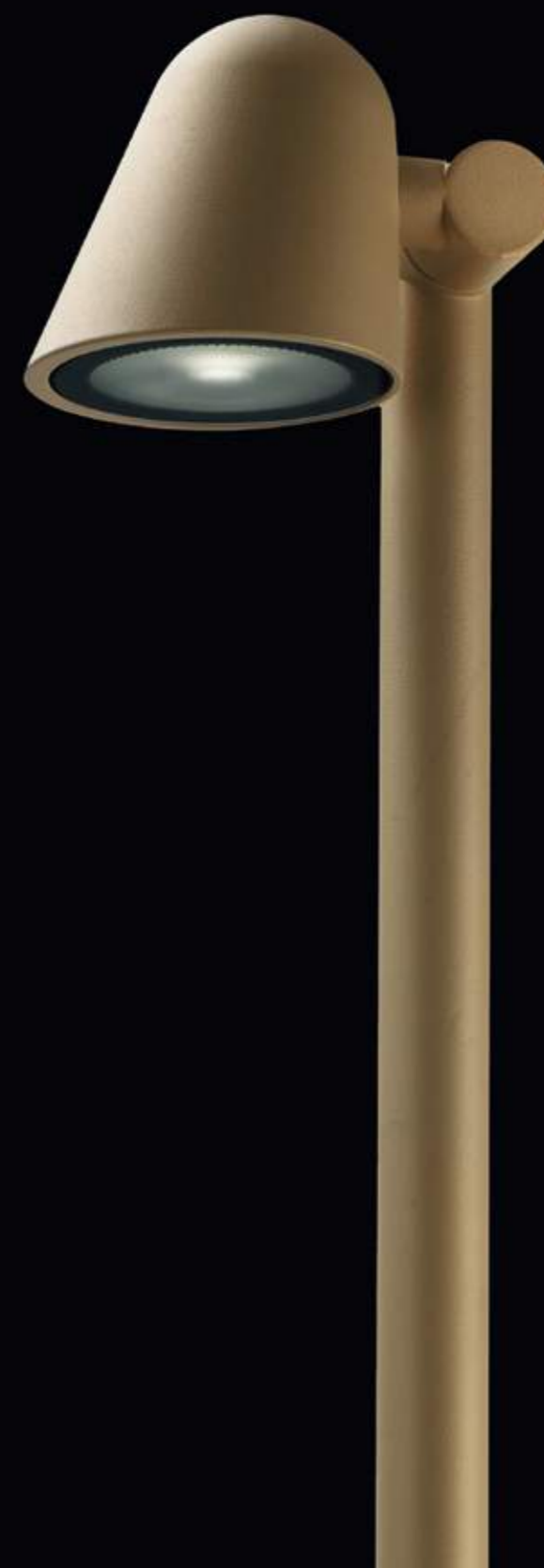


# N3

# SPOON

SPOON è un nuovo sistema per l'illuminazione urbana, declinabile a diverse scale e coerente ai mutevoli scenari urbani contemporanei. Design by Alfonso Femia/AF\*Design.

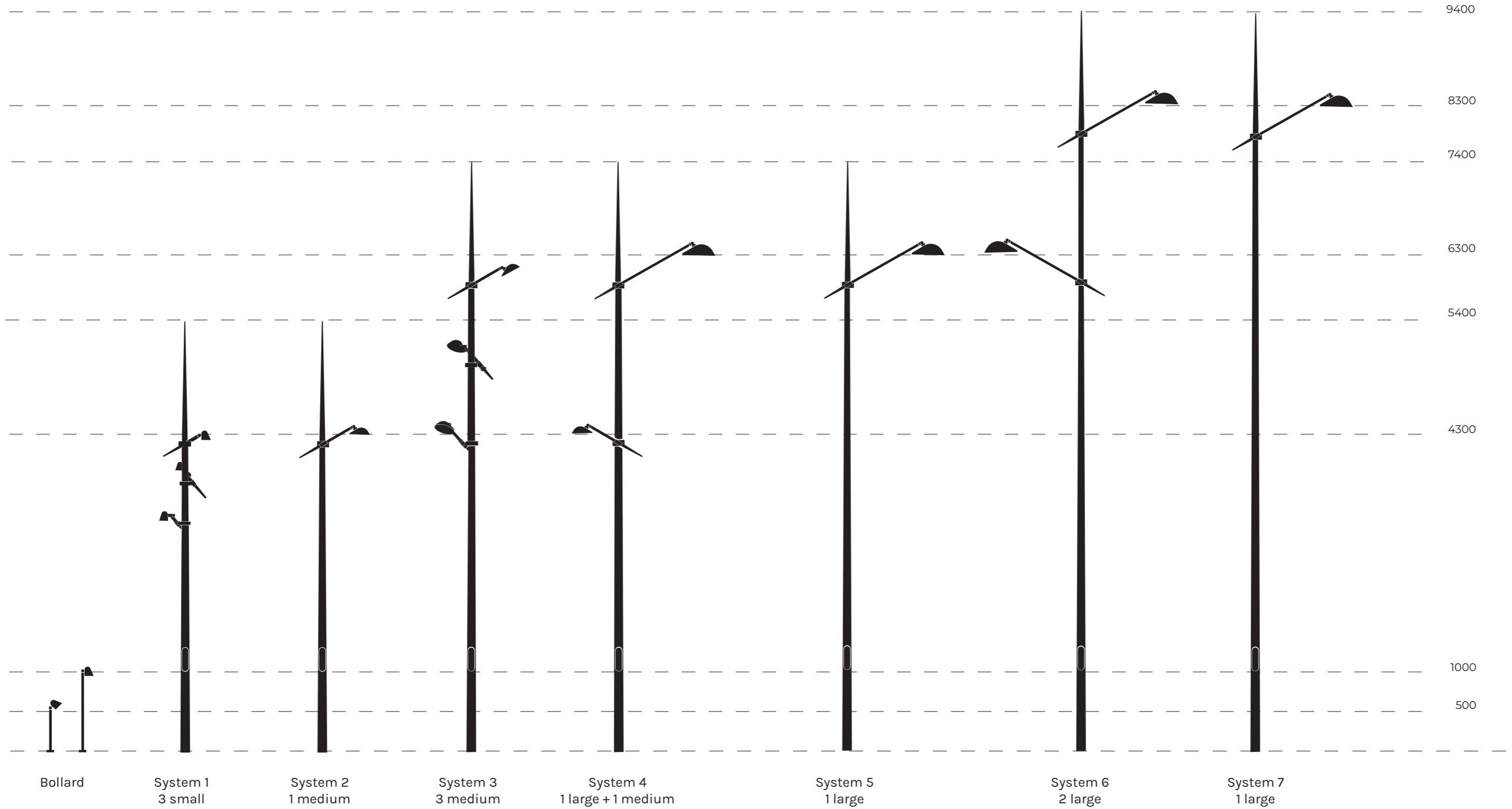
SPOON is a new urban lighting system that can be adapted to different scales and is consistent with the changing contemporary urban scenarios. Design by Alfonso Femia/AF\*Design.

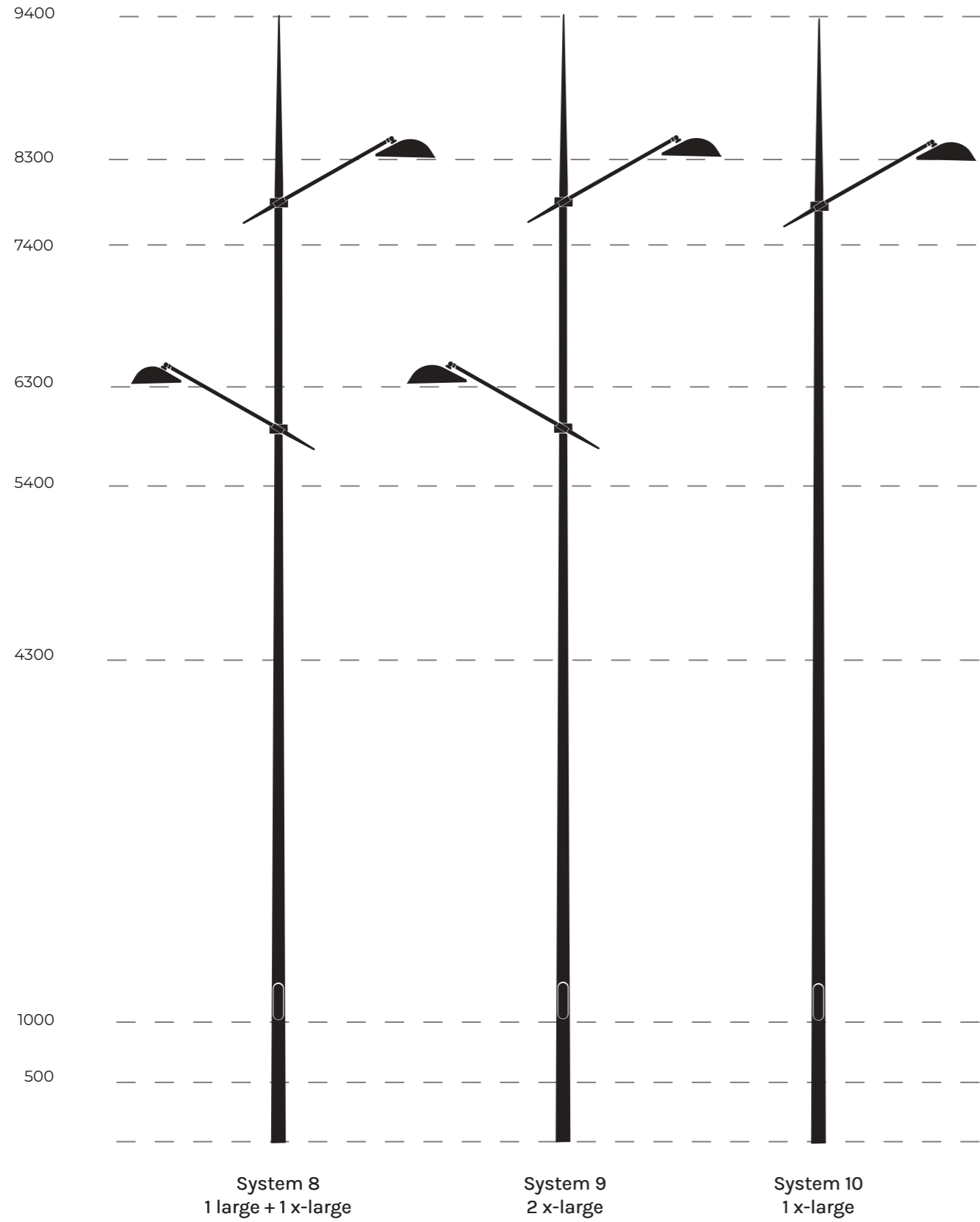












220-240V 24V (RGBW / TW)	50 60Hz	CL II	IP66	IK09	ta -30°C +50°C
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## DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
770 - 17385 lm

**Potenza apparecchio** / Fitting power:  
8 - 144 W

**Indice di resa cromatica** / Colour Rendering Index:  
≥ 80, SDCM ≤ 3 (medium, large, x-large)  
≥ 90, SDCM ≤ 3 (small)

**Illuminazione intelligente** / Smart lighting:  
mezzanotte virtuale, DALI. Su richiesta ZHAGA UP (large, x-large) / virtual midnight, DALI. On request ZHAGA UP (large, x-large)

## MATERIALI / MATERIALS

**Corpo, sistemi di fissaggio e puntali** / Body, fitting systems and rods:  
pressofusione di lega d'alluminio UNI EN AB 47100 (contenuto rame < 1%) / die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lente in tecnopolimero ad alta trasparenza (small), lenti in PMMA ad alta trasparenza (medium, large, x-large) / highly transparent technopolymer lens (small), PMMA high transparent lenses (medium, large, x-large)

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere realizzata in 16 fasi per la miglior resistenza agli agenti atmosferici / phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

### TEMPERATURA COLORE COLOUR TEMPERATURE



### ECO-CENTRIC LIGHTING (ECL)

(ONLY FOR STREET OPTICS, LARGE AND X-LARGE VERSIONS)

#### BLUE FREE LIGHT:

PC-AMBER 0,7% ΣR (λ < 500NM) – CRI 40  
1800 K 4,3% ΣR (λ < 500NM) – CRI 70

#### SWITCHABLE WHITE LIGHT:

1800K / 3000K

### COLORI / COLOURS



## CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:

6 kg (bollard); 4.5 kg (small); 7 kg (medium); 9 kg (large);  
10 kg (x-large)

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Precablaggio** / Pre-wiring:  
**prodotto precablato con cavo e connettore** / pre-wired product with cable and connector

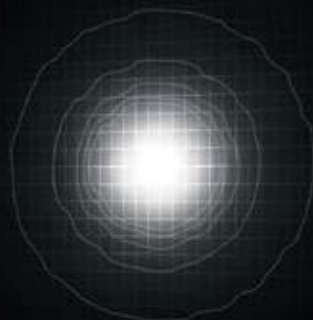
**Resistenza sovratensioni** / Surge Protection Device:  
10kV MC/MD (medium, large, x-large)

**Installazione** / Installation:  
terra, palo, parete, sottoportico  
ground, pole, wall, arcade

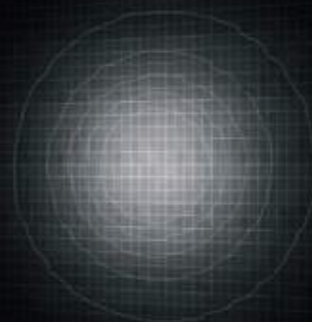


OTTICHE / OPTICS

C 10° Narrow Beam



D 45° Wide Beam



M 25° Medium Beam



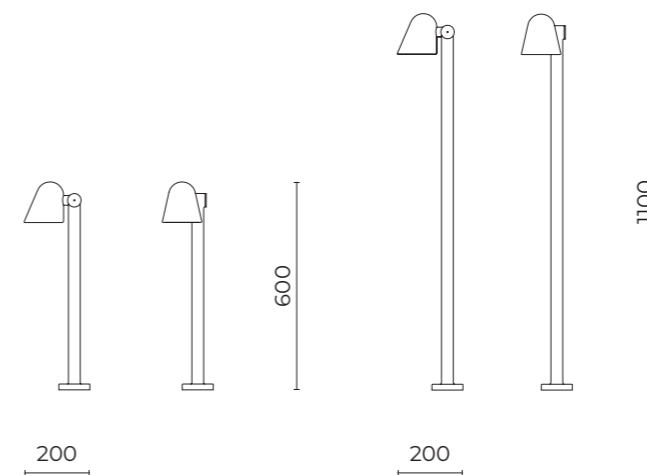
U-D 90° Diffused Beam



AS-D Asymmetric Diffused Beam



Spoon  
Bollard



BOLLARD  
1000



BOLLARD  
500



DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
terra / ground

**Inclinazione / Inclination:**  
0° ÷ 180°, rotazione ±30°  
0° ÷ 180°, rotation ±30°

ACCESSORI / ACCESSORIES

**06PY999X0**  
**Kit tirafondi**  
Anchoring bolts kit 30



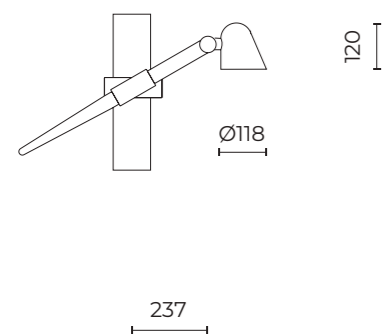
# Spoon System

## DATI TECNICI / TECHNICAL DATA

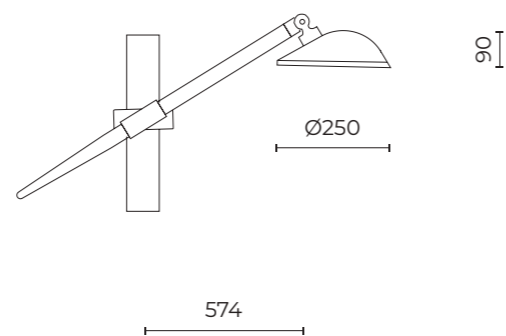
**Installazione / Installation:**  
palo conico con puntale / conical pole with rod

**Inclinazione / Inclination:**  
+120° ÷ -60° (small)  
0° ÷ +90° (medium, large, x-large)

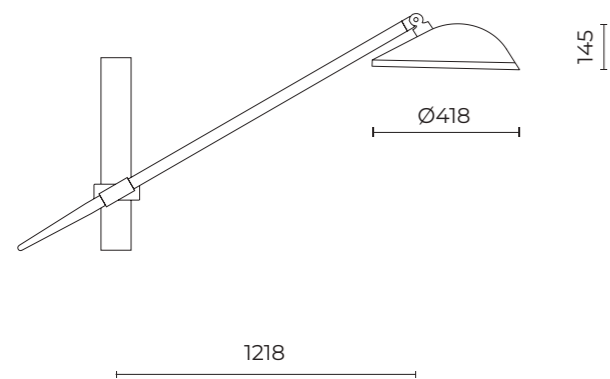
### SMALL



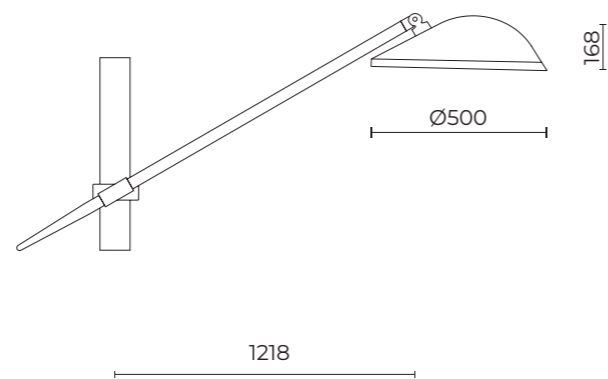
### MEDIUM



### LARGE



### XLARGE

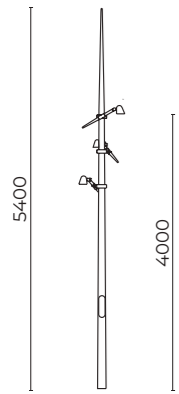




CONFIGURAZIONI / CONFIGURATIONS:

**Spoon System 1**

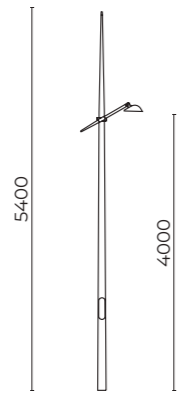
Palo con puntale h. tot. 5400 mm,  
3 Spoon Small  
Pole with rod h. tot. 5400 mm,  
3 Spoon Small



329

**Spoon System 2**

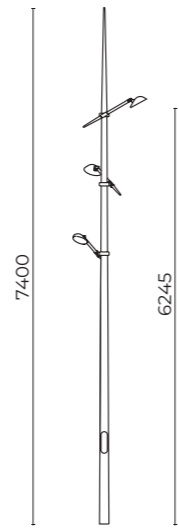
Palo con puntale h. tot. 5400 mm,  
1 Spoon Medium  
Pole with rod h. tot. 5400 mm,  
1 Spoon Medium



574

**Spoon System 3**

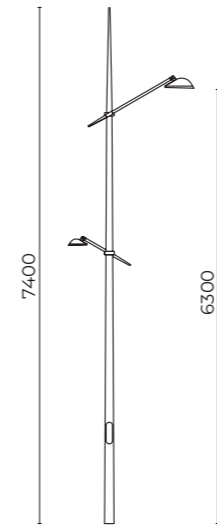
Palo con puntale h. tot. 7400 mm,  
3 Spoon Medium  
Pole with rod h. tot. 7400 mm,  
3 Spoon Medium



574

**Spoon System 4**

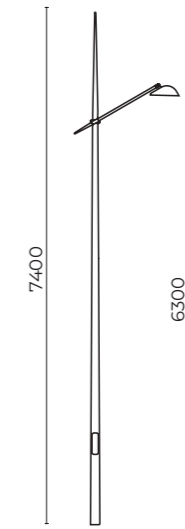
Palo con puntale h. tot. 7400 mm,  
1 Spoon Medium, 1 Spoon Large  
Pole with rod h. tot. 7400 mm,  
1 Spoon Medium, 1 Spoon Large



574 1218

**Spoon System 5**

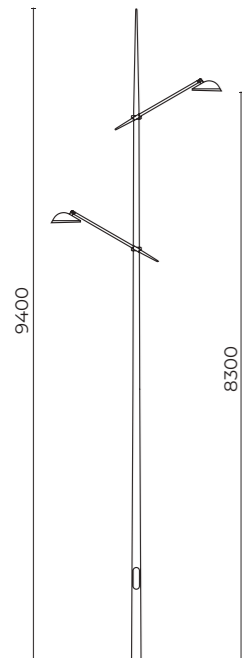
Palo con puntale h. tot. 7400 mm,  
1 Spoon Large  
Pole with rod h. tot. 7400 mm,  
1 Spoon Large



1218

**Spoon System 6**

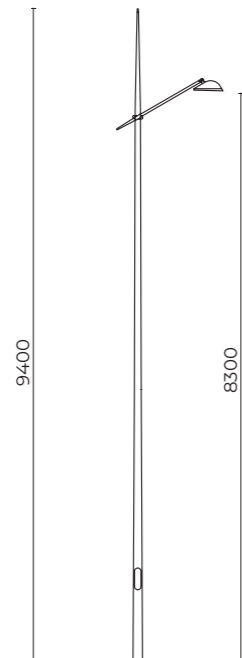
Palo con puntale h. tot. 9400 mm,  
2 Spoon Large  
Pole with rod h. tot. 9400 mm,  
2 Spoon Large



574 1218

**Spoon System 7**

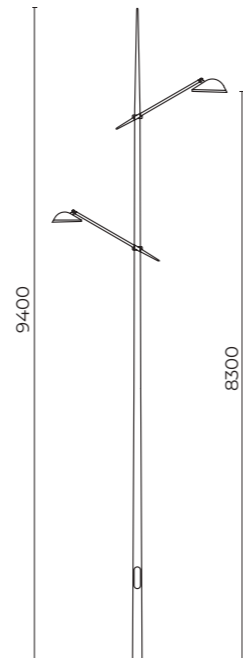
Palo con puntale h. tot. 9400 mm,  
1 Spoon Large  
Pole with rod h. tot. 9400 mm,  
1 Spoon Large



1218

**Spoon System 8**

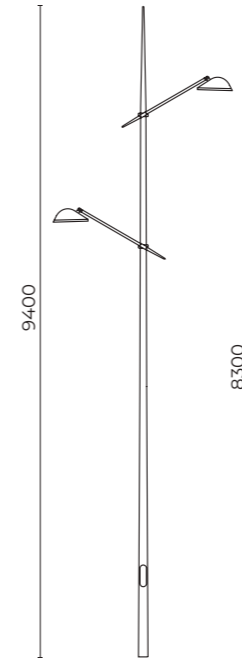
Palo con puntale h. tot. 9400 mm,  
1 Spoon Large, 1 Spoon X-Large  
Pole with rod h. tot. 9400 mm,  
1 Spoon Large, 1 Spoon X-Large



574 1218

**Spoon System 9**

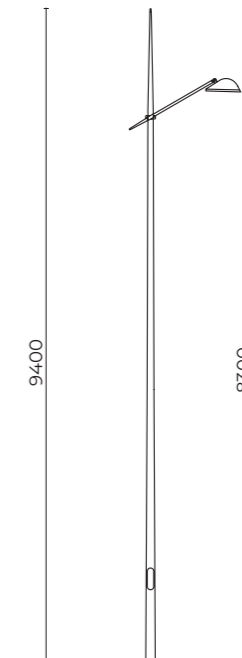
Palo con puntale h. tot. 9400 mm,  
2 Spoon X-Large  
Pole with rod h. tot. 9400 mm,  
2 Spoon X-Large



574 1218

**Spoon System 10**

Palo con puntale h. tot. 9400 mm,  
1 Spoon X-Large  
Pole with rod h. tot. 9400 mm,  
1 Spoon X-Large



1218

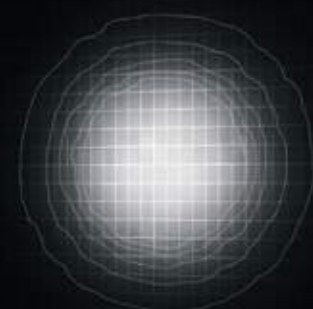
Spoon

OTTICHE / OPTICS

C 10° Narrow Beam



M 25° Medium Beam



D 45° Wide Beam



U-D 90° Diffused Beam



SPOON SMALL

Spoon System



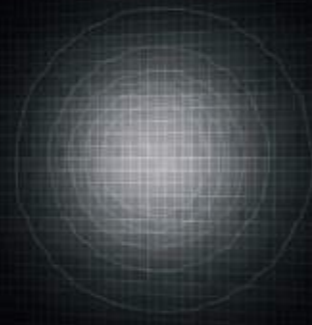
OTTICHE / OPTICS

SPOON MEDIUM / LARGE / X-LARGE

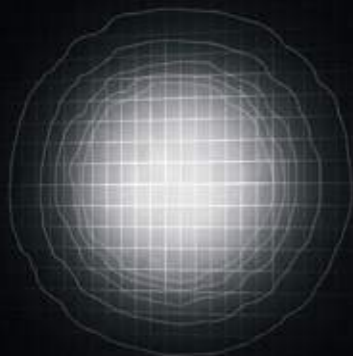
C 11° Narrow Beam



D 40° Wide Beam



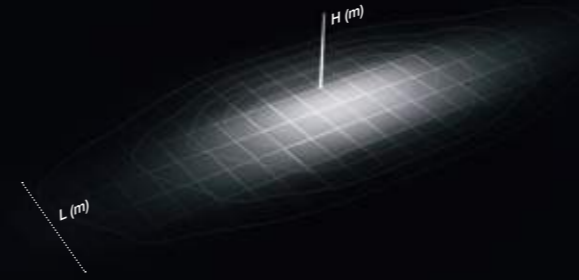
M 25° Medium Beam



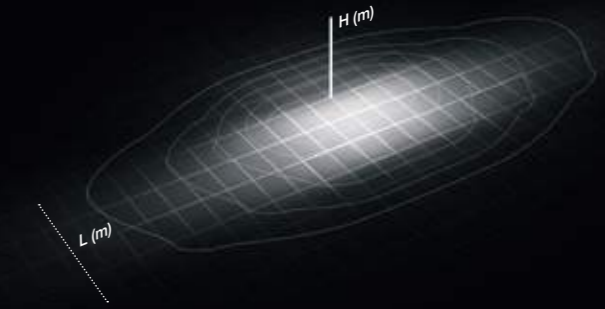
U-D 90° Diffused Beam



LT-C1 Cycle Path  
L / H = 0,5

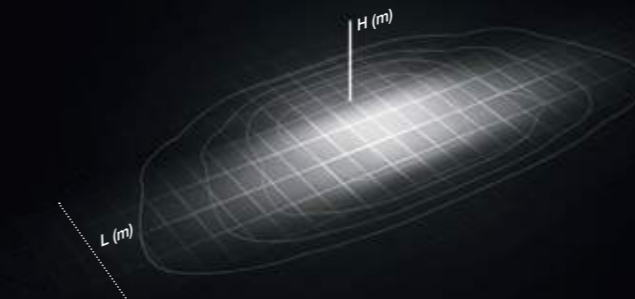


ST-02 Narrow Street  
L / H = 0,75



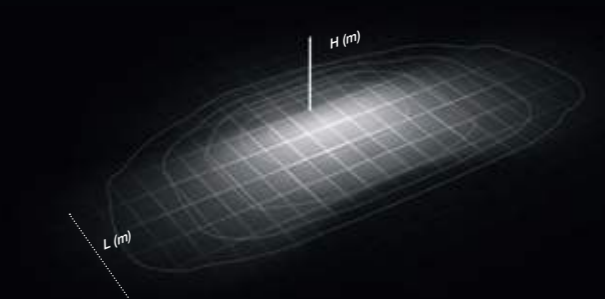
ECL

ME-06 Medium Street with sidewalk  
L / H = 1



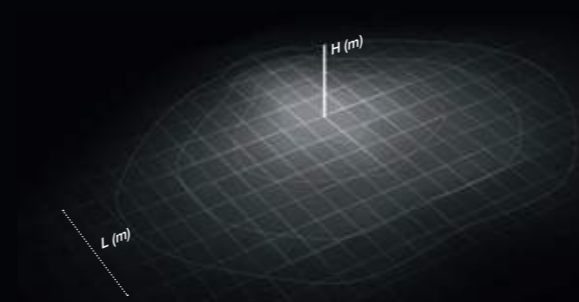
ECL

LA-03 Wide Street  
L / H = 1,25

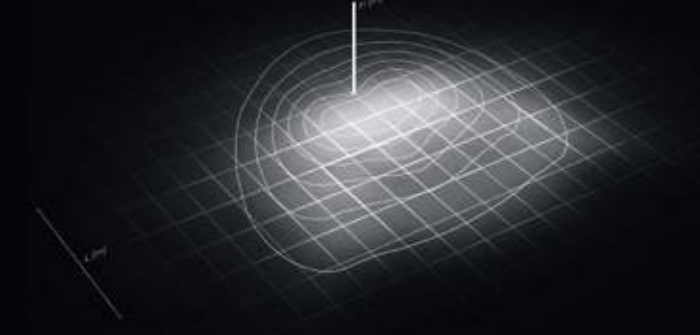


ECL

PB-01 Low Pole  
L / H = 2



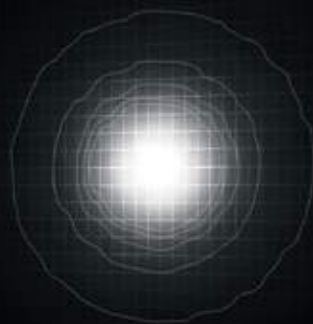
LT-64 Asymmetric Beam with backlight  
L / H = 2



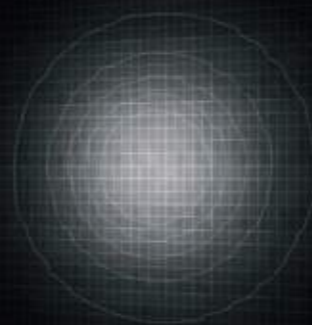
ECL

\* only for Spoon Wall

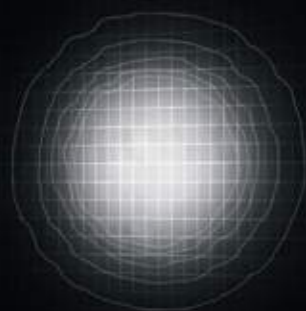
C 10° Narrow Beam \*



D 45° Wide Beam \*



M 25° Medium Beam \*



U-D 90° Diffused Beam \*



AS-D Asymmetric Diffused Beam

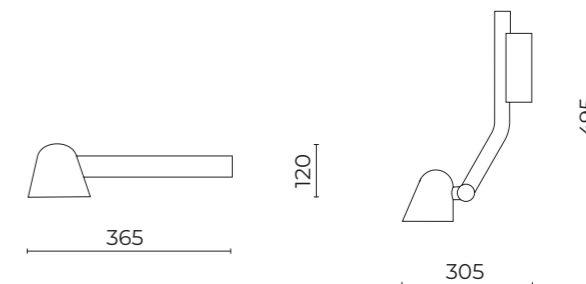


### Spoon Wall, Overdoor

#### DATI TECNICI / TECHNICAL DATA

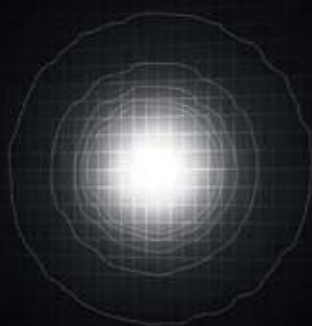
**Installazione / Installation:**  
parete, sopraporta / wall, overdoor

**Inclinazione / Inclination:**  
-120° + 30° (Spoon Wall)  
0° + 90° (Spoon Overdoor)

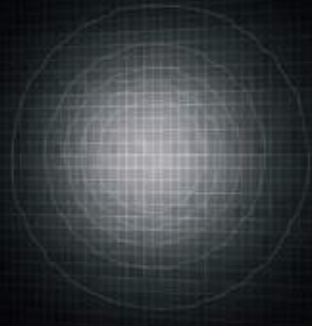




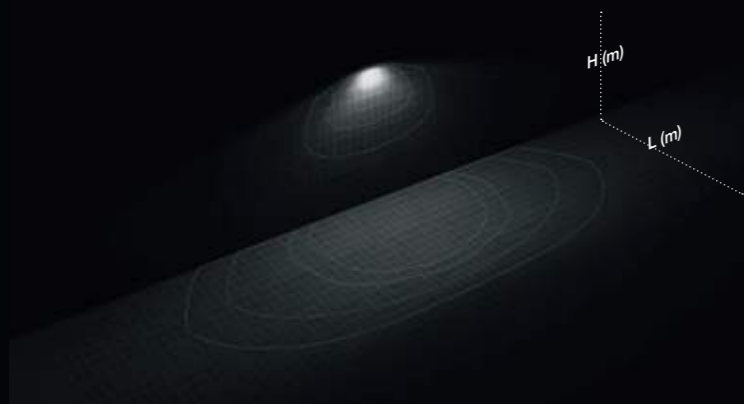
C 11° Narrow Beam



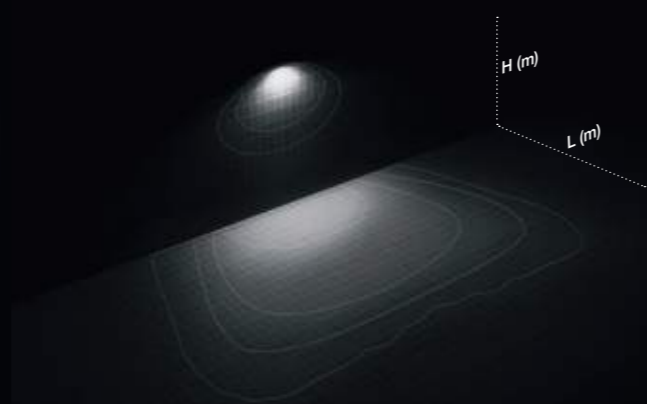
D 40° Wide Beam



ST-02 Narrow Street  
L / H = 0,75



LT-63 Assymetric Beam  
L / H = 2



**Spoon**  
Wall

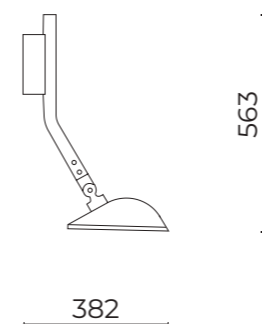
**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
parete / wall

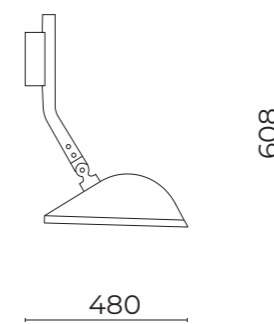
**Inclinazione / Inclination:**  
0° ÷ 90°



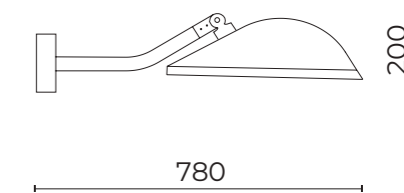
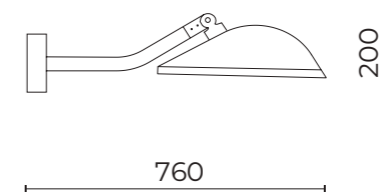
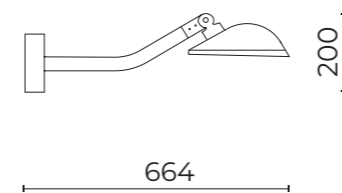
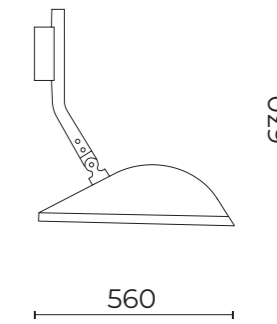
MEDIUM



LARGE



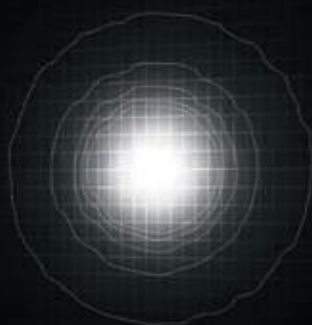
X-LARGE



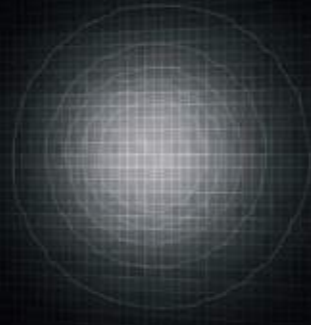
# Spoon

## OTTICHE / OPTICS

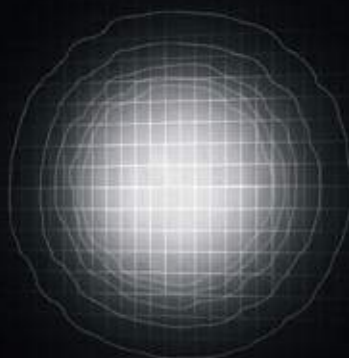
C 11° Narrow Beam



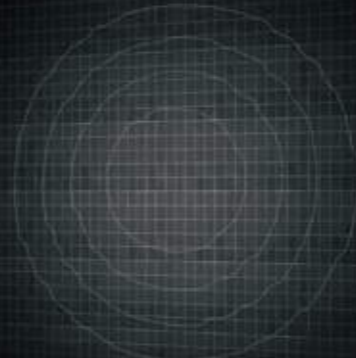
D 40° Wide Beam



M 25° Medium Beam



U-D 90° Diffused Beam



## Spoon Ceiling

### DATI TECNICI / TECHNICAL DATA

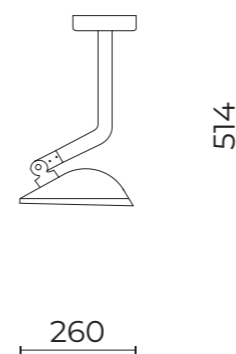
**Installazione** / Installation:  
soffitto / ceiling

**Inclinazione** / Inclination:  
0° ÷ 90°

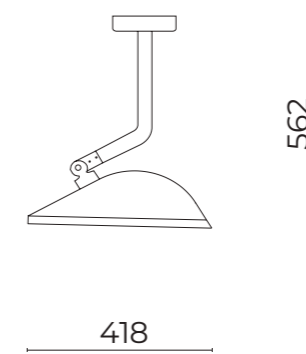


Cariboni Group

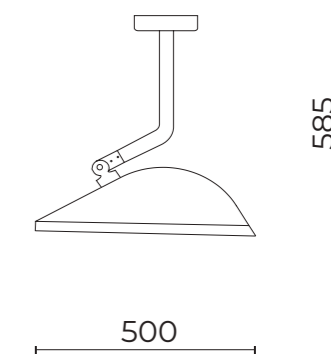
MEDIUM



LARGE



X-LARGE



**Metalmek Lighting B.V**

Canadabaan7-d  
5388 RT Nistelrode  
Tel. 0412-614033

[info@metalmek.nl](mailto:info@metalmek.nl)  
[www.metalmek.nl](http://www.metalmek.nl)

**Metalmek**

**Cariboni**  
group

 **LIVAL**

**NORDIC**  **ALUMINIUM**