ZANEEN_®

SPILLO 1 ROD RECESSED

	~ ^		
ΔĢ	ะก		
	าเม		

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

~-··-·	
Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL

FITTSICAL
Shape: Rectangle
Width (mm): 50
Width (in): 1 15/16
Height (mm): 200
Height (in): 7 1/8
Light Distribution: Adjustable
Fixture Finish: WHI / BLK / CHR / BGD
Fixture Material: Brass

ELECTRICAL

ELECTRICAL
Lamp Type: LED
Total Output Wattage (W): 2.64
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120 / 277Vac
Driver Class: Class 2
Input Voltage (V): 120 - 277
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming /

LED

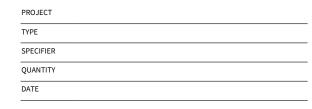
Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 220	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

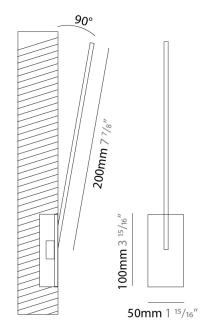
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





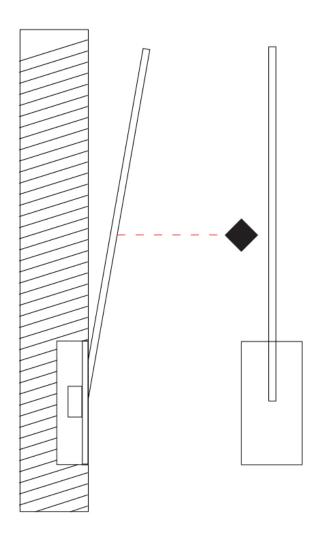






D46012-

PROJECT
ГҮРЕ
SPECIFIER
QUANTITY
DATE





SPILLO 1 ROD RECESSED

n	л	c	Λ	1	2	
v	4	O	u	Т	.5	-

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL
Shape: Rectangle
Width (mm): 50
Width (in): 1 15/16
Height (mm): 300
Height (in): 11 13/16
Light Distribution: Adjustable
Fixture Finish: WHI / BLK / CHR / BGD
Fixture Material: Brass

ELECTRICAL

LLECTRICAL
Lamp Type: LED
Total Output Wattage (W): 3.96
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120 / 277Vac
Driver Class: Class 2
Input Voltage (V): 120 - 277
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming /

277Vac LED

Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 330	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

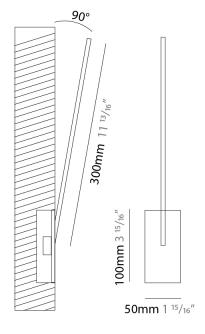
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: Certified for North American Standards}}$

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		



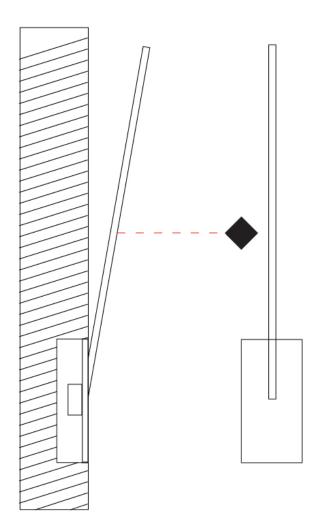






D46013-

PROJECT
ГҮРЕ
SPECIFIER
QUANTITY
DATE





SPILLO 1 ROD RECESSED

	4	_	^	4	А
IJ	4	b	U	1	4.

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL
Shape: Rectangle
Width (mm): 50
Width (in): 1 15/16
Height (mm): 400
Height (in): 15 ³ / ₄
Light Distribution: Adjustable
Fixture Finish: WHI / BLK / CHR / BGD
Fixture Material: Brass

ELECTRICAL

ELECTRICAL
Lamp Type: LED
Total Output Wattage (W): 4.8
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120Vac
Driver Class: Class 2
Input Voltage (V): 120
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming / 277Vac

LED

Color Temperature (°K): 2700 / 3000

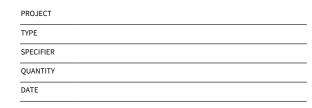
00101 Temperature (11)12100 / 0000	
Nominal Lumen (lm): 440	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

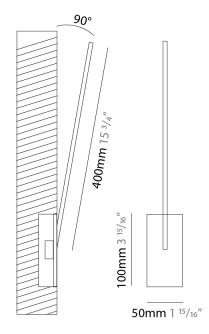
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: Certified for North American Standards}}$





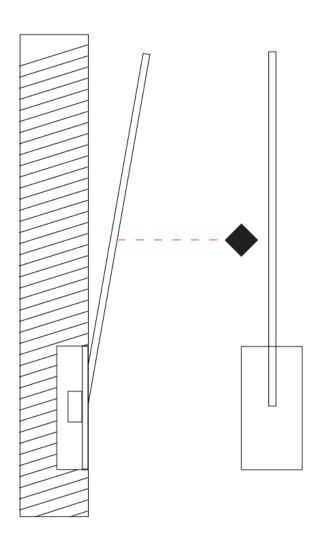






D46014-

PROJECT	
YPE	
SPECIFIER	
QUANTITY	
DATE	





SPILLO 1 ROD RECESSED

1)46015	

base numb

Color Finish Temperature Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

ELECTRICAL

ELECTRICAL
Lamp Type: LED
Total Output Wattage (W): 6.6
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120Vac
Driver Class: Class 2
Input Voltage (V): 120
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming / 277Vac

LED

Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 550	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

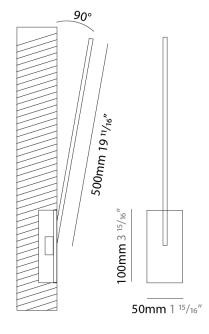
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





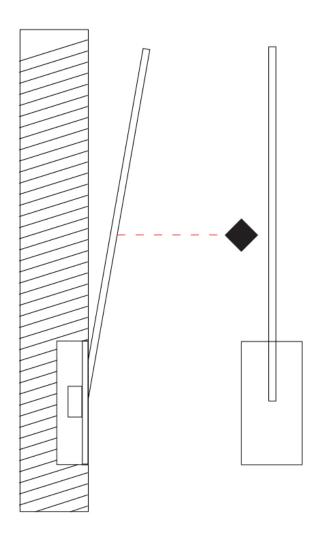






D46015-

PROJECT	
ГҮРЕ	_
SPECIFIER	_
QUANTITY	_
DATE	_





SPILLO 1 ROD RECESSED

D46016-

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL

PHYSICAL
Shape: Rectangle
Width (mm): 50
Width (in): 1 15/16
Height (mm): 600
Height (in): 23 ⁵ / ₈
Light Distribution: Adjustable
Fixture Finish: WHI / BLK / CHR / BGD
Fixture Material: Brass

ELECTRICAL

ELECTRICAL
Lamp Type: LED
Total Output Wattage (W): 7.92
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120Vac
Driver Class: Class 2
Input Voltage (V): 120
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming /

277Vac LED

Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 660	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

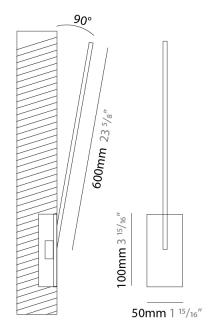
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: Certified for North American Standards}}$





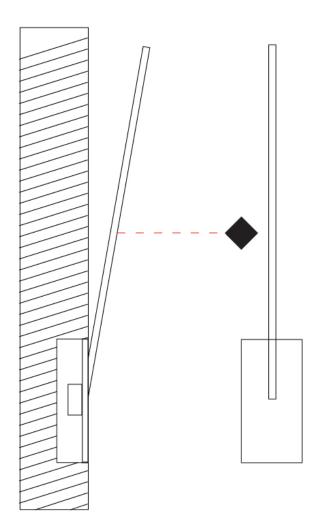






D46016-

PROJECT	
ТҮРЕ	_
SPECIFIER	_
QUANTITY	_
DATE	_





SPILLO 5 ROD RECESSED

_			_
\mathbf{n}		1 1	7
114	LN		/ -

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 5 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Ambient	

PHYSICAL
Shape: Abstract
Width (mm): 50
Width (in): 1 15/16
Height (mm): 1000
Height (in): 39 3/8
Light Distribution: Adjustable
Fixture Finish: WHI / BLK / CHR / BGD
Fixture Material: Brass

-	ELECTRICAL
I	Lamp Type: LED
1	Total Output Wattage (W): 45.72
[Dimming: 0-10V Dimming
[Driver Included: No
Ī	Driver Location: Remote
Ī	Driver Type: Constant Voltage - 120 / 277Vac
[Driver Class: Class 2
Ī	nput Voltage (V): 120 - 277
(Output Voltage (V): 12

Upon Request: (Not included, see components) 0-10Vdc dimming / 277Vac

LED

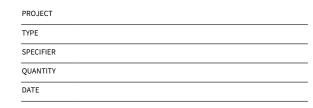
Color Temperature (°K): 2700 / 3000
Nominal Lumen (lm): 3850
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

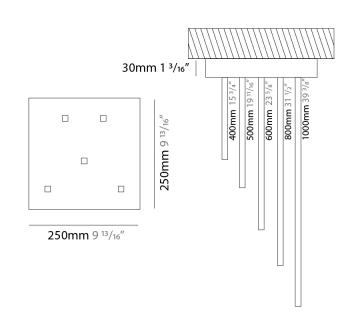
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





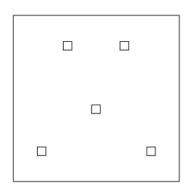


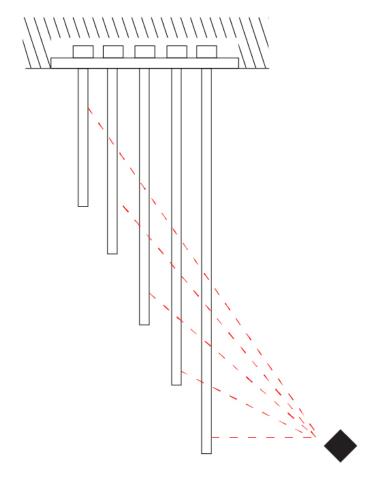




D46017-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	







SPILLO 1 ROD RECESSED

	_		_
\mathbf{n}_{I}	C (N 1	0
V4	O	UЛ	.0-

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL
Shape: Rectangle
Width (mm): 50
Width (in): 1 15/16
Height (mm): 800
Height (in): 31 ½
Light Distribution: Adjustable
Fixture Finish: WHI / BLK / CHR / BGD
Fixture Material: Brass

ELECTRICAL	
Lamp Type: LED	
Total Output Wattage (W): 10.56	6
Dimming: 0-10V Dimming	
Driver Included: No	
Driver Location: Remote	
Driver Type: Constant Voltage -	120Vac
Driver Class: Class 2	
Input Voltage (V): 120	
Output Voltage (V): 12	
Upon Poguesti (Not included s	as sampanants) 0 101/ds dimming/

277Vac

Upon Request: (Not included, see components) 0-10Vdc dimming /

LED

Color Temperature (°K): 2700 / 3000 Nominal Lumen (lm): 880

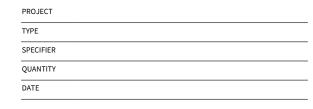
CRI: >90 CRI Lamp Life (hrs): 50000

OPTICAL

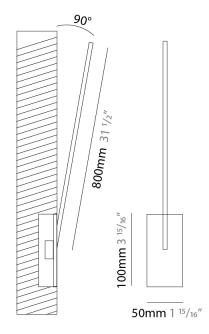
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





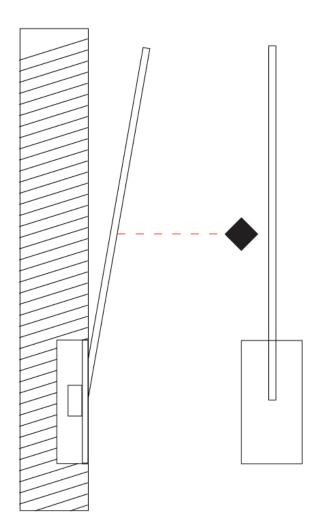






D46018-

PROJECT
ГҮРЕ
SPECIFIER
QUANTITY
DATE





SPILLO 1 ROD RECESSED

_	•	~	^	•	^	
	4					

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL	
Shape: Rectangle	
Width (mm): 50	
Width (in): 1 15/16	
Height (mm): 200	
Height (in): 7 1/8	
Light Distribution: Adjustable	
Fixture Finish: WHI / BLK / CHR / BGD	
Fixture Material: Brass	

ELECTRICAL

ELECTRICAL
Lamp Type: LED
Total Output Wattage (W): 2.64
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120 / 277Vac
Driver Class: Class 2
Input Voltage (V): 120 - 277
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming /

LED

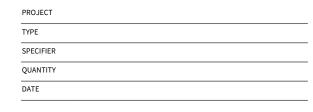
Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 220	
CRI: >90 CRI	·
Lamp Life (hrs): 50000	

OPTICAL

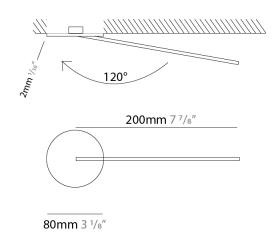
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





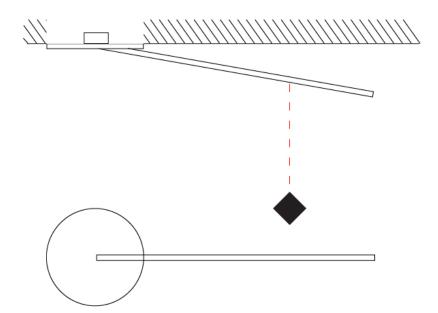






D46020-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	





SPILLO 1 ROD RECESSED

D46021-

base number

Color Finish Temperature Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

ELECTRICAL

ELECTRICAL
Lamp Type: LED
Total Output Wattage (W): 3.96
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120 / 277Vac
Driver Class: Class 2
Input Voltage (V): 120 - 277
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming / 277Vac

LED

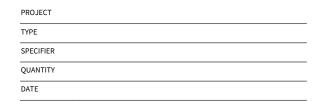
Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 330	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

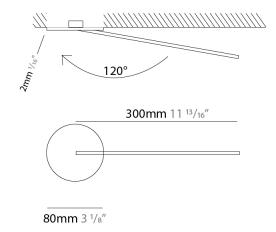
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





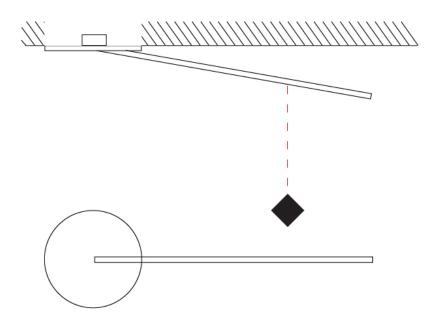






D46021-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	







SPILLO 1 ROD ROUND BASE RECESSED

D4	61	าว	ว _
υ4	งเ	JΖ	Z -

hase numb

Color Finish
Temperature Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod Round Base	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	

ubcategory: Ambient	
HYSICAL	
hape: Rectangle	
/idth (mm): 50	
/idth (in): 1 15/16	
leight (mm): 400	
leight (in): 15 ¾	
ight Distribution: Adjustable	
ixture Finish: WHI / BLK / CHR / BGD	
ixture Material: Brass	

ELECTRICAL

Lamp Type: LED
Total Output Wattage (W): 4.8
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120Vac
Driver Class: Class 2
Input Voltage (V): 120
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming / 277Vac

LED

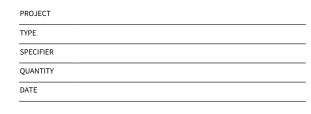
Color Temperature (°K): 2700 / 3000
Nominal Lumen (lm): 440
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

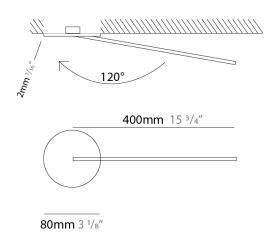
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: Certified for North American Standards}}$







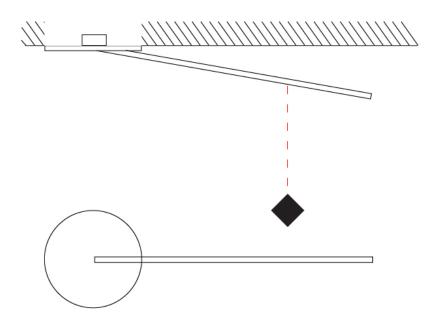




SPILLO 1 ROD ROUND BASE RECESSED

D46022-

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		





SPILLO 1 ROD RECESSED

D46023-

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL	
Shape: Rectangle	
Width (mm): 50	
Width (in): 1 15/16	
Height (mm): 500	
Height (in): 19 11/16	
Light Distribution: Adjustable	
Fixture Finish: WHI / BLK / CHR / BGD	
Fixture Material: Brass	

ELECTRICAL

Lamp Type: LED
Total Output Wattage (W): 6.6
Dimming: 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120Vac
Driver Class: Class 2
Input Voltage (V): 120
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming / 277Vac

LED

Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 550	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

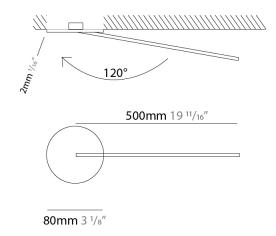
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: Certified for North American Standards}}$





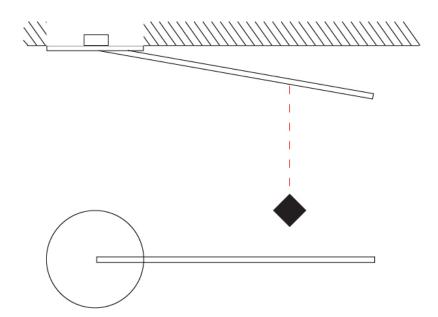






D46023-

PROJECT
ГҮРЕ
SPECIFIER
QUANTITY
DATE





SPILLO 1 ROD RECESSED

D46024-

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL	
Shape: Rectangle	
Width (mm): 50	
Width (in): 1 15/16	
Height (mm): 600	
Height (in): 23 ⁵ / ₈	
Light Distribution: Adjustable	
Fixture Finish: WHI / BLK / CHR / BGD	
Fixture Material: Brass	

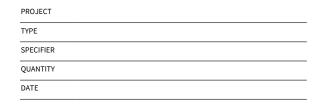
ELECTRICAL

Lamp Type: LED
Total Output Wattage (W): 7.92
Dimming: Non-Dimmable
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120Vac
Driver Class: Class 2
Input Voltage (V): 120
Output Voltage (V): 12
Upon Request: (Not included, see components) 0-10Vdc dimming /

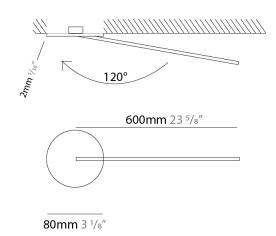
Upon Request: (Not included, see components) 0-10Vdc dimming /	
277Vac	
LED	
Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 660	
CRI: >90 CRI	
Lamp Life (hrs): 50000	
OPTICAL	
Adjustability: Tilt 120°	

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards	
IP rating: IP20	





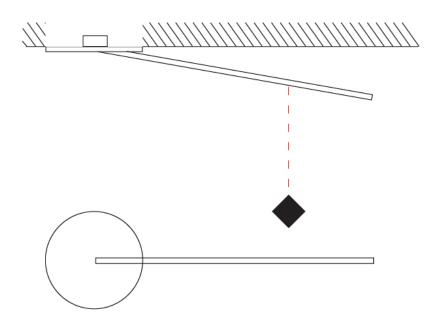






D46024-

PROJECT	
ТҮРЕ	_
SPECIFIER	_
QUANTITY	_
DATE	_





SPILLO 1 ROD RECESSED

D46025-

base number

Color	Finish
Temperature	Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Spillo	
Subseries: Spillo 1 Rod	
Brand: Icone	
Division: Design	
Mounting Type: Recessed	
Mounting Location: Wall	
Subcategory: Ambient	

PHYSICAL	
Shape: Rectangle	
Width (mm): 50	
Width (in): 1 ¹⁵ / ₁₆	
Height (mm): 800	
Height (in): 31 ½	
Light Distribution: Adjustable	
Fixture Finish: WHI / BLK / CHR / BGD	
Fixture Material: Brass	

ELECTRICAL

p Type: LED	
l Output Wattage (W): 10.56	
ming: 0-10V Dimming	
er Included: No	
er Location: Remote	
er Type: Constant Voltage - 120Vac	
er Class: Class 2	
t Voltage (V): 120	
out Voltage (V): 12	
n Request: (Not included, see components) 0-10Vdc dimming /ac	/

LED

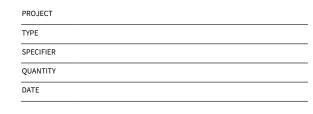
Color Temperature (°K): 2700 / 3000	
Nominal Lumen (lm): 880	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

OPTICAL

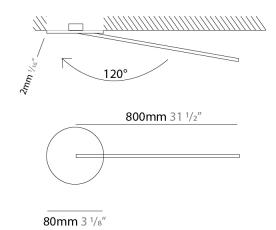
Adjustability: Tilt 120°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





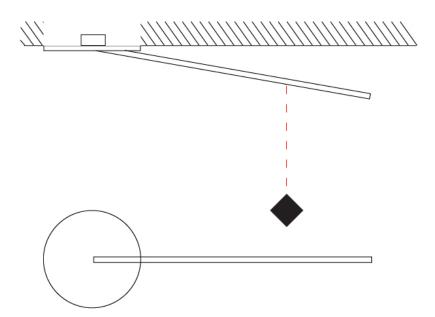






D46025-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	







SPILLO

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		

Fixture Finish

White - WHI







Digital: Not all screens are calibrated the same, and therefore, colors will appear differently between screens. **Physical:** When texture is involved, there will be variations in color, character and tone within a product series and between product families.





SPILLO

	PROJECT
	TYPE
	SPECIFIER
	QUANTITY
	DATE

LEGEND

100				-	1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<u></u>	floor-mounted	¥	pivotable	⊛	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	C	rotating	0	warm dim / natural dimming LED
\uparrow	ceiling-mounted and wall-mounted	Œ	illuminate tilted	0	rechargeable battery powered
\rightarrow	wall-mounted	I	color of suspension cable	in the second	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	1	length of suspension cable	CRI	color rendering index
À	direct light distribution	Δ	reflector degree selection	℃	color temperature
X	direct/indirect light distribution	s s	super spot	(LM)	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩	efficacy (lumens per watt)
	asymmetric light distribution	8	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
$\overline{\Lambda}$	aura light distribution	0	shine ring	*	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	\odot	integrated shine ring with diffuser	30	walk on
\Box	square wall or ceiling cut-out		free individual colors 01-29	②	drive on
4	the supplied jig specifies the cutout dimensions	Ĉ	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
□ ←,→	minimum distance (meters) lamp - object	♦	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
$\hat{\pm}$	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
<u></u>	ceiling thickness in mm		luminaire part to be colored (F3)	4	blown glass using traditional methods by master glass blower
1	ceiling thickness selection		luminaire part to be colored (F4)	()	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	•	luminaire part to be colored (F5)		protection class I, protection insulation
	included or excluded LED driver/transformer/ control gear	•	color of 3-circuit adaptor		protection class II, protection insulation
8	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards
•	sensor	0	direct diffuser	շ (Մ) սո	UL Certified to UL and CSA Standards
	remote control	1	ball-proof (upon request)	(II)	CSA Certified to UL and CSA Standards
9	available upon request	O	accessory	Z	Certified for North American Standards

IP RATING

IP20	protected against ingress of solid bodies greater than 12.5mm (finger)
IP33	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
IP40	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
IP43	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
IP44	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
IP65	protected against ingress of dust protected against jets of water
IP66	protected against ingress of dust protected against powerful jets of water or heavy seas
IP67	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
IP68	protected against ingress of dust protected against immersion of water under pressure for long periods

IK RATING

above the surface)

IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
ІКОЗ	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
1K06	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface) $$
IKOB	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)

protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm