

## HYPRO-F 90 PORTABLE

**A340000-**

base number    Color    Finishes    Finishes    Finishes    Finishes    Finishes    Diffuser

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F  
 Subseries: Hypro-F 90  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor  
 Light Distribution: Direct

### PHYSICAL

Shape: Abstract  
 Length (mm): 1170  
 Length (in): 46 1/16  
 Width (mm): 380  
 Width (in): 14 15/16  
 Height (mm): 2200  
 Height (in): 86 5/8  
 Diffuser: PMMA - Micro-prism / Rico  
 Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR  
 Fixture Material: Aluminum Die Cast

### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 30  
 Total Output Wattage (W): 27.3  
 Driver Included: Yes  
 Driver Location: Integrated  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 500mA

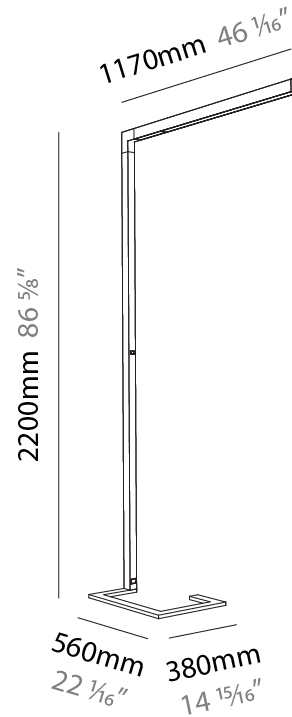
### LED

Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 2210 / 2251  
 Nominal Lumen (lm): 3240 / 3300  
 CRI: >90 CRI

### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## HYPRO-F 90 PORTABLE

A340000-

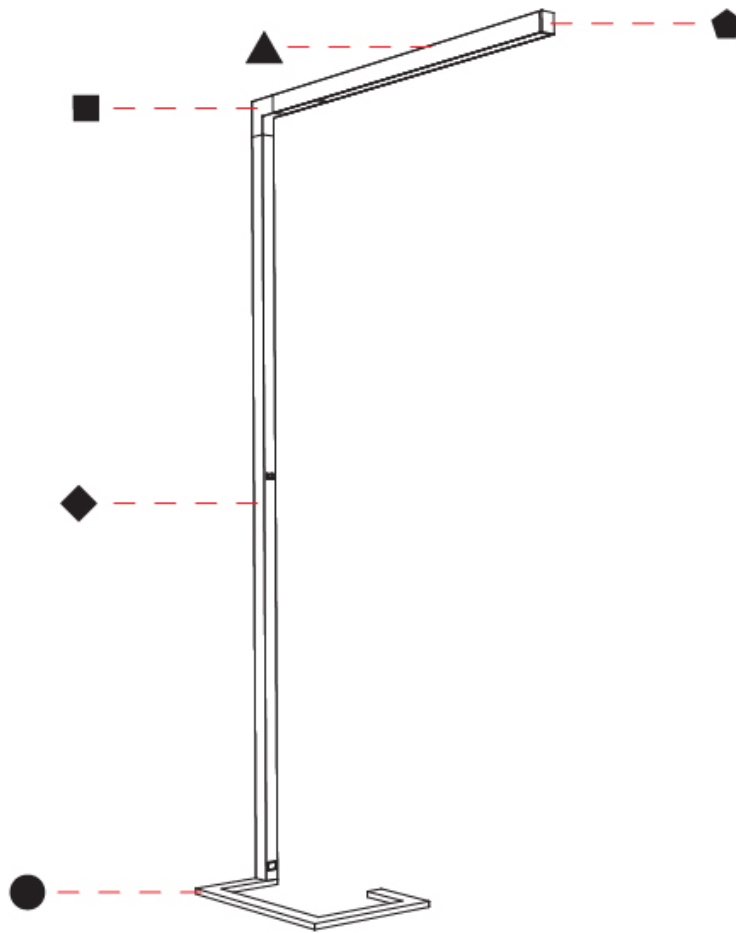
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



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## HYPRO-F 90 PORTABLE

**A340001-**

base number    Color Temperature    Finishes    Finishes    Finishes    Finishes    Finishes    Diffuser    Diffuser Options

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F  
 Subseries: Hypro-F 90  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor  
 Light Distribution: Direct / Indirect

### PHYSICAL

Shape: Abstract  
 Length (mm): 1170  
 Length (in): 46 1/16  
 Width (mm): 380  
 Width (in): 14 15/16  
 Height (mm): 2200  
 Height (in): 86 5/8

Diffuser: PMMA - Micro-prism / Rico and PMMA - Opal / Linear Scattering / Lens

Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast

### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 59  
 Total Output Wattage (W): 53.7  
 Driver Included: Yes  
 Driver Location: Integrated  
 Input Voltage (V): 120 - 277

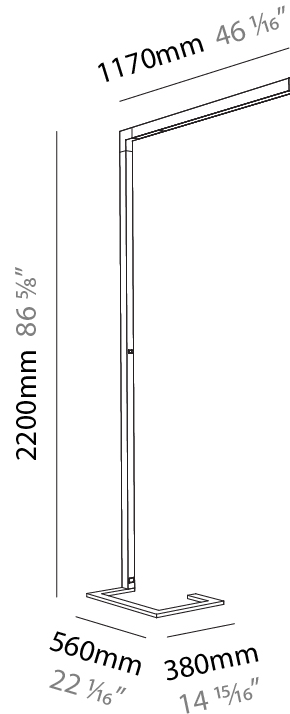
### LED

Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 5018 - 5105  
 CRI: >90 CRI

### OPTICAL

### RATINGS AND CERTIFICATIONS

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



## HYPRO-F 90 PORTABLE

A340001-

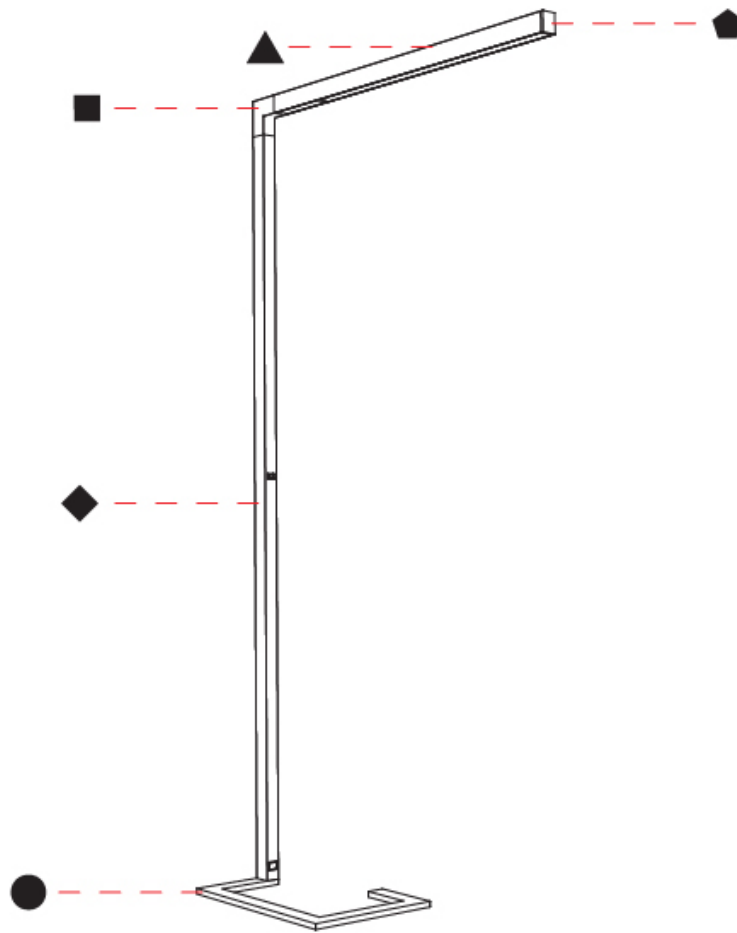
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

## HYPRO-F 90 PORTABLE

### A340002-

base number    Color    Finishes    Finishes    Finishes    Finishes    Finishes    Diffuser

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F  
 Subseries: Hypro-F 90  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor  
 Light Distribution: Direct

#### PHYSICAL

Shape: Abstract  
 Length (mm): 1310  
 Length (in): 51 <sup>9</sup>/<sub>16</sub>"  
 Width (mm): 380  
 Width (in): 14 <sup>15</sup>/<sub>16</sub>"  
 Height (mm): 2200  
 Height (in): 86 <sup>5</sup>/<sub>8</sub>"  
 Diffuser: PMMA - Micro-prism / Rico  
 Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR  
 Fixture Material: Aluminum Die Cast

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 67  
 Total Output Wattage (W): 60.9  
 Driver Included: Yes  
 Driver Location: Integrated  
 Input Voltage (V): 120 - 277

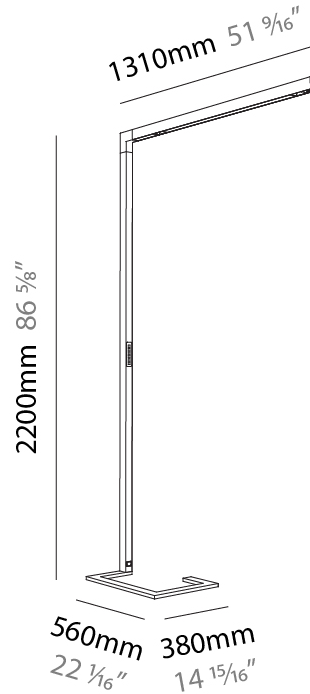
#### LED

Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 4068 / 4275  
 CRI: >90 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## HYPRO-F 90 PORTABLE

A340002-

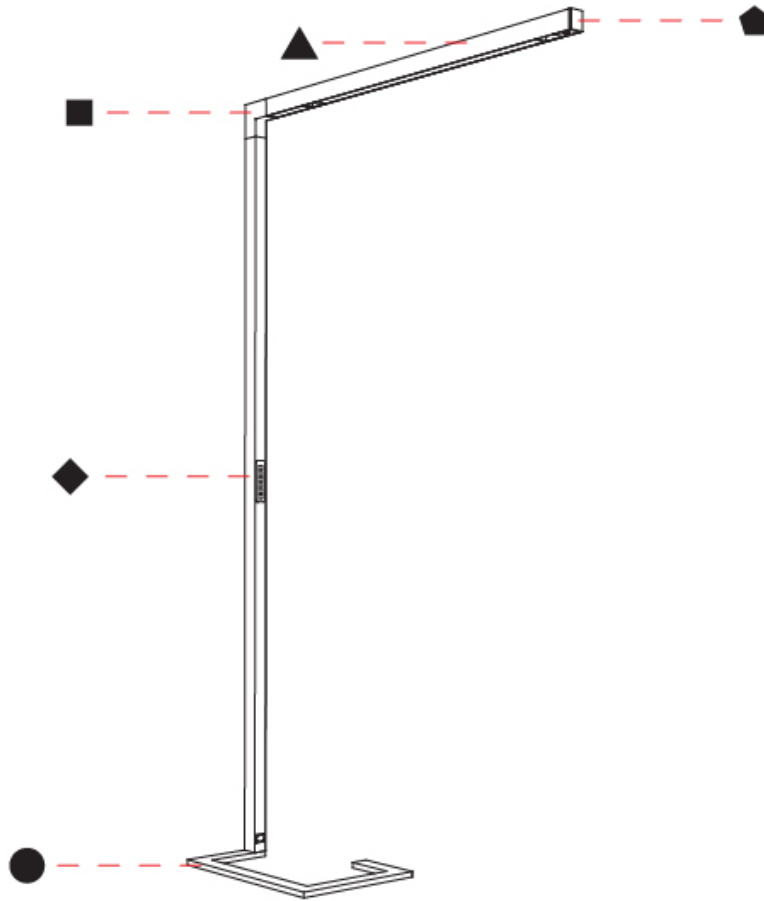
PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_

QUANTITY \_\_\_\_\_

DATE \_\_\_\_\_



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## HYPRO-F 90 PORTABLE

**A340003-**

base number    Color Temperature    Finishes    Finishes    Finishes    Finishes    Finishes    Diffuser    Diffuser Options

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F  
 Subseries: Hypro-F 90  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor  
 Light Distribution: Direct / Indirect

**PHYSICAL**

Shape: Abstract  
 Length (mm): 1310  
 Length (in): 51 9/16  
 Width (mm): 380  
 Width (in): 14 15/16  
 Height (mm): 2200  
 Height (in): 86 5/8

Diffuser: PMMA - Micro-prism / Rico and PMMA - Opal / Linear Scattering / Lens

Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast

**ELECTRICAL**

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 96  
 Total Output Wattage (W): 87.3  
 Driver Included: Yes  
 Driver Location: Integrated  
 Input Voltage (V): 120 - 277

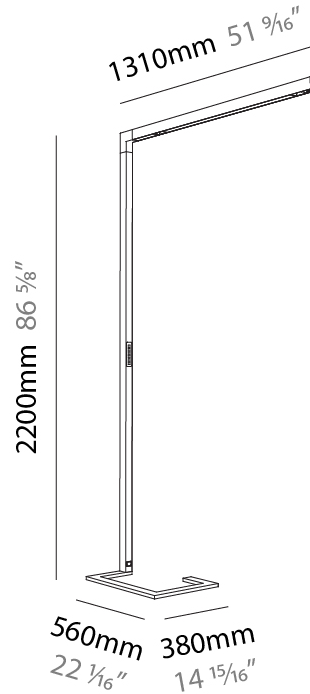
**LED**

Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 6861-7119  
 CRI: >90 CRI

**OPTICAL**

**RATINGS AND CERTIFICATIONS**

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



## HYPRO-F 90 PORTABLE

A340003-

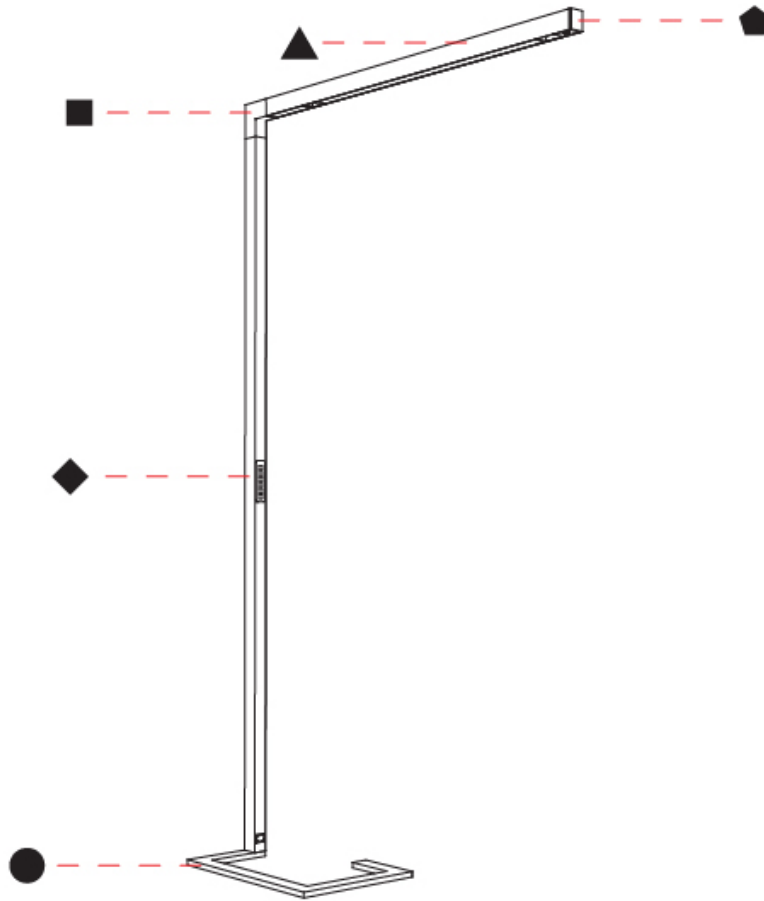
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



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PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

## HYPRO-F 90 PORTABLE

### A340004-

base number	Color	Finishes	Finishes	Finishes	Finishes	Finishes	Diffuser
	Temperature						

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F
Subseries: Hypro-F 90
Partner: Prolicht
Division: Architectural
Installation: Portable
Product Type: Floor
Mounting Location: Floor
Light Distribution: Direct / Indirect

#### PHYSICAL

Shape: Abstract
Length (mm): 1310
Length (in): 51 <sup>9</sup> / <sub>16</sub>
Width (mm): 380
Width (in): 14 <sup>15</sup> / <sub>16</sub>
Height (mm): 2200
Height (in): 86 <sup>5</sup> / <sub>8</sub>
Diffuser: PMMA - Micro-prism / Rico
Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum Die Cast

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 96
Total Output Wattage (W): 87.3
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120 - 277

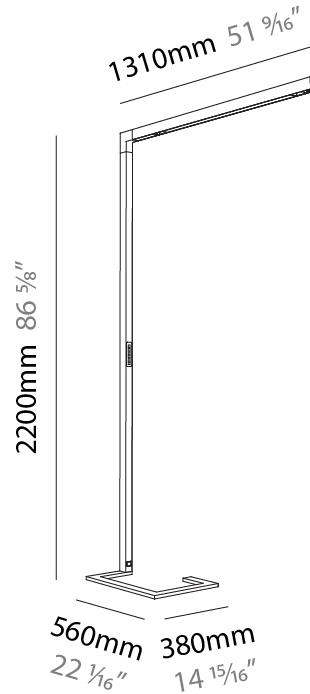
#### LED

Color Temperature (°K): 3000 / 4000 / TW
Max. Delivered Lumen (lm): 4068-7001
CRI: >90 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## HYPRO-F 90 PORTABLE

A340004-

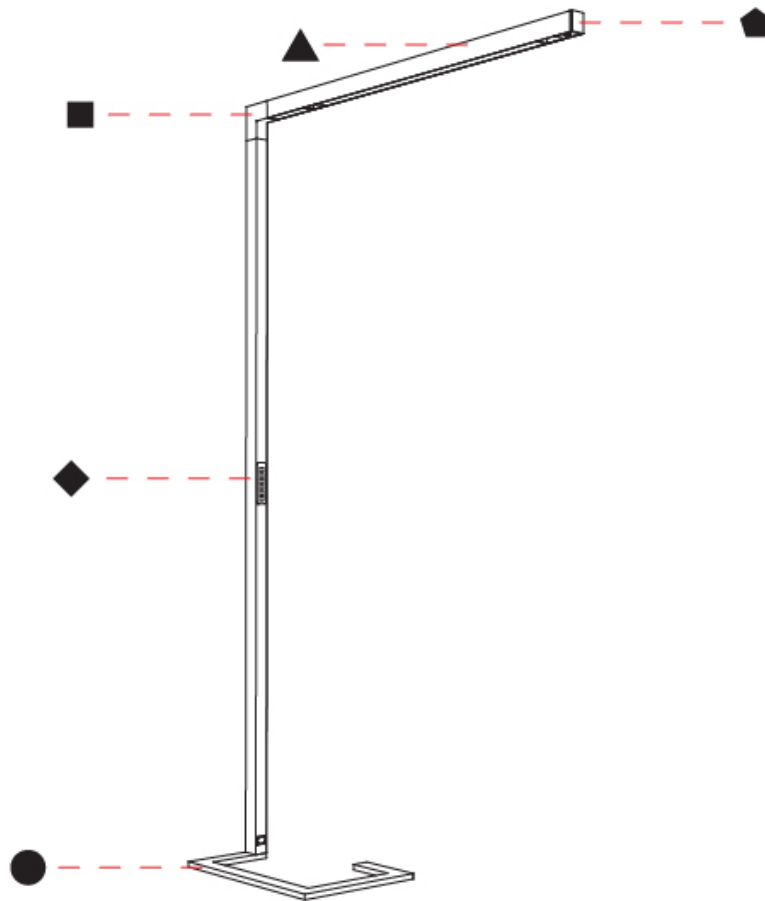
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



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PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

## HYPRO-F 160 PORTABLE

### A340005-

base number    Color    Finishes    Finishes    Finishes    Finishes    Finishes    Diffuser  
Temperature

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F  
 Subseries: Hypro-F 160  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor  
 Light Distribution: Direct

#### PHYSICAL

Shape: Abstract  
 Length (mm): 1610  
 Length (in): 63 <sup>7</sup>/<sub>8</sub>  
 Width (mm): 380  
 Width (in): 14 <sup>15</sup>/<sub>16</sub>  
 Height (mm): 2200  
 Height (in): 86 <sup>5</sup>/<sub>8</sub>  
 Diffuser: PMMA - Micro-prism / Rico  
 Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR  
 Fixture Material: Aluminum Die Cast

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 30  
 Total Output Wattage (W): 27.3  
 Driver Included: Yes  
 Driver Location: Integrated  
 Input Voltage (V): 120 - 277  
 Constant Current (MA): 500mA

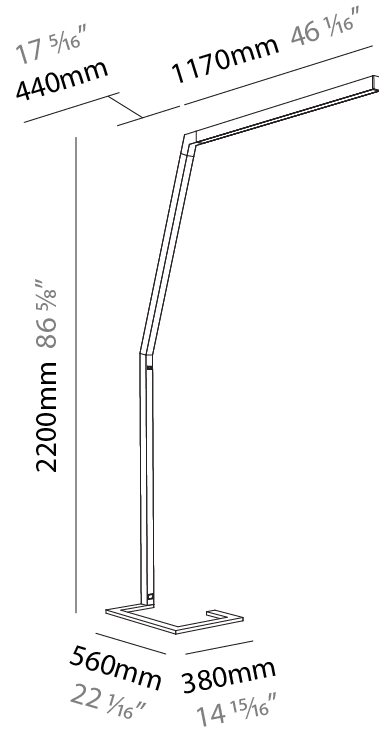
#### LED

Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 2210 / 2251  
 CRI: >90 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## HYPRO-F 160 PORTABLE

A340005-

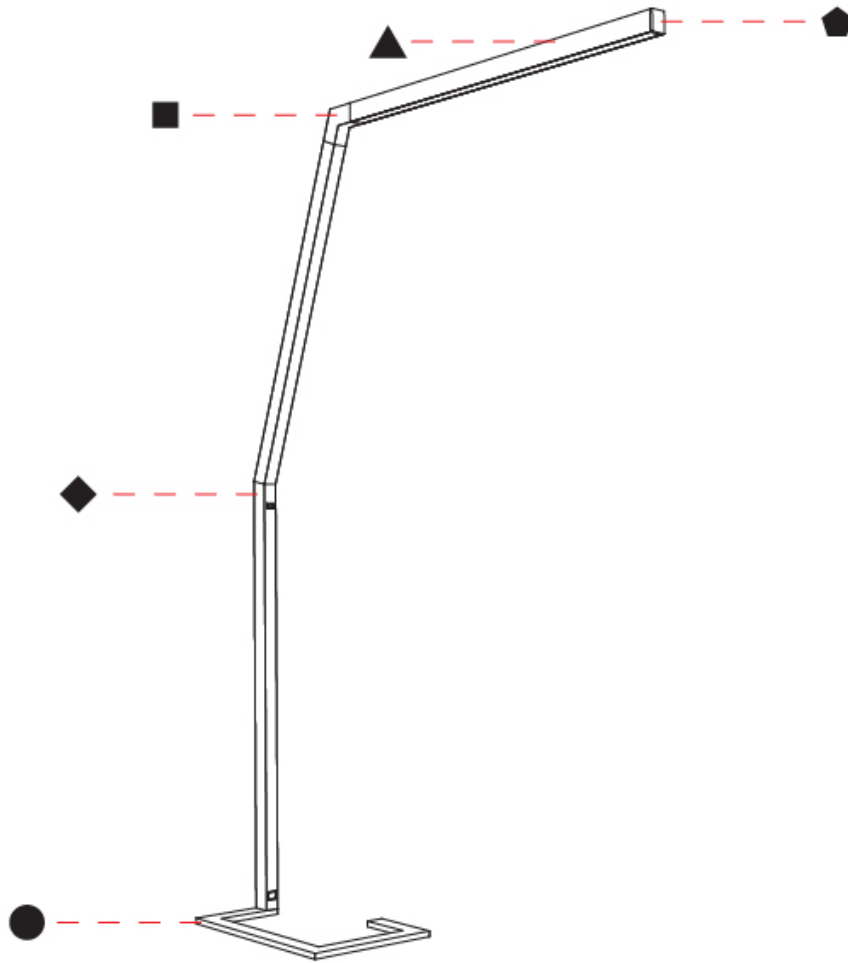
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



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PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
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## HYPRO-F 160 PORTABLE

**A340006-**

base number    Color Temperature    Finishes    Finishes    Finishes    Finishes    Finishes    Diffuser    Diffuser Options

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F  
 Subseries: Hypro-F 160  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor  
 Light Distribution: Direct / Indirect

### PHYSICAL

Shape: Abstract  
 Length (mm): 1610  
 Length (in): 63 7/8  
 Width (mm): 380  
 Width (in): 14 15/16  
 Height (mm): 2200  
 Height (in): 86 5/8  
 Diffuser: PMMA - Micro-prism / Rico and PMMA - Opal / Linear Scattering / Lens  
 Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR  
 Fixture Material: Aluminum Die Cast

### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 59  
 Total Output Wattage (W): 53.7  
 Driver Included: Yes  
 Driver Location: Integrated  
 Input Voltage (V): 120 - 277

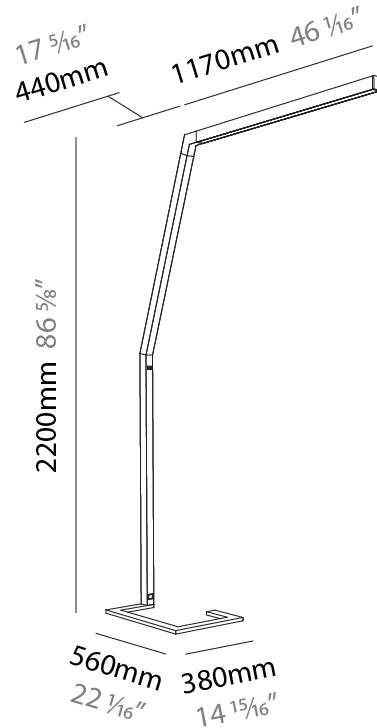
### LED

Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 5018 - 5105  
 CRI: >90 CRI

### OPTICAL

### RATINGS AND CERTIFICATIONS

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



## HYPRO-F 160 PORTABLE

A340006-

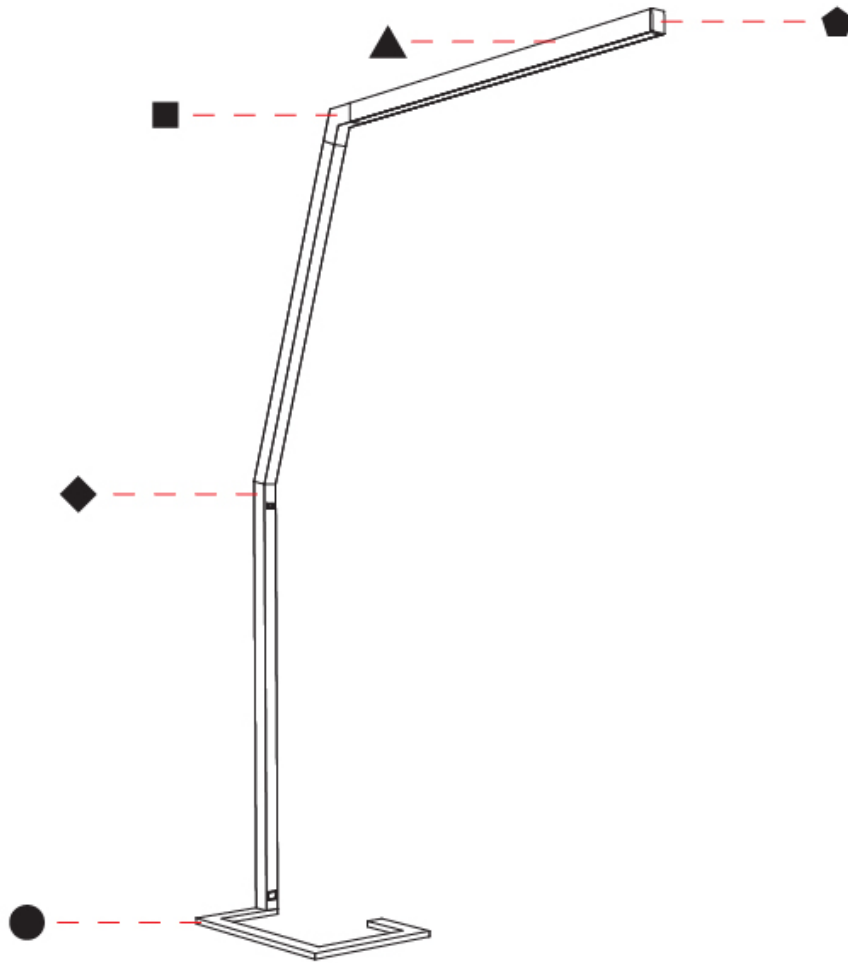
PROJECT \_\_\_\_\_

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PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

## HYPRO-F 160 PORTABLE

### A340007-

base number    Color    Finishes    Finishes    Finishes    Finishes    Finishes    Diffuser

Temperature

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F  
 Subseries: Hypro-F 160  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor  
 Light Distribution: Direct

#### PHYSICAL

Shape: Abstract  
 Length (mm): 1750  
 Length (in): 68 <sup>7</sup>/<sub>8</sub>  
 Width (mm): 380  
 Width (in): 14 <sup>15</sup>/<sub>16</sub>  
 Height (mm): 2200  
 Height (in): 86 <sup>5</sup>/<sub>8</sub>  
 Diffuser: PMMA - Micro-prism / Rico  
 Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR  
 Fixture Material: Aluminum Die Cast

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 67  
 Total Output Wattage (W): 60.9  
 Driver Included: Yes  
 Driver Location: Integrated  
 Input Voltage (V): 120 - 277

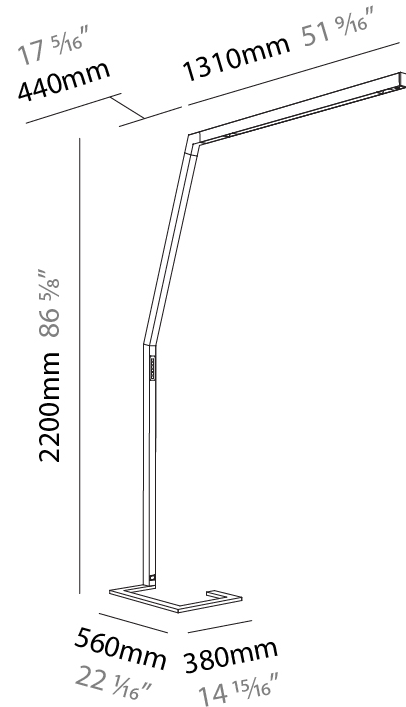
#### LED

Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 4068 / 4275  
 CRI: >90 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

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



## HYPRO-F 160 PORTABLE

A340007-

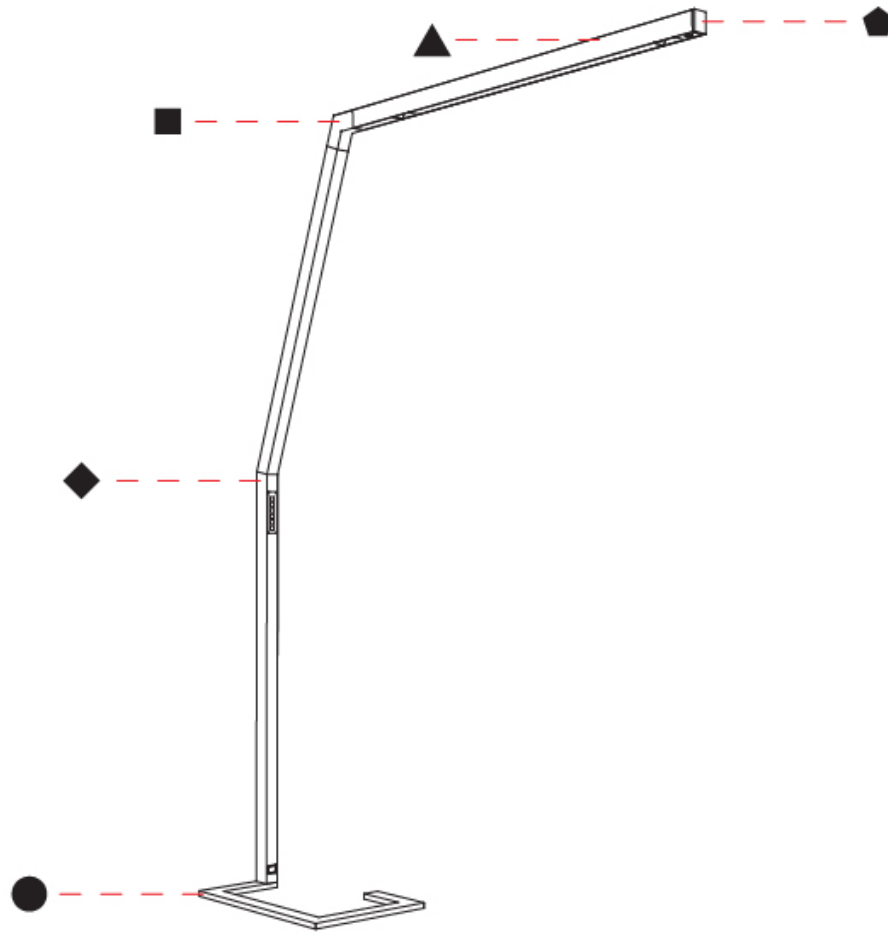
PROJECT

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QUANTITY

DATE



PROJECT
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QUANTITY
DATE

## HYPRO-F 160 PORTABLE

### A340008-

base number    Color    Finishes    Finishes    Finishes    Finishes    Finishes    Diffuser

Temperature

- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F  
 Subseries: Hypro-F 160  
 Partner: Prolicht  
 Division: Architectural  
 Installation: Portable  
 Product Type: Floor  
 Mounting Location: Floor  
 Light Distribution: Direct / Indirect

#### PHYSICAL

Shape: Abstract  
 Length (mm): 1750  
 Length (in): 68 <sup>7</sup>/<sub>8</sub>  
 Width (mm): 380  
 Width (in): 14 <sup>15</sup>/<sub>16</sub>  
 Height (mm): 2200  
 Height (in): 86 <sup>5</sup>/<sub>8</sub>  
 Diffuser: PMMA - Micro-prism / Rico  
 Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR  
 Fixture Material: Aluminum Die Cast

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
 Input Wattage (W): 96  
 Total Output Wattage (W): 87.3  
 Driver Included: Yes  
 Driver Location: Integrated  
 Input Voltage (V): 120 - 277

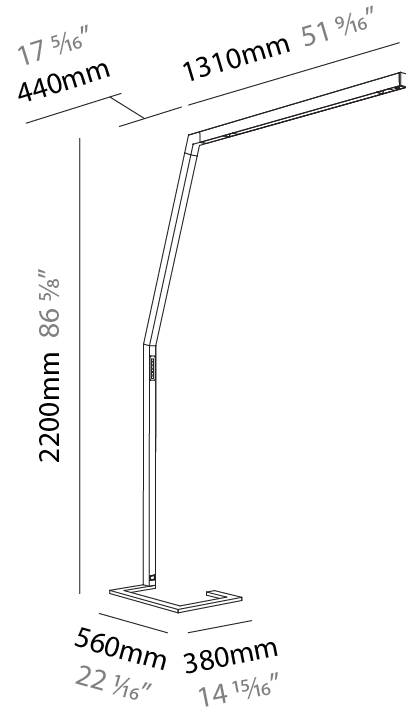
#### LED

Color Temperature (°K): 3000 / 4000  
 Max. Delivered Lumen (lm): 6861-7119  
 CRI: >90 CRI

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

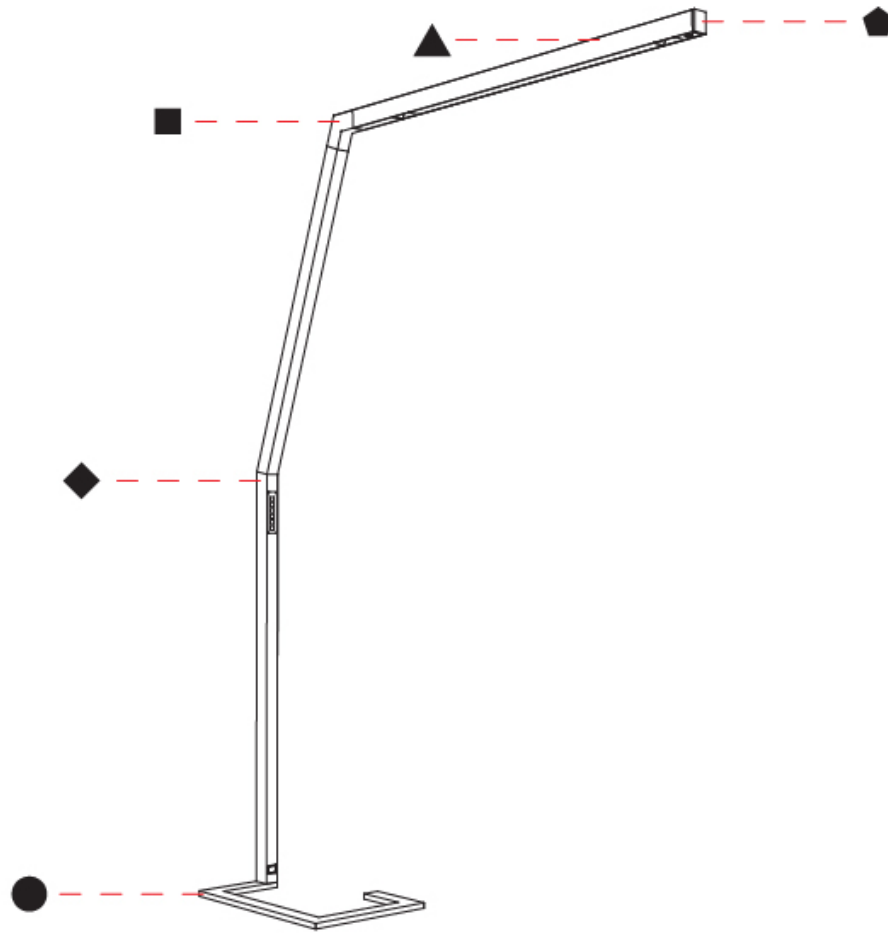
Certified By: Certified for North American Standards  
 IP rating: IP20



## HYPRO-F 160 PORTABLE

A340008-

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QUANTITY	_____
DATE	_____

## HYPRO-F 160 PORTABLE

**A340009-**

base number	Color Temperature	Finishes	Finishes	Finishes	Finishes	Finishes	Diffuser	Diffuser Options
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- To build a product code in our configurator select the specify button on the base model # product page
- 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: Hypro-F
Subseries: Hypro-F 160
Partner: Prolicht
Division: Architectural
Installation: Portable
Product Type: Floor
Mounting Location: Floor
Light Distribution: Direct / Indirect

### PHYSICAL

Shape: Abstract
Length (mm): 1750
Length (in): 68 7/8
Width (mm): 380
Width (in): 14 15/16
Height (mm): 2200
Height (in): 86 5/8
Diffuser: PMMA - Micro-prism / Rico and PMMA - Opal / Linear Scattering / Lens
Fixture Finish: ANA / SSR / BKV / CWI / CRY / HAB / MSR / UFT / ITA / RUA / OGR / FTG / MYG / RWR / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum Die Cast

### ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 96
Total Output Wattage (W): 87.3
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120 - 277

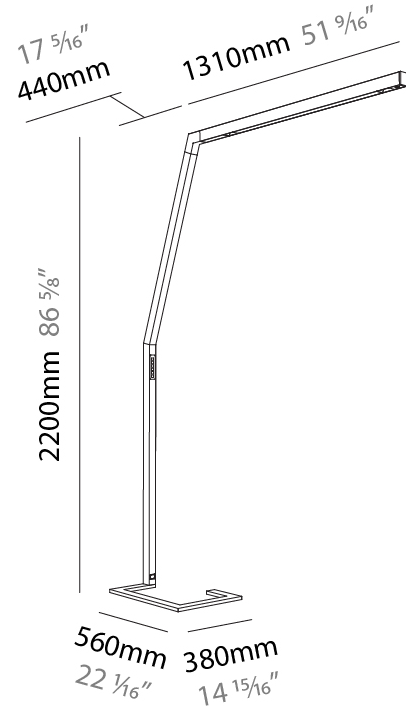
### LED

Color Temperature (°K): 3000 / 4000 / TW
Max. Delivered Lumen (lm): 4068-7001
CRI: >90 CRI

### OPTICAL

### RATINGS AND CERTIFICATIONS

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



## HYPRO-F 160 PORTABLE

A340009-

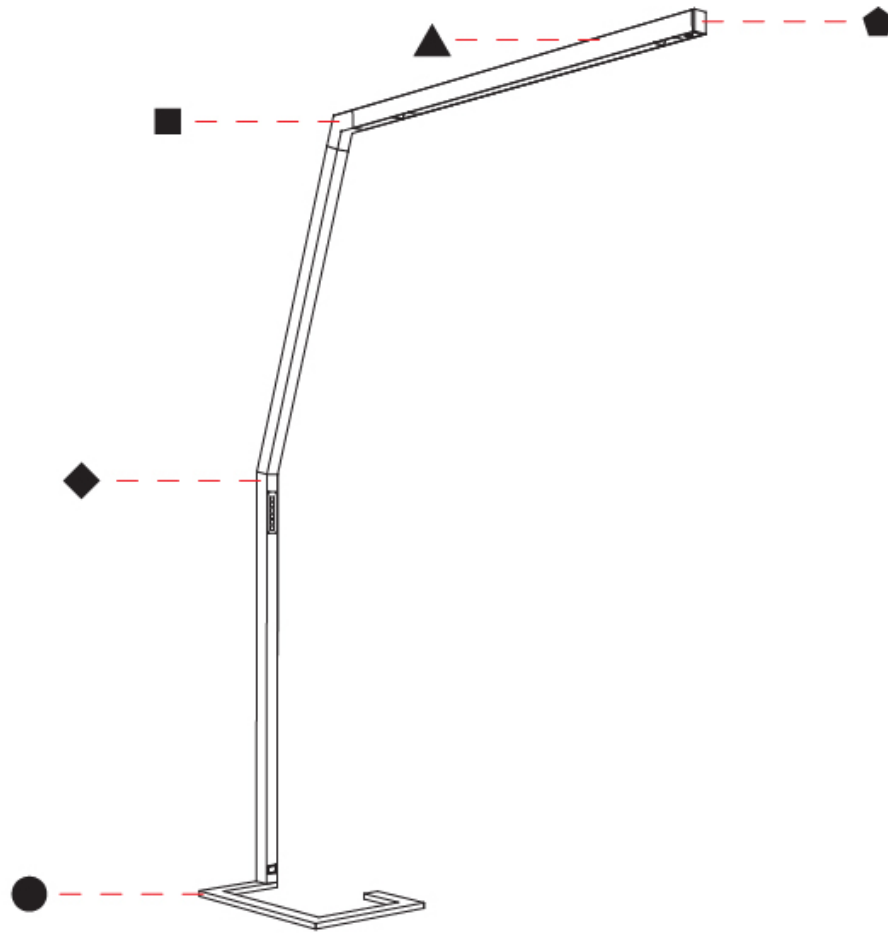
PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



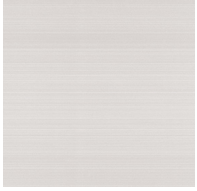
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## HYPRO-F

### COLOR FINISH CHART

#### Fixture Finish

Aluminum Natural Anodized - 00 (ANA)



Sparkling Silver - 01 (SSR)



Black Velvet - 02 (BKV)



Crystal White - 03 (CWI)



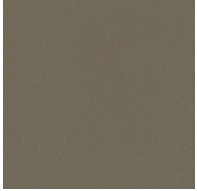
Creamy - 04 (CRY)



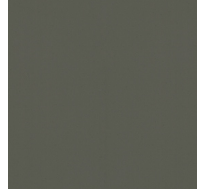
Hampton Bay - 05 (HAB)



Urban Forest - 07 (UFT)



In the Army - 08 (ITA)



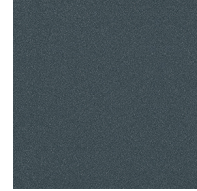
Rusty Angel - 09 (RUA)



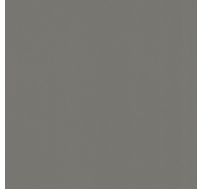
Fade to Gray - 12 (FTG)



Mysterious Gray - 13 (MYG)



Lost Dream - 15 (LOD)



Purple Sky - 16 (PUS)



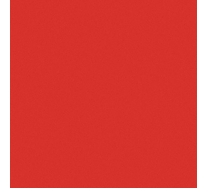
Fresh Oh - 17 (FRO)



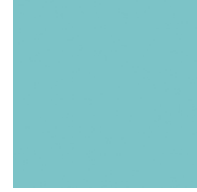
Funky P. - 18 (FUP)



Kissing Aphrodite - 19 (KIA)



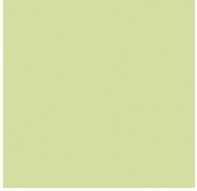
Poseidon's Paradise - 20 (POP)



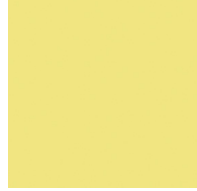
Blue Sky - 21 (BLS)



Spring Green - 22 (SPG)



Mellow Yellow - 23 (MEY)



Golden Heart - 24 (GOH)



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.

**Champagne Cream, Copper Mine, Ancient Bronze + Jazz Gold:** These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.



### LEGEND

 floor-mounted	 pivotable	 special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
 wall and ceiling: recessed and surface mounted	 rotating	 warm dim / natural dimming LED
 ceiling-mounted and wall-mounted	 illuminate tilted	 rechargeable battery powered
 wall-mounted	 color of suspension cable	 fixture with natural vivid LED (upon request)
 omni-directional light distribution	 length of suspension cable	 color rendering index
 direct light distribution	 reflector degree selection	 color temperature
 direct/indirect light distribution	 super spot	 lumen (luminous flux)
 indirect light distribution	 lens	 efficacy (lumens per watt)
 asymmetric light distribution	 lens pack	 Unified Glare Rating (UGR) range from 5-40
 aura light distribution	 shine ring	 marine grade (AISI 316 stainless steel)
 round wall or ceiling cut-out	 integrated shine ring with diffuser	 walk on
 square wall or ceiling cut-out	 free individual colors 01-29	 drive on
 the supplied jig specifies the cutout dimensions	 individual colors: 00 (free of charge), 01-25 (extra charge)	 Dark Sky Compliance
 minimum distance (meters) lamp - object	 luminaire part to be colored (F1)	 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)	 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
 separately switchable	 indirect diffuser	 ETL Certified to UL and CSA Standards
 sensor	 direct diffuser	 UL Certified to UL and CSA Standards
 remote control	 ball-proof (upon request)	 CSA Certified to UL and CSA Standards
 available upon request	 accessory	 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

 IK01	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)
 IK03	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)
 IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)