

# LIGHTING SOLUTIONS FOR THE PAINTING INDUSTRY

SCANGRIP is constantly pushing back the boundaries of LED lighting and battery technology, creating new and specialized work light solutions.

This new product line is the most comprehensive and sophisticated of its kind in the world. The specialized lighting solutions with superior quality are made for colour matching, detailing and general paint work and are usable everywhere a painted surface needs inspection.

ANGRIP







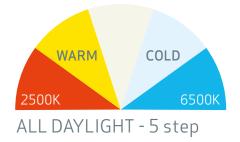
## LIGHTING SOLUTIONS FOR THE PAINTING INDUSTRY

The new generation of SCANGRIP lights for the painting industry will strike you as being the widest and most sophisticated range on the market with significantly improved lighting and battery technology.

The new product range has embedded all possible needs for effective and specially designed work lights including suspension and stand solutions for both stationary and flexible positioning of the lights to match the specific work task.

#### ALL DAYLIGHT - Multiple colour temperature

During the day, the sunlight will have different colour temperatures and change from warm to cold temperatures throughout the day.



The new range reflects the entire colour temperature spectrum which occurs during the day and offers the option to choose between 5 different colour temperatures ranging from 2500K to 6500K.

## APPLICATION AREAS

- For everybody inspecting painted surfaces
- For all kinds of car, truck and bus workshops
- For car and industrial painters
- For prep-zone operations and detailing centers

With this new ALL DAYLIGHT function you will be able to take advantage of the entire colour temperature range and customize the light to the specific colours, providing ideal conditions for accurate colour match and highlighting and discovering paint defects.

#### Importance of right work light

The SCANGRIP lighting solutions increase the quality and finish of each, individual operation and reduces the rate of time-consuming and costly re-work. Due to the special LED features, this lighting range is perfect for any paint, polish, cleaning or prep-zone operation. This means that for instance holograms and polishing errors will be detected during the working operations, and, in this way, several days of costly re-do will be avoided.

#### State-of-the-art functionality

The sturdy work lights are designed to resist the most extreme demands of the painting workshop environment. The long operating time of the work lights makes it possible to complete a job without interruption of time-consuming recharging. In addition, the new SCANGRIP POWER SOLUTION with exchangeable batteries offers unlimited availability to light. The advanced functionalities with wireless BLUETOOTH lighting control and integrated USB power bank just underlines the league they are in.

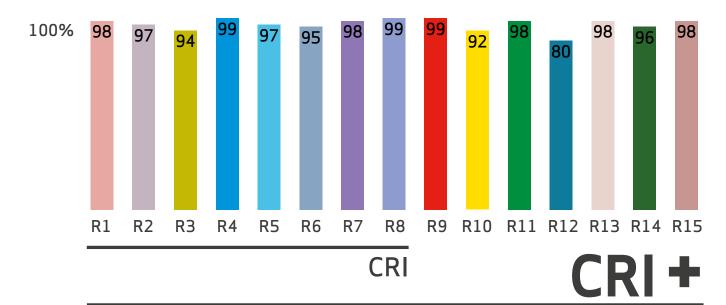
> // The COB (chips on board) LED technology provides a unique, uniform and completely even illumination with only one shadow which makes it particularly effective for detailing light

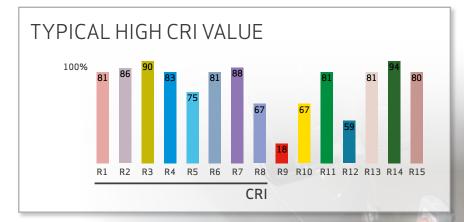
// The colour temperature (KELVIN) exactly fits the specific requirements for efficient work light in the painting industry



# **CRI+** FOR ACCURATE COLOUR MATCHING

Work lights to be used for colour match purposes must have a light source with a high CRI value. The standard CRI value is calculated as an average of the first 8 R-values out of 15. This means that e.g. the R9 (red) value, which is important for correct colour recognition, is not taken into consideration for the CRI value. SCANGRIP now introduces the **CRI+** term defined as an average of all 15 R-values. This is the only correct definition of the CRI value to be used for accurate and reliable colour recognition.







## PENLIGHTS

Easy to carry penlights with excellent colour rendering properties for colour match always readily available in a shirt or pant pocket. Designed for inspection in the workshop and especially useful for detection of scratches, pinholes and swirl marks.

Made of sturdy and durable aluminum supplied with solvent resistant glass lens.

### MATCHPEN

MATCHPEN has a slim design with focus function for concentrated and focused light beam ranging from 10° to 70°. Comes complete with 2 AAA batteries.



### MATCHPEN R

The rechargeable MATCHPEN R features a 2 COLOUR LIGHT function,



MATCHPEN

Penlight with focus function

providing 100 lumen

03.5117

providing you with the option to choose between 2 different colour temperatures depending on the job at hand. Focus function for concentrated and focused light beam ranging from 10° to 45°. It can easily be recharged by the enclosed USB cable.





#### MATCH**PEN R**

#### 03.5122

SCANG

Rechargeable penlight with focus function and 2 COLOUR LIGHT providing 100 lumen

EU DESIGN PATENT 2704684















## HEADLAMP

Provides superior hands-free illumination for any detailing or colour match job. Supplied with the newest COB LED technology, the rechargeable I-MATCH 2 provides an extremely powerful illumination spreading the uniform light to the maximum and lightens up your entire field of view.

By waving your hand in front of the lamp, you will switch on the light when needed. In sensor mode, the light can easily be switched on/off, even when wearing gloves.

I-MATCH 2 is provided with the very newest rechargeable battery technology with long operating time, and sets new standards for professional work light.

Supplied with 2 colour temperature options, cold or warm and 2 lumen output options, 50% or 100%. The robust and sleek I-MATCH 2 is both dust and waterproof (IP65) with a remarkably low weight, only 130g.



2033740

PATENT

2 COLOUR LIGHT - 2 step

#### I-MATCH 2

03.5446

Rechargeable COB headlamp with 2 COLOUR LIGHT providing 160 lumen

#### ILLUMINATED AREA



Standard headlamp



I-MATCH 2 headlamp







# HANDLAMPS

Handheld rechargeable work lights with excellent colour rendering properties, for perfect colour match.

Easy to carry in the pocket or in the work belt with the built-in clip, ready at hand for quality check between prep-zone operations. Supplied with a two-step operating option: Step 1 = 100%, step 2 = 50% light output.

Place the lamp anywhere you want during inspection with the turnable sturdy hook or the strong built-in magnet. The flexible lamp head tilts up to 180 degrees. Durable construction, dust as well as waterproof, IP65. Supplied with solvent resistant glass lens. Battery indicator at front shows when the battery must be recharged.

### MINI**MATCH**

With its strong and basic functionality, the new handheld MINIMATCH features 2 COLOUR LIGHT (warm and cold), especially useful for bright and dark coloured surfaces.

## SUNMATCH 3

Depending on the type of job at hand, SUNMATCH 3 features an outstanding ALL DAYLIGHT function, providing you with the option to choose between 5 different colour temperatures. A spotlight for inspection is included at the top.

To avoid overheating the built-in intelligent heat protection system switches to low mode (50%) after 3 minutes continuous use at high mode. SUNMATCH 3 is always ready to use and easy to find when placed in its charging base after each job.













MINIMATCH

03.5650

Handheld rechargeable work light with 2 COLOUR LIGHT providing 200 lumen





#### SUNMATCH 3

03.5651

Handheld rechargeable work light with ALL DAYLIGHT providing 500 lumen





## MULTIMATCH WORK LIGHT

Handy and powerful work light for inspection and detailing providing up to 1200 lumen.

MULTIMATCH R features the outstanding ALL DAYLIGHT function, providing you with the option to choose between 5 different colour temperatures depending on the job.

The lamp is easy to carry and is ergonomically designed for a good grip on the handle, which is also equipped with powerful integrated magnets



for flexible mounting. This gives you high flexibility and application possibilities for internal inspection of cars and other narrow areas.

The lamp is designed for direct mounting on the SCANGRIP TRIPOD and WHEEL STAND.

Rechargeable built-in power bank with USB outlet to charge mobile devices.

















#### MULTIMATCH R

03.5652

Rechargeable work light with ALL DAYLIGHT providing 1200 lumen



# NEW

# MULTIMATCH **WORK LIGHTS** with exchangeable battery pack

Outstanding and powerful rechargeable work lights for inspection of large surfaces during polishing, painting and cleaning operations as well as for colour match.



The work lights feature the ALL DAYLIGHT function, providing you with the option to choose between 5 different colour temperatures. The 5-step dimmer function makes it possible to adjust the light into five different levels depending on the job at hand.

The new SCANGRIP POWER SOLUTION provides you with unlimited availability to light. Easily you can insert a new fully charged battery and continue the work while another battery is charging. Or you can simply add the charger directly to the lamp to get power supply. The integrated battery backup function prevents you from being without light at any time.

By the new BLUETOOTH lighting control app you are able to control and adjust both the light output and the colour temperatures, along with a range of other useful, wireless functions improving daily work efficiency.

The new MULTIMATCH range is supplied with a built-in power bank with USB outlet to charge mobile devices.



The body is made of diecast aluminum which makes it extremely sturdy and shockproof to endure even heavy strokes and shocks. At the same time, it is dust and waterproof, IP67.

EU DESIGN PATENT 5597010







## SCANGRIP POWER SOLUTION

SCANGRIP has taken advantage of new, high performance battery technologies and invented an innovative concept of flexible and reliable power supply.

The unique, patented concept is called:



Patent pending

- DUAL SYSTEM 2in1 with exchangeable battery pack use both rechargeable with battery or with power supply from the battery charger mounted directly to the lamp
- Integrated backup battery functionality up to 1h use with 1000 lumen without battery or cable
- IP67 waterproof to be used in tough environment



311

SPS system provides light for the entire work day

With the new, innovative SPS system you will never experience being completely without light and left in total darkness. No matter how limited your access is to power supply the SPS ensures that you always have the necessary light to carry out your job. SPS provides complete freedom, flexibility and maximum work efficiency.





Use battery charger directly on the lamp as power supply



Change battery



Charging exchangeable battery

Always light. Never left in the dark.

# NEW **APP** WITH EXTENDED FUNCTIONALITY

With the new BLUETOOTH light control features you can control up to four MULTIMATCH lamps. The light control makes it possible to turn on/off the lamp from your phone and adjust the light output as well as the color temperature in steps from 2500k to 6500k to suit the work task in question. Assign your own personal pin code to prevent other users from controlling the lamp.

The wireless application is perfect when working with one or more hard-to-reach lamps, for example positioned on the SCANGRIP TRIPOD.



# 😵 Bluetooth°

#### BLUETOOTH - Light control app

- Dimmer light output into 5 levels 10%-100%
- Adjust CCT value in 5 steps
  2500K-6500K
- Switch on/off
- Renaming individual lamps
- Assign pin code
- Check battery level
- Control up to 4 lamps



#### MULTIMATCH 3

03.5653





Work light with BLUETOOTH, SPS and ALL DAYLIGHT providing up to 3000 lumen. Incl. exchangeable battery and charger.



EU DESIGN PATENT 5597010

#### MULTIMATCH 8

03.5654



Work light with BLUETOOTH, SPS and ALL DAYLIGHT providing up to 8000 lumen. Incl. exchangeable battery and charger.

PATENT PROTECTE



## SCANGRIP WHEEL STAND

The SCANGRIP WHEEL STAND is developed for mobile positioning of the MULTIMATCH work lights in the detailing workshop. It makes it easy to move the light to where you need it, and at the same time you avoid uncomfortable and heavy lifting from one workplace to the other.

It is fast and easy to position the work light on the SCANGRIP WHEEL STAND, and when mounted the light can be tilted to provide the optimum beam angle. When the job is done it can easily be put aside.

The SCANGRIP WHEEL STAND is extendable from only 0.7m up to 1.9m which gives you complete flexibility to position the light in the requested height. To provide illumination for the work on the side of the car the low working height is particularly useful.

The 3 wheels are sturdy and of high quality and roll easily even on uneven surfaces. 2 of the wheels are lockable to secure a safe and fixed position. The SCANGRIP WHEEL STAND is made of durable and sturdy powder coated steel for both indoor and outdoor use.



Welded steel mounting cap 10mm thread

Powder coated steel



360° locking system for a firm grip

#### SCANGRIP WHEEL STAND

03.5433

Max load 10 kg Weight 6 kg



Dual bracket for positioning of two lamps





## SCANGRIP TRIPOD

In the detailing workshop the SCANGRIP TRIPOD is indispensable for stationary positioning of the MULTIMATCH work lights for illumination in a specific working area.

The SCANGRIP TRIPOD is extendable from only 1.35m up to 3m which gives you complete flexibility to position the light in the requested height. When mounted on the tripod the light can be tilted to provide the optimum beam angle.

The stable construction of the SCANGRIP TRIPOD makes it safe even when fully extended. To increase safety when in use the cable of the lamp can be fixed in the safety clips placed on each separate leg.



#### MAGNET BRACKET







For flexible positioning of the MULTIMATCH 3 on any magnetic surface



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For flexible positioning of the MULTIMATCH 8 on any magnetic surface





MAX 3m

Ø1.2m

Welded steel mounting cap 10mm thread

Powder coated steel

360° locking system for a firm grip

#### SCANGRIP TRIPOD

0/3a5x433ad 10 kg Weight 6 kg

DUAL BRACKET 03.5308





Dual bracket for positioning of two lamps





# (SCANGRIP®

NEW

# DETAILING KITS

The DETAILING kit bags are made of sturdy nylon with convenient practical carrying strap. Firm hold and room protecting the products. Easy to carry and use.

## ESSENTIAL



The ESSENTIAL kit includes the essential products you need for effective detailing and colour match.

#### DETAILING KIT - ESSENTIAL

49.0220

Includes: I-MATCH 2, 03.5446 MINIMATCH, 03.5650 MULTIMATCH R, 03.5652

### ULTIMATE

CACANERIA



#### DETAILING KIT - ULTIMATE

49.0217

Includes : MATCHPEN R, 03.5122 I-MATCH 2, 03.5446 SUNMATCH 3, 03.5651 MULTIMATCH 3, 03.5653

Depending on the job at hand, the ULTIMATE kit provides you with advanced work lights with powerful illumination and multiple applications for any detailing or colour match job.



# (SCANGRIP<sup>®</sup>

## NEW

## EXPLOSION PROOF FOR THE PAINT BOOTH

The paint booth is an explosive area requiring explosion proof lighting solutions. SCANGRIP is proud to present explosion proof work lights especially designed for use in the paint booth.



The two new explosion proof work lights are both very powerful COB LED work lights providing extremely bright illumination. They are designed with the newest state-of-the-art LED technology for the professional user. The COB (chip on board) LED technology provides a uniform and completely even illumination with a high

95 **CRI +** (colour rendering index) value close to daylight which is particularly effective for inspection and quality check in the spray booth.

The body is made of diecasted aluminium and shockproof to endure even strong strokes and shocks. Both work lights endure the rough, wet and dirty conditions of the professional working environment, and are completely waterproof (IP65). By the integrated carrying handle it is convenient to carry the work light from one work place to the other.

The flexible stand can be used as a hanger and to position the lamp in the desired angle.

EU DESIGN PATENT







Explosion proof certificate nos.:

IEC 4 CEx TPS 17.0002X

TÜV IT 16 ATEX 082 X

II 2G Ex db eb mb op is IIC T4 Gb II 2D Ex tb IIIC T85°C Db IP65

#### NOVA-EX CM

#### 03.5602CM

Supplied with 10m cable NOVA-EX CM is the perfect work light where there is access to permanent electricity in the paint booth







#### 03.5601CM

Rechargeable work light providing you complete flexibility everywhere where there is no access to electricity





l.35m - 3m

### ACCESSORIES

Approved to be used in explosive atmosphere in combination with NOVA-EX CM and NOVA-EX R CM

#### MAGNETIC BRACKET EX

03.5616

For positioning on magnetic surfaces



#### TRIPOD EX

03.5607

For stationary positioning

ATEX Statement No. 64.105.17.02966.01

	NOVA- <b>EX CM</b>	NOVA- <b>EX R CM</b>
Product number	03.5602CM	03.5601CM
Light source	High CRI COB LED	High CRI COB LED
Luminous flux, lumen	1000-2000	750-1500
lluminance, lux@0.5 m	1600-3200	1200-2400
Adjustable light output	2 levels	2 levels
Beam angle	110°	110°
CRI	Ra > 95	Ra > 95
ССТ	6500K	6500K
Adjustable CCT	No	No
Operating time, h	-	Up to 4
Charging time, h	-	2
Battery	-	19.2V / 1400 mAh Li-ion
Protection class	IP65	IP65
Impact resistance	1 m	1 m
EX ZONE	1 and 2 / 21 and 22	1 and 2 / 21 and 22
Cable	10 m / 3x1 mm² H05RN-F	5 m / 2x0,75 mm² H05RN-F
Operating voltage AC	100-240V 50/60 Hz	-
Charging voltage/current DC	-	21.6V/1A
Power consumption	23W	14W
Charger incl.	-	Yes
Temperature	-20° to +45°C	-20° to +45°C
Dimensions	270 x 266 x 123 mm	270 x 266 x 123 mm
Net weight	5.3 kg	4.08 kg

### PENLIGHTS

	MATCH <b>PEN</b>	MATCH PEN R
Product number	03.5117	03.5122
Light source	Ultra high CRI LED	Ultra high CRI LED
Luminous flux, lumen	100	100
Iluminance, lux@0.5 m	300-4000	700-8000
Adjustable light output	No	No
Beam angle	10°-70°	10°-45°
Beam distance	Up to 75 m	Up to 95 m
CRI	Ra > 95	Ra > 92
ССТ	4500K	4500-6500K
Adjustable CCT	-	2 steps
Operating time, h	Up to 2	Up to 2.5
Charging time, h	-	2.5
Battery	2xAAA / 1.5V Alkaline	3.7V / 1100 mAh Li-ion
Protection class	IP54	IP30
Impact resistance	1 m	1 m
Cable	-	1 m USB
Operating voltage AC	-	-
Charging voltage/current DC	-	5V/1A
Power consumption	ЗW	Max 2.5W
Charger incl.	-	Yes
Temperature	-10° to +40°C	-10° to +40°C
Dimensions	ø16 x 148 mm	ø19 x 159 mm
Net weight	60 g	88 g

HEADLAMP
I-MATCH 2
03.5446
Ultra high <b>CRI+</b> COB LED
80-160
300-500
2 levels
120°-60°
-
Ra > 96 <b>CRI+</b>
4500-6500K
2 steps
Up to 5
4
3.8V / 1600 mAh Li-poly
IP65 / IK07
1 m
1 m USB
-
5V/1A
Max 2.5W
Yes
-10° to +40°C
105 x 52 x 43 mm
130 g

G

### HANDLAMPS

8

	MINIMATCH	SUNMATCH <b>3</b>
Product number	03.5650	03.5651
Light source	Ultra high <b>CRI+</b> COB LED	Ultra high <b>CRI+</b> COB LED
Luminous flux, lumen	100-200	250-500 Spot: 200
Iluminance, lux@0.5 m	250-500	700-1400 Spot: 5000
Adjustable light output	2 levels	2 levels
Beam angle	75°	80° Spot: 20°
CRI	Ra > 96 <b>CRI+</b>	Ra > 96 <b>CRI+</b> Spot: 95
ССТ	4500-6500K	2500-6500K Spot: 4500K
Adjustable CCT	2 steps	5 steps
Operating time, h	Up to 2	Up to 4
Charging time, h	4	4
Battery	3.7V / 1600 mAh Li-ion	3.7V / 2600 mAh Li-ion
Protection class	IP65	IP65
Impact resistance	1 m	1 m
Cable	1 m USB	1 m USB
Operating voltage AC	-	-
Charging voltage/current DC	5V/1A	5V/1A
Power consumption	Max 3.5W	Max 10W
Charger incl.	Yes	Yes
Temperature	-10° to +40°C	-10° to +40°C
Dimensions	156 x 60 x 38 mm	190 x 60 x 38
Net weight	190 g	270 g

### KIT IN BAG

	ESSENTIAL	ULTIMATE
Product number	49.0220	49.0217
	I-MATCH 2	MATCHPEN R
Content	MINIMATCH	I-MATCH 2 SUNMATCH 3
	MULTIMATCH R	MULTIMATCH 3 incl. battery/charger
Dimensions	290 x 100 x 190 mm	385 x 115 x 300 mm
Net weight	1.755 kg	4.464 kg





#### MULTIMATCH series

	MULTIMATCH <b>R</b>	MULTIMATCH <b>3</b>	MULTIMATCH 8
Product number	03.5652	03.5653	03.5654
Light source	Ultra high <b>CRI+</b> COB LED	Ultra high <b>CRI+</b> COB LED	Ultra high <b>CRI+</b> COB LED
Luminous flux, lumen	120-1200	300-3000	800-8000
Iluminance, lux@0.5 m	250-2500	450-4500	1100-11000
Adjustable light output	5 levels	5 levels	5 levels
Beam angle	100°	115°	115°
CRI	Ra > 96 <b>CRI+</b>	Ra > 96 <b>CRI+</b>	Ra > 96 <b>CRI+</b>
ССТ	2500-6500K	2500-6500K	2500-6500K
Adjustable CCT	5 steps	5 steps	5 steps
Operating time, h	Up to 10	Up to 15	Up to 10
Charging time, h	3.5	1.5*	1.5*
Battery	3.7V / 6000 mAh Li-ion	11.1V / 4000 mAh Li-ion	11.1V / 8000 mAh Li-ion
Protection class	IP67 / IK07	IP67 / IK07	IP67 / IK07
Impact resistance	1 m	1 m	1 m
Cable	1 m USB	5 m / 2x0,75 mm² H05RN-F	5 m / 2x0,75 mm² H05RN-F
Charging voltage/current DC	5V/2A	12.6V/2.8A	12.6V/6.8A
Power consumption	Max 16.5W	Max 30W	Max 75W
Battery incl.	-	SPS BATTERY 4Ah 03.6003	SPS BATTERY 8Ah 03.6004
Charger incl.	-	SPS CHARGING SYSTEM 35W 03.6006	SPS CHARGING SYSTEM 85W 03.6008
Temperature	-10° to +40°C	-10° to +40°C	-10° to +40°C
Dimensions	163 x 63 x 163 mm	240 x 230 x 104 mm	305 x 240 x 125 mm
Net weight	800 g	1.97 kg	3.6 kg
	0		

#### SCANGRIP POWER SOLUTION accessories

	SPS BATTERY 4Ah	SPS BATTERY 8Ah	SPS CHARGING SYSTEM 35W	SPS CHARGING SYST
Product number	03.6003	03.6004	03.6006	03.6008
Battery	11.1V / 4000 mAh Li-ion	11.1V / 8000 mAh Li-ion		-
Charging voltage/current DC	12.6V/2.8A	12.6V/6.8A	12.6V/2.8A	12.6V/6.8A
Cable	-	-	5 m / 2x0,75 mm <sup>2</sup> H05RN-F	5 m / 2x0,75 mm² H05
Charger input voltage	-	-	100-240V AC 50/60Hz	100-240V AC 50/60
Power consumption	-	-	Max 35W	Max 85W
Charging time, h	1.5*	1.5*	-	-
Protection class	IP67 / IK07	IP67 / IK07	IP67 / IK07	IP67 / IK07
Impact resistance	1 m	1 m	1 m	1 m
Temperature	-10° to +40°C	-10° to +40°C	-10° to +40°C	-10° to +40°C
Dimensions	103 x 75 x 40 mm	103 x 75 x 62 mm	139 x 75 x 40 mm	139 x 75 x 49 mm
Net weight	320 g	560 g	650 g	760 g



// SCANGRIP is Europe's leading manufacturer of work lights for professionals providing the strongest and most comprehensive ranges of work lights with the latest LED lighting technology available on the market.

SCANGRIP is innovation from Denmark: All products are designed and developed by SCANGRIP in Denmark and manufactured at our own factories.

SCANGRIP receives strong recognition in the marketplace for its product design, and the products are known for their high quality.

SCANGRIP strives for perfection, and is continuously optimizing and improving light output, battery capacity, design and ergonomics, durability, user-friendliness and functionality. The aim is to set new standards for professional work lights.

SCANGRIP was established in 1906 and has been manufacturing high quality hand tools for the industrial and automotive sectors for more than 110 years.

# MATCHPEN

A pen-size detailing flashlight



#### MATCH**PEN**

A small penlight easy to carry and always at hand in the pocket. The light output is very powerful with excellent colour recognition properties. With focus function for concentrated and focused light beam ranging from 10° to 70°. IP54 class. 2xAAA batteries are included.

- For colour match
- For detection of scratches and swirl mark
- For inspection





SCANGRIF









SCANGRIP IN DENMARK

-

Ultra high CRI LED 95 CRI 4000 KELVIN 300-4000 lux 100 lumen 10°-70° beam angle 2h operating time 2 X AAA/1.5V Alkaline IP54

**TECHNICAL SPECIFICATIONS** 

75 m

MATCHPEN is tested according to the ANSI/NEMA FL-1 standard



#### **MATCH PEN**

03.5117



#### Battery tips

Never try to recharge batteries or use fresh and used batteries together. Always use high quality batteries and the same type only. Lamp for a longer time, take the batteries out to prevent damage by leaking batteries. Discharged batteries must be removed and are hazardous waste and must be disposed according to the national legislation. To maintain the battery capacity the lamp should be stored at room temperature.



Consumers are legally required to dispose of batteries at suitable collection points, vending points or dispatch bays. The crossedout wheeled bin means that batteries must not be disposed of in the household waste.





### **EC Declaration of Conformity**

Year in which CE Mark was first affixed: 2014

We, Scangrip A/S

Declare under our responsibility for the product:

Product Range:	NAME: Match Pen DESCRIPTION: Flash light incl. alkaline batteries
Product Code:	03.5117

The designated product is in conformity with the essential requirements of the following European Directives and harmonized standards:

Electromagnetic compatibility Directive (EMC), 2004/108/EC
EN 55015-1:2013
EN 61547:2009
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2013
Destriction of the use of contain Hannahara Orderteness in classical and classical and contained
Restriction of the use of certain Hazardous Substances in electrical and electronic equipment Directive (RoHS), 2011/65/EU
EN 62321:2009
Degrees of protection provided by enclosures (IP Code)
IP54 - IEC 60529:1889 + A1:1999 + A2:2013
Degrees of IK grade.

IK07 – GB/T 20138-2006

Anders Borring General manager //

Discover other flashlights on our website.