

Area Light Series

What are the best strategies for improving the livability of a city at night through lighting?
 Area lighting has always played a role of prime importance in safer driving and crime prevention. Exposure to light also has other consequences which go beyond these albeit highly valid considerations, first and foremost the emotive and social effects which need to be taken into consideration in order to improve the quality of lighting. Lighting can contribute by strengthening the experience of the image at night, thus encouraging people to remain interacting with each other, as well as promoting socialisation within the urban community.

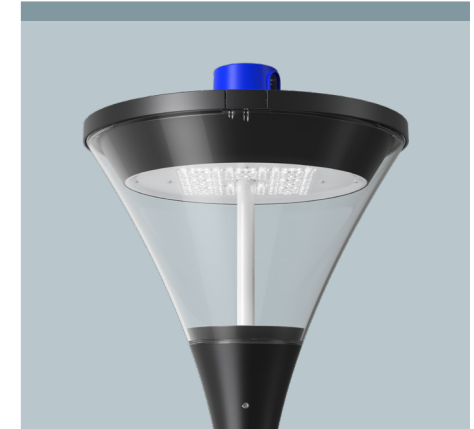
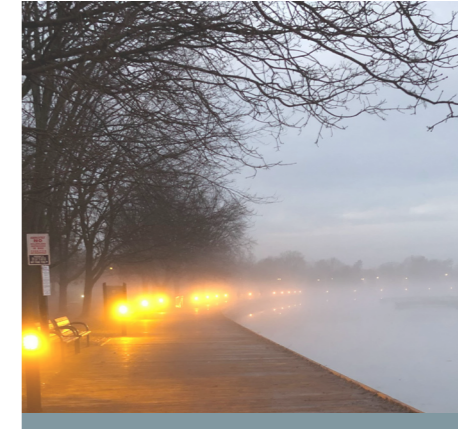


- Applications
- Streets
 - Roads
 - Pathways
 - Parks
 - Buildings
 - Bridges

More and more people are moving from rural areas to urban areas, resulting in urbanization. Lighting should be considered as it is critical to both social and economic progress. Lighting allows city dwellers to perform normally at night as well as during the day. Great area lighting creates an attractive landscape as well as a safe and enjoyable public environment.

However, the rapidly increasing population also puts pressure on the ecological system, making it even more difficult to balance the relationship between area lighting and environmental protection. Light pollution should be avoided as it affects not only the environment but also biodiversity. For this reason, attention should be paid to both the inhabitants and the environment in area lighting.

Area Light Series



Naka 03 Post Top

The Naka 03 LED post top design brings an architectural style, as well as a desired organic look to an area, site and urban environments. Professional optics provide the desired effect, managing glare while providing high levels of visibility. The smooth curvature effectively prevents the accumulation of dust and leaves.



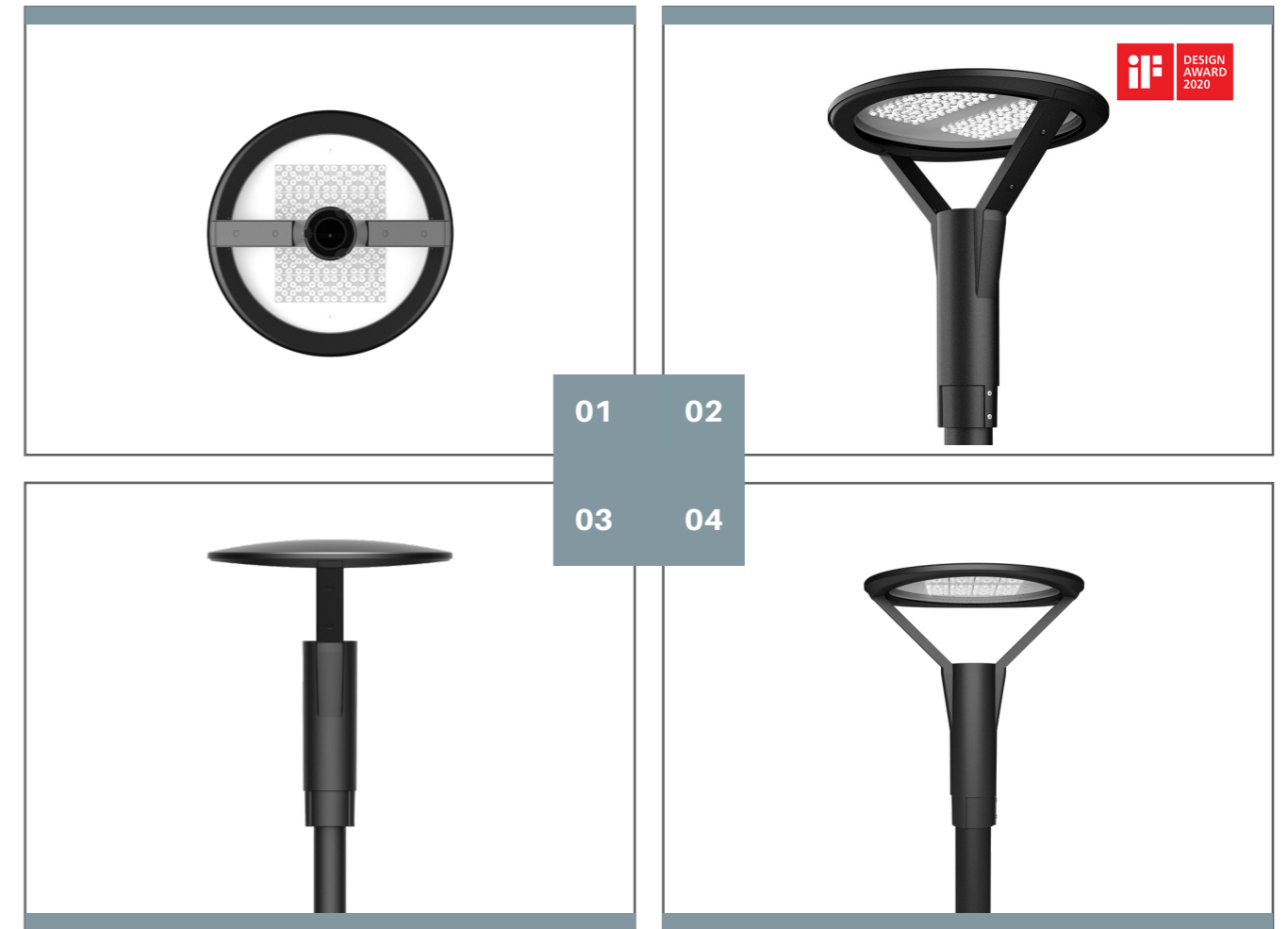
Applications
Recreational
Parking lots
Pathways
Parks
Perimeter
Gardens

Contemporary, architectural design,
elegant appearance
Smooth housing without any exposed screws
Lumen packages ranging from
4,800 - 12,000lm
100-240VAC 50/60Hz,
277-480V
IK08, IP66 rated
φ60mm & φ76mm mount available

Area, site and pedestrian scale
applications
Asymmetrical and symmetrical beam
angle options
Life hours: (LM79/TM21)
60,000hrs L90
80,000hrs L80
100,000hrs L70
6kV line-line, 10kV line-earth

Naka 03 Post Top

The Naka 03 post top is a beautiful, modern post top with smooth curvature that prevents accumulation of leaves or dust. The modern architectural design creates clean smooth lines. The fitting has excellent heat dissipation.



CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)
PT2N/04050003	40	4,800	450*450*526
PT2N/06050003	60	7,200	450*450*526
PT2N/07550003	75	9,000	450*450*526
PT2N/10050003	100	12,000	450*450*526



Naka 52 Post Top

A perfect combination of aesthetics & technology, the Naka 52 LED post top follows the trend of urban differentiation with smooth curvature. The clear and full rounded PC cover helps to eliminate blind spots caused by lamp arms, bringing safety and attractiveness to the urban space. Its various control options maximise the latest in intelligence.

High luminous efficiency version direct lighting - Light is distributed from the top of luminaire through the transparent PC cover making full use of the light output, system efficacy up to 140LM/W.

Low UGR version indirect lighting - The light source is placed at the bottom of the luminaire and the indirect light is reflected by the curved reflector.



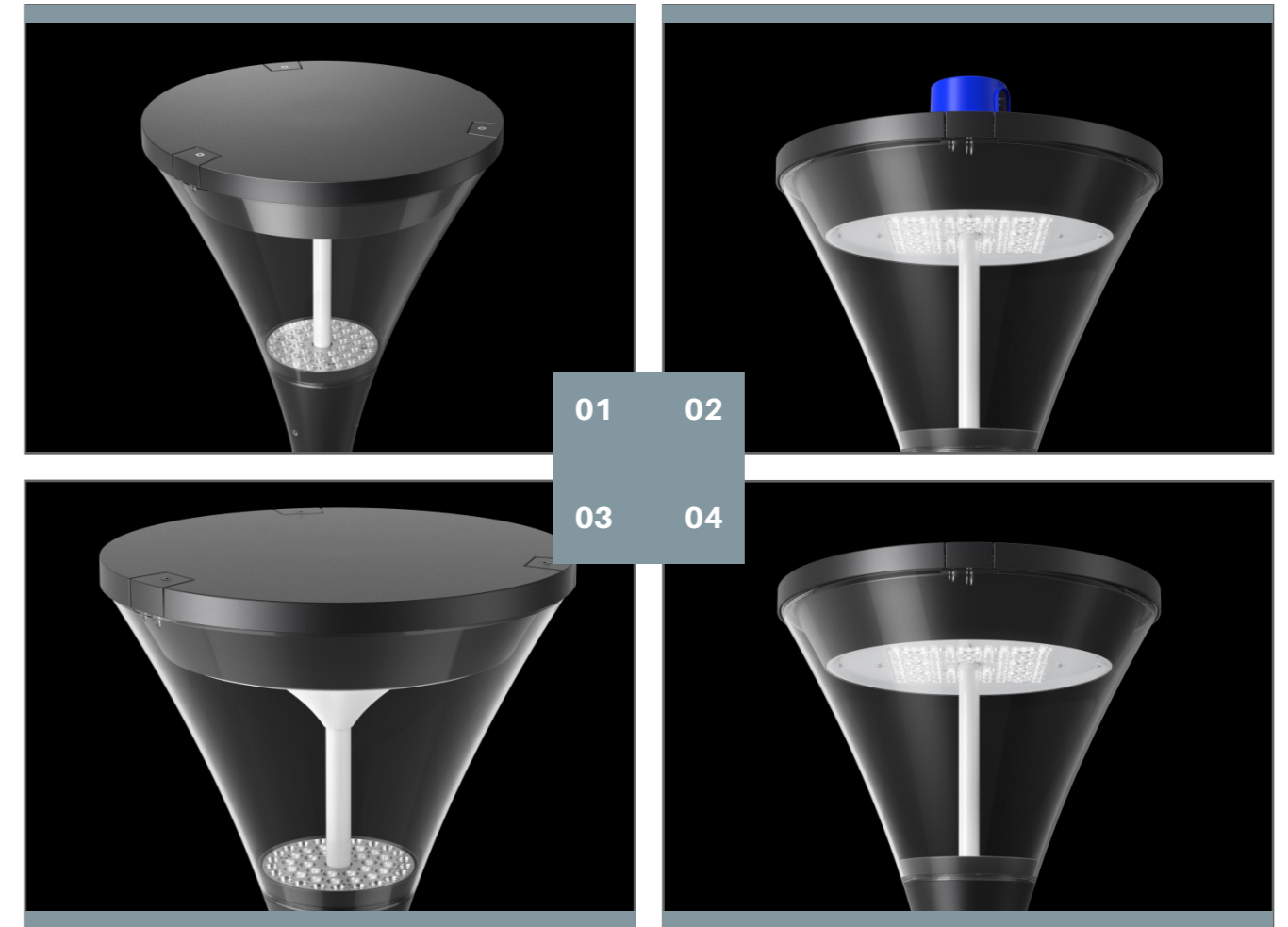
Applications
Recreational
Parking lots
Pathways
Parks
Perimeter
Gardens

Contemporary, architectural design, elegant appearance
Black (RAL9017)
100-240V 50/60Hz
Professional optics provide an excellent effect, managing glare while providing a high level of visibility

IK09, IP66 rated
Φ60mm post top mount available
Area, site and pedestrian scale application
Life hours: (LM79/TM21)
54,000hrs-L9,
82,000hrs-L80
131,000hrs-L70

Naka 52 Post Top

The Naka 52 LED post top brings architectural style to urban areas and pedestrian applications. Professional optical technology provides the desired effect, managing glare whilst providing high levels of visibility.

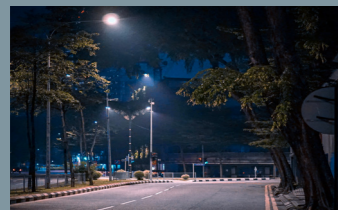


CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)
Direct Type A			
PT4N/02050052A	20	2,800	Ø371*420
PT4N/04050052A	40	5,600	Ø371*420
PT4N/06050052A	60	8,400	Ø371*420
Indirect Type B			
PT4N/02050052B	20	1,800	Ø371*420
PT4N/04050052B	40	3,600	Ø371*420



Naka 49 Solar Post Top

The Naka 49 Post Top is a fully integrated luminaire with a solar panel & battery. It is easy to install with no need for wiring, bringing a smart and durable lighting solution to areas without access to the electric grid.



Applications
Recreational
Parking lots
Pathways
Parks
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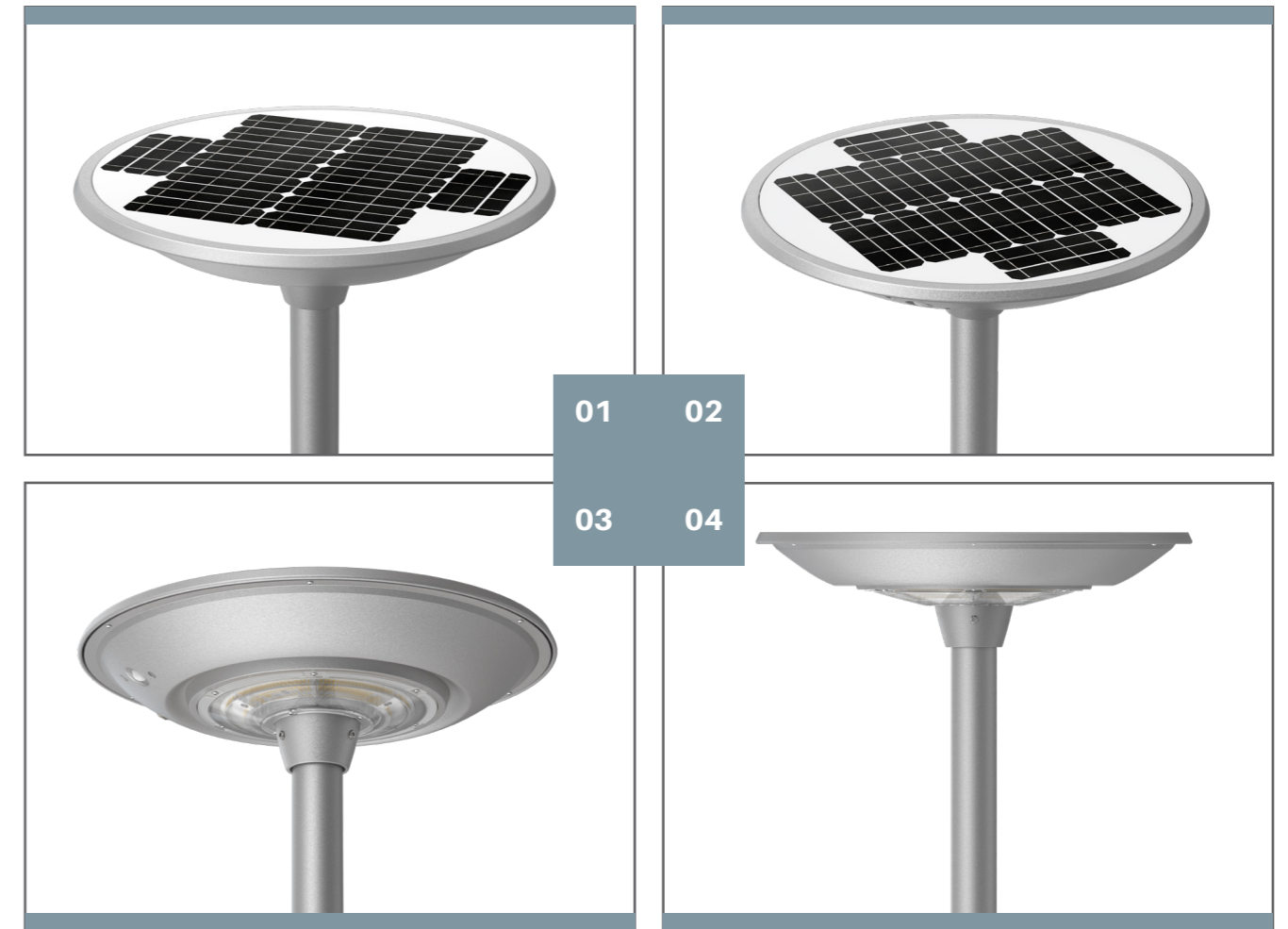
Light efficiency: High efficacy up to 130lm/w @Ra70
Solar panels: Mono-Crystalline solar panel
Operating time: normal mode with 100% brightness >8 hours, intelligent mode 3-4 days
Battery: LiFePO4 battery

Battery capacity:
10W: 76.8Wh-6Ah
20W: 153.6Wh-12Ah
30W: 230.4Wh-18Ah

IP65 & IK08 protection
Life hours: (LM79 /TM21)
31,000hrs-L90
64,000hrs-L80
101,000hrs-L70

Naka 49 Solar Post Top

The Naka 49 solar post top is a lighter weight integrated solar post top light, with three wattage options to satisfy different applications. The special optics design contributes to a comfortable visual experience. The built-in PIR sensor supports intelligent dimming control and offers longer discharge time.



CODE	POWER (W)	PANELS (W)	BATTERY CAPACITY	CHARGING TIME	LUMEN (LM)	DIMENSIONS (MM)
PTS3N/01050049	10	30	76.8Wh	>3 hrs	1,300	Ø575*151
PTS3N/02050049	20	30	153.6Wh	>6hrs	2,600	Ø575*151
PTS3N/03050049	30	30	230.4Wh	>9hrs	3,900	Ø575*151



Naka 01 Bollard

Contemporary, architectural design and elegant appearance. Professional optical technology provides the desired effect, managing glare whilst providing high levels of visibility. The Naka 01 bollard has a smooth housing without any exposed screws.



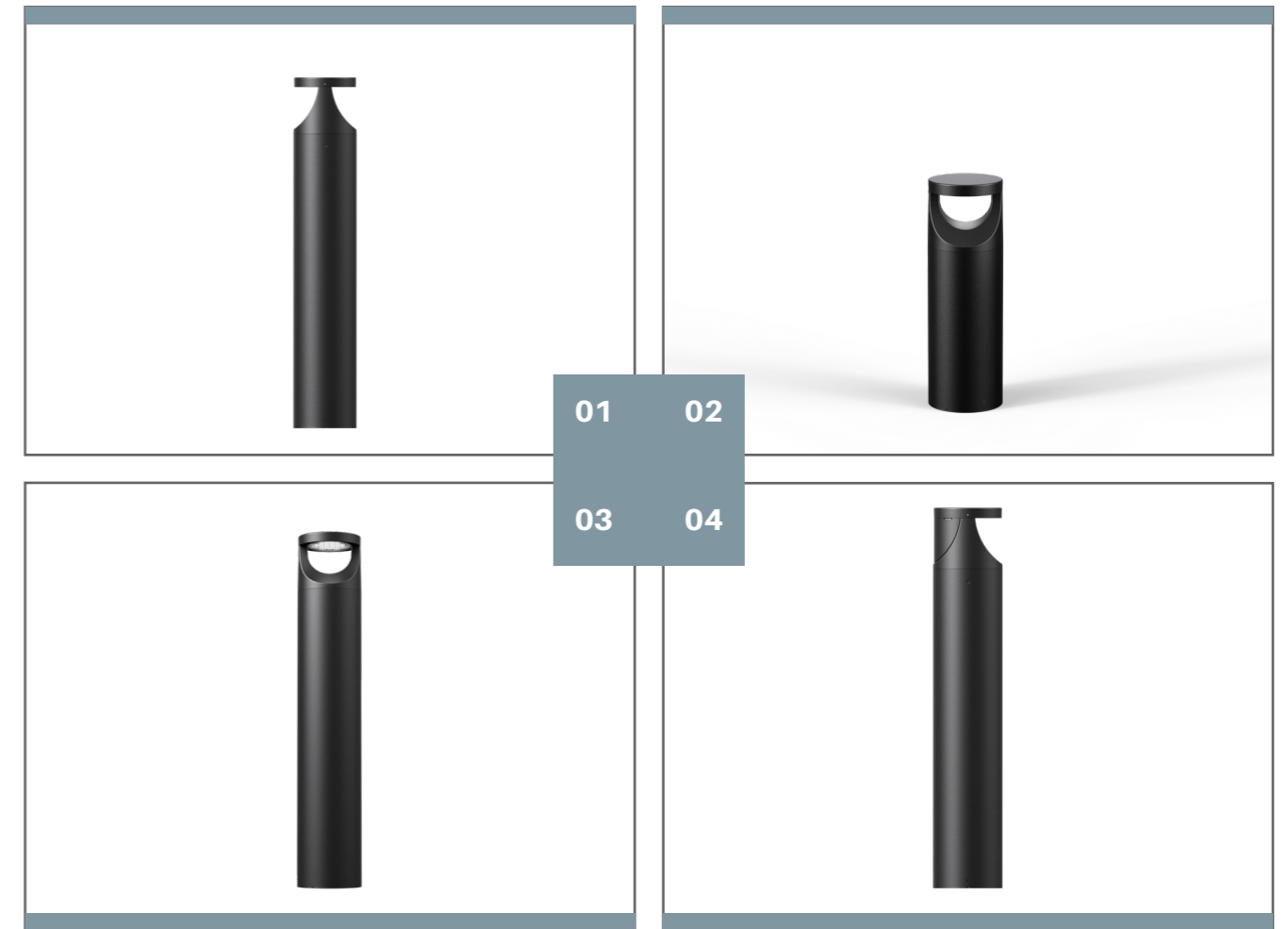
Applications
Recreational
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Gardens

14W and 24W, 90lm/w@4000k
Ra80
IP66
IK10
Professional Type IV / Type V light distribution
500mm and 900mm heights optional
DALI or 1-10v dimmable

Visor is available as an accessory
Life hours: (LM79 /TM21)
37,843 hrs-L90
78,516 hrs-L80
124,627 hrs-L70

Naka 01 Bollard

The Naka 01 bollard design brings an architectural style, as well as a desired organic look to an area, site or urban environment. Professional optics provide an excellent effect, managing glare while providing high levels of visibility.



CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)
BOL1N/014**01A	14	1,260	Ø165*500
BOL1N/024**01A	24	2,160	Ø165*500
BOL1N/014**01B	14	1,260	Ø165*900
BOL1N/024**01B	24	2,160	Ø165*900



Naka 03 Bollard

The Naka 03 bollard is a slim designed urban luminaire for new construction or retrofit applications. The elegant clean housing with 360° surround-lighting makes the Naka 03 bollard ideal for landscape lighting. High output LEDs and smart controls using a built-in motion sensor makes it more energy efficient.



Applications
Pathways
Parks
Gardens

14W/25W, system efficacy up to 130LM/W
1,690lm-3,250lm
High output lumen efficiency, up to 130lm/W
The housing is made of 100% aluminium alloy (ADC12/AL6063)
Powder coated with strong anti-corrosion properties
Easy to maintain

Indirect lighting, visual comfort
IP66 IK10 rated
360°-surround-lighting
500mm / 1,000mm heights optional

Life hours: (LM79 /TM21)
60,000hrs-L90
91,000hrs-L80
153,000hrs-L70

Naka 03 Bollard

The Naka 03 is a 360° bollard. The luminaire has great performance in both direct and indirect lighting. Lighting is distributed from the top, reflected by a special optical design. Glare is significantly reduced providing great visual comfort without compromising the required illumination.



CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)
BOL3N/014**03A	14	1,820	Ø133*475
BOL3N/025**03A	25	3,250	Ø133*475
BOL3N/014**03B	14	1,820	Ø133*975
BOL3N/025**03B	25	3,250	Ø133*975



Naka 04 Solar Bollard

The Naka 04 bollard is a fully integrated luminaire with a solar panel & battery. Its easy to install with no need for wiring, bringing a smart and durable lighting solution to areas without access to the electric grid. Only 8 hours charging will allow continuous 3 days of light-on during overcast conditions.



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High efficiency up to 420lm
Professional Type iv / Type v
lighting distribution
Long lifespan LiFePO4 battery, 8-hour
charging, working 2-3 days
Easy to install with quick connect plugs
Battery: LiFePO4 battery
Battery capacity; 38.4Wh

Solar panels; Mono-Crystalline solar panel
Solar panel wattage; 5W
Charging time; >8 hours
Operating time; normal mode
>11 hours, intelligent mode 2-3 days
IK07 & IP66
Life hours: (LM79 /TM21)
80,000hrs-L90
169,000hrs-L80
271,000hrs-L70
500mm and 900mm height optional

Naka 04 Solar Bollard

The Naka 04 bollard is an innovative LED solar bollard light with IP66, Mono-Crystalline solar panel, UV resistant PC material. It's sleek and architecturally designed appearance makes the bollard suitable for all urban landscapes.



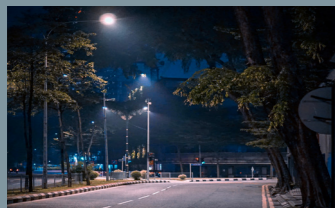
CODE	POWER (W)	PANELS (W)	BATTERY CAPACITY	CHARGING TIME	LUMEN (LM)	DIMENSIONS (MM)
BOL1N/03**004A	3	5	38,4Wh	>8 hrs	340 ~ 420	Ø230*520
BOL1N/3**004B	3	5	38,4Wh	>8hrs	340 ~ 420	Ø230*920



Rigel 10 Street Light

The Rigel 10 LED street light's slim design, is a premium street lighting solution for new construction or retrofit applications. The high output LED and PC lens provides outstanding uniformity and efficiency with a remarkable lifespan of >200,000 hrs. (L70B10)

The super smooth surface, avoids the accumulation of dust, sand or other materials, minimizing the environmental impact on the luminaire performance.



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Smart structure, top cover tilts 45° for easy maintenance
140lm/W, IP66, IK08, 10KV
Various professional optics optional
Smart control: timer control dimming, photocell, DALI system.

34mm, 42mm, 60mm, 76mm pole mount adaptor
Square, L, corner and wall amount adaptor

External vent, avoids internal fogging and frosting
Bubble level creates fast and accurate installation
ENEC, Class II are available

Life hours: (LM79/TM21)

30 ~ 150W
49,000hrs-L90
110,000hrs-L80
180,000hrs-L70

180 ~ 300W
36,000hrs-L90
83,000hrs-L80
137,000hrs-L70

Rigel 10 Street Light

The Rigel 10 offers a premium street light solution from 30W to 300W. It has a unique design including professional optics, control functions and ease of maintenance which is perfect for road and parking area lighting.

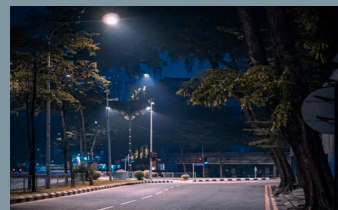


CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)
SL4N/03050010	30	4,200	649*272*179
SL4N/05050010	50	7,000	649*272*179
SL4N/07050010	70	9,800	649*272*179
SL4N/09050010	90	12,600	762*336*179
SL4N/12050010	120	16,800	762*336*179
SL4N/15050010	150	21,000	762*336*179
SL4N/18050010	180	25,200	887*378*196
SL4N/24050010	240	33,600	887*378*196
SL4N/30050010	300	42,000	887*378*196



Rigel 19 Street Light

The Rigel 19 LED streetlight is a cost effective street lighting solution for urban roads and pedestrian applications. The Rigel 19 can be pole mounted or wall mounted. The Rigel 19 is designed to last > 100,000 hrs.



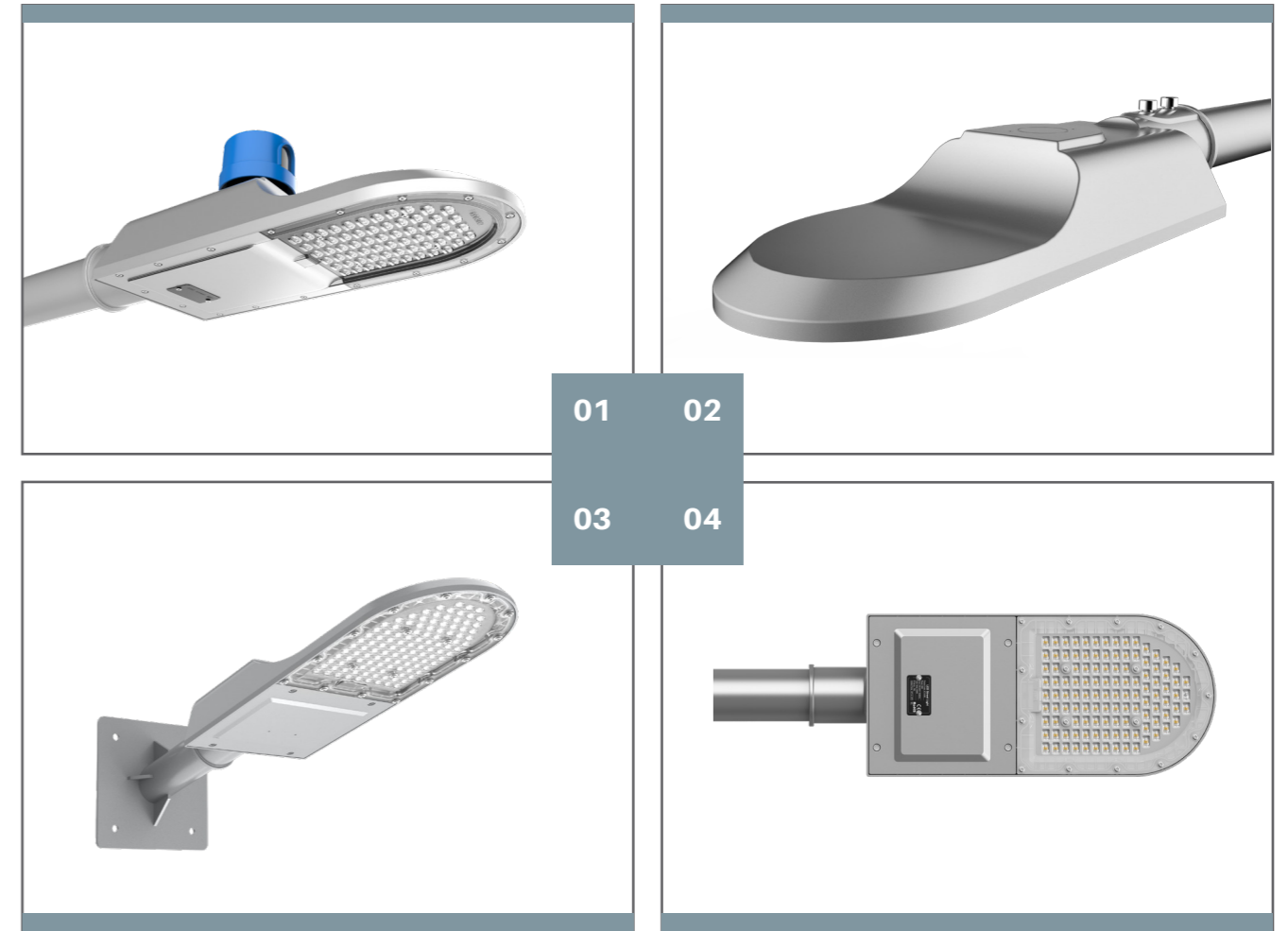
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3 sizes from 20W to 150W with a compact design makes it cost-effective and more suitable for project flexibility
Super smooth surface avoids the accumulation of dust, sand or other debris, minimizing the environmental impact on the luminaire's performance
Various accessories are available, including adaptors for different pole sizes

Intelligent function options including photocell, 1-10V dim, DALI dim.
High quality is ensured by various reliability tests, including drop test, vibration test, and salt spray test, etc.
Life hours: (LM79/TM21)
40,000hrs-L90
82,000hrs-L80
100,000hrs-L70

Rigel 19 Street Light

The Rigel 19 street light offers up to 135lm/w, 20W-150W. The Rigel 19 has multiple mounting options and professional optics to ensure perfect synergy with project specifications.

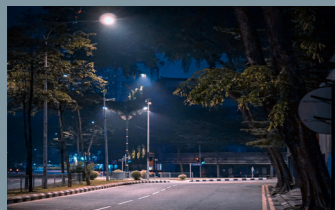


CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)
SL3N/02050019	20	2,600	478*166*81
SL3N/03050019	30	3,750	478*166*81
SL3N/05050019	50	6,250	478*166*81
SL3N/07050019	70	9,100	507*203*87
SL3N/09050019	90	11,700	507*203*87
SL3N/12050019	120	15,600	570*256*87
SL3N/15050019	150	19,500	570*256*87



Rigel 36 Street Light

The Rigel 36 LED streetlight is an excellent street lighting solution for new urban roads and pedestrian applications. The Rigel 36 is a robust, high performance fitting suitable for coastal conditions.



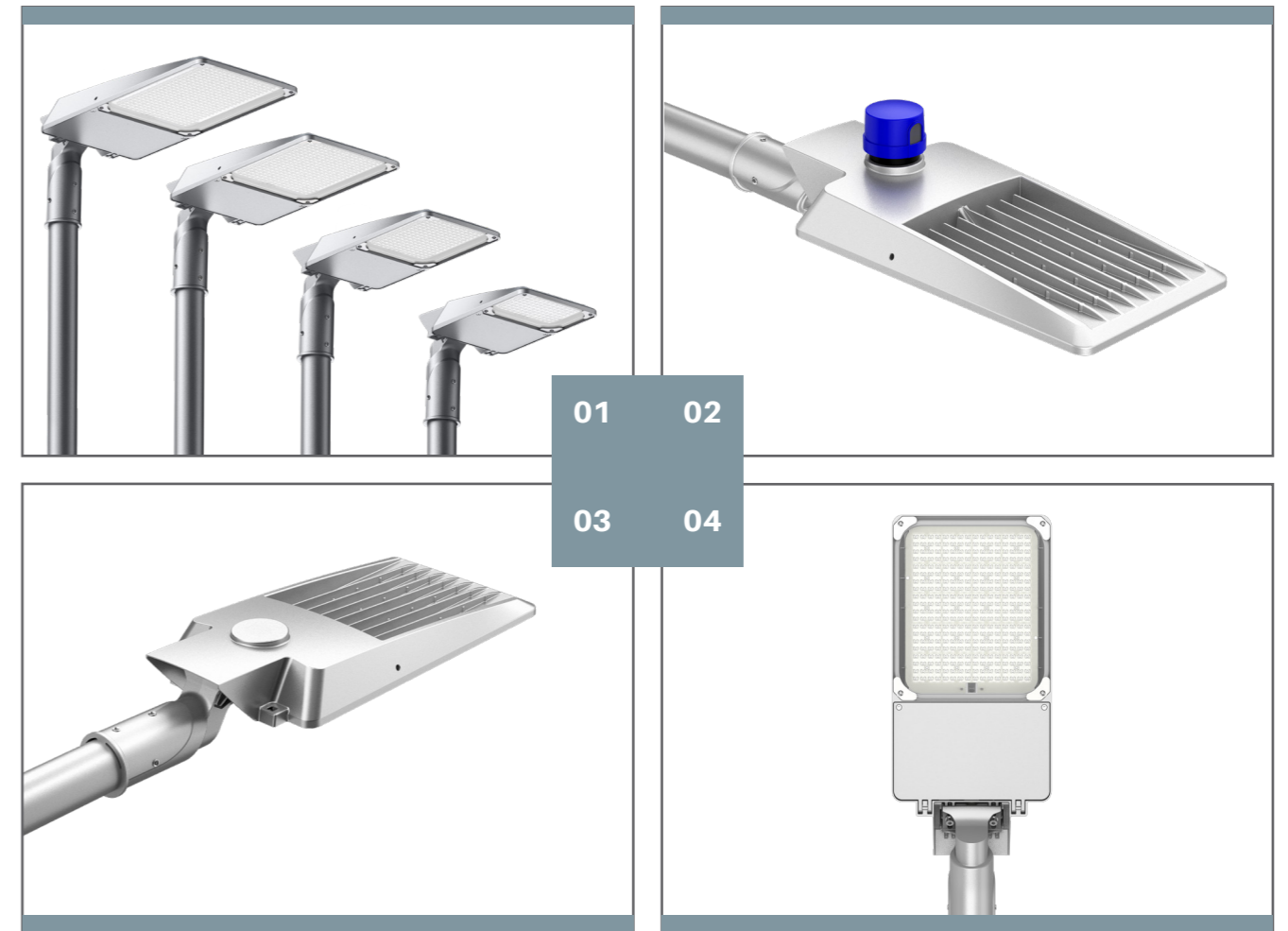
Applications
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Full wattage range : 20w/30w/60w/75w/
100w/120w/150w/180w/200w
155lm/w, 10KV, IP66 & IK09
Excellent heat dissipation, robust
and durable design
3G vibration tested
Protection class I or II
Plug-and-play microwave and PIR sensors
are available
Photocell, 3/5/7 pins NEMA Socket and LoRa/
Zhaga socket for smart city controls optional

Removable metal gear plate, making it easy
to maintain
Can be installed on vertical poles or horizontal
arms, the angle can be adjusted $\pm 15^\circ$
Wide choice of optics and
installation spigots
Life hours: (LM79 /TM21)
40,000hrs-L90
82,000hrs-L80
131,000hrs-L70

Rigel 36 Street Light

The Rigel 36 street light offers up to 155lm/w, 20w-200w, 131,000 hrs (L70) and ease of maintenance. The Rigel 36 street light has multiple mounting options and professional optics to ensure perfect synergy with project specifications.

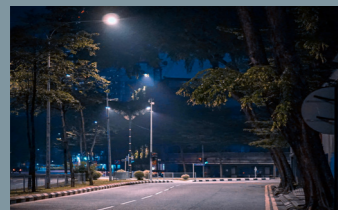


CODE	POWER (W)	LUMEN (LM)	DIMENSIONS (MM)
SL6D/02050036	20	3,200	558*220*199
SL6D/03050036	30	4,800	558*220*199
SL6D/04050036	40	6,400	558*220*199
SL6D/06050036	60	9,600	658*220*201
SL6D/07550036	75	12,000	658*220*201
SL6D/10050036	100	16,000	658*220*201
SL6D/12050036	120	19,200	713*270*202
SL6D/15050036	150	24,000	713*270*202
SL6D/18050036	180	28,800	713*270*202
SL6D/20050036	200	32,000	783*285*204



Rigel 43 Solar Street Light

The Rigel 43 LED street light is a fully integrated luminaire with a solar panel & battery. Its easy to install with no need for wiring, bringing a smart and durable lighting solution to areas without access to the electric grid. Super high system efficiency up to 200lm/w. Only 8 hours charging will allow continuous 3 days light-on during overcast conditions. Normal mode @ 100% brightness > 8 hrs operating time, intelligent mode 3-4 days. A hybrid solar street light is available



Applications
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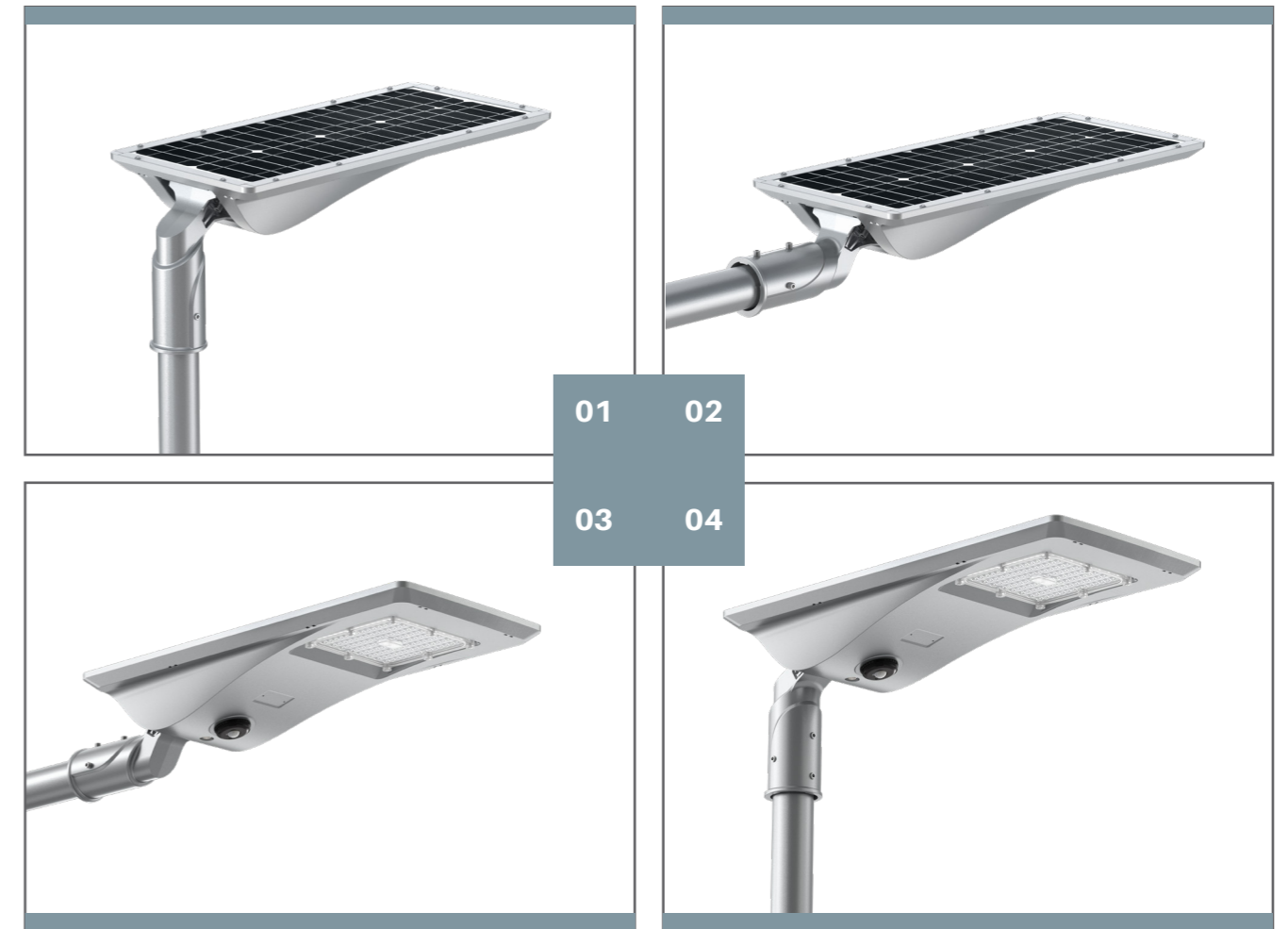
Light efficiency: High efficacy up to 200lm/w @Ra70
8 hours charging for continuous 3 days longest light on during continuous rain or overcast conditions.
LiFePO4 battery, high temperature resistance, large current discharge, life cycle more than 2000 times.
Mono-Crystalline silicon panel with 20% conversion rate
Integrated motion detection
Adjustable angle module optional
Different mounting optional: post top, side entry and clamp bracket mount.
IP65 & IK08 protection.

A hybrid solar street light is available. When the battery voltage is lower than 9.6v, the luminaire will automatically switch to the mains power supply. When the solar power supply restores the voltage, the system will automatically cut off the main power supply and restore the solar power supply

Life hours: (LM79 /TM21)
31,000hrs-L90
64,000hrs-L80
101,000hrs-L70

Rigel 43 Solar Street Light

The Rigel 43 street light is a fully integrated luminaire with solar panel & battery. The Rigel 43 has a 200lm/w efficacy and a wide variety of accessories to ensure ease of application. The controller has a built in PIR sensor and timer dimming function.

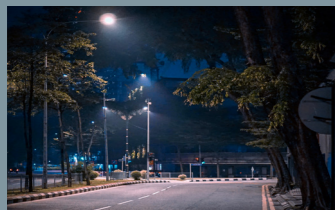


CODE	POWER (W)	PANELS (W)	BATTERY CAPACITY	CHARGING TIME	LUMEN (LM)	DIMENSIONS (MM)
SLS2N/01050043	10	30	76,8Wh	>3 hrs	2,000	662*301*94
SLS2N/02050043	20	30	153.6Wh	>6hrs	4,000	662*301*94
SLS2N/03050043	30	30	230.4Wh	>9hrs	6,000	662*301*94



Rigel 50 Solar Street Light

The Rigel 50 LED street light is a fully integrated luminaire with a solar panel & battery. Its easy to install with no need for wiring, bringing a smart and durable lighting solution to areas without access to the electric grid. Super high system efficiency up to 200lm/w. Only 8 hours charging will allow continuous 3 days light-on during overcast conditions. Normal mode @ 100% brightness > 8 hrs operating time, intelligent mode 3-4 days.



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Full wattages,
30W, 40W, 50W, 60W, 80W, 100w
Light efficiency: High efficacy up to
200lm/w @Ra70
Lumen package from 6000lm to 20000lm
Smart control with built-in PIR sensor
±80° adjustable mounting angle
8 hours charging for continuous 3 days
longest light on during continuous rain or
overcast conditions
LiFePO4 battery, high temperature
resistance, large current discharge, life cycle
more than 2000 times.
Mono-Crystalline silicon panel with 21%
conversion rate

IP65 & IK08 protection.
Life hours: (LM79 /TM21)
31,000hrs-L90
64,000hrs-L80
101,000hrs-L70

Rigel 50 Solar Street Light

The Rigel 50 street light is a fully integrated luminaire with solar panel & battery. The Rigel 50 has a 200lm/w efficacy and a wide variety of accessories to ensure ease of application. The controller has a built in PIR sensor and timer dimming function.



CODE	POWER (W)	PANELS (W)	BATTERY CAPACITY	CHARGING TIME	LUMEN (LM)	DIMENSIONS (MM)
SLS2N/03050050	30	45	230.4Wh	>9hrs	6,000	796*422*342
SLS2N/04050050	40	63	307.2Wh	>9hrs	8,000	1,100*422*342
SLS2N/05050050	50	63	384Wh	>9hrs	10,000	1,100*422*342
SLS2N/06050050	60	80	460.8Wh	>9hrs	12,000	1,282*422*342
SLS2N/08050050	80	80	614.4Wh	>9hrs	16,000	1,282*422*342
SLS2N/10050050	100	90	768Wh	>9hrs	20,000	1,532*422*342

