### HANGOVER MONOPOINT RECESSED CANOPY

**SUSPENSION** 

A300150		-	-	-	-	-	-
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

GENERAL
Series: Hangover
Subseries: Hangover Monopoint Recessed Canopy
Brand: Prolicht
Division: Architectural
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): $1^{9}_{16}$
Height (mm): 150
Height (in): $5\frac{7}{8}$
Max. Overall Height (mm): 2150
Max. Overall Height (in): 84 %
Min. Recessing Depth (mm): 75
Min. Recessing Depth (in): $2\frac{1}{16}$
Light Distribution: Downlight
Weight (kg): 0.389
Weight (lbs): 0.856
Diffuser: Shine Ring 0-6
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MY
LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CH( 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 Current
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
Color Temperature (°K): 2700 / 3000 / 4000
Max. Delivered Lumen (Im): 842
CRI: >90 CRI
Lamp Life (hrs): 50000
Upon Request: ***3500K available in minimum quantities (larger
quantities upon request)

#### OPTICAL

Reflector°: 40 / 50

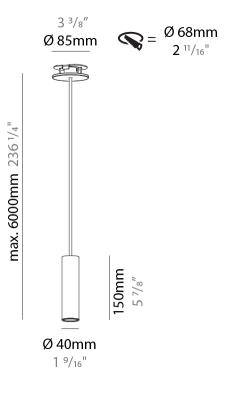
#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

**ቷ ምክፍቂቲ ፣ የርያሪ ሀ ይዲሳ**ር. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



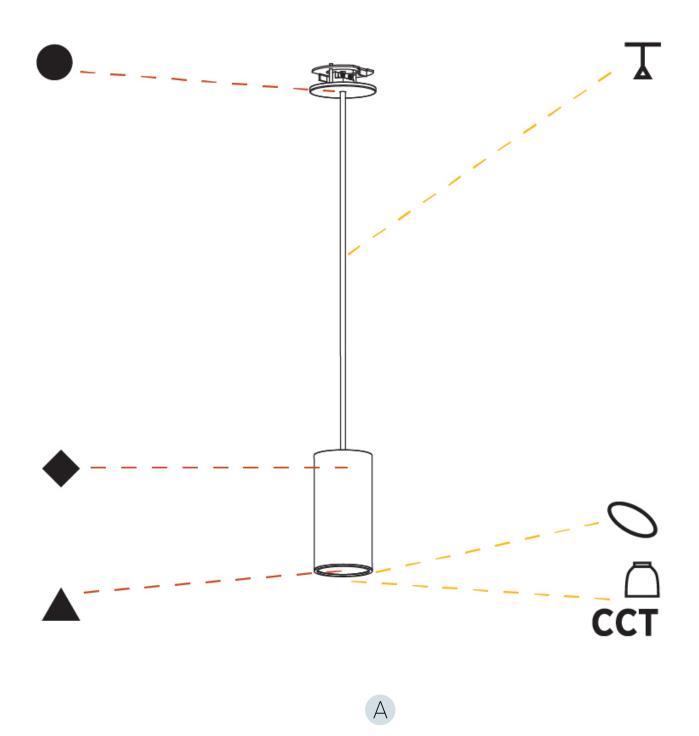
HANGOVER MONOPOINT RECESSED CANOPY

**SUSPENSION** 

A300150-

PROJECT	
---------	--

ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

### HANGOVER MONOPOINT RECESSED CANOPY

**SUSPENSION** 

#### A300151-----

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

GENERAL	
Series: Hango	ver
Subseries: Ha	ngover Monopoint Recessed Canopy
Brand: Prolich	nt
Division: Arch	itectural
Mounting Typ	be: Suspension
Mounting Loc	ation: Ceiling
Subcategory:	Pendant
PHYSICAL	
Shape: Cylind	ler
Diameter (mn	n): 40
Diameter (in):	: 1 %16
Height (mm):	300
Height (in): 11	L <sup>13</sup> / <sub>16</sub>
	Height (mm): 2300
Max. Overall H	Height (in): 90 %
Light Distribu	tion: Downlight
Diffuser: Shin	e Ring 0-6
	: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG ,
	RO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /
	AG / OBR / MOS / ROR
	ial: Aluminum
Red	2000mm / 6000mmm Cable in White / Black / Orange /
	urements: 68mm / 2 11/16"
ELECTRICAL	
	ED (Zhaga Standard)
Input Wattage	
	Wattage (W): 9
Dimming: Nor	
Driver Include	
Driver Locatio	
	Constant Curren
Driver Class: 0	
Input Voltage	
Constant Curi	
	t: Remote: 0-10Vdc dimming / Phase dimming 120Vac
LED	
Number of LE	Dev 1
	rature (°K): 2700 / 3000 / 4000
	d Lumen (lm): 842
CRI: >90 CRI	

Lamp Life (hrs): 50000

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

#### OPTICAL Reflector°: 40 / 50

#### RATINGS AND CERTIFICATIONS

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

DATE			
QUANTITY			
SPECIFIER			
TYPE			
PROJECT			

options		
A	3 3/8′ Ø 85m ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	10 300000 11/16"

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

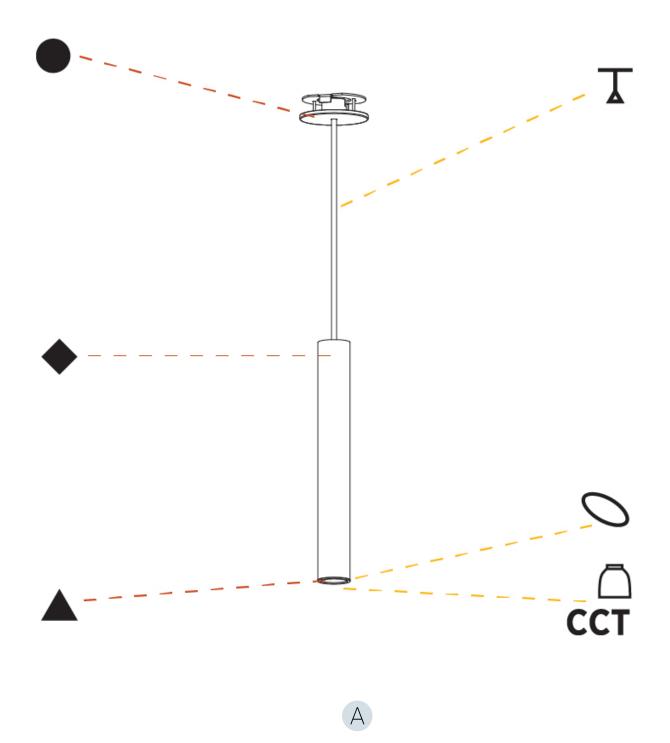
September 21, 2024, 3:03 am

HANGOVER MONOPOINT	<b>RECESSED CANOPY</b>	

**SUSPENSION** 

A300151-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

September 21, 2024, 3:03 am

### HANGOVER MONOPOINT RECESSED CANOPY

**SUSPENSION** 

#### A300152-Reflector Shine Ring Cable Color base number Finishes Finishes Temperature (Diamond) (Triangle) (Circle) Options 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

GENERAL	
Series: Hangover	
Subseries: Hangover M	onopoint Recessed Canopy
Brand: Prolicht	
Division: Architectural	
Mounting Type: Susper	nsion
Mounting Location: Ce	iling
Subcategory: Pendant	
PHYSICAL	
Shape: Cylinder	
Diameter (mm): 40	
Diameter (in): 1 %	
Height (mm): 450	
Height (in): 17 <sup>11</sup> / <sub>16</sub>	
Max. Overall Height (m	m): 2450
Max. Overall Height (in	): 96 1/16
Light Distribution: Dow	vnlight
Diffuser: Shine Ring 0-6	<u></u>
	(V / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / / MOS / ROR
Fixture Material: Alumi	num
Cable Details: 2000mm Red	/ 6000mmm Cable in White / Black / Orange /
Cut-out Measurements	s: 68mm / 2 11/16"
ELECTRICAL	
Lamp Type: LED (Zhaga	a Standard)
Input Wattage (W): 10.9	
Total Output Wattage (	(W): 9
Dimming: Non-Dimma	ble
Driver Included: Yes	
Driver Location: Integra	ated
Driver Type: Constant (	Current
Driver Class: Class 2	
Input Voltage (V): 120	
Constant Current (MA):	
Upon Request: Remote	e: 0-10Vdc dimming / Phase dimming 120Vac
LED	
Number of LEDs: 1	
Color Temperature (°K	): 2700 / 3000 / 4000
Max. Delivered Lumen	

CRI: >90 CRI

Lamp Life (hrs): 50000

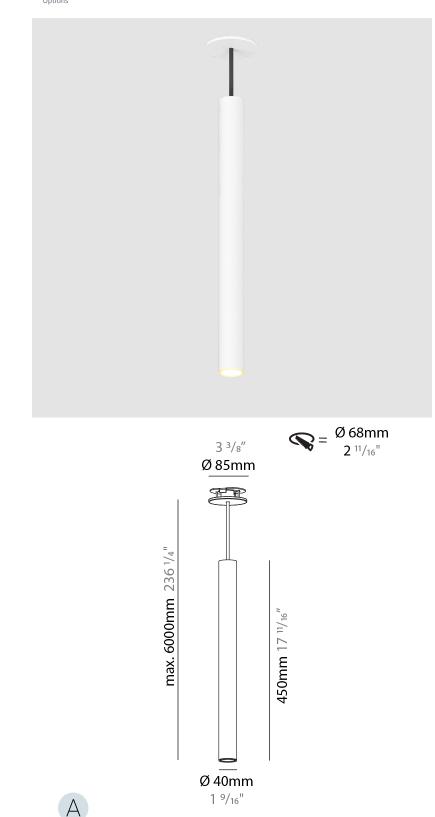
Upon Request: \*\*\*3500K available in minimum quantities (larger quantities upon request)

### OPTICAL

#### Reflector°: 40 / 50 **RATINGS AND CERTIFICATIONS**

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

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

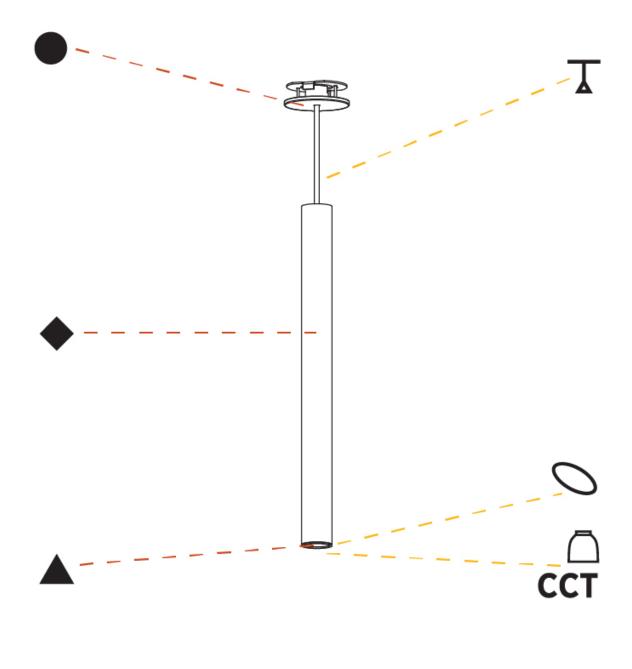
Page 5/14

HANGOVER MONOPOINT RECESSED CANOPY

**SUSPENSION** 

A300152-

PROJECT		
ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

Д

### HANGOVER MONOPOINT SURFACE CANOPY

**SUSPENSION** 

## A300153-

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
PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): $1^{9}_{16}$
Height (mm): 150
Height (in): 5 <sup>7</sup> / <sub>8</sub>
Max. Overall Height (mm): 2150
Max. Overall Height (in): 84 ½
Light Distribution: Downlight
Weight (kg): 0.75
Weight (lbs): 1.65
Diffuser: Shine Ring 0-6
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / 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

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 10.9
Total Output Wattage (W): 9
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current
Driver Class: Class 2
Input Voltage (V): 120
Constant Current (MA): 500
Upon Request: Remote: 0-10Vdc dimming / Phase dimming 120Vac

#### LED

Max. Delivered Lumen (lm): 842	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

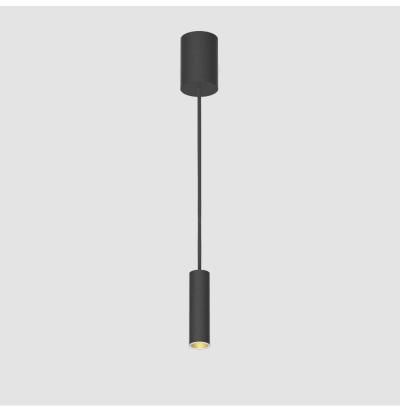
#### OPTICAL

Reflector°: 40 / 50

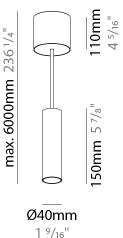
#### **RATINGS AND CERTIFICATIONS**

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

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	







Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

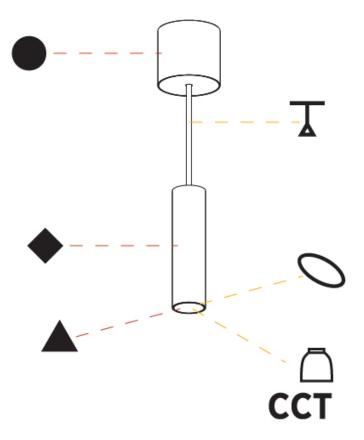
### HANGOVER MONOPOINT SURFACE CANOPY

**SUSPENSION** 

A300153-

PROJECT

DATE		
QUANTITY		
SPECIFIER		
TYPE		



Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

Д

September 21, 2024, 3:03 am

Page 8/14

### HANGOVER MONOPOINT SURFACE CANOPY

**SUSPENSION** 

## A300154-

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	
PHYSICAL	
Shape: Cylinder	
Diameter (mm): 40	
Diameter (in): $1^{9}_{16}$	
Height (mm): 300	
Height (in): 11 <sup>13</sup> / <sub>16</sub>	
Max. Overall Height (mm): 2300	
Max. Overall Height (in): 90 $\%_{16}$	
Light Distribution: Downlight	
Diffuser: Shine Ring 0-6	
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / GCOM / ABZ / JAG / OBR / MOS / ROR	
Fixture Material: Aluminum	
Cable Details: 2000mm / 6000mmm Cable in White / Black / Orange Red	e /
ELECTRICAL	
Lamp Type: LED (Zhaga Standard)	
Input Wattage (W): 10 P	

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 10.9
Total Output Wattage (W): 9
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current
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	
Color Temperature (°K): 2700 / 3000 / 4000	

Max. Delivered Lumen (lm): 842
CRI: >90 CRI
Efficiency (%): 86
Lamp Life (hrs): 50000
Upon Request: ***3500K available in minimum quantities (larger quantities upon request)
OPTICAL

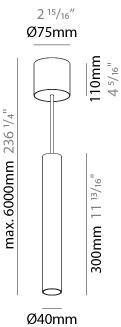
#### Reflector°: 40 / 50

#### **RATINGS AND CERTIFICATIONS**

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

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	





1 9/16"

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

Page 9/14

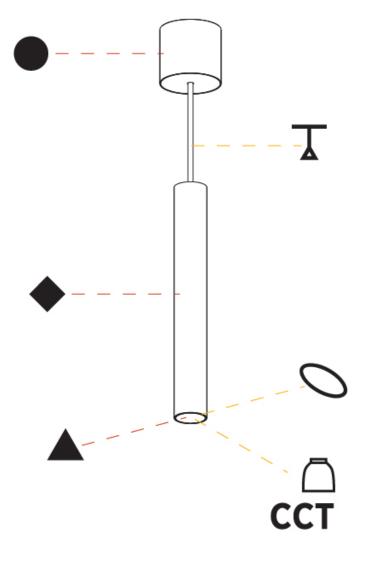
### HANGOVER MONOPOINT SURFACE CANOPY

**SUSPENSION** 

A300154-

PROJECT

DATE		 	
QUANTITY			
SPECIFIER			
TYPE			



Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com Page 10/14

## HANGOVER MONOPOINT SURFACE CANOPY

**SUSPENSION** 

## A300155-

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
PHYSICAL
Shape: Cylinder
Diameter (mm): 40
Diameter (in): $1^{9}_{16}$
Height (mm): 450
Height (in): 17 <sup>11</sup> / <sub>16</sub>
Max. Overall Height (mm): 2450
Max. Overall Height (in): 96 $\frac{7}{16}$
Light Distribution: Downlight
Diffuser: Shine Ring 0-6
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG 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
ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 10.9
Total Output Wattage (W): 9
Dimming: Non-Dimmable
Driver Included: Yes

Driver Location: Integrated	
Driver Type: Constant Current	
Driver Class: Class 2	
Housing: ENCP3	
Input Voltage (V): 120	
Constant Current (MA): 500	
Upon Request: Remote: 0-10Vdc dimming / Phase dimming 120Vac	

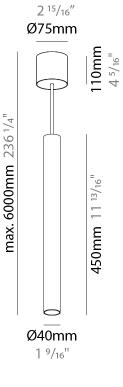
#### LED

Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 4000
Max. Delivered Lumen (lm): 842
CRI: >90 CRI
Efficiency (%): 86
Lamp Life (hrs): 50000
Upon Request: ***3500K available in minimum quantities (larger quantities upon request)
OPTICAL
Reflector°: 40 / 50
RATINGS AND CERTIFICATIONS

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

DATE			
QUANTITY			
SPECIFIER			
ТҮРЕ			
PROJECT			





Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

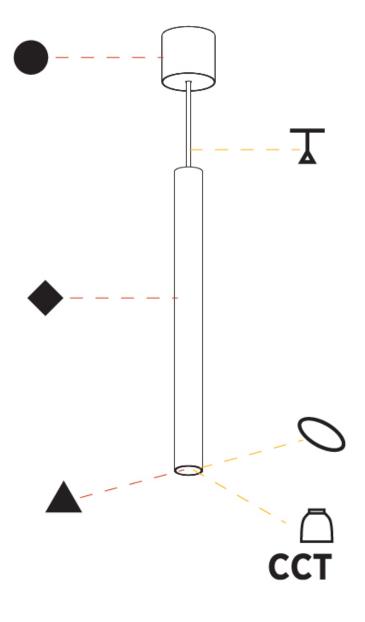
September 21, 2024, 3:03 am

### HANGOVER MONOPOINT SURFACE CANOPY

**SUSPENSION** 

A300155-

PROJECT
---------



Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

### HANGOVER

**Fixture Finish** 

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			

Sparkling Silver - 01 (SSR)	Black Velvet - 02 (BKV)	Crystal White - 03 (CWI)	Creamy - 04 (CRY)	Hampton Bay - 05 (HAB)	Urban Forest - 07 (UFT)
In the Army - 08 (ITA)	Rusty Angel - 09 (RUA)	Fade to Gray - 12 (FTG)	Mysterious Gray - 13 (MYG)	Lost Dream - 15 (LOD)	Purple Sky - 16 (PUS)
Fresh Oh - 17 (FRO)	Funky P 18 (FUP)	Kissing Aphrodite - 19 (KIA)	Poseidon's Paradise - 20 (POP)	Blue Sky - 21 (BLS)	Spring Green - 22 (SPG)
Mellow Yellow - 23 (MEY)	Golden Heart - 24 (GOH)	Gun Metal - 25 (GUM)	Champagne Cream - 26 (CHC)	Copper Mine - 27 (COM)	Ancient Bronze - 28 (ABZ)
Jazz Gold - 29 (JAG)	Olive Breeze - 30 (OBR)	Moonlight Silver - 31 (MOS)	Rosewood Red - 32 (ROR)		

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.

Gun Metal: No Gun Metal finish is alike. It combines a mixture of transparent and black color particles which ensures a highly individual effect and no luminaire being identical. Champagne Cream, Copper Mine, Ancient Bronze + Jazz Gold: These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



### HANGOVER

PROJECT

\_\_\_\_\_

TYPE

SPECIFIER

QUANTITY DATE

LEGEND

		_			
⊥_	floor-mounted	¥	pivotable	$\circledast$	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
$\overline{}$	wall and ceiling: recessed and surface mounted	C	rotating	0	warm dim / natural dimming LED
Î	ceiling-mounted and wall-mounted	¥	illuminate tilted	Ø	rechargeable battery powered
→	wall-mounted	T	color of suspension cable	1111 1100	fixture with natural vivid LED (upon request)
¥	omni-directional light distribution	→	length of suspension cable	CRI	color rendering index
À	direct light distribution	Δ	reflector degree selection	€К	color temperature
X	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	Å	lens	₩.	efficacy (lumens per watt)
	asymmetric light distribution	Ì	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
Ä	aura light distribution	0	shine ring	318	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	$\odot$	integrated shine ring with diffuser	٢	walk on
5	square wall or ceiling cut-out	Ċ	free individual colors 01-29	۲	drive on
d d	the supplied jig specifies the cutout dimensions	Ŭ.	individual colors: 00 (free of charge), 01-25 (extra charge)	<b>Osc</b>	Dark Sky Compliance
(] <b>+</b> +	minimum distance (meters) lamp - object	۲	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
₽	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
+→	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
	ceiling thickness selection		luminaire part to be colored (F4)	(ه)	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	٠	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
У	separately switchable	$\odot$	indirect diffuser		ETL Certified to UL and CSA Standards
シリ	sensor	D	direct diffuser	c (U) us	UL Certified to UL and CSA Standards
	remote control	$\boldsymbol{\Theta}$	ball-proof (upon request)	<b>S</b>	CSA Certified to UL and CSA Standards
2	available upon request	U	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**

КО1	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
КОЗ	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)
КО5	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
КОб	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)
КОВ	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
1609	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
К10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)