

SHELL ECO

Tool free open and moving gear plate for easy maintenance

LED Street Lighting



Number of LEDs and Lighting Flux 8 to 100

From 1075 to 25290 lumens

Cool white 5000K
Neutral white 4000K
Warm white 3000K

SHELL ECO Mini PRO: 8 to 36 LEDs, power from 10 to 80W
SHELL ECO Midi PRO: from 40 to 64 LEDs, power from 40W to 140W
SHELL ECO Maxi PRO: from 72 to 96 LEDs, power from 150W to 205W

SHELL ECO

CHARACTERISTIC

A Housing is made of very corrosion resistant high pressure die-casting aluminum with polyester powder coated treatment passed 1000hours ISO9227 salt spray testing. Standard color: sand RAL7022. Any other colors on request.

B Toughened glass with very high light transmission to optimize the light output ratio. Glass is fixed to frame with metal clips and can easily be replaced.

C Spigot made of high pressure die-casting aluminum, standard in Ø48 and Ø60 side entry only. Universal post top/side entry spigot for Ø48, Ø60 and Ø76 are available with extra cost.

D Stainless steel bracket to secure the cover, making the LED module and gear tray safely accessible from below.

E High pressure die-casting aluminum clip for toolless opening or closing, fixed to the frame with stainless steel spring for easy maintenance.

F Tool-less removable high resistant plastic gear plate after disconnecting the plug. The LED driver will start reducing the light output when the LEDs approach a critical temperature. The temperature is measured via a sensor placed on the PCB (function available on customer request)
Surge Protection: 10KV and 20KV on customer request.

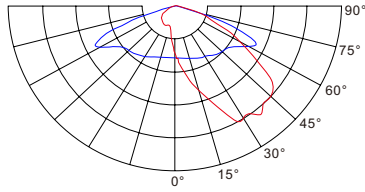
G Silicon gasket and embedded vent caps guarantee IP66 for complete luminaire.

H Cable connection M20 ventilation cable gland with strain relief.

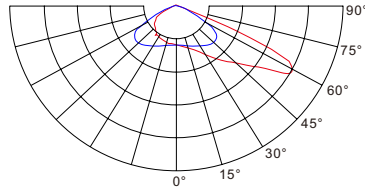


LED module can be 28 to 100 LEDs.
Bubble Level facilitates installation. Optional NEMA socket is adapted.

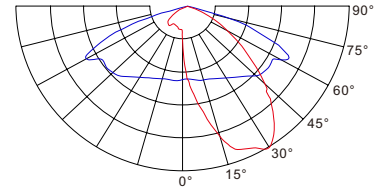




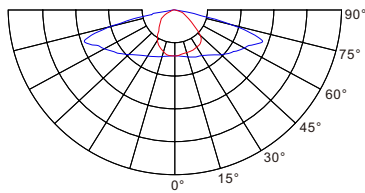
M1



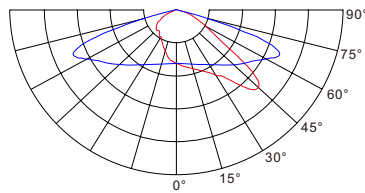
M6



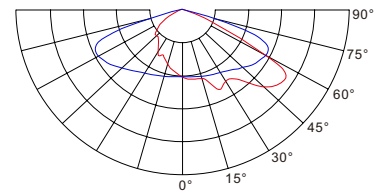
R3



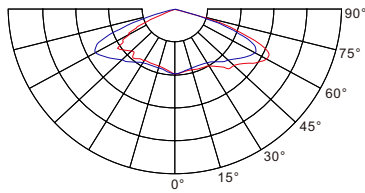
Type I



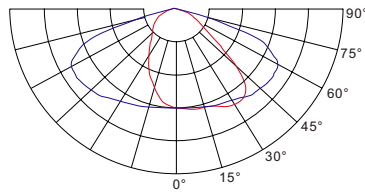
Type II



Type III



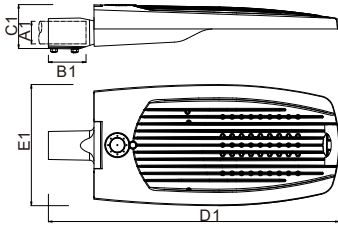
Type V



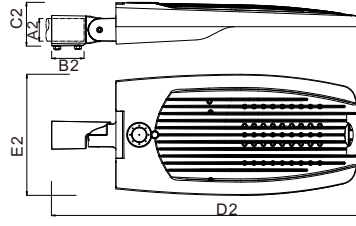
VB

Lighting Classes \ Optics*	S6	S5	S4	S3	S2	S1	ME6	ME5	ME4	ME3	ME2	ME1
I	●	●	●	●			●	●	●	●		
II		●	●	●	●	●	●	●	●	●	●	●
III				●	●	●	●	●	●	●	●	●
V	●	●	●	●	●	●	●					
M1					●	●				●	●	●
M6		●	●	●						●	●	
VB					●	●			●	●	●	●
R3				●	●	●		●	●	●	●	●

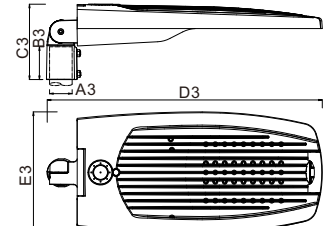
* Typical 8 distributions for the most lighting scenes, customized distributions of combo-optics are available on special request.



	Dimensions(mm)				
	A1	B1	C1	D1	E1
ECO Mini	∅48	90	92	473	190
	∅60	90	98	505	190
ECO Midi	∅48	90	112	631	295
	∅60	90	119	663	295
ECO Maxi	∅48	90	111	740	321
	∅60	90	117	772	321



	Dimensions(mm)				
	A2	B2	C2	D2	E2
ECO Mini	∅48	90	92	555	190
	∅60	90	97	555	190
	∅76	135	107	605	190
ECO Midi	∅48	90	112	713	295
	∅60	90	119	713	295
	∅76	135	129	763	295
ECO Maxi	∅48	90	110	821	321
	∅60	90	115	821	321
	∅76	135	125	872	321



	Dimensions(mm)				
	A3	B3	C3	D3	E3
ECO Mini	∅48	90	181	459	190
	∅60	90	181	465	190
	∅76	135	231	475	190
ECO Midi	∅48	90	203	617	295
	∅60	90	203	623	295
	∅76	135	253	633	295
ECO Maxi	∅48	90	200	726	321
	∅60	90	200	732	321
	∅76	135	250	742	321

SHELL ECO family configurations and parameters

LED Quantity	Current (mA)	Power consumpt* (W)	Nominal Initial Flux(lm)**		
			WW	NW	CW
08	350	10.5	1075	1130	1175
	530	14.5	1550	1630	1690
	700	19.5	1975	2075	2155
12	350	14.5	1610	1695	1755
	530	22	2325	2440	2535
	700	30	3100	3115	3230
16	350	19	2145	2255	2335
	530	28	3080	3240	3360
	700	37	3895	4100	4245
20	350	23	2665	2800	2905
	530	35	3840	4040	4185
	700	45	4900	5150	5345
24	350	27	3205	3375	3495
	530	41	4610	4850	5025
	700	53	5795	6100	6315

LED Quantity	Current (mA)	Power consumpt* (W)	Nominal Initial Flux(lm)**		
			WW	NW	CW
28	350	30	3820	4020	4165
	530	47	5375	5655	5860
	700	62	6810	7165	7425
32	350	35	4225	4445	4605
	530	53	6075	6390	6620
	700	70	7665	8065	8355
36	350	40	4780	5030	5210
	530	59	6800	7155	7415
	700	79	8570	9015	9345
40	350	43	5265	5540	5740
	530	65	7510	7900	8185
	700	87	9405	9895	10255
48	350	51	6410	6740	6985
	530	78	9215	9695	10045
	700	104	11570	12175	12615

LED Quantity	Current (mA)	Power consumpt* (W)	Nominal Initial Flux(lm)**		
			WW	NW	CW
56	350	61	7650	8050	8340
	530	93	10720	11280	11685
	700	123	13715	14430	14950
60	350	64	8005	8420	8725
	530	97	11470	12070	12505
	700	130	14360	15110	15655
64	350	68	8510	8955	9275
	530	103	12080	12710	13165
	700	137	15190	15985	16560
72	350	76	9520	10020	10380
	530	116	13595	14310	14820
	700	153	16950	17835	18475
80	350	84	10520	11070	11465
	530	128	14940	15725	16285
	700	175	19390	20400	21135
96	350	100	12500	13330	13625
	530	153	17800	19000	19405
	700	210	22810	24000	24865
100	350	105	13000	13885	14170
	530	160	18500	19950	20165
	700	215	23200	24000	25290

*Ambient temperature: 25°C power tolerance: +- 5%

**Lumen tolerance: +- 7%



Option: Side entry spigot with ∅60, ∅48.
Universal spigot with ∅76, ∅60, ∅48.