SM

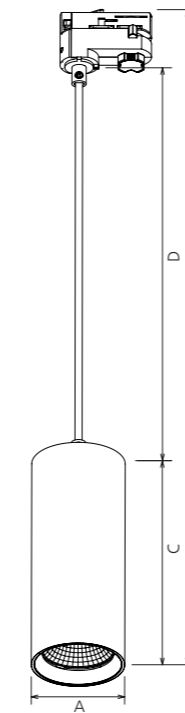


Code	Dimension(mm)					Size(mm)
	A	B	C	D	E	
PD833SM-55	55	1189	160	1000	105	Ø55*1189
PD833SM-65	65	1209	180	1000	105	Ø65*1209
PD833SM-85	85	1235	206	1000	105	Ø85*1235
PD833SM-100	100	1249	220	1000	105	Ø100*1249

Suspended Cable Color Table

Product Finishing	Suspended Cable	Dimming Option
White	White	Non-Dim/Triac Dim
Black	Black	Non-Dim/Triac Dim
White/Black	Transparent	0-10V/DALI Dim

PD833TM



Code	Dimension(mm)				Size(mm)
	A	B	C	D	
PD833TM-55	55	1213	160	1000	Ø55*1213
PD833TM-65	65	1233	180	1000	Ø65*1233
PD833TM-85	85	1259	206	1000	Ø85*1259
PD833TM-100	100	1273	220	1000	Ø100*1273

Suspended Cable Color Table

Product Finishing	Suspended Cable	Dimming Option
White	White	Non-Dim/Triac Dim
Black	Black	Non-Dim/Triac Dim
White/Black	Transparent	0-10V/DALI Dim



Technical Data Sheet

Code No.	833-55-6W	833-55-10W	833-65-10W	833-65-15W	833-65-15W-A3	833-85-20W	833-85-25W	833-85-25W-A3	833-100-30W	833-100-35W	833-100-35W-A3		
Dimension(mm)	55*160		65*180			85*206			100*220				
Cutout (mm)	-												
Watt(W)	6W	10W	10W	15W	10W/12W/15W	20W	25W	15W/20W/25W	30W	35W	25W/30W/35W		
Rated Input Voltage(V)	AC230V												
Input Voltage(V)	AC220-240V												
LED Module Input	-												
Light Source	COB												
SDCM	<5												
CCT(K)	1-CCT: 2700K/3000K/4000K/5000K//3-CCT: 3000K + 4000K + 5000K												
CCT Selection DIP Switch	-		YES										
Luminous Flux (lm) ±5%(White)	Non-DIM	1-CCT	600-750	1030-1200	1030-1200	1550-1750	10W 1100-1250 12W 1250-1400 15W 1550-1750	2300-2550	2850-3150	15W 1800-2000 20W 2300-2550 25W 2850-3150	3300-3650	3800-4100	25W 2850-3150 30W 3300-3650 35W 3800-4100
	DIM		550-700	950-1150	950-1150	1500-1700	-	2150-2450	2700-3000	-	3200-3500	3650-4000	-
	Non-DIM	3-CCT	-	-	800-900	1200-1400	10W 900-1000 12W 1050-1150 15W 1200-1400	1800-2000	2300-2500	15W 1500-1600 20W 1900-2050 25W 2300-2500	2750-3050	2900-3300	25W 2300-2500 30W 2600-2900 35W 2900-3300
	DIM		-	-	740-850	1150-1350	-	1700-1900	2150-2350	-	2550-2850	2750-3100	-
Black color decrease 10% lumen													
CRI	80/90/97(1-CCT) /90(3-CCT)												
Beam Angle (°)	24° / 36° / 60°												
UGR	24°/36°		<19										
	60°		<22										
LED Driver	Built-in												
Dimming Option	Triac		Triac / DALI										
Sensor	NO												
Emergency Kits	NO												
Electrical Class	ClassI												
Ingress Protection (IP Rating)	IP20												
Impact Resistance (IK Rating)	-												
Product Finishing(Base)	Black RAL9005/White RAL9016												
Materials of Optics	Aluminum+transparent tempered glass												
Materials of Housing	Aluminum												
Lifetime (hr)	50,000h												
Glow wire test (°C)	650°C												
Operating Temp. (°C)	-20°C~40°C												
Storage Temp. (°C)	-20°C~60°C												
Installation	Surface mounted/Pendant/Recessed/Track												

Driver Datasheet (Non-dimmable)

Total load wattage		6W	10W	15W	20W	25W	30W	35W	10W/12W/15W	15W/20W/25W	25W/30W/35W	
Output	Output Voltage range	DC30-40V							DC30-40V			
	Rated output current	150	250	360	520	640.0	750	850	250/300/360	380/520/640	640/750/850	
	Line Regulation	±5%							±5%			
	Setup, Rise Time	≤500ms @230V							≤500ms @230V			
	Flickering Index	(NO RISK)							(NO RISK)			
Input	Input Voltage	AC198-264V							AC198-264V			
	Rated Input Voltage(V)	AC220-240V							AC220-240V			
	Frequency	50/60Hz							50/60Hz			
	Input Current	0.03	0.05	0.07	0.1	0.1	0.15	0.18	0.07	0.13	0.18	
	Rated Input Current	0.026	0.04	0.065	0.086	0.1	0.13	0.152	0.065	0.11	0.152	
	Power Factor	≥0.7	≥0.9	≥0.9	≥0.9	≥0.9	≥0.9	≥0.9	≥0.9	≥0.9@360mA	≥0.9@640mA	≥0.9@850mA
	THD	<40% @230V	<25% @230V	<30% @230V					<25% @230V/360mA	<25% @230V/640mA	<25% @230V/850mA	
	Efficiency	≥82%							≥84%			
	No load wattage	≤0.5W							≤0.5W			
Protection	Short circuit protection	PASS							PASS			
	Over voltage protection	PASS							PASS			
	Over temperature protection	PASS							PASS			
Safety & EMC	Withstand voltage	I/P-O/P: 3.75kVac, <5mA 60S			I/P-FG: 1.5kVac, <5mA 60S				I/P-FG: 1.5kVac, <5mA 60S			
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω			500VDC, ≥2M Ω				500VDC, ≥2M Ω			
	Surge	I/P-O/P: 500VDC, ≥4M Ω			IEC/EN61000-4-5 (P<25W; L-N:500V, L/N-PE:1KV)			IEC/EN61000-4-5 (P≥25w L-N:1KV, L/N-PE:2KV)		IEC/EN61000-4-5 (P≥25w L-N:1KV, L/N-PE:2KV)		
	EMC Emission	IEC/EN55015, IEC/EN61000-3-2							IEC/EN55015, IEC/EN61000-3-2			
	EMC Immunity	IEC/EN61000-4-2,3,4,5,6,8,11;IEC/ EN61547							IEC/EN61000-4-2,3,4,5,6,8,11;IEC/ EN61547A			

Driver Datasheet (Triac Dimmable)

Total load wattage		6W	10W	15W	20W	25W	30W	35W
Output	Output Voltage range	DC23-40V			DC30-40V			
	Rated output current	140mA	230mA	350mA	500mA	580mA	700mA	800mA
	Line Regulation	±5%						
	Setup, Rise Time	≤500ms @230V						
	Flickering Index	<5%(NO RISK)						
Input	Input Voltage	AC200-264V						
	Rated Input Voltage(V)	AC220-240V						
	Frequency	50Hz						
	Input Current	≤0.04A	≤0.06A	≤0.09A	≤0.12A	≤0.14A	≤0.17A	≤0.2A
	Rated Input Current	≤0.04A	≤0.05A	≤0.08A	≤0.11A	≤0.13A	≤0.16A	≤0.18A
	Power Factor	0.85	0.9					
	THD	<20% @230V						
	Efficiency	≥78%	≥80%	≥84%				
	No load wattage	<0.5W @230V						
Protection	Short circuit protection	PASS						
	Over voltage protection	PASS						
	Over temperature protection	PASS						
Safety & EMC	Withstand voltage	I/P-FG: 1.5kVac, <5mA 60S						
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω						
	Surge	IEC/EN61000-4-5 (P<25W; L-N:500V, L/N-PE:1KV)			IEC/EN61000-4-5 (P≥25w L-N:1KV, L/N-PE:2KV)			
	EMC Emission	IEC/EN55015, IEC/EN61000-3-2						
	EMC Immunity	IEC/EN61000-4-2,3,4,5,6,8,11;IEC/ EN61547						

Driver Datasheet (DALI Dimmable)

Total load wattage		10W	15W	20W	25W	30W	35W
Output	Output Voltage range	DC30-40V					
	Rated output current	230mA	350mA	500mA	600mA	700mA	850mA
	Line Regulation	±5%					
	Setup, Rise Time	≤1S @230V					
	Flickering Index	1% (IEEE1789 NO RISK)					
Input	Input Voltage	AC180-264V					
	Rated Input Voltage(V)	AC200-240V					
	Frequency	50/60Hz					
	Input Current	≤0.07A	≤0.1A	≤0.13A	≤0.16A	≤0.19A	≤0.22A
	Rated Input Current	≤0.06A	≤0.09A	≤0.12A	≤0.14A	≤0.17A	≤0.20A
	Power Factor	0.9					
	THD	<20% @230V					
	Efficiency	≥83%	≥84%	≥85%	≥86%		
	No load wattage	≤0.5W					
Protection	Short circuit protection	PASS					
	Over voltage protection	PASS					
	Over temperature protection	PASS					
Safety & EMC	Withstand voltage	I/P-O/P: 3.75kVac, <5mA 60S					
	Isolation Resistance	I/P-O/P: 500VDC, ≥4M Ω					
	Surge	IEC/EN61000-4-5(P<25W;L-N:500V)			IEC/EN61000-4-5(P≥25W;L-N:1KV)		
	EMC Emission	IEC/EN55015, IEC/EN61000-3-2					
	EMC Immunity	IEC/EN61000-4-2,3,4,5,6,8,11;IEC/ EN61547					