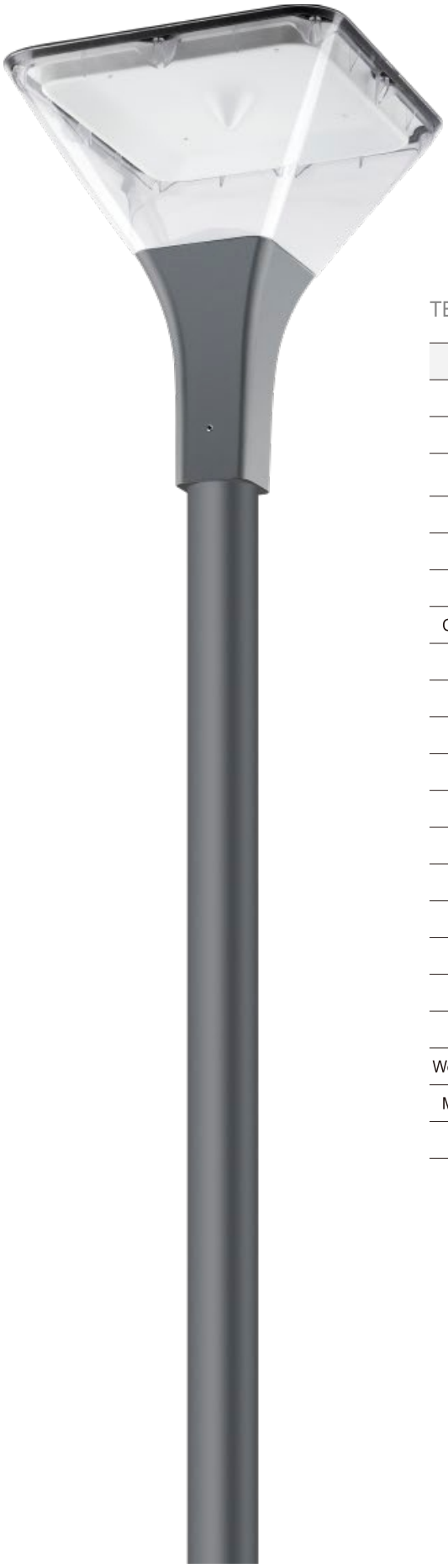
KML

MAKE THE WORLD BRIGHTER

GARDEN LIGHTING CATALOGUE 2025 (choice)

KeMeiLai Optoelectronic Co., Ltd

Square 1



TECHNICAL SPECIFICATIONS

Item	Square 1	
Power	30W	50w
Efficiency	3030:>110lm/w 5050:>148lm/w	
Lumen output	≥3000lm ≥4200lm	≥5000lm ≥7000lm
Led chips	Philips lumileds 3030	
CRI	≥70	
Life span	50,000hrs at Ta=25deg, L70/B10	
Color Temperature	2700K-6500K	
Optic lens	PC Lenses	
Driver	Philips Xi-EP series (Meanwell/Inventronic/Osram upon request)	
Input Voltage	100~305 VAC (Depending on driver model) 47~63 Hz	
Power factor	>95%	
THD	<10%	
Protection level	CLASS I	
SPD	10KV (optional 20KV or other)	
Housing	aluminum by die-casting	
Finish	powder coating	
IP Rating	IP66	
IK Rating	IK10	
Working Temperature	-30°C ~ + 65°C	
Mounting diameter	Ø76mm	
Warranty	5 years	

Square 1

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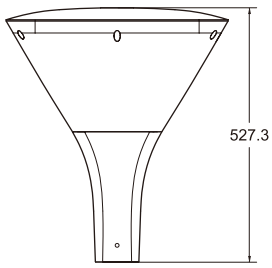
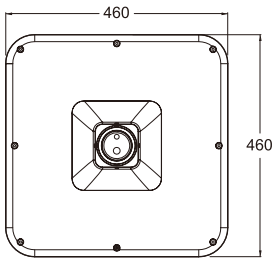
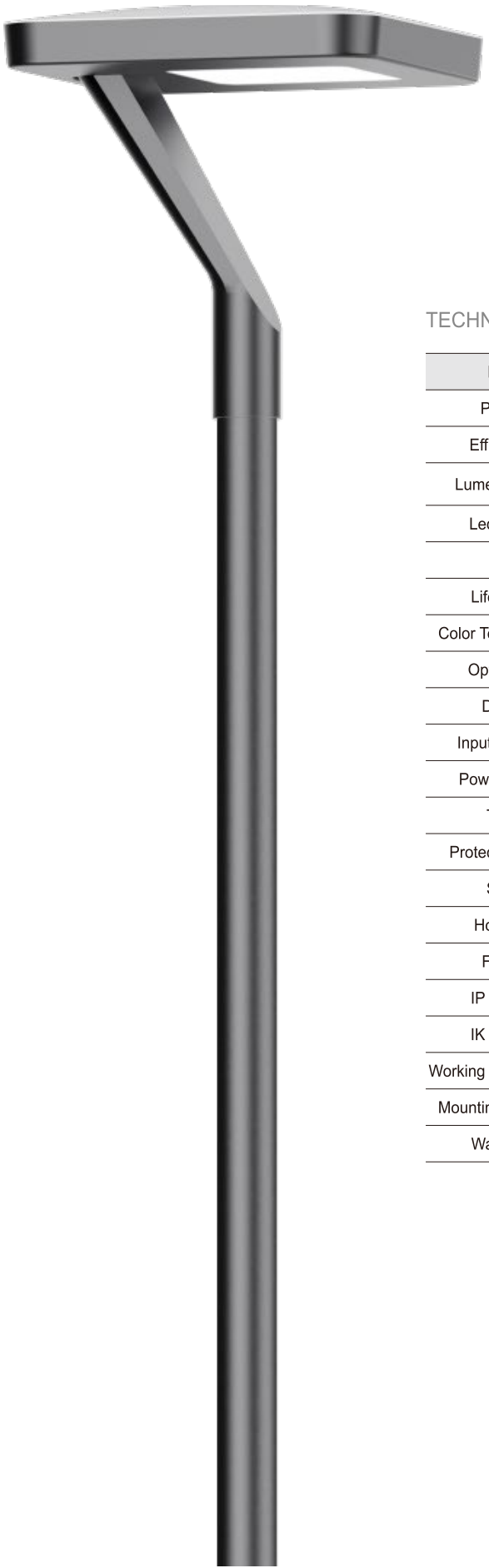




Power(W)	Temperature color	Luminous Flux of the luminaire(lm) -4000k(T=85℃)	CRI	Input voltage
30W	3000-6500K	3540	>70	100-305Vac
50W	3000-6500K	6220	>70	100-305Vac

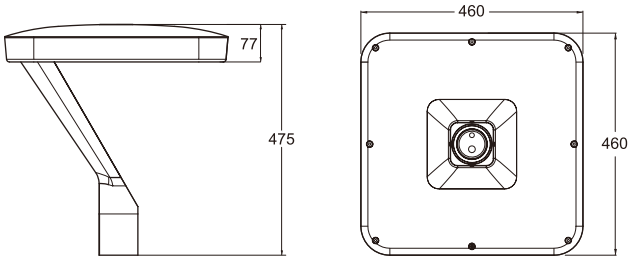
Square 4



TECHNICAL SPECIFICATIONS

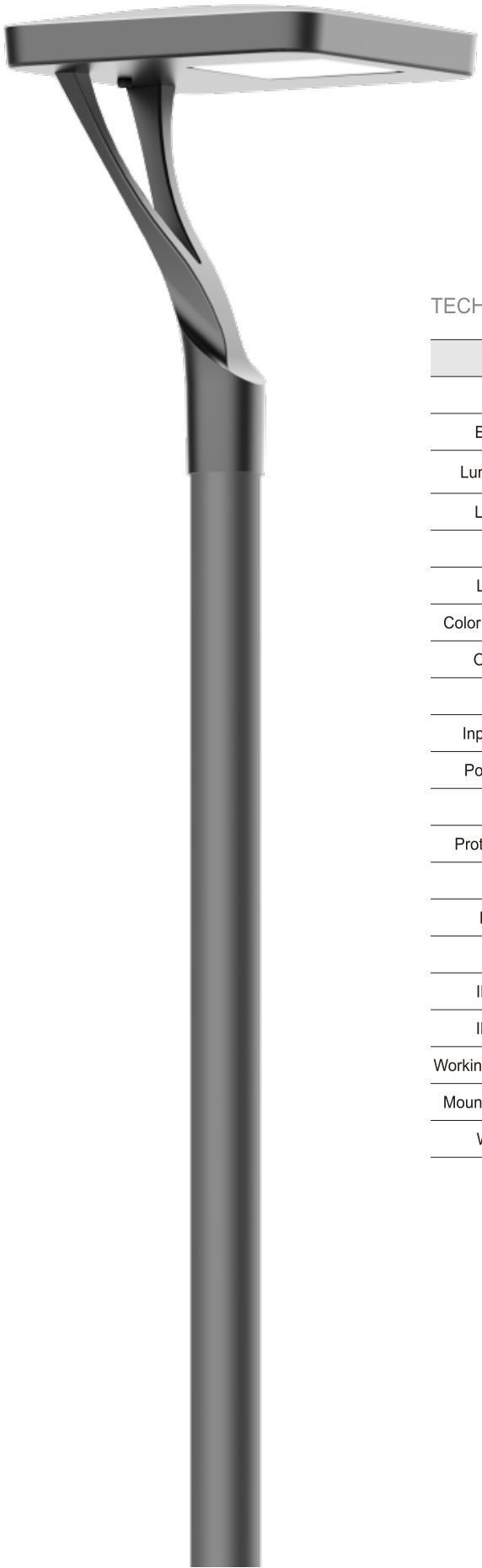
Item	Square 4			
Power	30W	50w	70w	100w
Efficiency	3030:>110lm/w 5050:>148lm/w			
Lumen output	≥3000lm ≥4200lm	≥5000lm ≥7000lm	≥7000lm ≥9800lm	≥10000lm ≥14000lm
Led chips	Philips lumileds 3030			
CRI	≥70			
Life span	50,000hrs at Ta=25deg, L70/B10			
Color Temperature	2700K-6500K			
Optic lens	PC Lenses			
Driver	Philips Xi-EP series (Meanwell/Inventronic/Osram upon request)			
Input Voltage	100~305 VAC (Depending on driver model) 47~63 Hz			
Power factor	>95%			
THD	<10%			
Protection level	CLASS I			
SPD	10KV (optional 20KV or other)			
Housing	aluminum by die-casting			
Finish	powder coating			
IP Rating	IP66			
IK Rating	IK10			
Working Temperature	-30°C ~ + 65°C			
Mounting diameter	Ø60mm			
Warranty	5 years			

Square 4 *MAKE THE WORLD BRIGHTER*



Power(W)	Temperature color	Luminous Flux of the luminaire(lm) -4000k(T=85℃)	CRI	Input voltage
30W	3000-6500K	3540	>70	100-305Vac
50W	3000-6500K	6220	>70	100-305Vac
70W	3000-6500K	8420	>70	100-305Vac
100W	3000-6500K	12880	>70	100-305Vac

Square 5



TECHNICAL SPECIFICATIONS

Item	Square 5			
Power	30W	50w	70w	100w
Efficiency	3030:>110lm/w 5050:>148lm/w			
Lumen output	≥3000lm ≥4200lm	≥5000lm ≥7000lm	≥7000lm ≥9800lm	≥10000lm ≥14000lm
Led chips	Philips lumileds 3030			
CRI	≥70			
Life span	50,000hrs at Ta=25deg, L70/B10			
Color Temperature	2700K-6500K			
Optic lens	PC Lenses			
Driver	Philips Xi-EP series (Meanwell/Inventronic/Osram upon request)			
Input Voltage	100~305 VAC (Depending on driver model) 47~63 Hz			
Power factor	>95%			
THD	<10%			
Protection level	CLASS I			
SPD	10KV (optional 20KV or other)			
Housing	aluminum by die-casting			
Finish	powder coating			
IP Rating	IP66			
IK Rating	IK10			
Working Temperature	-30°C ~ + 65°C			
Mounting diameter	Ø76mm			
Warranty	5 years			

Square 5

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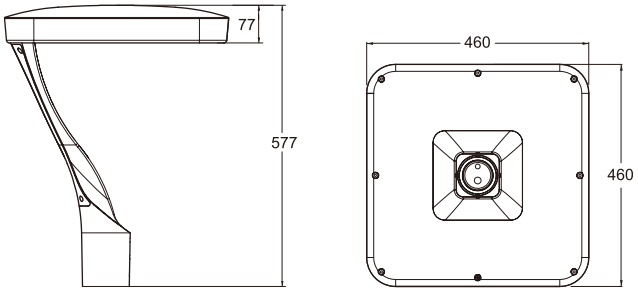
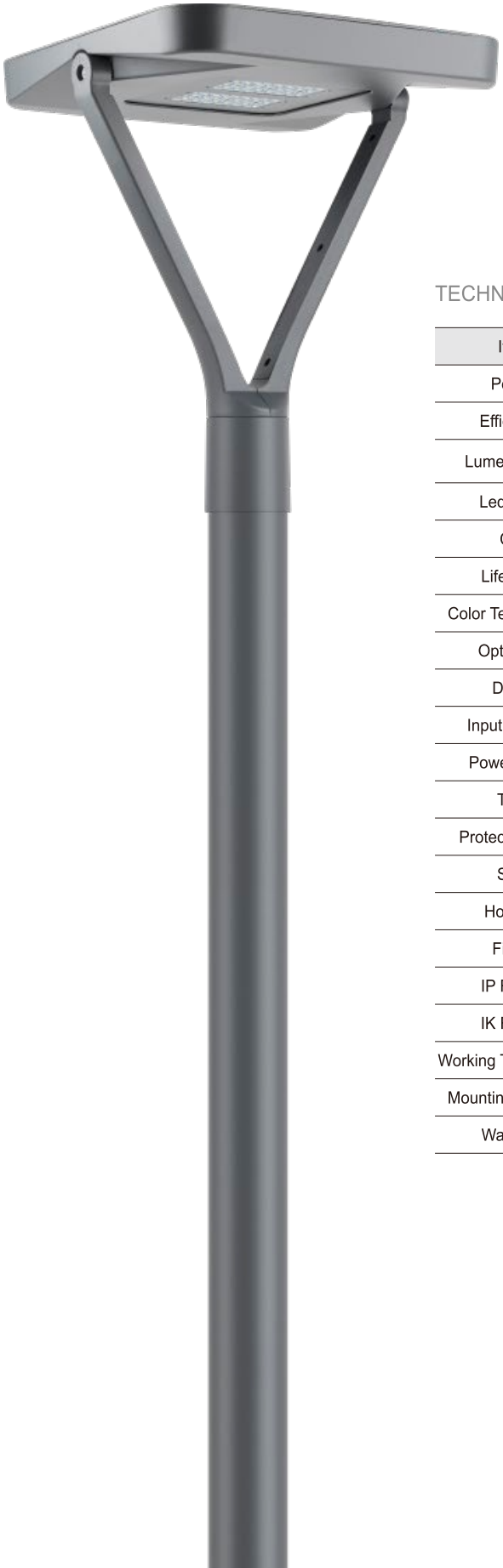


Power(W)	Temperature color	Luminous Flux of the luminaire(lm) -4000k(T=85℃)	CRI	Input voltage
30W	3000-6500K	3540	>70	100-305Vac
50W	3000-6500K	6220	>70	100-305Vac
70W	3000-6500K	8420	>70	100-305Vac
100W	3000-6500K	12880	>70	100-305Vac

Square 6



TECHNICAL SPECIFICATIONS

Item	Square 6			
Power	30W	50w	70w	100w
Efficiency	3030:>110lm/w 5050:>148lm/w			
Lumen output	≥3000lm ≥4200lm	≥5000lm ≥7000lm	≥7000lm ≥9800lm	≥10000lm ≥14000lm
Led chips	Philips lumileds 3030			
CRI	≥70			
Life span	50,000hrs at Ta=25deg, L70/B10			
Color Temperature	2700K-6500K			
Optic lens	PC Lenses			
Driver	Philips Xi-EP series (Meanwell/Inventronic/Osram upon request)			
Input Voltage	100~305 VAC (Depending on driver model) 47~63 Hz			
Power factor	>95%			
THD	<10%			
Protection level	CLASS I			
SPD	10KV (optional 20KV or other)			
Housing	aluminum by die-casting			
Finish	powder coating			
IP Rating	IP66			
IK Rating	IK10			
Working Temperature	-30°C ~ + 65°C			
Mounting diameter	Ø76mm			
Warranty	5 years			

Square 6

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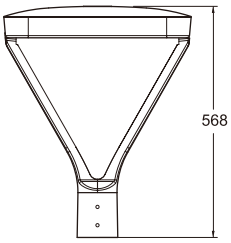
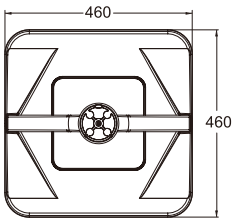
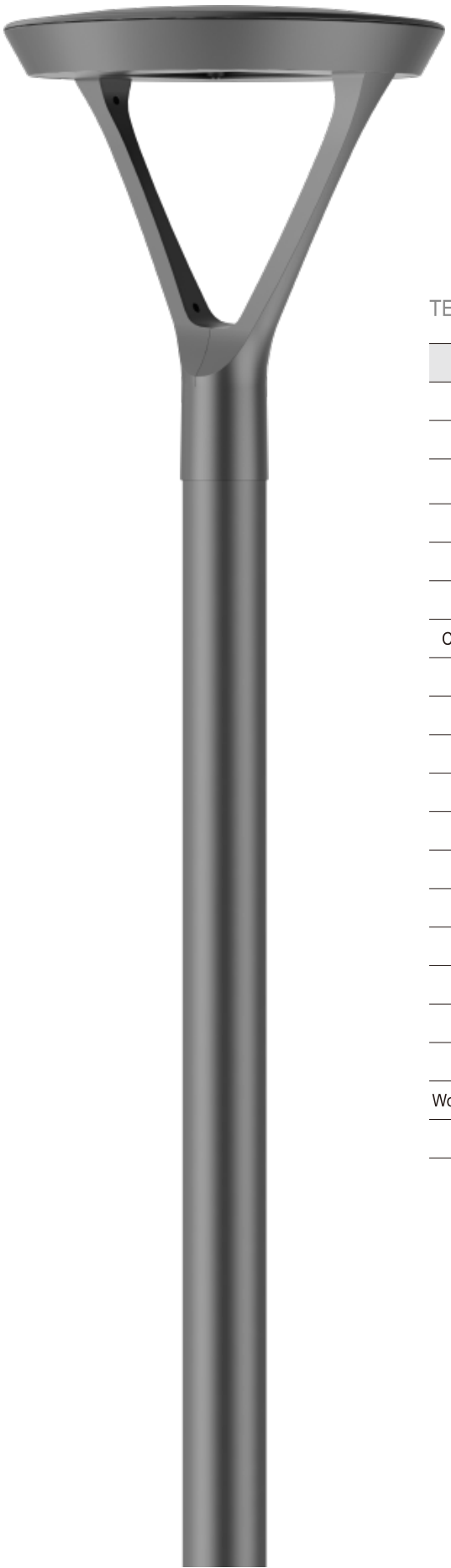




Power(W)	Temperature color	Luminous Flux of the luminaire(lm) -4000k(T=85℃)	CRI	Input voltage
30W	3000-6500K	3540	>70	100-305Vac
50W	3000-6500K	6220	>70	100-305Vac
70W	3000-6500K	8420	>70	100-305Vac
100W	3000-6500K	12880	>70	100-305Vac
150W	3000-6500K	18600	>70	100-305Vac
200W	3000-6500K	26800	>70	100-305Vac

SKY 6



TECHNICAL SPECIFICATIONS

Item	Sky 6 MINI / Sky 6 MAX					
Power	30W	50w	70w	100w	150W	200W
Efficiency	3030:>110lm/w 5050:>148lm/w					
Lumen output	≥3000lm ≥4200lm	≥5000lm ≥7000lm	≥7000lm ≥9800lm	≥10000lm ≥14000lm	≥21000lm	≥28000lm
Led chips	Philips lumileds 3030					
CRI	≥70					
Life span	50,000hrs at Ta=25deg, L70/B10					
Color Temperature	2700K-6500K					
Optic lens	PC Lenses					
Driver	Philips Xi-EP series (Meanwell/Inventronic/Osram upon request)					
Input Voltage	100~305 VAC (Depending on driver model) 47~63 Hz					
Power factor	>95%					
THD	<10%					
Protection level	CLASS I					
SPD	10KV (optional 20KV or other)					
Housing	aluminum by die-casting					
Finish	powder coating					
IP Rating	IP66					
IK Rating	IK10					
Working Temperature	-30°C ~ + 65°C					
Warranty	5 years					

SKY 6

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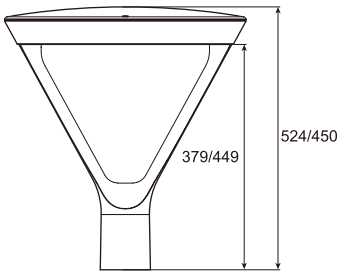

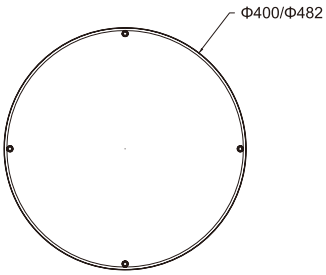

Power(W)	Temperature color	Luminous Flux of the luminaire(lm) -4000k(T=85℃)	CRI	Input voltage
30W	3000-6500K	3540	>70	100-305Vac
50W	3000-6500K	6220	>70	100-305Vac
70W	3000-6500K	8420	>70	100-305Vac
100W	3000-6500K	12880	>70	100-305Vac
150W	3000-6500K	18600	>70	100-305Vac
200W	3000-6500K	26800	>70	100-305Vac

Ston D

TECHNICAL SPECIFICATIONS

Product Name:	Ston D
Power:	100W/120W/150W
Supply voltage range:	100-305VAC
Temperature range:	-25℃ /+55℃
Light guiding system:	PC lenses
Light source:	LUXEON 3030-2D//CREE-XTE
Luminous intensity class:	Symmetrical:G2/Asymmetrical:G1
Glare index class:	D6
Colour temperature:	3000K,4500K,6000K
Colour Rendering Index:	CRI≥70
System efficacy:	Luxeon:113lm/w Gree-XTE:119.8lm/w GREE XP-G3:121lm/w
LED Lifetime:	MIN 60.000hours
Power Efficiency:	92%
Gurrent Adjustment Range:	100W 1.33-2.66A /150W 2.1-4.17A
Lightning protection:	Ground 10KV/Ungrounded 10KV
Housing material:	Die-cast aluminum
Sealing material:	Silicone rubber
Cover material:	Tempered glass
Housing colour:	Light Grey.Dark Grey.Black(or specified color)
Wind resistance:	0.144m²
Protection class:	IP66
Safety class:	Class II
Shock protection:	IK10
Corrosion resistance:	C5
Mounting diameter option:	Ø60mm
Suggested mounting height:	5-12m
Dimension(L*W*H):	Ø521mm,L*H:728mm
Net weight:	10kgs

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LED chips: 3030

No.LED	Current	Connected load (W)	Temperature color	Luminous Flux of the luminaire(lm) -4000k(T=85℃)	CRI
108	350ma	38	3000-6500K	5400	>70
	700ma	75	3000-6500K	9450	>70
	800ma	90	3000-6500K	10170	>70
144	350ma	50	3000-6500K	7200	>70
	700ma	100	3000-6500K	12600	>70
	800ma	120	3000-6500K	13560	>70
192	350ma	67	3000-6500K	9600	>70
	700ma	133	3000-6500K	16800	>70
	800ma	160	3000-6500K	18080	>70

Ston E

TECHNICAL SPECIFICATIONS

Product Name:	Ston D
Power:	100W/120W/150W
Supply voltage range:	100-305VAC
Temperature range:	-25℃ /+55℃
Light guiding system:	PC lenses
Light source:	LUXEON 3030-2D//CREE-XTE
Luminous intensity class:	Symmetrical:G2/Asymmetrical:G1
Glare index class:	D6
Colour temperature:	3000K,4500K,6000K
Colour Rendering Index:	CRI≥70
System efficacy:	Luxeon:113lm/w Gree-XTE:119.8lm/w GREE XP-G3:121lm/w
LED Lifetime:	MIN 60.000hours
Power Efficiency:	92%
Gurrent Adjustment Range:	100W 1.33-2.66A /150W 2.1-4.17A
Lightning protection:	Ground 10KV/Ungrounded 10KV
Housing material:	Die-cast aluminum
Sealing material:	Silicone rubber
Cover material:	Tempered glass
Housing colour:	Light Grey.Dark Grey.Black(or specified color)
Wind resistance:	0.144m²
Protection class:	IP66
Safety class:	Class II
Shock protection:	IK10
Corrosion resistance:	C5
Mounting diameter option:	Ø60mm
Suggested mounting height:	5-12m
Dimension(L*W*H):	Ø521mm,L*H:728mm
Net weight:	10kgs

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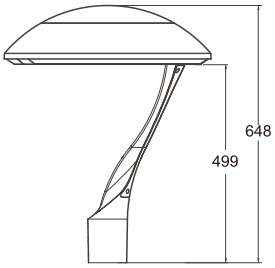
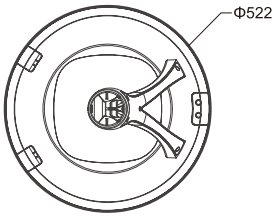
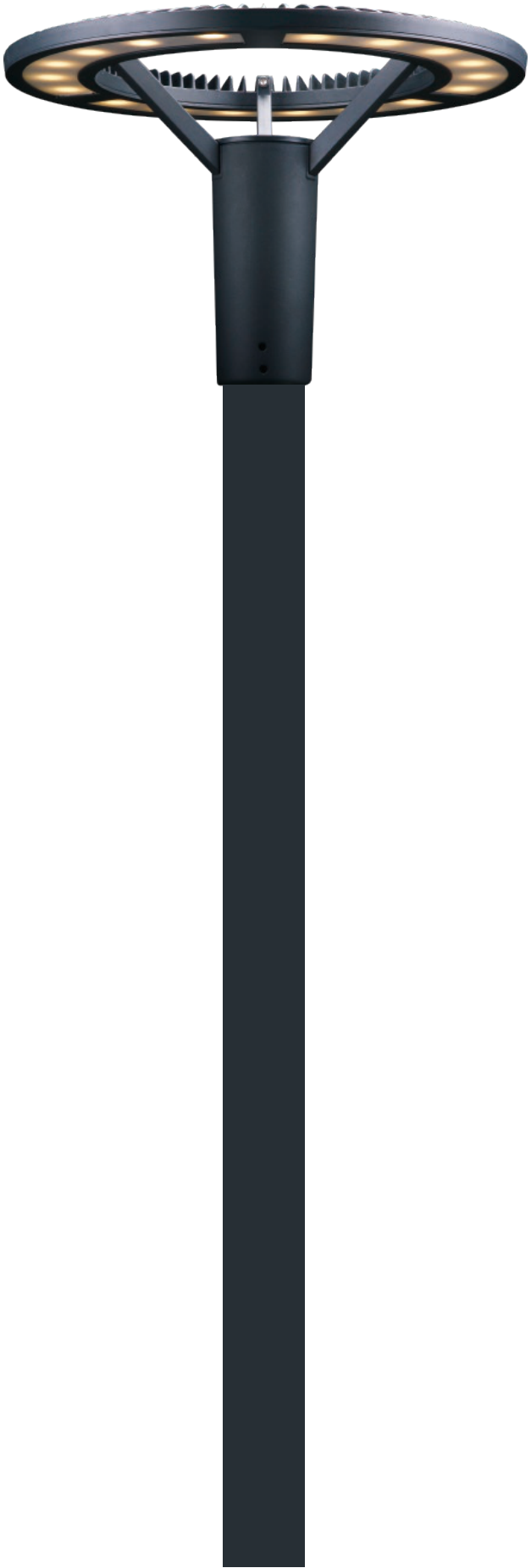




LED chips: 3030

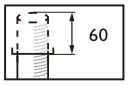
No.LED	Current	Connected load (W)	Temperature color	Luminous Flux of the luminaire(lm) -4000k(T=85℃)	CRI
108	350ma	38	3000-6500K	5400	>70
	700ma	75	3000-6500K	9450	>70
	800ma	90	3000-6500K	10170	>70
144	350ma	50	3000-6500K	7200	>70
	700ma	100	3000-6500K	12600	>70
	800ma	120	3000-6500K	13560	>70
192	350ma	67	3000-6500K	9600	>70
	700ma	133	3000-6500K	16800	>70
	800ma	160	3000-6500K	18080	>70

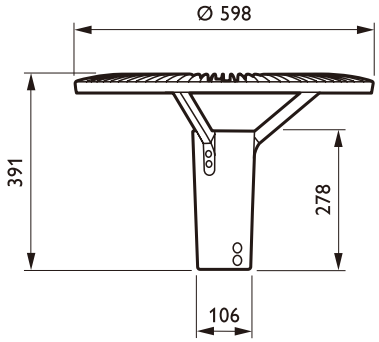
Sala



TECHNICAL SPECIFICATIONS

Product Name:	Sala
Power:	75W
Supply voltage range:	100-305VAC
Temperature range:	-25℃ /+55℃
Light source:	LUXEON 3030-2D//CREE-XTE
Luminous intensity class:	Symmetrical:G2/Asymmetrical:G1
Glare index class:	D6
Colour temperature:	3000K,4500K,6000K
Colour Rendering Index:	≥70RA
System efficacy:	"73.3lm/w(Reflected by the reflector to the light effect of the road.)"
LED Lifetime:	MIN 100,000hours at 25℃
Power Efficiency:	89%
Gurrent Adjustment Range:	1.33-2.66A
Voltage adjustment Range:	32.4-39.6V
Lightning protection:	Ground 10KV/Ungrounded 10KV
Service life:	MIN 50.000 hours
Housing material:	Die-cast aluminum
Sealing material:	Silicone rubber
Cover material:	PC
Housing colour:	Light Grey.Dark Grey.Black(or specified color)
Wind resistance:	0.079m²
Protection class:	IP66
Safety class:	Class II
Shock protection:	IK 09
Corrosion resistance:	C5
Mounting diameter option:	Ø60-76mm
Suggested mounting height:	3-7m
Dimension(L*W*H):	Ø598*391mm
Net weight:	7kgs





LED chips: 3030

power(W)	Temperature color	Luminous Flux of the luminaire(lm) -4000k(T=85℃)	CRI	Input voltage
30	3000-6500K	3840	>70	100-305Vac
40	3000-6500K	4760	>70	100-305Vac
50	3000-6500K	5600	>70	100-305Vac
60	3000-6500K	6540	>70	100-305Vac