

LED STREET LIGHTS

Urban roads Star



SAVE ENERGY FOR TOMORROW



Product Benefits

- Light efficiency up to 192 lm/w
- Up to 100, 000hrs @ L70, low maintenance
- cost
- World class, approbated quality components (LEDs /Driver /etc.)
- Six mounting options, post top, pendant, suspension, side entry and etc Smooth body would greatly diminish dust and bird droppings accumulation 5 years warranty

Areas of application

- Lighting of roads
- Docks
- Bridges
- Parks Residential area



Super smooth body design

Optical lens Tempered glass

Circular design elegant and unique

170 LM/W

IP66

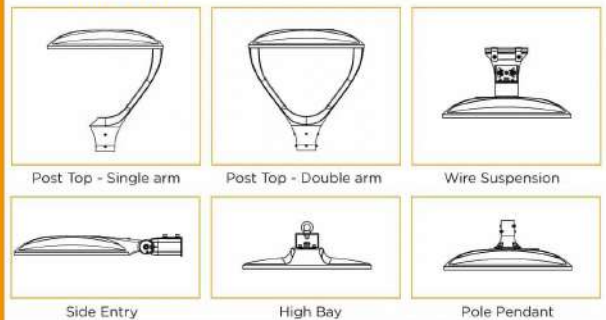
IK10

0(1)-10V

10KV

5 YEARS WARRANTY

Mounting Type



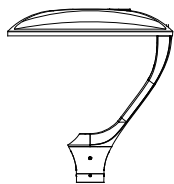
Intelligent control system solution



LED STREET LIGHTS



Product Datasheet



PT1: Post Top - Single arm

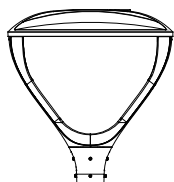
Order Reference

FH-ST20-30 PT1

Post Top - Single arm

Model No		FH-ST20-30PT1	FH-ST20-30PT1*	FH-ST20-50PT1	FH-ST20-50PT1*	FH-ST20-80PT1
Nominal Wattage		30W	30W	50W	50W	80W
3030 Version	Effic Lumen	145 lm /w 4350 lm	160 lm /w 4800 lm	145 lm /w 7250 lm	160 lm /w 8000 lm	145 lm /w 11600 lm
5050 Version	Effic Lumen	150 lm /w 4500 lm	-- --	150 lm /w 7500 lm	-- --	150 lm /w 12000 lm
Ultra Version <small>(Only valid for CCT 4000K)</small>	Effic Lumen	175 lm /w 5250 lm	-- --	175 lm /w 8750 lm	-- --	173 lm /w 13840 lm
Model No		FH-ST20-80PT1*	FH-ST20-100PT1	FH-ST20-100PT1*	FH-ST20-120PT1	FH-ST20-150PT1
Nominal Wattage		80W	100W	100W	120W	150W
3030 Version	Effic Lumen	155 lm /w 12400 lm	135 lm /w 13500 lm	150 lm /w 15000 lm	140 lm /w 16800 lm	135 lm /w 20250 lm
5050 Version	Effic Lumen	-- --	145 lm /w 14500 lm	-- --	145 lm /w 17400 lm	145 lm /w 21750 lm
Ultra Version <small>(Only valid for CCT 4000K)</small>	Effic Lumen	-- --	170 lm /w 17000 lm	-- --	174 lm /w 20880 lm	167 lm /w 25050 lm

- Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.
- Luminous efficacy values are different when the same model with different optical lenses.
- Values shown are subject to ±5% tolerance.
- Model No with "*" means high efficiency version



PT2: Post Top - Double arm

Order Reference

FH-ST20-30 PT2

Model No		FH-ST20-30PT2	FH-ST20-30PT2*	FH-ST20-50PT2	FH-ST20-50PT2*	FH-ST20-80PT2
Nominal Wattage		30W	30W	50W	50W	80W
3030 Version	Effic Lumen	135 lm /w 4050 lm	155 lm /w 4650 lm	140 lm /w 7000 lm	155 lm /w 7750 lm	135 lm /w 10800 lm
5050 Version	Effic Lumen	145 lm /w 4350 lm	-- --	145 lm /w 7250 lm	-- --	145 lm /w 11600 lm
Ultra Version <small>(Only valid for CCT 4000K)</small>	Effic Lumen	169 lm /w 5070 lm	-- --	169 lm /w 8450 lm	-- --	167 lm /w 13360 lm
Model No		FH-ST20-80PT2*	FH-ST20-100PT2	FH-ST20-100PT2*	FH-ST20-120PT2	FH-ST20-150PT2
Nominal Wattage		80W	100W	100W	120W	150W
3030 Version	Effic Lumen	145 lm /w 11600 lm	130 lm /w 13000 lm	145 lm /w 14500 lm	135 lm /w 16200 lm	130 lm /w 19500 lm
5050 Version	Effic Lumen	-- --	140 lm /w 14000 lm	-- --	140 lm /w 16800 lm	140 lm /w 21000 lm
Ultra Version <small>(Only valid for CCT 4000K)</small>	Effic Lumen	-- --	164 lm /w 16400 lm	-- --	168 lm /w 20160 lm	161 lm /w 24150 lm

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- Luminous efficacy values are different when the same model with different optical lenses.
- Values shown are subject to ±5% tolerance.
- Model No with "*" means high efficiency version

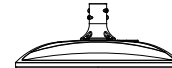
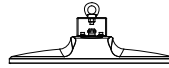
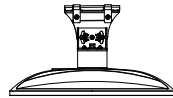
Product Datasheet

SE: Side Entry

WS: Wire Suspension

HB: High Bay

PP: Pole Pendant

Order Reference
ZGSM-ST20-30

Side Entry | Wire Suspension | High Bay | Pole Pendant

Model No		FH-ST20-30 <input type="checkbox"/>	FH-ST20-30 <input type="checkbox"/>	FH-ST20-50 <input type="checkbox"/>	FH-ST20-50 <input type="checkbox"/>	FH-ST20-80 <input type="checkbox"/>
Nominal Wattage		30W	30W	50W	50W	80W
3030 Version	Effic Lumen	150 lm /w 4500 lm	170 lm /w 5100 lm	155 lm /w 7750 lm	170 lm /w 8500 lm	150 lm /w 12000 lm
5050 Version	Effic Lumen	155 lm /w 4650 lm	-- --	160 lm /w 8000 lm	-- --	155 lm /w 12400 lm
Ultra Version (Only valid for CCT 4000K)	Effic Lumen	181 lm /w 5430 lm	189 lm /w 5670 lm	187 lm /w 9350 lm	192 lm /w 9600 lm	179 lm /w 14320 lm
Model No		FH-ST20-80 <input type="checkbox"/>	FH-ST20-100 <input type="checkbox"/>	FH-ST20-100 <input type="checkbox"/>	FH-ST20-120 <input type="checkbox"/>	FH-ST20-150 <input type="checkbox"/>
Nominal Wattage		80W	100W	100W	120W	150W
3030 Version	Effic Lumen	165 lm /w 13200 lm	145 lm /w 14500 lm	160 lm /w 16000 lm	145 lm /w 17400 lm	145 lm /w 21750 lm
5050 Version	Effic Lumen	-- --	155 lm /w 15500 lm	-- --	150 lm /w 18000 lm	150 lm /w 22500 lm
Ultra Version (Only valid for CCT 4000K)	Effic Lumen	187 lm /w 14960 lm	182 lm /w 18200 lm	186 lm /w 18600 lm	180 lm /w 21600 lm	173 lm /w 25950 lm

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- Luminous efficacy values are different when the same model with different optical lenses.
- Values shown are subject to ±5% tolerance.
- Model No with "*" means high efficiency version

Electrical Data:

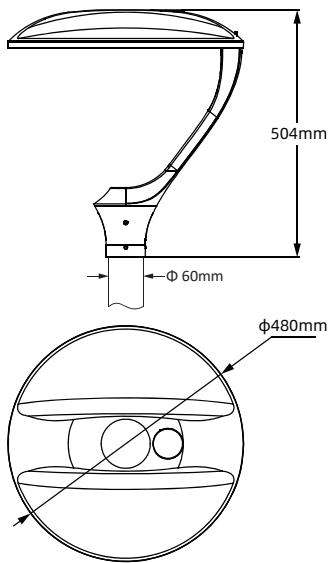
Nominal Voltage	AC 100-240V /277V 50 /60Hz
LED	Lumileds /Other brands on request
Driver	Inventronics /Other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV (available on request)
Optics	Type II, Type III, TYPE V
CRI	Ra>70 (Default) / Ra>80
CCT	1800K, 2200K, 2700K, 3000K, 4000K, 5000K, 5700K, 6500K

General Data

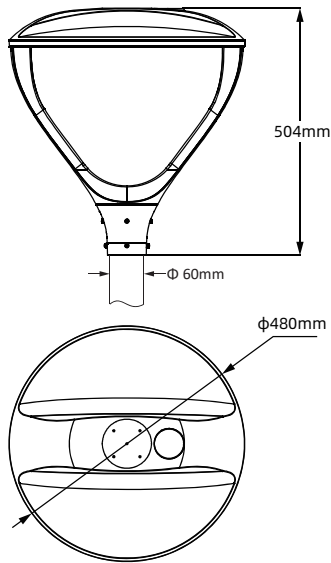
Body Material	High pressure die-cast aluminum
Housing Color	Gray (RAL9007) /Other Colors on request
Cover Material	Tempered glass
Lens Material	UV-resistant Polycarbonate
Working Environment	-40°C ~ +50°C, 10% ~90%RH
Lifespan L70 at 25 °C	>100, 000 h
Mounting Type	Post Top Pole Pendant Wire Suspension Side Entry
Dimmable	1-10V Dimming (Default) /Timer Dimming /DALI Dimming
Protection Class	Class I (Default) /Class II
Standards	CE, RoHS, ENEC , CB, LM79, LM80, TM-21, IP66, IK08/IK10, Zhaga-D4i
Available on request	NEMA socket (3/5/7pin), ZHAGA socket, Short cap, Photocell, Motion sensor, NTC, OLC, Solar Compatible, Smart Controller

Product Information

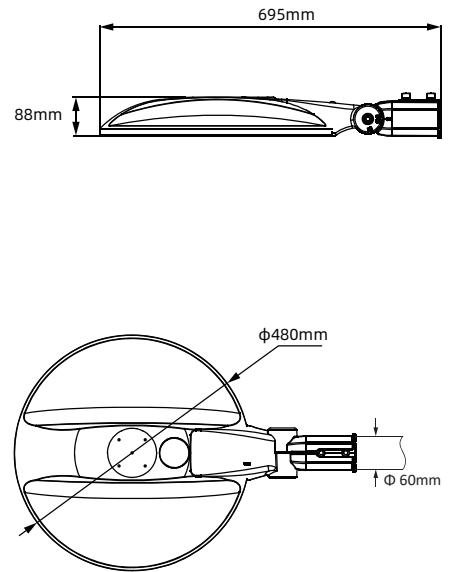
PT1: Post Top - Single arm



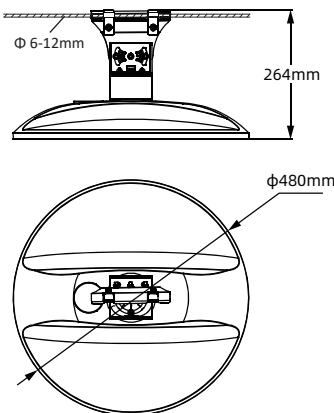
PT2: Post Top - Double arm



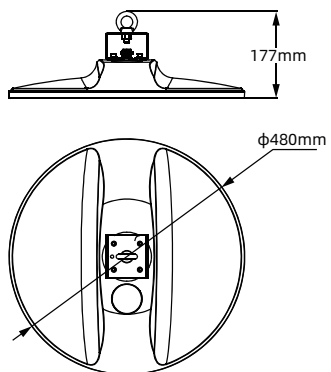
SE: Side Entry



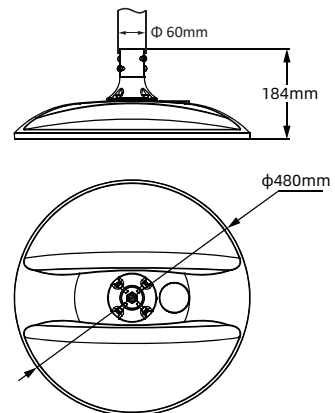
WS: Wire Suspension



HB: High Bay



PP: Pole Pendant

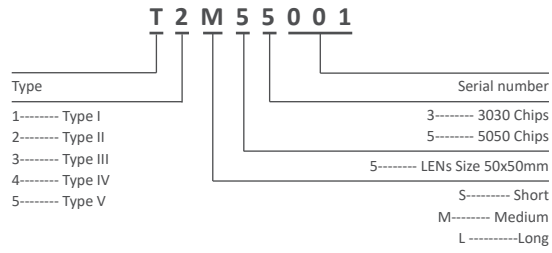


Version	Packing Type	Fixture Dimension (mm)	Package Dimension (mm)	Fixture Weight (kg)	Package Weight (kg)
Post Top - Single arm	1 unit / ctn	480 x480 x504	495*495*170	6.8	7.8
Post Top - Double arm	1 unit / ctn	480 x480 x504	495*495*170	7.2	8.2
Pole Pendant	1 unit / ctn	480 x480 x184	495*495*170	6.0	7.0
Wire Suspension	1 unit / ctn	480 x480 x264	495*495*170	6.9	7.9
High Bay	1 unit / ctn	480 x480 x177	495*495*170	6.3	7.3
Side Entry	1 unit / ctn	695 x480 x88	495*495*170	6.8	7.8

Product Datasheet

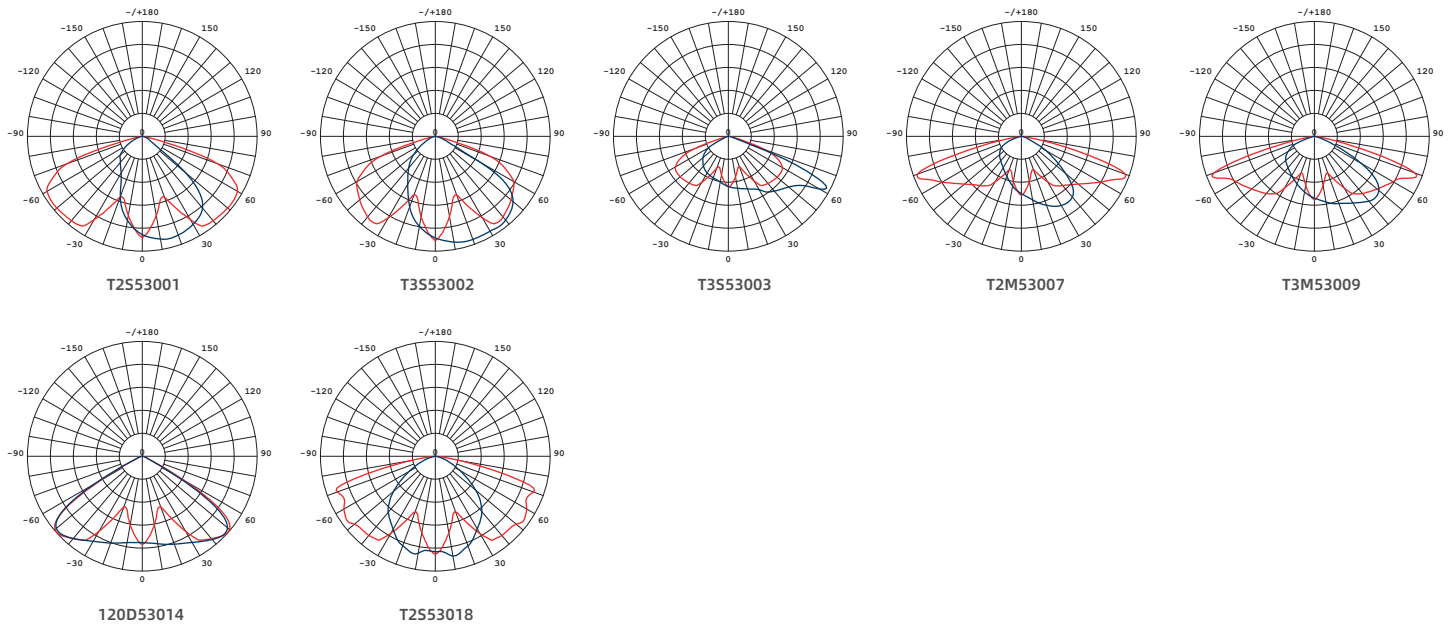
Light Distributions

Order reference

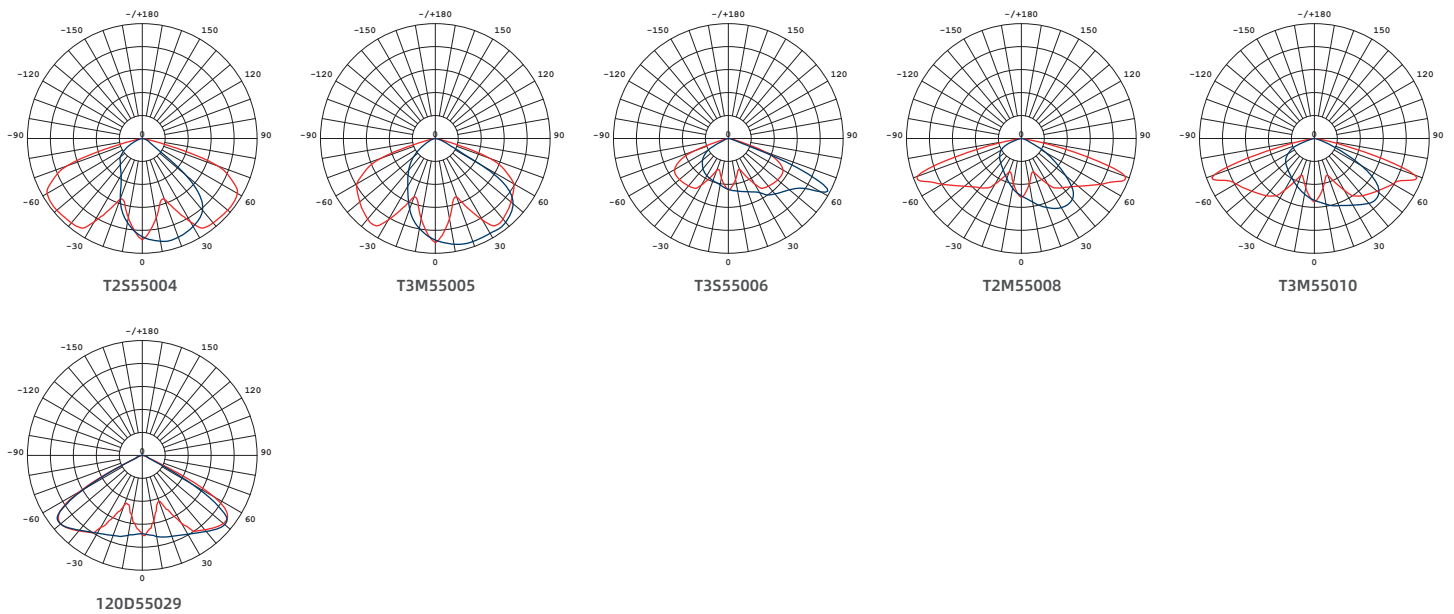


Post Top - Single arm

3030 Version



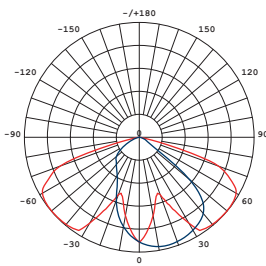
5050 Version



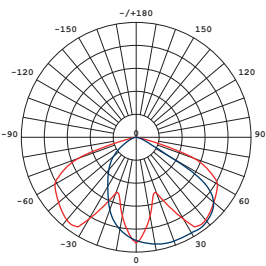
Product Datasheet

Post Top - Double arm

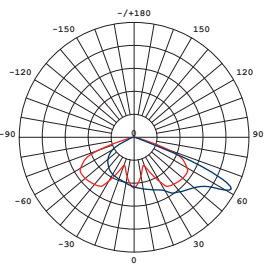
3030 Version



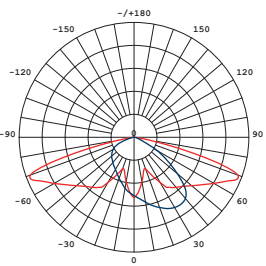
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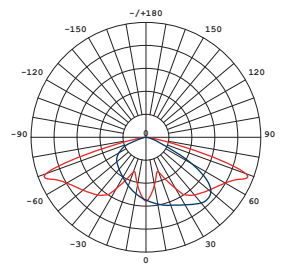
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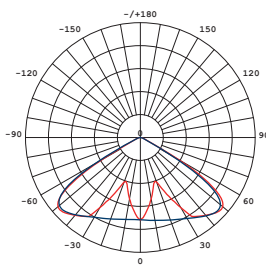
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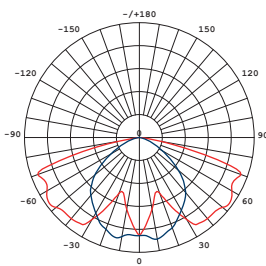
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T3M53009

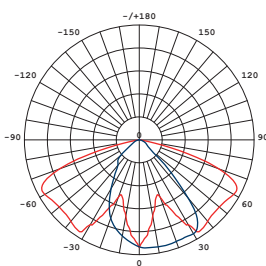


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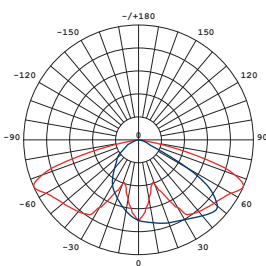


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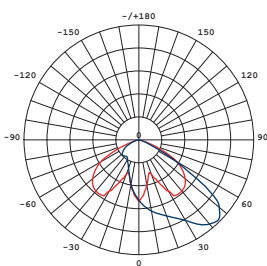
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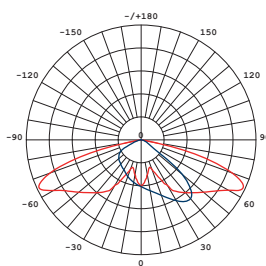
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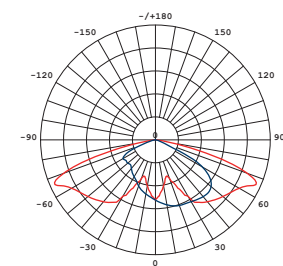
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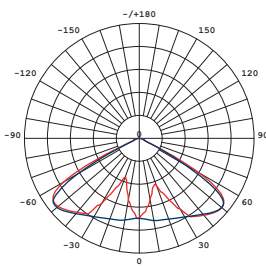
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T2M55008



T3M55010

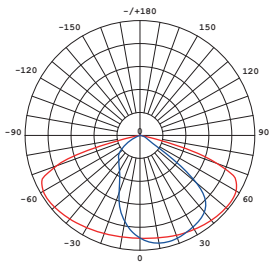


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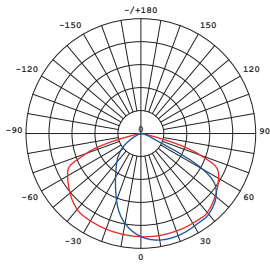
Product Datasheet

Side Entry | Wire Suspension | High Bay | Pole Pendant

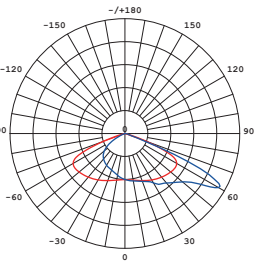
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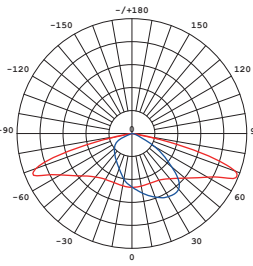
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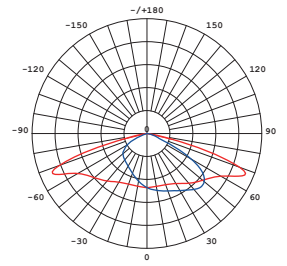
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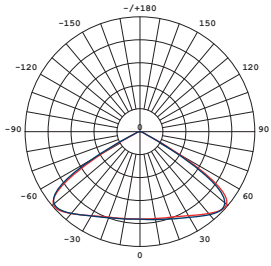
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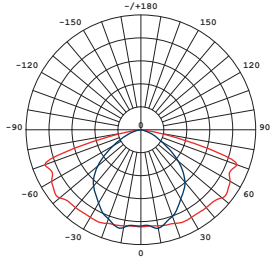
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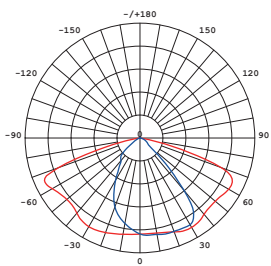


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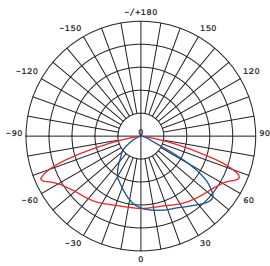


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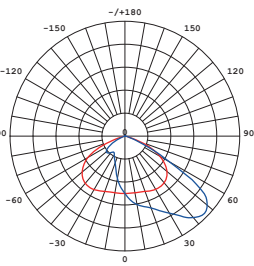
5050 Version



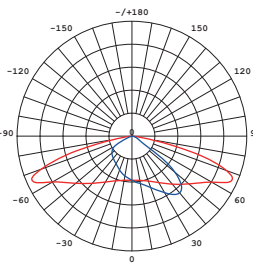
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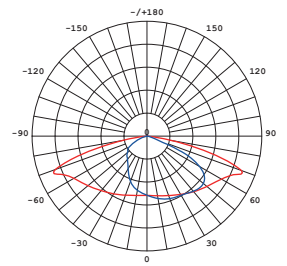
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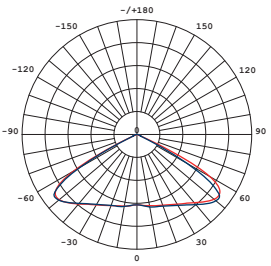
T3555006



T2M55008



T3M55010



T20D55029

Optional accessories



Photocell



Short Cap



NEMA Socket
(3 / 5 / 7pin)



Motion Sensor



Smart Controller



ZHAGA Socket



"80-60mm"



"60-40mm"



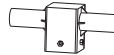
Square to round



"T" Type



"L" Type



"2" in "1"



"4" in "1"

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 **FHsolar&led Ibérica[®]**

Soluciones Energéticas Renovables

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