

#### **SUSPENSION**

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A300121	•	-	-	-	-		-
base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Finishes (Circle)	Reflector Options	Shine Ring	Cable Color 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: Hangover	
Subseries: Hangover Monopoint Recessed Canopy	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	

Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): 1 ½
Height (mm): 300
Height (in): 11 13/16
Max. Overall Height (mm): 2300
Max. Overall Height (in): 90 $^9\!\!/_{16}$
Light Distribution: Downlight
Diffuser: Shine Ring 0-6

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cable Details: 2000mm / 6000mmm Cable in White / Black / Orange / Red

Cut-out Measurements: 68mm / 2 11/16"

ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 10.9
Total Output Wattage (W): 9
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: External
Driver Type: Constant Curren
Driver Class: Class 2
Input Voltage (V): 120
Constant Current (MA): 500
Upon Request: Remote: 0-10Vdc dimming / Phase dimming 120Vac
LED
Number of LEDs: 1
(01) 7 (01) 0700 10000 11000

Color Temperature (°K): 2700 / 3000 / 4000 Max. Delivered Lumen (lm): 842 CRI: >90 CRI Lamp Life (hrs): 50000 Upon Request: \*\*\*3500K available in minimum quantities (larger

#### OPTICAL

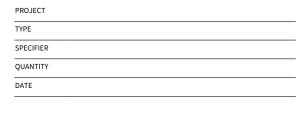
Reflector°: 40 / 50

quantities upon request)

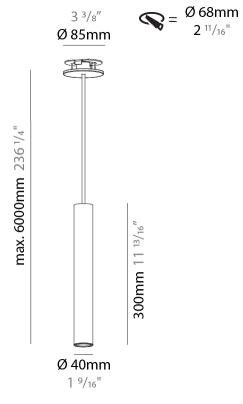
#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20







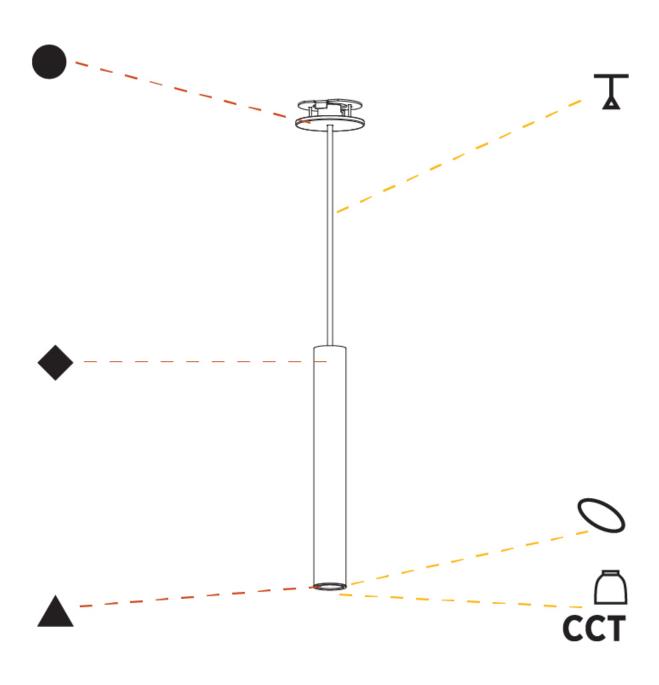




**SUSPENSION** 

A300151-

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#### **SUSPENSION**

A300158-							
base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Finishes (Circle)	Reflector Options	Shine Ring	Cable Color 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: Hangover	
Subseries: Hangover Monopoint Recessed Canopy	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcatagony Bondant	

Subcategory: Pendant
PHYSICAL
Shape: Cylinder
Diameter (mm): 75
Diameter (in): 2 15/16
Height (mm): 300
Height (in): 11 13/16
Max. Overall Height (mm): 2300
Max. Overall Height (in): 90 %
Light Distribution: Downlight
Diffuser: Shine Ring 0-6
5'

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

quantities upon request)

Reflector°: 18 / 36 / 52

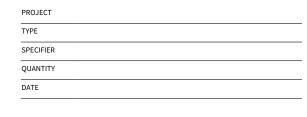
**RATINGS AND CERTIFICATIONS** 

**OPTICAL** 

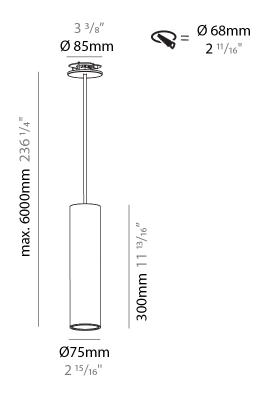
IP rating: IP20

Cable Details: 2000mm / 6000mmm Cable in White / Black / Orange / Red

Cut-out Measurements: 68mm / 2 11/16"
ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 10.9
Total Output Wattage (W): 9
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: External
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: ENCP3 w/Quick Connect
Input Voltage (V): 120 - 277
Constant Current (MA): 500
LED
Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 4000
Max. Delivered Lumen (lm): 923
CRI: >90 CRI
Lamp Life (hrs): 50000
Upon Request: ***3500K available in minimum quantities (larger









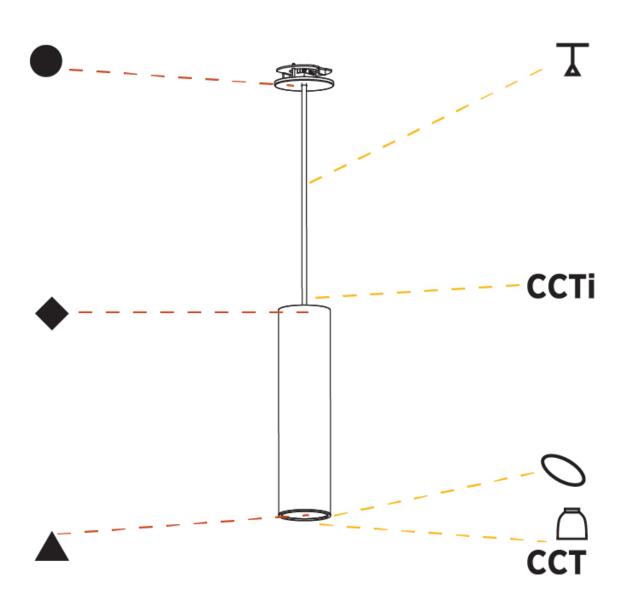
Certified By: Certified for North American Standards



**SUSPENSION** 

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#### **SUSPENSION**

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A300129-					-		-
base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Finishes (Circle)	Reflector Options	Shine Ring	Cable Color 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: Hangover	
Subseries: Hangover Monopoint Recessed Canopy	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	

Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Cylinder
Diameter (mm): 75
Diameter (in): 2 15/16
Height (mm): 300
Height (in): 11 <sup>13</sup> / <sub>16</sub>
Max. Overall Height (mm): 2300
Max. Overall Height (in): 90 %
Light Distribution: Direct / Indirect / Downlight
Diffuser: Shine Ring 0-6

Diffuser: Stiffle King 0-0

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

quantities upon request)

Reflector°: 18 / 36 / 52

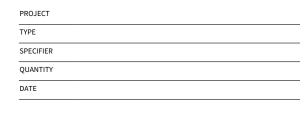
**RATINGS AND CERTIFICATIONS** 

**OPTICAL** 

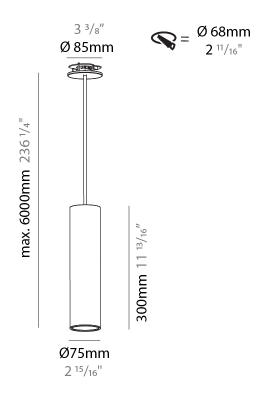
IP rating: IP20

Cable Details: 2000mm / 6000mmm Cable in White / Black / Orange / Red

Cut-out Measurements: 68mm / 2 11/16"









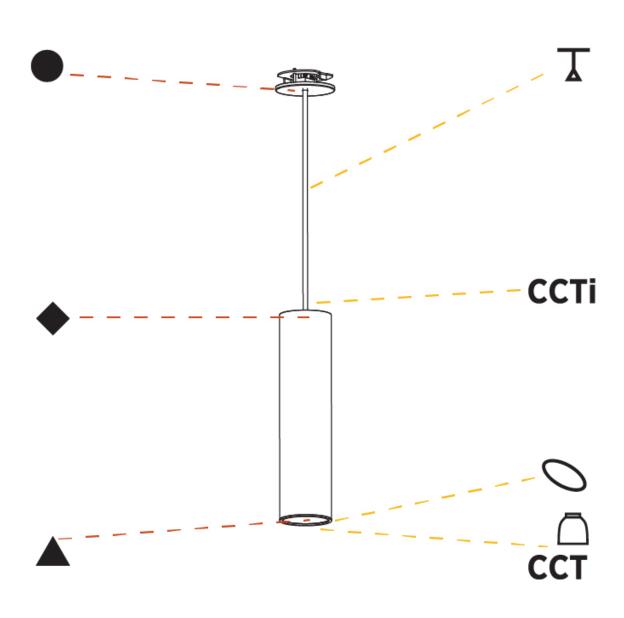
Certified By: Certified for North American Standards



**SUSPENSION** 

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## HANGOVER MONOPOINT SURFACE CANOPY

#### **SUSPENSION**

A300161.	•				-		
base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Finishes (Circle)	Reflector Options	Shine Ring	Cable 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: Hangover
Subseries: Hangover Monopoint Surface Canopy
Brand: Prolicht
Division: Architectural
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

Mounting I	Location: Ceiling
Subcatego	ry: Pendant
PHYSICAL	
Shape: Cyl	inder
Diameter (	mm): 75
Diameter (	in): 2 <sup>15</sup> / <sub>16</sub>
Height (mr	n): 300
Height (in)	: 11 13/16
Max. Overa	all Height (mm): 2300
Max. Overa	all Height (in): 90 1/16
Light Distri	ibution: Direct / Indirect
Diffuser: Sl	hine Ring 0-6

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

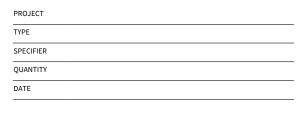
Cable Details: 2000mm / 6000mmm Cable in White / Black / Orange / Red

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 20.8 Total Output Wattage (W): 19 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: Yes Driver Location: External Driver Type: Constant Current - Universal Driver Class: Class 2 Housing: ENCP3
Total Output Wattage (W): 19 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: Yes Driver Location: External Driver Type: Constant Current - Universal Driver Class: Class 2
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)  Driver Included: Yes  Driver Location: External  Driver Type: Constant Current - Universal  Driver Class: Class 2
and 0-10V Dimming)  Driver Included: Yes  Driver Location: External  Driver Type: Constant Current - Universal  Driver Class: Class 2
Driver Location: External Driver Type: Constant Current - Universal Driver Class: Class 2
Driver Type: Constant Current - Universal Driver Class: Class 2
Driver Class: Class 2
Housing: ENCP3
Input Voltage (V): 120 - 277
Constant Current (MA): 500
LED
Number of LEDs: 2
Color Temperature (°K): 2700 / 3000 / 4000

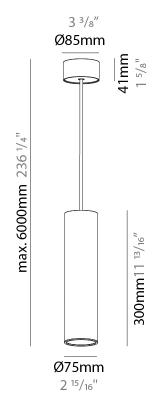
Number of LEDs: 2
Color Temperature (°K): 2700 / 3000 / 4000
Max. Delivered Lumen (lm): 1821
CRI: >90 CRI
Efficiency (%): 86
Lamp Life (hrs): 50000
OPTICAL
Reflector°: 18 / 36 / 52

#### **RATINGS AND CERTIFICATIONS**

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









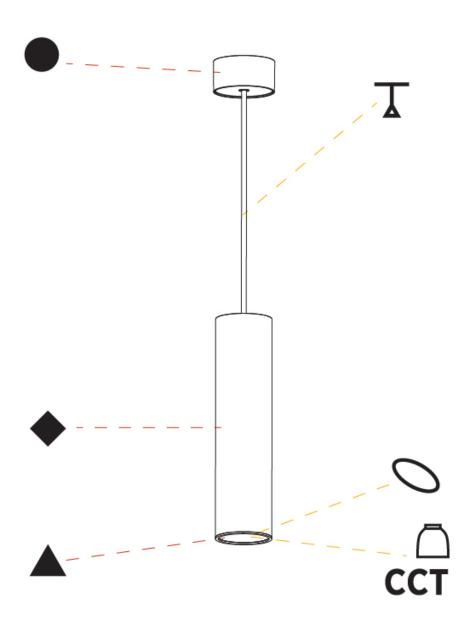


# HANGOVER MONOPOINT SURFACE CANOPY

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## HANGOVER PLUG MONOPOINT RECESSED **CANOPY SUSPENSION**

A30840		-	_	-	-	-
base number	Color	Finishes	Finishes	Finishes	Lens	Cable
	Temperature	(Diamond)	(Triangle)	(Circle)	Options	Options

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

#### **GENERAL**

Subseries: Hangover Plug Monopoint Recessed Canopy

Brand: Prolicht

Division: Architectural

Mounting Type: Suspension

Mounting Location: Ceiling

Subcategory: Pendant

#### **PHYSICAL**

Sha	ne:	Cv	lin	der

Diameter (mm): 28

Diameter (in): 1 1/8

Height (mm): 300 Height (in): 11 1/16

Max. Overall Height (mm): 2300

Max. Overall Height (in): 90 %

Min. Recessing Depth (mm): 75

Min. Recessing Depth (in): 2 15/16

Light Distribution: Downlight

Weight (kg): 0.389

Weight (lbs): 0.856

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cable Details: 2000mm or 4000mm Black Cable

Cut-out Measurements: 68mm / 2 11/16"

#### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 6.6

Total Output Wattage (W): 6

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)

Driver Included: Yes

Driver Location: External

Driver Type: Constant Current - Universal

Driver Class: Class 2

Housing: ENCP3 w/Quick Connect

Input Voltage (V): 120 - 277

Constant Current (MA): 500

#### LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 330 / 360 / 380

CRI: >90 CRI

Lamp Life (hrs): 50000

Upon Request: \*\*\*3500K available in minimum quantities (larger

quantities upon request)

#### OPTICAL

Opticº: 24 / 32 / 34 / 55 / 58

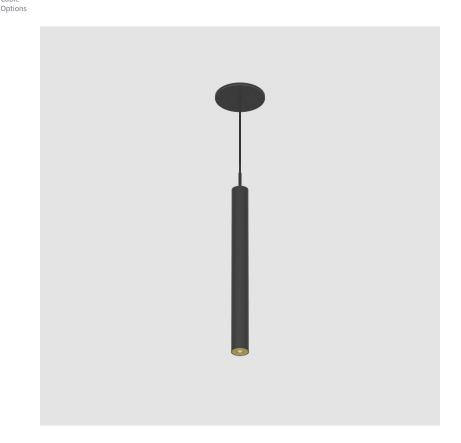
#### **RATINGS AND CERTIFICATIONS**

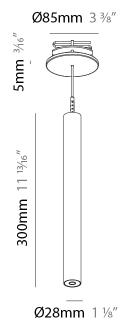
Certified By: Certified for North American Standards

IP rating: IP20

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**PROJECT** TYPE SPECIFIER QUANTITY DATE







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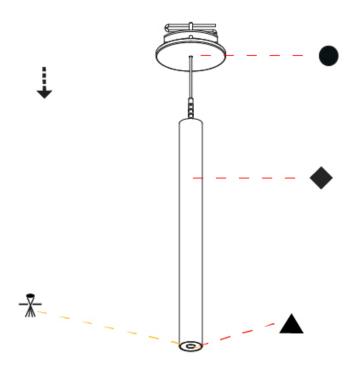
<sup>2.</sup> To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #



# HANGOVER PLUG MONOPOINT RECESSED CANOPY SUSPENSION

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# HANGOVER PLUG SHINE MONOPOINT RECESSED CANOPY SUSPENSION

A30843	; <b>-</b>	-	-	-	-	-	-	
base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Finishes (Circle)	Lens Options	Shine Ring	Cable 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: Hangover

Subseries: Hangover Plug Shine Monopoint Recessed Canopy

Brand: Prolicht

Division: Architectural

Mounting Type: Suspension

Mounting Location: Ceiling

Subcategory: Pendant

#### **PHYSICAL**

Shape: Cylinder

Diameter (mm): 28

Diameter (in): 1 1/8

Height (mm): 300

Max. Overall Height (mm): 2300

Max. Overall Height (in): 90 %

Min. Recessing Depth (mm): 75

Min. Recessing Depth (in): 2 15/16

Light Distribution: Downlight

Weight (kg): 0.63

Weight (lbs): 1.39

Diffuser: Shine Ring - Opal / Yellow / Orange / Red / Blue / Green

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cable Details: 2000mm or 4000mm Black Cable

Cut-out Measurements: 68mm / 2 11/16"

#### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 6.6

Total Output Wattage (W): 6

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)

and 0-10V Dimming)

Driver Included: Yes

Driver Location: External

Driver Type: Constant Current - Universal

Driver Class: Class 2

Housing: ENCP3 w/Quick Connect

Input Voltage (V): 120 - 277

Constant Current (MA): 500

#### LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 330 / 360 / 380

CRI: >90 CRI

Lamp Life (hrs): 50000

Upon Request: \*\*\*3500K available in minimum quantities (larger quantities upon request)

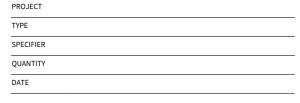
OPTICAL

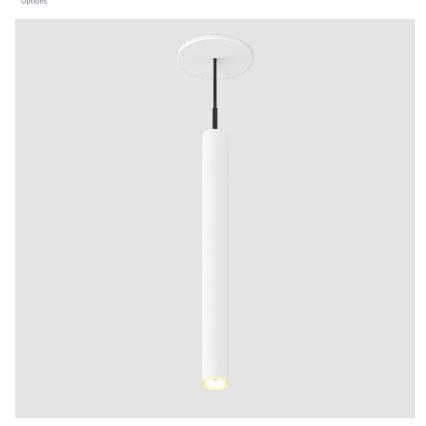
Optic°: 24 / 32 / 58

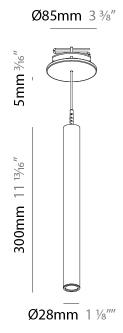
#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

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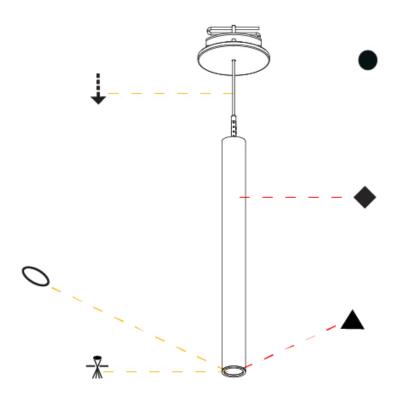
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# HANGOVER PLUG SHINE MONOPOINT RECESSED CANOPY SUSPENSION

A30843-

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TYPE			
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### HANGOVER PLUG MONOPOINT SURFACE CANOPY

#### **SUSPENSION**

A30845	<b>-</b> .	_	-	-	-	-
base number	Color	Finishes	Finishes	Finishes (Circle)	Lens	Cable

- 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**

Subseries: Hangover Plug Monopoint Surface Canopy

Brand: Prolicht

Division: Architectural

Mounting Type: Suspension

Mounting Location: Ceiling

Subcategory: Pendant

#### **PHYSICAL**

Shape: Cylinder

Diameter (mm): 28

Diameter (in): 1  $\frac{1}{8}$ 

Height (mm): 300 Height (in): 11 <sup>13</sup>/<sub>16</sub>

Max. Overall Height (mm): 2300

Max. Overall Height (in): 90 %

Light Distribution: Downlight

Weight (kg): 0.75

Weight (lbs): 1.65

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cable Details: 2000mm or 4000mm Black Cable

#### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 6.6

Total Output Wattage (W): 6

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)

and 0-10V Dimming)

Driver Included: Yes

Driver Location: External

Driver Type: Integral LED Driver - Universal

Driver Class: Class 2

Housing: ENCP3 w/quick connect

Input Voltage (V): 120 - 277

Constant Current (MA): 500

#### LED

#### Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 330 / 360 / 380

CRI: >90 CRI

Efficiency (%): 86

Lamp Life (hrs): 50000

Upon Request: \*\*\*3500K available in minimum quantities (larger

quantities upon request)

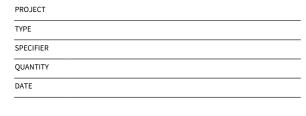
#### OPTICAL

Optic°: 24 / 32 / 34 / 55 / 58

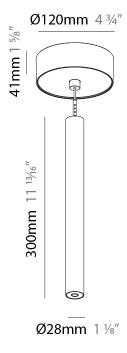
#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20









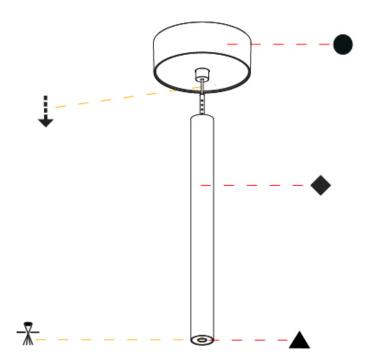


# HANGOVER PLUG MONOPOINT SURFACE CANOPY

**SUSPENSION** 

A30845-

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TYPE	
SPECIFIER	_
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# HANGOVER PLUG SHINE MONOPOINT SURFACE **CANOPY SUSPENSION**

A30848-		-	-	-	-	-	-
base number	Color	Finishes	Finishes	Finishes	Lens	Shine Ring	Cable

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oase number		Finishes	Finishes	Finishes	Lens	Shine Ring	Cable	

- 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:	Hangover

Subseries: Hangover Plug Shine Monopoint Surface Canopy

Brand: Prolicht

Division: Architectural

Mounting Type: Suspension

Mounting Location: Ceiling

Subcategory: Pendant

#### **PHYSICAL**

Shape: Cylinder

Diameter (mm): 28

Diameter (in): 1 1/8

Height (mm): 300

Height (in): 11 13/16

Max. Overall Height (mm): 2300 Max. Overall Height (in): 90 \%

Light Distribution: Downlight

Weight (kg): 0.63

Weight (lbs): 1.39

Diffuser: Shine Ring - Opal / Yellow / Orange / Red / Blue / Green

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cable Details: 2000mm or 4000mm Black Cable

#### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 6.6

Total Output Wattage (W): 6

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)

and 0-10V Dimming)

Driver Included: Yes

Driver Location: External

Driver Type: Constant Current - Universal Driver Class: Class 2

Housing: ENCP3 w/quick connect Input Voltage (V): 120 - 277

Constant Current (MA): 500

#### LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 4000 Max. Delivered Lumen (lm): 330 / 350 / 370

CRI: >90 CRI

Efficiency (%): 86

Lamp Life (hrs): 50000

Upon Request: \*\*\*3500K available in minimum quantities (larger

quantities upon request)

#### OPTICAL

Optic°: 24 / 32 / 58

#### **RATINGS AND CERTIFICATIONS**

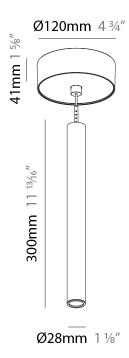
Certified By: Certified for North American Standards

IP rating: IP20



**PROJECT** TYPE SPECIFIER

QUANTITY DATE





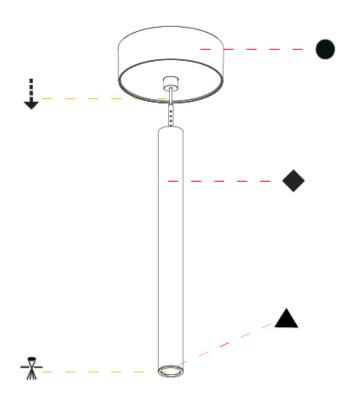
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# HANGOVER PLUG SHINE MONOPOINT SURFACE CANOPY SUSPENSION

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### **HANGOVER**

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DATE	

#### **Fixture Finish**



Digital: Not all screens are calibrated the same, and therefore, colors will appear differently betwee Physical: When texture is involved, there will be variations in color, character and tone within a pro



and between product families.



# **HANGOVER**

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	<b>℃</b>	color temperature
X	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
M	indirect light distribution	*	lens	₩	efficacy (lumens per watt)
	asymmetric light distribution	$\otimes$	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	0	integrated shine ring with diffuser	30	walk on
ZŢ	square wall or ceiling cut-out		free individual colors 01-29	<b>②</b>	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
<b>□</b> ←,+	minimum distance (meters) lamp - object	<b>♦</b>	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
$\pm$	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)	<b>●</b> ®	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
み	separately switchable	$\odot$	indirect diffuser		ETL Certified to UL and CSA Standards
<b>•</b>	sensor	0	direct diffuser	շ <b>(</b> Մ) սո	UL Certified to UL and CSA Standards
	remote control	1	ball-proof (upon request)	<b>(II</b> )	CSA Certified to UL and CSA Standards
9	available upon request	O	accessory	<b>Z</b>	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)

100000	281994000 PA-24594000 DECEMBER OF THE PARTY
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)
IK06	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)
IK08	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