

OE Lighting technical data

LED Downlight

Create new gree life - Energy saving/Healthy/Eco-friendly



www.oe-lighting.com
info@oe-lighting.com

LED DOWNLIGHT



Model No.	Watts(W)	Light Output(lm)	Voltage(V)	Light Color(K)	Beam Angle(Degree)
LED80000	10	660	AC200-240	2800-6500K	38/60

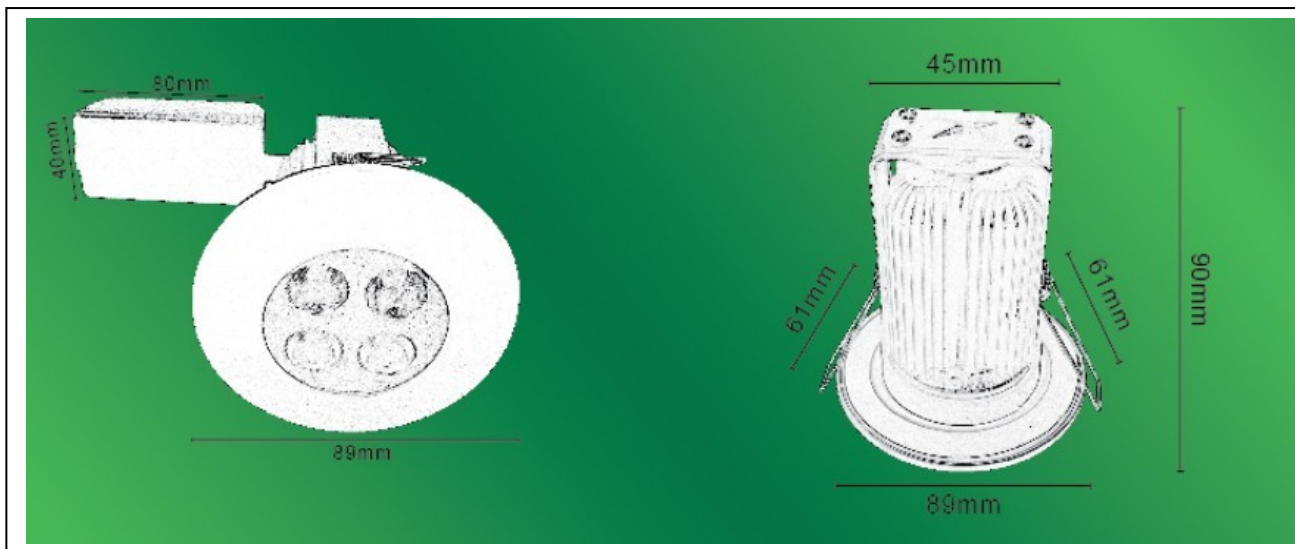
Specifications	Values
Operational Temperature Range	-20~40°C
Material	Aluminum + PA6
LED Chip	CREE
Color	Black
IP rating	IP65
Optional Bezel	White Bezel/Polished Chrome/Brushed steel

Item	Test Conditions	Min.	Typ.	Max.
Input Voltage (V.)	AC	200	220	240
Input current (A.)	AC220V	---	629	---
Input Power (W,)	AC(all)	---	10	----
Input Frequency (Hz)	AC	---	50/60Hz	---
Power Factor (PF)	AC(all)	0.825		
Output voltage (V)	DC	---	---	---

LED DOWNLIGHT



Drawing



Packing

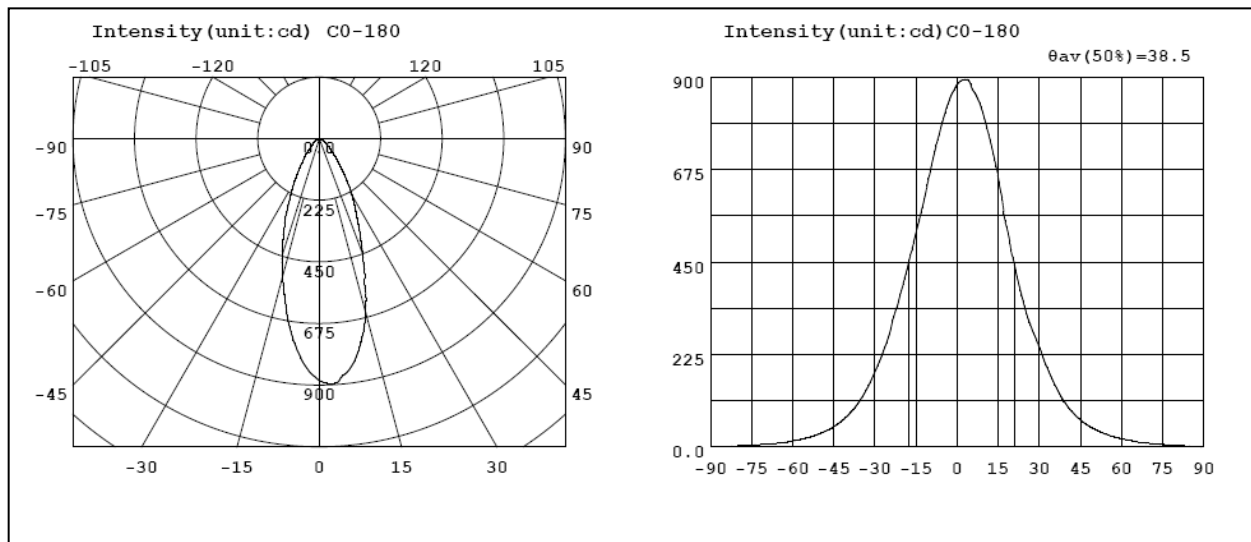
Weight/carton	12/14kg
Size of box	19*12*10.5cm
Size of Carton	59*38*33CM
Qty/ Carton	27PCS

LED DOWNLIGHT



Category	Specifications	Unit
Watts	10	W
Lumens per Watt(Efficacy)	65	Lm/W
Light Output	650	lm
Light Color(CCT)	2800-6500	K
Beam Angle	38/60	'(degree)
Color Accuracy(CRI)	80	Ra
Product Weight	450	G
Rating Life	30000	H
Base	Line interface	
Input Voltage(AC)	200-240	V

Goniophotometer Test Report



Intensity data:(deg , cd) C0-180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	0.8531	-58.5	17.11	-27.0	232.5	4.5	889.5	36.0	148.2	67.5	11.75
-88.5	0.8460	-57.0	19.26	-25.5	260.0	6.0	866.4	37.5	128.9	69.0	10.57
-87.0	1.044	-55.5	21.59	-24.0	294.4	7.5	848.9	39.0	112.4	70.5	9.514
-85.5	1.401	-54.0	24.31	-22.5	333.1	9.0	822.1	40.5	97.96	72.0	8.537
-84.0	1.845	-52.5	27.48	-21.0	365.7	10.5	787.7	42.0	86.17	73.5	7.671
-82.5	2.337	-51.0	30.96	-19.5	403.0	12.0	747.6	43.5	75.69	75.0	6.867
-81.0	2.867	-49.5	34.97	-18.0	440.4	13.5	705.5	45.0	66.85	76.5	6.094
-79.5	3.406	-48.0	39.57	-16.5	479.9	15.0	656.5	46.5	59.05	78.0	5.357
-78.0	3.985	-46.5	44.58	-15.0	522.0	16.5	602.3	48.0	52.47	79.5	4.664
-76.5	4.587	-45.0	50.36	-13.5	561.7	18.0	537.9	49.5	46.51	81.0	4.025
-75.0	5.182	-43.5	57.02	-12.0	603.5	19.5	487.5	51.0	41.42	82.5	3.407
-73.5	5.848	-42.0	64.84	-10.5	651.1	21.0	442.2	52.5	36.80	84.0	2.790
-72.0	6.506	-40.5	73.71	-9.0	696.4	22.5	398.2	54.0	32.78	85.5	2.160
-70.5	7.229	-39.0	83.75	-7.5	738.3	24.0	358.3	55.5	29.15	87.0	1.591
-69.0	7.981	-37.5	95.35	-6.0	776.6	25.5	321.8	57.0	26.10	88.5	1.046
-67.5	8.803	-36.0	108.5	-4.5	811.7	27.0	294.0	58.5	23.33	90.0	0.5376
-66.0	9.773	-34.5	124.1	-3.0	841.1	28.5	269.4	60.0	20.78		
-64.5	10.88	-33.0	141.7	-1.5	864.3	30.0	243.8	61.5	18.52		
-63.0	12.09	-31.5	161.9	0.0	882.5	31.5	216.6	63.0	16.53		
-61.5	13.53	-30.0	183.6	1.5	891.8	33.0	191.7	64.5	14.72		
-60.0	15.22	-28.5	207.4	3.0	894.4	34.5	169.1	66.0	13.13		

Optical Parameter (Distance=2.160m) :

Diffuse angle: @ (25%) : 58.5deg @ (50%) : 38.5deg @ (75%) : 24.4deg @ (50%) : 38.5deg
 Diffuse angle: @ (25%) : 58.8deg @ (50%) : 38.9deg @ (75%) : 24.9deg @ (50%) : 38.9deg
 I_{max}=894.8cd (C=0.0deg, G=3.5deg) C0-180Plane I_{max}= 894.8cd (G=3.5deg)
 C0-180Plane I₀= 882.5cd

Average Illuminance Figure

