

# A380203-

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Minimal Track - Disq Round Aura Cover

#### **GENERAL**

Series: Minimal Track
Brand: Prolicht
Division: Architectural

Division: Architectural

PHYSICAL

Shape: Round

Diameter (mm): 135

Diameter (in): 5 <sup>5</sup>/<sub>16</sub>

Height (mm): 5

Height (in): 3/16

Weight (kg): 0.023

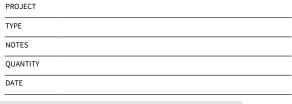
Weight (lbs): 0.051

Fixture Finish: YEL / ORA / RED / BLU / GRN

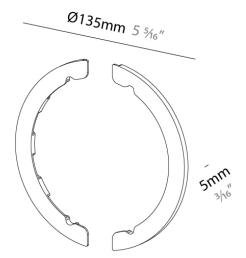
Fixture Material: Plastic

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards











# A380204-

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Minimal Track - Disq Square Aura Cover

#### **GENERAL**

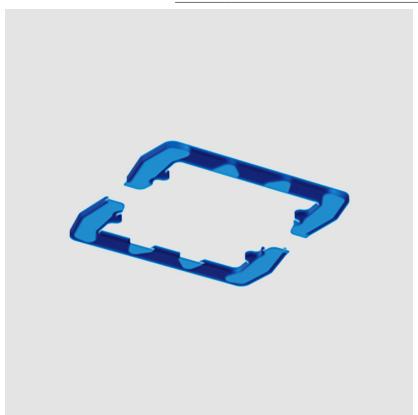
Series: Minimal Track	
Brand: Prolicht	
Division: Architectural	

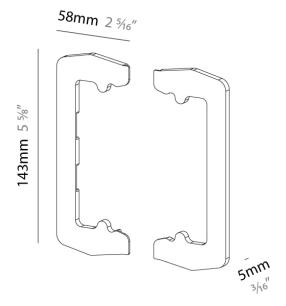
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Square
Length (mm): 144
Length (in): 5 11/16
Width (mm): 58
Width (in): 2 <sup>5</sup> / <sub>16</sub>
Height (mm): 5
Height (in): 3/16
Weight (kg): 0.023
Weight (lbs): 0.051
Fixture Finish: YEL / ORA / RED / BLU / GRN
Fixture Material: Plastic

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards











# **PROJECT** TYPE NOTES QUANTITY DATE

# A380205-

#### DESCRIPTION

Snooker Insert for Minimal Track - 6.5W LED (Zhaga Standard) -455lm, 48Vdc, CRI90 (DALI Dimming Only) - Optic: 32°/58° Cable Options

#### **GENERAL**

Series: Snooker Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling

Subcategory: Modular PHYSICAL Shape: Round Diameter (mm): 72 Diameter (in): 2 13/16 Height (mm): 71 Height (in): 2 13/16 Light Distribution: Direct Weight (kg): 0.26 Weight (lbs): 0.04 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

Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Aluminum

**ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 6.5 Total Output Wattage (W): 6 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 500 Upon Request: DALI

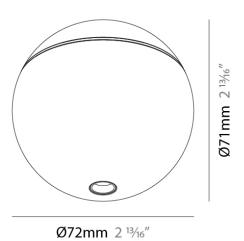
LED Delivered Lumen Range: 100 - 499 lm Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 310 / 328 / 347 / 356 Nominal Lumen (lm): 460 / 487 / 514 / 528 CRI: >90 CRI Lamp Life (hrs): 50000

#### OPTICAL

Beam Angle: 32 / 58 Adjustability: Fixed

#### **RATINGS AND CERTIFICATIONS**









# **PROJECT** TYPE NOTES QUANTITY DATE

#### A380206-

#### DESCRIPTION

Hangover Plug Ø28 - 150mm LED (Zhaga Standard) 6.5W Max. 446lm, 48Vdc, CRI90

#### **GENERAL**

Series: Minimal Track Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling Subcategory: Modular

PHYSICAL Shape: Cylinder Diameter (mm): 28 Diameter (in): 1 1/8 Height (mm): 150 Height (in):  $5\frac{7}{8}$ Light Distribution: Direct Weight (kg): 0.124 Weight (lbs): 0.273 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 Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Aluminum **ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 6.5 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 500 Upon Request: DALI/0-10V Dimming with bridge Delivered Lumen Range: 100 - 499 lm Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 377-389 / 400-412 / 433-446 Nominal Lumen (lm): 455 CRI: >90 CRI Lamp Life (hrs): 50000

## OPTICAL

Optic°: 33 / 66 Beam Angle: 26 / 56 Adjustability: Fixed

# **RATINGS AND CERTIFICATIONS**









# PROJECT TYPE NOTES QUANTITY DATE

# A380207-

#### DESCRIPTION

Hangover Plug Ø28 - 300mm LED (Zhaga Standard) 6.5W Max. 446lm, 48Vdc, CRI90

#### **GENERAL**

Series: Minimal Track

Brand: Prolicht

Division: Architectural

Mounting Type: Track

Mounting Location: Ceiling

Subcategory: Modular

Subcategory: Modular

PHYSICAL

Shape: Cylinder

Diameter (mm): 28

Diameter (in): 1½

Height (mm): 300

Height (in): 11½

Light Distribution: Direct

Weight (kg): 0.24

Weight (lbs): 0.529

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

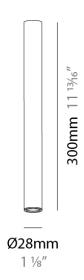
Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Aluminum **ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 6.5 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 500 Upon Request: DALI LED Delivered Lumen Range: 100 - 499 lm Color Temperature (°K): 2700 / 3000 / 4000 Max. Delivered Lumen (lm): 377-389 / 400-412 / 433-446 Nominal Lumen (lm): 455 / 482 / 522 CRI: >90 CRI Lamp Life (hrs): 50000 OPTICAL

Optic°: 33 / 66
Beam Angle: 26 / 56
Adjustability: Fixed

# RATINGS AND CERTIFICATIONS









# PROJECT TYPE NOTES QUANTITY DATE

#### A380208-

#### DESCRIPTION

Hangover Plug Ø28 - 450mm LED (Zhaga Standard) 6.5W Max. 446lm, 48Vdc, CRI90

#### **GENERAL**

Series: Minimal Track

Brand: Prolicht

Division: Architectural

Mounting Type: Track

Mounting Location: Ceiling

Subcategory: Modular

Subcategory: Modular

PHYSICAL

Shape: Cylinder

Diameter (mm): 28

Diameter (in): 1½

Height (mm): 450

Height (in): 17½

Light Distribution: Direct

Weight (kg): 0.355

Weight (lbs): 0.783

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

Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Aluminum **ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 6.5 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 500 Upon Request: DALI LED Delivered Lumen Range: 100 - 499 lm Color Temperature (°K): 2700 / 3000 / 4000

Delivered Lumen Range: 100 - 499 lm

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

Max. Delivered Lumen (lm): 377-389 / 400-412 / 433-446

Nominal Lumen (lm): 455 / 482 / 522

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Optic°: 33 / 66

# Adjustability: Fixed

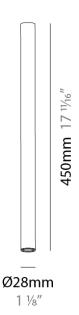
Beam Angle: 26 / 56

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20









# PROJECT TYPE NOTES QUANTITY DATE

### A380209-

#### **DESCRIPTION**

Hangover Plug Ø28 Micro Dot - 150mm LED (Zhaga Standard) 6.5W Max. 352lm, 48Vdc, CRI90

#### **GENERAL**

Series: Minimal Track

Brand: Prolicht

Division: Architectural

Mounting Type: Track

Mounting Location: Ceiling

Subcategory: Modular

Mounting Location: Ceiling
Subcategory: Modular

PHYSICAL
Shape: Cylinder
Diameter (mm): 28
Diameter (in): 1 ½
Height (mm): 150
Height (in): 5 ½
Light Distribution: Direct
Weight (kg): 0.124
Weight (kg): 0.124
Weight (lbs): 0.273
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

Input Wattage Range: 1 - 9 W
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 6.5
Dimming: Non-Dimmable
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120/277Vac
Driver Class: Class 2
Input Voltage (V): 48
Constant Current (MA): 500
Upon Request: DALI

LED
Delivered Lumen Range: 100 - 499 lm

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

Max. Delivered Lumen (lm): 280-307 / 297-325 / 322 - 352

Nominal Lumen (lm): 455.22 / 482 / 522.17

CRI: >90 CRI

Lamp Life (hrs): 50000

#### OPTICAL

Optic°: 33 / 66

Beam Angle: 32 / 58

Adjustability: Fixed

#### **RATINGS AND CERTIFICATIONS**

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





28mm 1 1/8"





# **PROJECT** TYPE NOTES QUANTITY DATE

### A380210-

#### DESCRIPTION

Hangover Plug Ø28 Micro Dot - 300mm LED (Zhaga Standard) 6.5W Max. 352lm, 48Vdc, CRI90

#### **GENERAL**

Series: Minimal Track Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling Subcategory: Modular

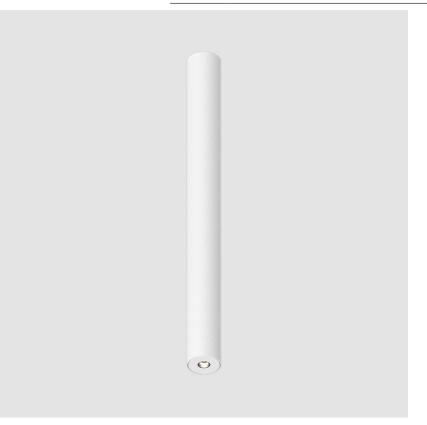
PHYSICAL Shape: Cylinder Diameter (mm): 28 Diameter (in): 1 1/8 Height (mm): 300 Height (in): 11 1/16 Light Distribution: Direct Weight (kg): 0.24 Weight (lbs): 0.529 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR Fixture Material: Aluminum

**ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 6.5 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 500 Upon Request: DALI LED Delivered Lumen Range: 100 - 499 lm

Color Temperature (°K): 2700 / 3000 / 4000 Max. Delivered Lumen (lm): 280-307 / 297-325 / 322 - 352 Nominal Lumen (lm): 455.22 / 482 / 522.17 CRI: >90 CRI Lamp Life (hrs): 50000 OPTICAL

Opticº: 33 / 66 Beam Angle: 26 / 56 Adjustability: Fixed

#### **RATINGS AND CERTIFICATIONS**









# PROJECT TYPE NOTES QUANTITY DATE

# A380211-

#### DESCRIPTION

Hangover Plug Ø28 Micro Dot - 450mm LED (Zhaga Standard)

6.5W Max. 352lm, 48Vdc, CRI90

#### **GENERAL**

Series: Minimal Track	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Track	
Mounting Location: Ceiling	
Subcategory: Modular	

Mounting Location: Ceiling
Subcategory: Modular
PHYSICAL
Shape: Cylinder
Diameter (mm): 28
Diameter (in): 1 ½
Height (mm): 450
Height (in): 17 <sup>11</sup> / <sub>16</sub>
Light Distribution: Direct
Weight (kg): 0.355
Weight (lbs): 0.783
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

ELECTRICAL	
Input Wattage Range: 1 - 9 W	
Lamp Type: LED (Zhaga Standard)	
Input Wattage (W): 6.5	
Dimming: Non-Dimmable	
Driver Included: No	
Driver Location: Remote	
Driver Type: Constant Voltage - 120/277Vac	
Driver Class: Class 2	
Input Voltage (V): 48	
Constant Current (MA): 500	
Upon Request: DALI	
LED	
Delivered Lumen Range: 100 - 499 lm	
Color Temperature (°K): 2700 / 3000 / 4000	
Max. Delivered Lumen (lm): 280-307 / 297-325 / 322 - 352	

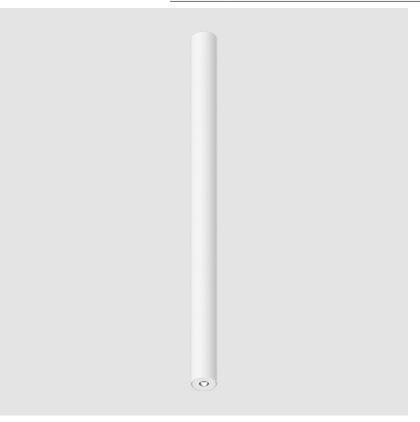
CRI: >90 CRI	
Nominal Lumen (lm): 455.22 / 482 / 522.17	
Max. Delivered Lumen (lm): 280-307 / 297-325 / 322 - 352	
Color Temperature (°K): 2700 / 3000 / 4000	

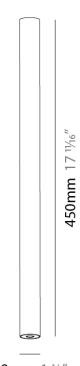
#### Lamp Life (hrs): 50000

OPTICAL	
Optic°: 33 / 66	
Beam Angle: 26 / 56	
Adjustability: Fixed	

# RATINGS AND CERTIFICATIONS

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







28mm 1 1/8"



# **PROJECT** TYPE NOTES QUANTITY DATE

### A380212-

#### DESCRIPTION

Hangover Plug Ø40 - 150mm LED (Zhaga Standard) 9W Max. 868lm, 48Vdc, CRI90

#### **GENERAL**

Series: Minimal Track Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling

Subcategory: Modular **PHYSICAL** Shape: Cylinder Diameter (mm): 40 Diameter (in): 1 1/16 Height (mm): 150 Height (in):  $5\frac{7}{8}$ Light Distribution: Direct Weight (kg): 0.293 Weight (lbs): 0.646 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 Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

#### **ELECTRICAL**

Fixture Material: Aluminum

Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 9 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 500 Upon Request: DALI LED

Delivered Lumen Range: 500 - 999 lm Color Temperature (°K): 2700 / 3000 / 4000 Max. Delivered Lumen (lm): 752 - 782 / 787 - 818 / 834 - 868 Nominal Lumen (lm): 969.41 / 1014 / 1075.27 CRI: >90 CRI Lamp Life (hrs): 50000

## OPTICAL

Optic°: 44 / 55 Beam Angle: 40 / 52 Adjustability: Fixed

# RATINGS AND CERTIFICATIONS









# PROJECT TYPE NOTES QUANTITY DATE

# A380214-

#### DESCRIPTION

Plug Connector - 2000mm or 4000mm Cable

## GENERAL

Series: Minimal Track
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular
PHYSICAL
Length (mm): 151
Length (in): $5^{15}/_{16}$
Width (mm): 19
Width (in): 3/4
Height (mm): 52
Height (in): $2\frac{1}{16}$
Max. Overall Height (mm): 2052 / 4052
Max. Overall Height (in): 80 $^{13}\!/_{16}$
Weight (kg): 0.112
Weight (lbs): 0.247
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
Accent Finish: BLK / WHI / ORA / RED / GRN
Fixture Material: Aluminum

# **OPTICAL**

Adjustability: Fixed

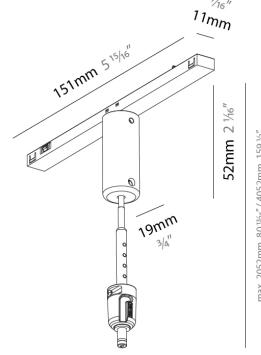
#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

Cable Details: 2000mm / 78 3/4" or 4000 / 157 1/2" Cable

IP rating: IP20





max. 2052mm 8013/16" / 4052mm 1591/2"





# PROJECT TYPE NOTES QUANTITY DATE

# A380215-

DESCRIPTION	
Plug Connector - 10000mm Cable	

GENERAL
Series: Minimal Track
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular
PHYSICAL

Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular
PHYSICAL
Length (mm): 151
Length (in): 5 15/16
Width (mm): 19
Width (in): 3/4
Height (mm): 52
Height (in): $2\frac{1}{16}$
Max. Overall Height (mm): 10052
Max. Overall Height (in): 395 <sup>3</sup> / <sub>4</sub>
Weight (kg): 0.112
Weight (lbs): 0.247
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: 10,000mm / 393 11/16" Cable - Black

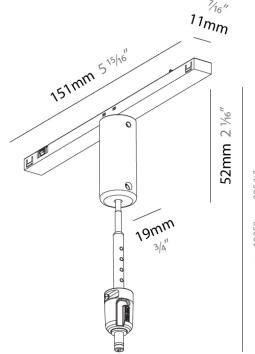
#### OPTICAL

Adjustability: Fixed

#### **RATINGS AND CERTIFICATIONS**

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





max. 10052mm 395 34"





# PROJECT TYPE NOTES QUANTITY DATE

# A380216-

DESCRIPTION	
Plug Connector - 1100mm Cable	

#### GENERAL

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Series: Minimal Track
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

#### **PHYSICAL**

Length (mm): 151
Length (in): 5 15/16
Width (mm): 19
Width (in): 3/4
Height (mm): 52
Height (in): 2 ½
Max. Overall Height (mm): 1152
Max. Overall Height (in): 45 $\frac{3}{8}$
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

## OPTICAL

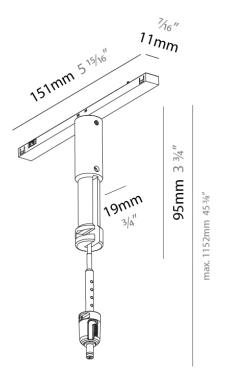
Adjustability: Fixed

#### RATINGS AND CERTIFICATIONS

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

Cable Details: 1100mm / 43 5/16" Cable - Black









PROJECT
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DATE

# A380596-

#### DESCRIPTION

Microline Insert L=672mm, LED 8W, max. 429lm, CRI90

## GENERAL

S	eries: Minimal Track
В	Brand: Prolicht
D	Division: Architectural
M	Nounting Type: Surface
M	Mounting Location: Wall / Ceiling
S	ubcategory: Modular

#### **PHYSICAL**

Shape: Rectangle	
Length (mm): 674	
Length (in): 26 % 16	
Width (mm): 11	
Width (in): 7/16	
Height (mm): 7	
Height (in): 1/4	
Light Distribution: Direct	
Fixture Material: Aluminum	

#### **ELECTRICAL**

Input Wattage Range: 1 - 9 W	
Lamp Type: LED (Zhaga Standard)	
Input Wattage (W): 9.79	
Total Output Wattage (W): 7.26	
Dimming: Non-Dimmable	
Driver Included: Yes	
Driver Location: Integrated	
Driver Type: Constant Voltage - Universal	
Driver Class: Class 2	
Input Voltage (V): 120 - 277	
Output Voltage (V): 48	
Upon Request: Dali/ 0-10V Dimming	
	_

# LED

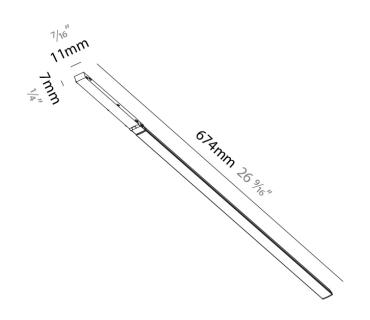
Delivered Lumen Range: 100 - 499 lm	
Color Temperature (°K): 2700 / 3000	
Max. Delivered Lumen (lm): 386	
CRI: >90 CRI	
Lamp Life (hrs): 50000	

## OPTICAL

Beam Angle: 116

#### RATINGS AND CERTIFICATIONS









PROJECT
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NOTES
QUANTITY
DATE
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# A380597-

#### DESCRIPTION

Microline Insert for Minimal Track Surface - L=1170mm / 46 1/16", LED 15.8W, max. 772lm, CRI90

#### **GENERAL**

Series: Microline	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Surface	
Mounting Location: Wall / Ceiling	
Subcategory: Modular	

## PHYSICAL

Shape: Rectangle

Length (mm): 1174	
Length (in): 46 1/4	
Width (mm): 11	
Width (in): 7/16	
Height (mm): 7	
Height (in): 1/4	
Light Distribution: Direct	
Fixture Material: Aluminum	

ELECTRICAL
Input Wattage Range: 10 - 19 W
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 15.8
Total Output Wattage (W): 14.4
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Voltage - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Output Voltage (V): 48
Upon Request: Dali/ 0-10V Dimming
LED

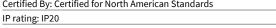
LED
Delivered Lumen Range: 500 - 999 lm
Color Temperature (°K): 2700 / 3000
Max. Delivered Lumen (lm): 772
CRI: >90 CRI
Lamp Life (hrs): 50000

#### OPTICAL

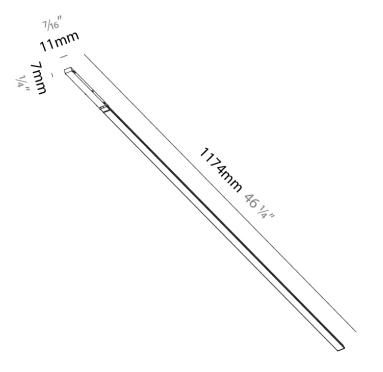
Beam Angle: 116

# **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards











	PROJECT
	ТУРЕ
	NOTES
	QUANTITY
	DATE

# A380598-

#### DESCRIPTION

Microline Insert for Minimal Track Surface L=1670mm / 65 3/4", LED 24W, max. 1158lm, CRI90

#### **GENERAL**

Series: Minimal Track
Brand: Prolicht
Division: Architectural
Mounting Type: Surface
Mounting Location: Wall / Ceiling
Subcategory: Profile

#### **PHYSICAL**

Shape: Rectangle

Length (mm): 1674Length (in):  $65 \frac{7}{6}$ Width (mm): 11Width (in): 7/16Height (mm): 7Height (in): 1/4Light Distribution: Direct
Fixture Material: Aluminum

#### **ELECTRICAL**

Input Wattage Range: 20 - 29 W
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 24
Total Output Wattage (W): 21.8
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Voltage - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Output Voltage (V): 48
Upon Request: Dali/ 0-10V Dimming

LED

Delivered Lumen Range: 1000 - 1999 lm

Color Temperature (°K): 2700 / 3000

Max. Delivered Lumen (lm): 1158

CRI: >90 CRI

Lamp Life (hrs): 50000

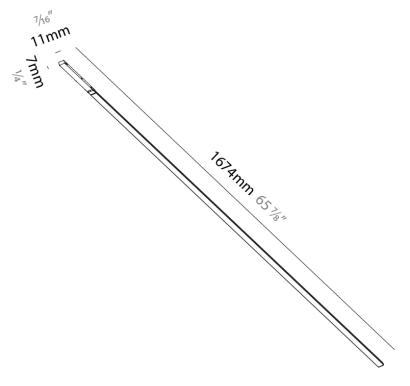
#### OPTICAL

Beam Angle: 116

# **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards









# **PROJECT** TYPE NOTES QUANTITY DATE

# A380601-

#### DESCRIPTION

Hangover Plug Ø40 - 450mm LED (Zhaga Standard) 9W Max. 868lm, 48Vdc, CRI90

#### **GENERAL**

Series: Hangover Plug Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling

Subcategory: Modular **PHYSICAL** Shape: Cylinder Diameter (mm): 40 Diameter (in): 1 1/16 Height (mm): 450 Height (in): 17 1/16 Light Distribution: Direct Weight (kg): 0.481 Weight (lbs): 1.06 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 Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Aluminum **ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 9 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 500 Upon Request: DALI LED Delivered Lumen Range: 500 - 999 lm

Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 695 / 726 / 755 / 770 Nominal Lumen (lm): 969 / 1014 / 1054 / 1075 CRI: >90 CRI Lamp Life (hrs): 50000 OPTICAL

Optic°: 40 / 52 Adjustability: Fixed

#### **RATINGS AND CERTIFICATIONS**









# **PROJECT** TYPE NOTES QUANTITY DATE

# A380602-

#### DESCRIPTION

Hangover Plug Ø75 - 150mm LED 9.8W Max. 951lm, 2700K / 3000K / 3500K / 4000K - 48Vdc, CRI90 - Shine Ring - Optics: 18° / 36° / 56°

#### **GENERAL**

Series: Hangover Plug Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling

Subcategory: Modular PHYSICAL Shape: Cylinder Diameter (mm): 75 Diameter (in): 2 15/16 Height (mm): 150 Height (in): 5 1/8 Light Distribution: Direct Weight (kg): 0.481 Weight (lbs): 1.06 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 Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Aluminum

**ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 9.8 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 500 Upon Request: DALI LED

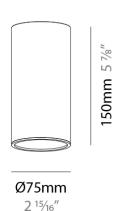
Delivered Lumen Range: 500 - 999 lm Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 857 / 896 / 932 / 951 Nominal Lumen (lm): 969 / 1014 / 1054 / 1075 CRI: >90 CRI Lamp Life (hrs): 50000 OPTICAL

Opticº: 18 / 36 / 56

IP rating: IP20

Adjustability: Fixed **RATINGS AND CERTIFICATIONS** Certified By: Certified for North American Standards









# A380603-

#### DESCRIPTION

Hangover Plug Suspension Direct/Indirect Ø75 - 150mm LED 9.8W Max. 1829lm, 2700K / 3000K / 3500K / 4000K - 48Vdc, CRI90

- Shine Ring Optics:  $18^{\circ}$  /  $36^{\circ}$  /  $56^{\circ}$  (Plug Connector not included
- See Compnents)

#### GENERAL

Series: Hangover Plug

Brand: Prolicht

Division: Architectural

Mounting Type: Track

Mounting Location: Ceiling

Subcategory: Modular

#### **PHYSICAL**

Shape: Cylinder

Diameter (mm): 75

Diameter (in): 2 15/16

Height (mm): 150 Height (in):  $5\frac{7}{8}$ 

Light Distribution: Direct / Indirect

Weight (kg): 0.481

Weight (lbs): 1.06

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

Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Aluminum

#### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 19.5

Dimming: Non-Dimmable

Driver Included: No

Driver Location: Remote

Driver Type: Constant Voltage - 120/277Vac

Driver Class: Class 2

Input Voltage (V): 48

Constant Current (MA): 500

Upon Request: DALI

Delivered Lumen Range: 500 - 999 lm

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 1757 / 1789 / 1796 / 1833

Nominal Lumen (lm): 2370 / 2476 / 2510 / 2561 CRI: >90 CRI

Lamp Life (hrs): 50000

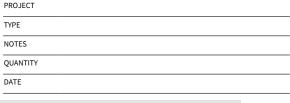
#### OPTICAL

Opticº: 18 / 36 / 56

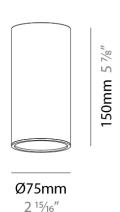
Adjustability: Fixed

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards











# PROJECT TYPE NOTES QUANTITY DATE

# A380604-

#### DESCRIPTION

Magiq Micro for Minimal TracK - 5.5W LED (Zhaga Standard) - 2700K / 3000K / 3500K Max. 365lm, Beam Angle 54

#### **GENERAL**

Series: Magiq Micro
Brand: Prolicht
Division: Architectural
Mounting Type: Track

Mounting Type: Track

PHYSICAL

Shape: Rectangle

Length (mm): 300

Length (in): 11 <sup>13</sup>/<sub>16</sub>

Width (mm): 11

Width (in): 7/16

Height (mm): 7

Height (in): 1/4

Light Distribution: Direct

Fixture Finish: BLK / WHI

Fixture Material: Aluminum Die Cast

ELECTRICAL

ELECTRICAL

Input Wattage Range: 1 - 9 W

Lamp Type: LED

Input Wattage (W): 7.5

Total Output Wattage (W): 5

Dimming: Non-Dimmable

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Output Voltage (V): 48

Upon Request: Dali/ 0-10V Dimming

#### LED

Color Temperature (°K): 2700 / 3000 / 3500

Max. Delivered Lumen (lm): 338 / 365

Nominal Lumen (lm): 400

CRI: >90 CRI

Lamp Life (hrs): 50000

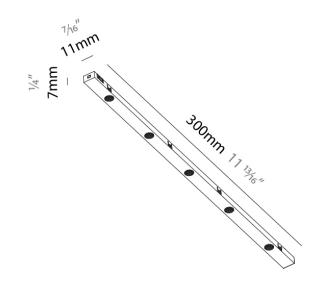
# OPTICAL

Beam Angle: 54

# RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards
IP rating: IP20









# PROJECT TYPE NOTES QUANTITY DATE

# A380605-

#### DESCRIPTION

Minimal Track Surface Snooker - 6.5W LED (Zhaga Standard) - 2700K / 3000K / 3500K / 4000K - 48Vdc - Chrome - CRI90 (DALI Dimming Only) - Optic:  $32^\circ/58^\circ$ 

#### **GENERAL**

Series: Snooker Metal
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

Subcategory: Modular

PHYSICAL

Shape: Round

Diameter (mm): 72

Diameter (in): 2 13/16

Height (mm): 71

Height (in): 2 13/16

Light Distribution: Direct

Weight (kg): 0.26

Weight (lbs): 0.04

Fixture Finish: CHR

Fixture Material: Aluminum

ELECTRICAL

Input Wattage Range: 1 - 9 W

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 6.5

Total Output Wattage (W): 6

Dimming: Non-Dimmable

Driver Included: No

Driver Location: Remote

Driver Type: Constant Voltage - 120/277Vac

Driver Class: Class 2

Input Voltage (V): 48

Constant Current (MA): 500

Upon Request: DALI

LED

Delivered Lumen Range: 100 - 499 lm

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 283 / 328 / 349 / 356

Nominal Lumen (lm): 460 / 487 / 517 / 528

CRI: >90 CRI

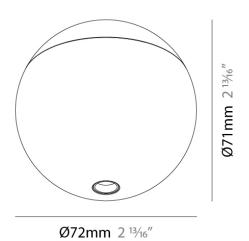
Lamp Life (hrs): 50000

### OPTICAL

Beam Angle: 32 / 58 Adjustability: Fixed

#### **RATINGS AND CERTIFICATIONS**









# PROJECT TYPE NOTES QUANTITY DATE

# A380606-

#### DESCRIPTION

Snooker Insert for Minimal Track Surface - 6.5W LED (Zhaga Standard) - 2700K / 3000K / 3500K / 4000K - 48Vdc - Chrome - CRI90 (DALI Dimming Only) - Shine Ring - Optic:  $32^\circ/58^\circ$ 

### GENERAL

Series: Snooker Metal

Brand: Prolicht

Division: Architectural

Mounting Type: Track

Mounting Location: Ceiling

Subcategory: Modular

Subcategory: Modular

PHYSICAL

Shape: Round

Diameter (mm): 72

Diameter (in): 2 13/15

Height (mm): 71

Height (in): 2 15/15

Light Distribution: Direct

Weight (kg): 0.26

Weight (lbs): 0.04

Fixture Finish: CHR

Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Aluminum

#### **ELECTRICAL**

Input Wattage Range: 1 - 9 W
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 6.5
Total Output Wattage (W): 6
Dimming: Non-Dimmable
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120/277Vac
Driver Class: Class 2
Input Voltage (V): 48
Constant Current (MA): 500
Upon Request: DALI

Delivered Lumen Range: 100 - 499 lm

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 283 / 328 / 349 / 356

Nominal Lumen (lm): 460 / 487 / 517 / 528

CRI: >90 CRI

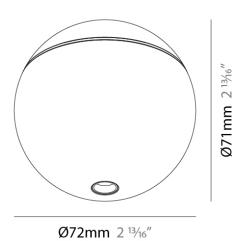
Lamp Life (hrs): 50000

# OPTICAL

Beam Angle: 32 / 58
Adjustability: Fixed

## RATINGS AND CERTIFICATIONS









# A380655-

#### DESCRIPTION

Bilo Insert for Minimal Track System Surface - Ø120mm - 6.4W LED, 48V, CRI:90, Beam 180

#### **GENERAL**

Series: Bilo Subseries: Bilo Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling

Subcategory: Modular **PHYSICAL** Shape: Sphere Diameter (mm): 120 Diameter (in): 4 3/4 Height (mm): 120 Height (in): 4 1/4 Light Distribution: Omnidirectional 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

Accent Finish: OPL / YEL / ORA / RED / BLU / GRN

Fixture Material: Glass / Metal

Cable Details: 2000mm/78 3/4" or 4000mm/157 1/2" Cable - Color Options: Black / White / Orange / Red / Green

#### **ELECTRICAL**

Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 6.4 Dimming: Non-Dimmable / 0-10V Dimming

Driver Included: No Driver Location: Integrated

Driver Type: Constant Voltage - Universal

Driver Class: Class 2

Input Voltage (V): 48

Constant Current (MA): 500

Upon Request: 0-10V Dimming with Tridonic Bridge

#### LED

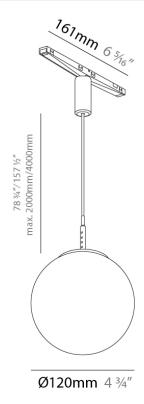
Delivered Lumen Range: 100 - 499 lm Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 356 / 377 / 398 / 408 Nominal Lumen (lm): 460 / 487 / 514 / 528 CRI: >90 CRI Lamp Life (hrs): 50000

#### **RATINGS AND CERTIFICATIONS**

Certified By: CSA Certified to UL and CSA Standards











# **PROJECT** TYPE NOTES QUANTITY DATE

# A380746-

#### DESCRIPTION

Imagine Micro Insert for Minimal Track Surface - 23mm / 7/8" x 66mm / 25/8" - 4.4W LED, 2700K / 3000K / 3500K / 4000K - 48 -Non-Dimming / Dali Dim - Adjustable - CRI:90 - Beam: 26° / 28° / 38° / 46° / 64°

## GENERAL

Series: Minimal Track Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling Subcategory: Modular

#### PHYSICAL

Shape: Cylinder Diameter (mm): 23 Diameter (in): 7/8 Height (mm): 66 Height (in): 2 1/8

Light Distribution: Direct

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

Holder Finish: WHI / BLK Fixture Material: Aluminum

#### **ELECTRICAL**

Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 4.4 Dimming: Dali Dimming Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - Universal Driver Class: Class 2

#### LED

Input Voltage (V): 48

Delivered Lumen Range: 100 - 499 lm Color Temperature (°K): 2700 / 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 252 / 271 / 315 / 290 Nominal Lumen (lm): 295 / 317 / 368 / 339 CRI: >90 CRI Lamp Life (hrs): 50000

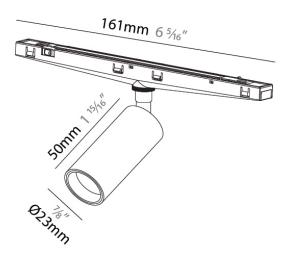
# OPTICAL

Beam Angle: 26, 28, 38, 46, 64 Adjustability: Rotational 350°; Tilt 90°

# **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards









# PROJECT TYPE NOTES QUANTITY DATE

# A380758-

#### DESCRIPTION

Disq Round for Minimal Track Surface, LED (Zhaga Standard): 5.1W LED (Zhaga Standard) - 2700K - 400lm - 48V (DALI Dimming Only) - Dibond Cover

#### **GENERAL**

Series: Disq Round
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

Subcategory: Modular

PHYSICAL

Shape: Round

Diameter (mm): 206

Diameter (in): 8 ½

Height (mm): 19

Height (in): 3/4

Light Distribution: Indirect

Weight (kg): 0.3

Weight (lbs): 0.66

Fixture Finish: COP / MIR / SST

Fixture Material: Aluminum

ELECTRICAL

Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 5.1 Total Output Wattage (W): 4.6 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 96 Upon Request: DALI LED Delivered Lumen Range: 100 - 499 lm Color Temperature (°K): 2700 Max. Delivered Lumen (lm): 400

Color Temperature (°K): 2700

Max. Delivered Lumen (lm): 400

Nominal Lumen (lm): 400

CRI: >90 CRI

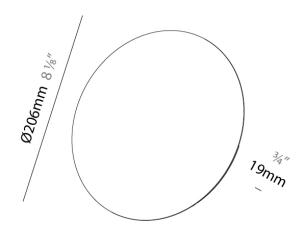
Lamp Life (hrs): 50000

# OPTICAL

Beam Angle: 180

### RATINGS AND CERTIFICATIONS









# PROJECT TYPE NOTES QUANTITY DATE

# A380759-

#### DESCRIPTION

Disq Round for Minimal Round, LED (Zhaga Standard): 5.1W LED (Zhaga Standard) - 2700K - 400lm - 48V (DALI DIM Only) - Powder Coat Colors

#### **GENERAL**

Series: Disq Round
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

Mounting Location: Ceiling
Subcategory: Modular

PHYSICAL
Shape: Round
Diameter (mm): 206
Diameter (in): 8 ½
Height (mm): 17
Height (in): 11/16
Light Distribution: Indirect
Weight (kg): 0.3
Weight (lbs): 0.66
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

Input Wattage Range: 1 - 9 W
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 5.1
Total Output Wattage (W): 4.6
Dimming: Non-Dimmable
Driver Included: No
Driver Location: Remote
Driver Type: Constant Voltage - 120/277Vac
Driver Class: Class 2
Input Voltage (V): 48
Constant Current (MA): 96
Upon Request: DALI

LED
Delivered Lumen Range: 100 - 499 lm

Delivered Lumen Range: 100 - 499 lm

Color Temperature (°K): 2700

Max. Delivered Lumen (lm): 400

Nominal Lumen (lm): 400

CRI: >90 CRI

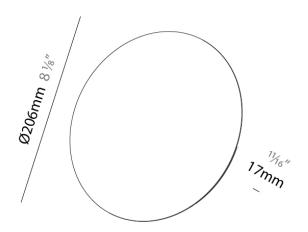
Lamp Life (hrs): 50000

# OPTICAL

Beam Angle: 180

#### **RATINGS AND CERTIFICATIONS**









# **PROJECT** TYPE NOTES QUANTITY DATE

# A380760-

#### DESCRIPTION

Disq Square for Minimal Track Surface, LED (Zhaga Standard): 5.1W LED (Zhaga Standard) - 2700K - 400lm - 48V (DALI DIM Only) - DiBond Cover

#### **GENERAL**

Series: Disq Square Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling Subcategory: Modular

#### PHYSICAL

Shape: Round Length (mm): 216 Length (in): 8 1/2 Width (mm): 216 Width (in): 8 1/2 Height (mm): 17 Height (in): 11/16 Light Distribution: Indirect Weight (kg): 0.307 Weight (lbs): 0.677 Fixture Finish: COP / MIR / SST

Fixture Material: Aluminum **ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 5.1 Total Output Wattage (W): 4.6 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2 Input Voltage (V): 48 Constant Current (MA): 96 Upon Request: DALI Delivered Lumen Range: 100 - 499 lm

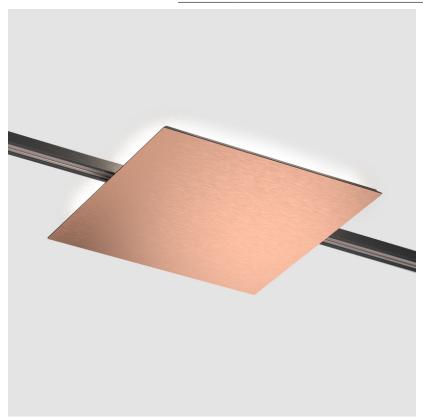
Color Temperature (°K): 2700 Max. Delivered Lumen (lm): 400 Nominal Lumen (lm): 400 CRI: >90 CRI Lamp Life (hrs): 50000

#### OPTICAL

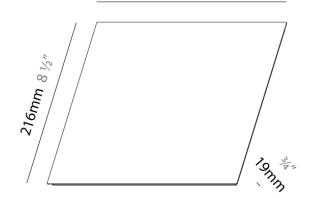
Beam Angle: 180

#### **RATINGS AND CERTIFICATIONS**

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



## 216mm 8 1/2"







# **PROJECT** TYPE NOTES QUANTITY DATE

# A380761-

#### DESCRIPTION

Disq Square for Minimal Track Surface, LED (Zhaga Standard): 5.1W LED (Zhaga Standard) - 2700K - 400lm - 48V (DALI DIM Only) - Powder Coat Colors

### **GENERAL**

Series: Disq Square Brand: Prolicht Division: Architectural Mounting Type: Track

Mounting Location: Ceiling Subcategory: Modular PHYSICAL Shape: Round Length (mm): 216 Length (in): 8 1/2 Width (mm): 216 Width (in): 8 1/2 Height (mm): 17 Height (in): 11/16 Light Distribution: Indirect Weight (kg): 0.4 Weight (lbs): 0.88 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

#### **ELECTRICAL**

Input Wattage Range: 1 - 9 W Lamp Type: LED (Zhaga Standard) Input Wattage (W): 5.1 Total Output Wattage (W): 4.6 Dimming: Non-Dimmable Driver Included: No Driver Location: Remote Driver Type: Constant Voltage - 120/277Vac Driver Class: Class 2

Constant Current (MA): 96

Upon Request: DALI

Input Voltage (V): 48

Delivered Lumen Range: 100 - 499 lm Color Temperature (°K): 2700 Max. Delivered Lumen (lm): 400 Nominal Lumen (lm): 400 CRI: >90 CRI Lamp Life (hrs): 50000

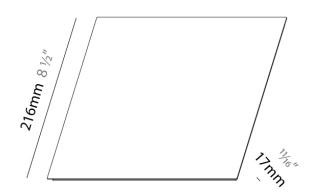
#### OPTICAL

Beam Angle: 180

## **RATINGS AND CERTIFICATIONS**











PROJECT
TYPE
NOTES
QUANTITY
DATE

# A3T141-

#### DESCRIPTION

Minimal Track - Profile - 1000mm / 2000mm / 3000mm - Aluminum Profile - Black or White

#### **GENERAL**

Series: Minimal Track

Brand: Prolicht

Division: Architectural

Mounting Type: Surface

Mounting Location: Wall / Ceiling

Subcategory: Profile

Subcategory: Profile

PHYSICAL

Shape: Rectangle

Length (mm): 1000 / 2000 / 3000

Length (in): 39 3/8

Width (mm): 19

Width (in): 3/4

Height (mm): 10

Height (in): 3/8

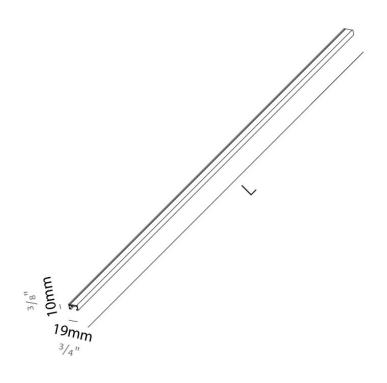
Fixture Finish: BLK / WHI

Fixture Material: Aluminum

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards









# PROJECT TYPE NOTES QUANTITY DATE

# A3T142-

#### **DESCRIPTION**

Minimal Track Wall / Ceiling Cable Loop

#### **GENERAL**

Series: Minimal Track
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

PHYSICAL
Diameter (mm): 17
Diameter (in): 11/16
Height (mm): 30
Height (in): 1 <sup>3</sup>/<sub>15</sub>
Weight (kg): 0.01
Weight (lbs): 0.022
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

#### OPTICAL

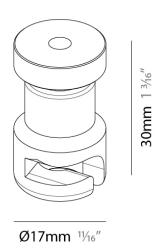
Adjustability: Fixed

#### **RATINGS AND CERTIFICATIONS**

Fixture Material: Aluminum

Certified By: Certified for North American Standards









# A3T143-

#### DESCRIPTION

Minimal Track Suspended Cable Roller

#### GENERAL

Series: Minimal Track	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Track	
Mounting Location: Ceiling	
Subcategory: Modular	

PHYSICAL
Diameter (mm): 17
Diameter (in): 11/16
Height (mm): 75
Height (in): 2 15/16
Weight (kg): 0.02
Weight (lbs): 0.044
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

#### **OPTICAL**

Adjustability: Fixed

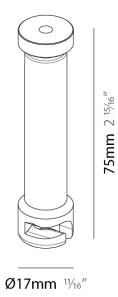
#### **RATINGS AND CERTIFICATIONS**

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



PROJECT TYPE NOTES

QUANTITY







# A3T151-

#### DESCRIPTION

Minimal Track - Driver Box for End Feed - 48Vdc - Max 96W - Nondimming - 120/277Vac

#### **GENERAL**

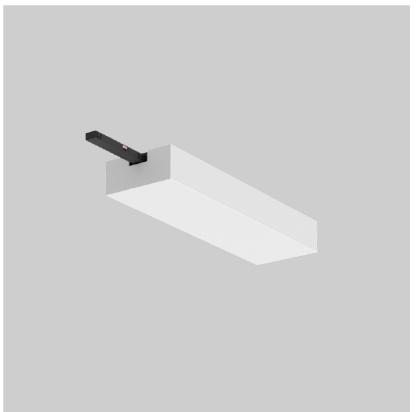
Series: Minimal Track Brand: Prolicht Division: Architectural

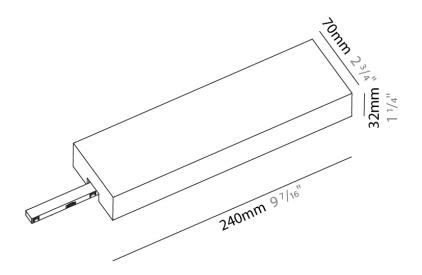
**PHYSICAL** Shape: Rectangle Length (mm): 240 Length (in): 9 1/16 Width (mm): 70 Width (in): 2 3/4 Height (mm): 32 Height (in): 1 1/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Lamp Type: LED (Zhaga Standard) Total Output Wattage (W): 96 Dimming: Non-Dimmable Driver Included: Yes Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 48

# **RATINGS AND CERTIFICATIONS**











# A3T152-

#### DESCRIPTION

Minimal Track - Driver Box for Central Feed - 48 Vdc - Max 96 W - Non-dimming - 120/277 Vac

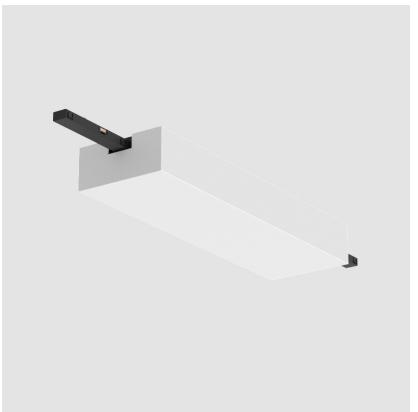
#### **GENERAL**

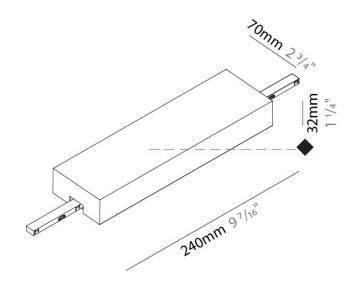
Series: Minimal Track
Brand: Prolicht
Division: Architectural

ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Total Output Wattage (W): 96
Dimming: Non-Dimmable
Driver Included: Yes
Driver Type: Constant Voltage - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Output Voltage (V): 48

# RATINGS AND CERTIFICATIONS











# A3T153

#### DESCRIPTION

Minimal Track - Remote InstalLED (Zhaga Standard) Dali-Driver - 48Vdc - max 96W

#### **GENERAL**

Series: Minimal Track
Brand: Prolicht
Division: Architectural

#### **PHYSICAL**

Length (mm): 252

Length (in): 9 15/16

Width (mm): 28

Width (in): 1 1/8

Height (mm): 20

Height (in): 13/16

Fixture Material: Aluminum

Height (in): 13/16

Fixture Material: Aluminum

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Total Output Wattage (W): 96

Dimming: Dali Dimming

Driver Included: Yes

Driver Type: Constant Voltage - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

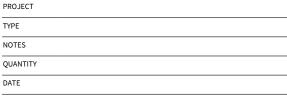
Output Voltage (V): 48

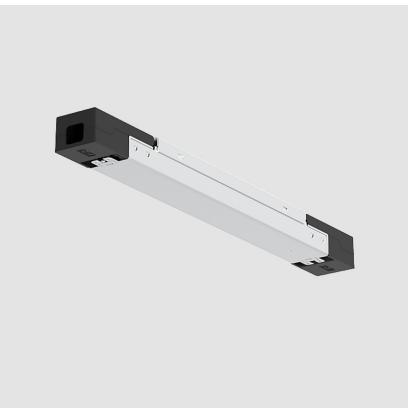
# LED

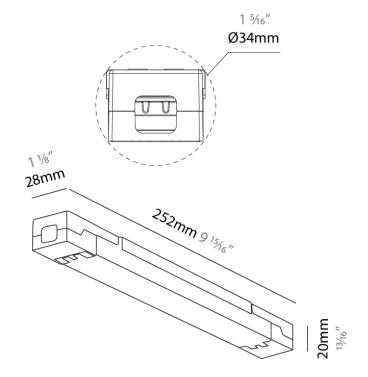
Lamp Life (hrs): 50000

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards











# PROJECT TYPE NOTES QUANTITY DATE

# A3T188-

#### DESCRIPTION

Minimal Track / Code System - Curved Track Ø=800mm /  $45^{\circ}$  -

#### **GENERAL**

Series: Minimal Track Brand: Prolicht Division: Architectural Mounting Type: Track Mounting Location: Ceiling

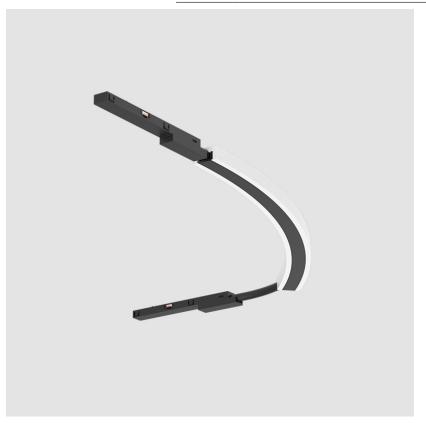
**PHYSICAL** Shape: Curves Diameter (mm): 800 Diameter (in): 31 1/2 Length (mm): 285 Length (in): 11  $\frac{1}{4}$ Width (mm): 130 Width (in): 5 1/8 Height (mm): 10 Height (in): 3/8 Weight (kg): 0.141 Weight (lbs): 0.022 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG /

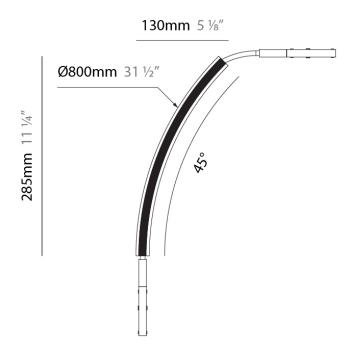
MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

## **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards









# PROJECT TYPE NOTES QUANTITY DATE

# A3T189-

#### DESCRIPTION

Minimal Track / Code System - Curved Track Ø=1600mm /  $45^{\circ}$ 

## GENERAL

Series: Minimal Track	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Track	
Mounting Location: Ceiling	

Mounting Location: Ceiling
PHYSICAL
Shape: Curves
Diameter (mm): 1600
Diameter (in): 63
Length (mm): 740
Length (in): 29 ½
Width (mm): 320
Width (in): 12 ½
Height (mm): 10
Height (in): 3/8
Weight (kg): 0.237
Weight (lbs): 0.037
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH /

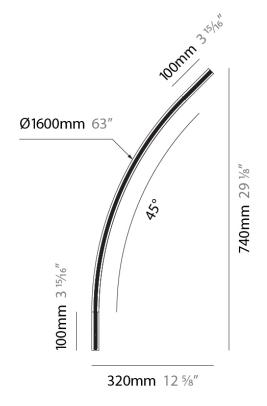
### **RATINGS AND CERTIFICATIONS**

Fixture Material: Aluminum

Certified By: Certified for North American Standards

GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR









# PROJECT TYPE NOTES QUANTITY DATE

### A3T190-

#### DESCRIPTION

Minimal Track / Code System - Curved Track Connector -Ø=400mm / 15 3/4" - 90°

#### **GENERAL**

Series: Minimal Track Brand: Prolicht Division: Architectural

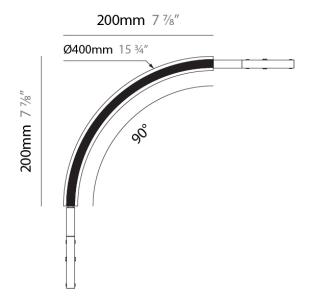
Mounting Type: Track Mounting Location: Ceiling **PHYSICAL** Shape: Curves Diameter (mm): 400 Diameter (in): 15 3/4 Length (mm): 200 Length (in):  $7\frac{7}{8}$ Width (mm): 200 Width (in): 7 1/8 Height (mm): 10 Height (in): 3/8 Weight (kg): 0.135 Weight (lbs): 0.021 Fixture Finish: SSR / BKV / CWI / 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

**RATINGS AND CERTIFICATIONS** 

Certified By: Certified for North American Standards









# PROJECT TYPE NOTES QUANTITY DATE

# A3T191-

# DESCRIPTION Minimal Track - Curved Track Ø=1600mm / 90°

#### **GENERAL**

Series: Minimal Track	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Track	
Mounting Location: Ceiling	

PHYSICAL
Shape: Curves
Diameter (mm): 1600
Diameter (in): 63
Length (mm): 100
Length (in): 3 15/16
Width (mm): 100
Width (in): 3 15/16
Height (mm): 10
Height (in): 3/8
Weight (kg): 0.332
Weight (lbs): 0.052

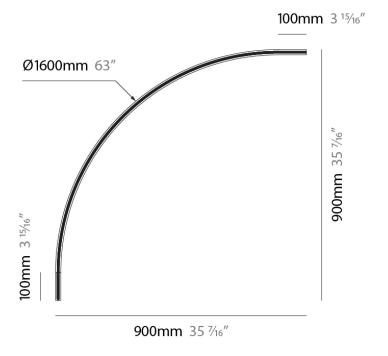
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards









# PROJECT TYPE NOTES QUANTITY DATE

# A3T192-

# **DESCRIPTION**Minimal Track - Curved Track Ø=1600mm / 180°

#### **GENERAL**

Series: Minimal Track
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling

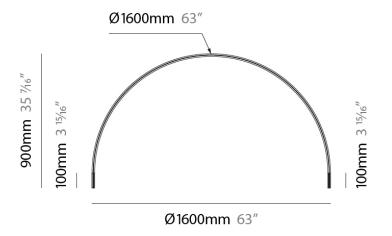
mounting Typer I	· GC···
Mounting Location	on: Ceiling
PHYSICAL	
Shape: Curves	
Diameter (mm): 1	600
Diameter (in): 63	
Length (mm): 160	00
Length (in): 63	
Width (mm): 900	
Width (in): 35 <sup>7</sup> / <sub>16</sub>	
Height (mm): 10	
Height (in): 3/8	
Weight (kg): 0.522	2
Weight (lbs): 0.08	2
	R / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / / FRO / FUP / KIA / POP / BLS / SPG / MFY / GOH /

# Fixture Material: Aluminum RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

 ${\sf GUM\,/\,CHC\,/\,COM\,/\,ABZ\,/\,JAG\,/\,OBR\,/\,MOS\,/\,ROR}$ 









# PROJECT TYPE NOTES QUANTITY DATE

# A3T193-

DESCRIPTION		
Minimal Track - X-Connector		

#### **GENERAL**

Series: Minimal Track	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Track	
Mounting Location: Ceiling	

#### **PHYSICAL**

Length (mm): 160

Length (in): 6 <sup>5</sup> / <sub>16</sub>
Width (mm): 160
Width (in): 6 <sup>5</sup> / <sub>16</sub>
Height (mm): 10
Height (in): 3/8
Weight (kg): 0.15
Weight (lbs): 0.33
Eixture Finish: SSR / BKV / CWI / CRV / HAR / HET / ITA / RHA / FTG /

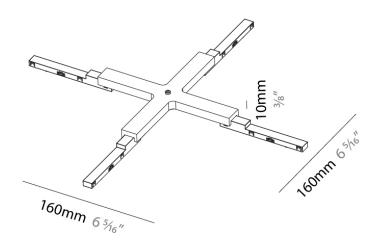
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards









# PROJECT TYPE NOTES QUANTITY DATE

# A3T194-

DESCRIPTION		
Minimal Track - T-Connector		

#### **GENERAL**

Series: Minimal Track	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Track	
Mounting Location: Ceiling	

#### **PHYSICAL**

Length (mm): 160	
Length (in): 6 1/16	
Width (mm): 89	
Width (in): 3 ½	
Height (mm): 10	
Height (in): 3/8	
Weight (kg): 0.1	
Weight (lbs): 0.22	

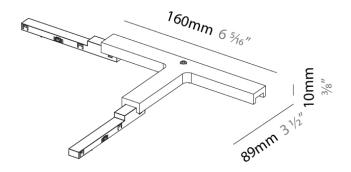
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards









# **A3MINTRK-SUR-SYS COMPONENTS**

### A3T256-

#### DESCRIPTION

Minimal Track - Driver Box for End Feed - 48Vdc - Max 96W - Dali dimming - 120/277Vac

#### **GENERAL**

Series: Minimal Track Brand: Prolicht Division: Architectural

**PHYSICAL** Shape: Rectangle Length (mm): 240 Length (in): 9 1/16 Width (mm): 70 Width (in): 2 3/4 Height (mm): 32 Height (in): 1 1/4 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

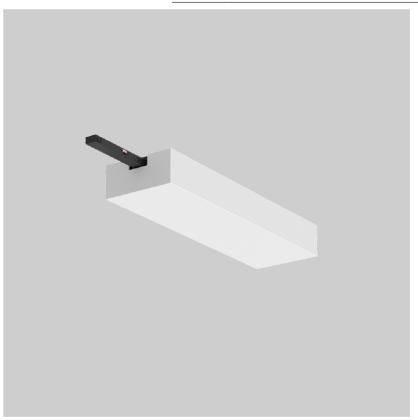
Fixture Material: Aluminum

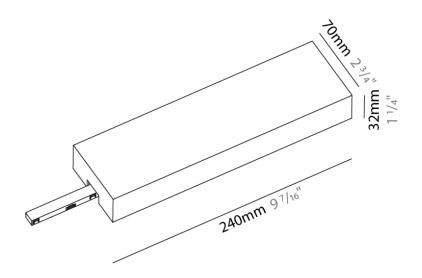
Lamp Type: LED (Zhaga Standard) Total Output Wattage (W): 96 Dimming: Non-Dimmable Driver Included: Yes Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 48

#### **RATINGS AND CERTIFICATIONS**

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

PROJECT TYPE NOTES QUANTITY DATE









# **A3MINTRK-SUR-SYS COMPONENTS**

### A3T257-

#### DESCRIPTION

Minimal Track - Driver Box for Central Feed - 48Vdc - Max 96W -Dali dimming - 120/277Vac

#### **GENERAL**

Series: Minimal Track Brand: Prolicht Division: Architectural

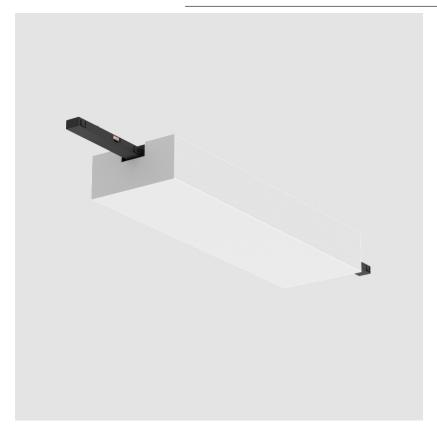
**PHYSICAL** Shape: Rectangle Length (mm): 240 Length (in): 9 1/16 Width (mm): 70 Width (in): 2 3/4 Height (mm): 32 Height (in): 1 1/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR Fixture Material: Aluminum

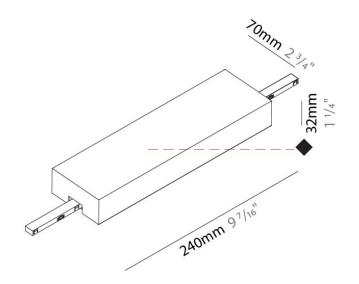
Lamp Type: LED (Zhaga Standard) Total Output Wattage (W): 96 Dimming: Dali Dimming Driver Included: Yes Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 48

#### RATINGS AND CERTIFICATIONS

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

PROJECT TYPE NOTES QUANTITY DATE









# PROJECT TYPE NOTES QUANTITY DATE

# A3T288-

#### DESCRIPTION

Imagine Micro Track Spot for Minimal Track / The Code System -  $\emptyset23mm$  / 7/8" - 6W LED (Zhaga Standard) - 2700K / 3000K / 3000K / 4000K -  $Optics: 18° / <math display="inline">22^\circ$  - Dimmable

#### GENERAL

Series: Imagine
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

#### PHYSICAL

Shape: Cylinder

Diameter (mm): 35

Diameter (in):  $1\frac{7}{8}$ Height (mm): 105

Height (in):  $4\frac{1}{8}$ 

Light Distribution: Adjustable / Direct

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

Holder Finish: WHI / BLK
Fixture Material: Aluminum

ELECTRICAL

Input Wattage Range: 1 - 9 W

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 6

Total Output Wattage (W): 5.4

Dimming: 0-10V / DALI Dimming

Driver Included: No

Driver Location: Remote

Driver Type: Constant Voltage - Universal

Driver Class: Class 2

Input Voltage (V): 48

Delivered Lumen Range: 100 - 499 lm

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 110 / 119 / 124 / 127

Nominal Lumen (lm): 372 / 399 / 418 / 427

CRI: >90 CRI

Lamp Life (hrs): 80000

OPTICAL

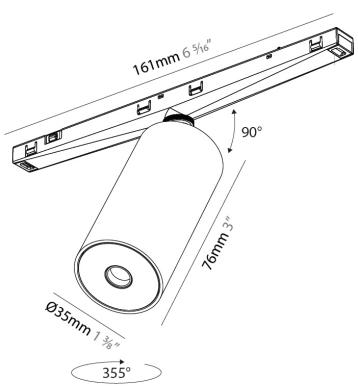
# Optic°: 14

Adjustability: Rotational 350°; Tilt 90°

#### RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards
IP rating: IP20









# PROJECT TYPE NOTES QUANTITY DATE

# A3T323-

DESCRIPTION		
Minimal Track cable loop		
<u></u>		i

#### GENERAL

CENTEROLE
Series: Minimal Track
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

Mountaing Type: Truck
Mounting Location: Ceiling
Subcategory: Modular
PHYSICAL
Diameter (mm): 17
Diameter (in): 11/16
Height (mm): 25
Height (in): 1
Weight (kg): 0.011
Weight (lbs): 0.024
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
OPTICAL

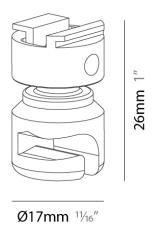
#### OPTICAL

Adjustability: Fixed

#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards









# A3T324-

# **DESCRIPTION**Minimal Track Cable Roller

#### **GENERAL**

CLIERAL
Series: Minimal Track
Brand: Prolicht
Division: Architectural
Mounting Type: Track
Mounting Location: Ceiling
Subcategory: Modular

Mounting Type: Track	
Mounting Location: Ceiling	
Subcategory: Modular	
PHYSICAL	
Diameter (mm): 17	
Diameter (in): 11/16	
Height (mm): 77	
Height (in): 3 ½	
Weight (kg): 0.029	
Weight (lbs): 0.064	
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	
OPTICAL	
Adjustability: Fixed	

**RATINGS AND CERTIFICATIONS** 

IP rating: IP20

Certified By: Certified for North American Standards



TYPE NOTES







# PROJECT TYPE NOTES QUANTITY DATE

# A3T325-

#### DESCRIPTION

Minimal Track - Suspended Cable Roller

#### GENERAL

Series: Minimal Track	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Track	
Mounting Location: Ceiling	

Mounting Location: Ceiling
PHYSICAL
Diameter (mm): 17
Diameter (in): 11/16
Height (mm): 80
Height (in): 3 1/8
Weight (kg): 0.032
Weight (lbs): 0.005
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG /

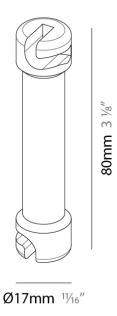
MYG/LOD/PUS/FRO/FUP/KIA/POP/BLS/SPG/MEY/GOH/ GUM/CHC/COM/ABZ/JAG/OBR/MOS/ROR

Fixture Material: Aluminum

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards









# **A3MINTRK-SUR-SYS COMPONENTS**

PROJECT		
TYPE		
NOTES		
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)
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	<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)
$\hat{\pm}$	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)	<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
8	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)

IK02	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) $$
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

protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm