

A380114

DESCRIPTION

Idaho / Hypro 40 System - Per Meter - Opal Diffuser

GENERAL

Series: Hypro	
Subseries: Hypro 40	
Brand: Prolicht	
Division: Architectural	

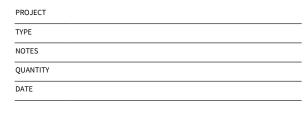
Division: Architectural
PHYSICAL
Shape: Rectangle
Length (mm): Max. 3000
Length (in): Max. 118 1/9
Width (mm): 35
Width (in): 1 3/8
Height (mm): 28
Height (in): 1 1/8
Diffuser: PMMA - Opal Diffuser - Per Meter
Fixture Material: Aluminum
ELECTRICAL

Lamp Type: LED (Zhaga Standard)

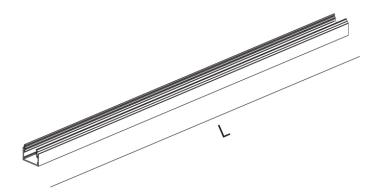
RATINGS AND CERTIFICATIONS

IP rating: IP20

Certified By: Certified for North American Standards











A380115

DESCRIPTION

Idaho / Hypro 40 System - 1128mm - Opal Diffuser

GENERAL

ELECTRICAL

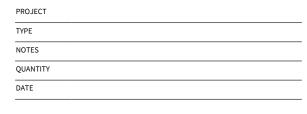
Lamp Type: LED (Zhaga Standard)

Diffuser: PMMA - Opal Diffuser - Per Meter

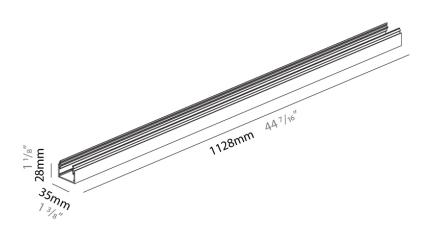
RATINGS AND CERTIFICATIONS

Fixture Material: Aluminum

Certified By: Certified for North American Standards











A380116

DESCRIPTION

Idaho / Hypro 40 System - Per Meter - Micro - Prism - Diffuser

GENERAL

Series: Hypro	
Subseries: Hypro 40	
Brand: Prolicht	
Division: Architectural	
PHYSICAL	
Shape: Rectangle	
Width (mm): 35	
Width (in): 1 ½	
Height (mm): 28	
Height (in): 1 ³ /	

ELECTRICAL

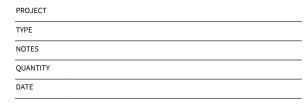
Lamp Type: LED (Zhaga Standard)

RATINGS AND CERTIFICATIONS

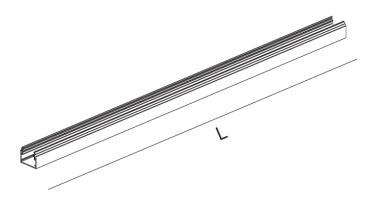
Fixture Material: Aluminum

Certified By: Certified for North American Standards

Diffuser: PMMA - Mircro Prism - Diffuser - Per Meter











A380117

DESCRIPTION

Idaho / Hypro 40 System - 1128mm - Micro - Prism - Diffuser

GENERAL

Series: Hypro
Subseries: Hypro 40
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Rectangle
Length (mm): 1128
Length (in): 44 $\frac{7}{16}$
Width (mm): 35
Width (in): 1 3// ₈
Height (mm): 28

Fixture Material: Aluminum

Height (in): $1\frac{3}{8}$

ELECTRICALLamp Type: LED (Zhaga Standard)

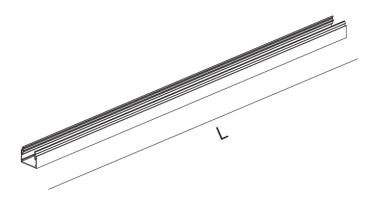
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

Diffuser: PMMA - Mircro Prism - Diffuser - Per Meter











PROJECT TYPE NOTES QUANTITY DATE

A38870

DESCRIPTION

Idaho / Hypro 40 Recessed System Linear Coupler

GENERAL

Q
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Rectangle
Length (mm): 150
Length (in): 5 1/8
Width (mm): 35
Width (in): 1 3/8
Height (mm): 33
Height (in): 1 ⁵ / ₁₆
Weight (kg): 0.167

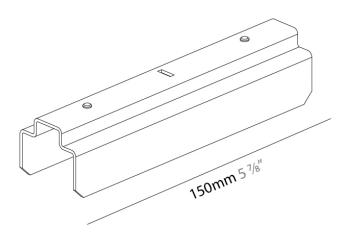
RATINGS AND CERTIFICATIONS

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

IP rating: IP20

Weight (lbs): 0.37 Fixture Material: Aluminum









A38876

DESCRIPTION

Idaho / Hypro 40 Recessed System Central Feed

 GENERAL

 Brand: Prolicht

 Division: Architectural

 PHYSICAL

 Length (mm): 31

 Length (in): 1 ¼

 Width (mm): 27

 Width (in): 1 ¼

 Height (mm): 45

 Height (in): 1 ¾

 Weight (kg): 0.046

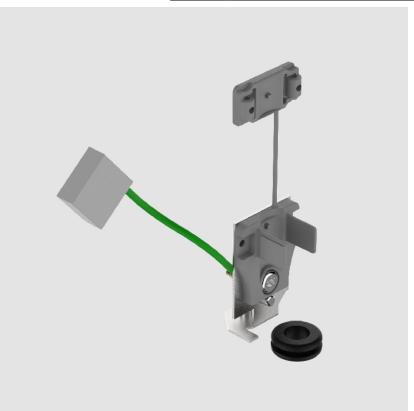
 Weight (lbs): 0.10

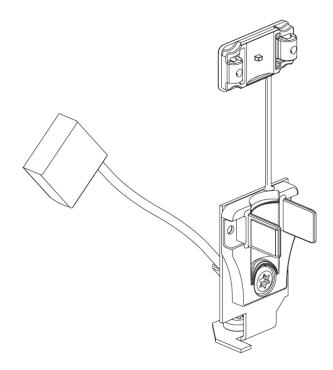
RATINGS AND CERTIFICATIONS

Fixture Material: Aluminum

Certified By: Certified for North American Standards











A38877

DESCRIPTION

Idaho / Hypro 40 Recessed System - Cable Holder

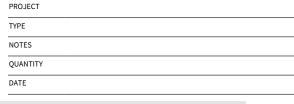
GENERAL

Brand: Prolicht Division: Architectural **PHYSICAL**

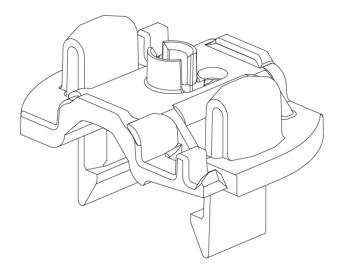
Length (mm): 25 Length (in): 1 Width (mm): 36 Width (in): 1 $\frac{7}{16}$ Height (mm): 22 Height (in): 7/8 Weight (kg): 0.004 Weight (lbs): 0.008 Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











A38878-

DESCRIPTION

LED (Zhaga Standard) Linear Insert - Hypro 40 Profile Insert - 16.5W - 2700K / 3000K / 3500K / 4000K

GENERAL

Brand: Prolicht
Division: Architectural
PHYSICAL

Length (mm): 705

Length (in): $27\frac{3}{4}$ Width (mm): 29Width (in): $1\frac{1}{18}$ Height (mm): 50Height (in): $1\frac{15}{16}$

Light Distribution: Direct
Weight (kg): 0.64
Weight (lbs): 1.41
Fixture Material: Metal

ELECTRICAL

Input Wattage Range: 10 - 19 W
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 16.5
Total Output Wattage (W): 15
Dimming: Non-Dimmable / 0-10V Dimming
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - 120Vac
Driver Class: Class 2
Input Voltage (V): 120

LED

Delivered Lumen Range: 1000 - 1999 lm

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

Max. Delivered Lumen (lm): 1400 / 1490 / 1529 / 1560

Nominal Lumen (lm): 2250 / 2400 / 2450 / 2500

CRI: >80 CRI

Lamp Life (hrs): 50000

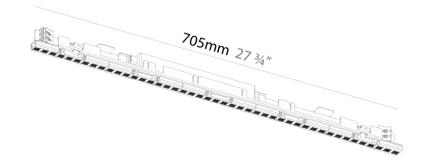
RATINGS AND CERTIFICATIONS

Constant Current (MA): 350

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













A38879-

DESCRIPTION

LED (Zhaga Standard) Linear Insert - Hypro 40 Profile Insert - 35.6W LED (Zhaga Standard) - 2700K / 3000K / 3500K / 4000K

GENERAL

Brand: Prolicht

Division: Architectural

PHYSICAL

Length (in): 55 ⁷/₁₆

Width (mm): 29
Width (in): 1 ½
Height (mm): 50

Light Distribution: Direct Weight (kg): 1.136 Weight (lbs): 2.5 Fixture Material: Metal

Height (in): 1 15/16

ELECTRICAL

Input Wattage Range: 30 - 49 W
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 35.6
Total Output Wattage (W): 30

Dimming: Non-Dimmable / 0-10V Dimming

Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - 120Vac

Driver Class: Class 1 and Class 2 Input Voltage (V): 120

Constant Current (MA): 350

Constant Current (MA): 33

LED

Delivered Lumen Range: 2000 - 3999 lm Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 2800 / 2990 / 3048 / 3110

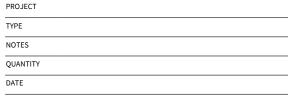
Nominal Lumen (lm): 4500 / 4800 / 4900 / 5000

CRI: >80 CRI

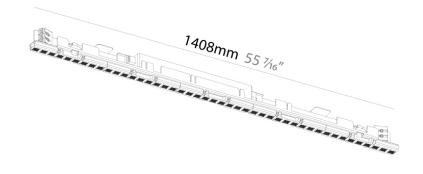
Lamp Life (hrs): 50000

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards













A38880

DESCRIPTION

Idaho 40 / Hypro 40 - System - 705mm Opal Diffuser

GENERAL

Brand: Prolicht

Division: Architectural

PHYSICAL

Shape: Rectangle

Length (mm): 705

Length (in): 27 ¾

Width (mm): 35

Width (in): 1 ⅓

Height (mm): 28

Height (in): 1 ½

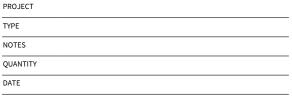
Weight (kg): 0.138

RATINGS AND CERTIFICATIONS

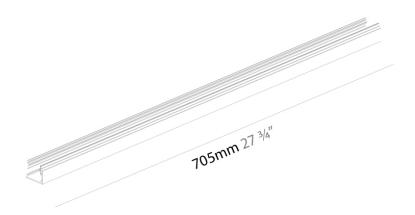
Certified By: Certified for North American Standards

IP rating: IP20

Weight (lbs): 0.3 Diffuser: PMMA - Opal





















A38881

Idaho / Hypro 40 System - 1408mm Opal Diffuser

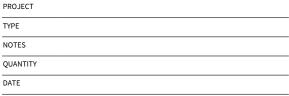
GENERAL
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Rectangle
Length (mm): 1408
Length (in): 55 ⁷ / ₁₆
Width (mm): 35
Width (in): 1 3/8
Height (mm): 28
Height (in): 1 1/8

RATINGS AND CERTIFICATIONS

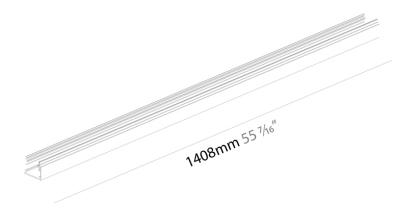
Certified By: Certified for North American Standards

IP rating: IP20

Weight (kg): 0.276 Weight (lbs): 0.61



















A38882

DESCRIPTION

Idaho 40 / Hypro 40 - System - 2113mm Opal Diffuser

GENERAL
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Rectangle
Length (mm): 2113
Length (in): 83 ³ / ₁₆
Width (mm): 35
Width (in): 1 3/8
Height (mm): 28
Height (in): 1 3/8
Weight (kg): 0.41

RATINGS AND CERTIFICATIONS

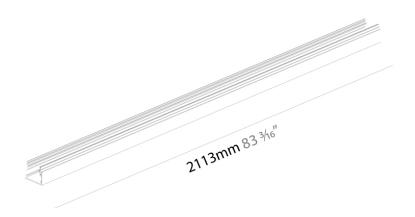
Certified By: Certified for North American Standards

IP rating: IP20

Weight (lbs): 0.9





















A38883

DESCRI	PTION
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Idaho 40 / Hypro 40 - System - 2815mm Opal Diffuser

GENERAL

Brand: Prolicht
Division: Architectural

PHYSICAL

Shape: Rectangle

Length (mm): 2815

Length (in): 110 13/16

Width (mm): 35 Width (in): 1 3/8

Height (mm): 28

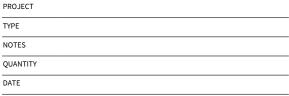
Height (in): 1 ½

Weight (kg): 0.551

Weight (lbs): 1.215

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





















A38884

DESCRIPTION

Idaho 40 / Hypro 40 - Recessed System - 705mm Micro Prism Diffuser

GENERAL

Brand: Prolicht

Division: Architectural

PHYSICAL

Shape: Rectangle

Length (mm): 705

Length (in): 27 ³/₄

Width (mm): 35

Width (in): 1 ³/₈

Height (mm): 28

Height (in): 1 ¹/₈

Weight (kg): 0.2

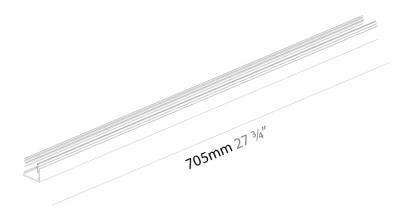
Weight (lbs): 0.44

Diffuser: PMMA - Micro-Prism RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards



















A38885

DESCRIPTION

Idaho 40 / Hypro 40 - Recessed System - 1408mm Micro Prism Diffuser

GENERAL

Brand: Prolicht
Division: Architectural

PHYSICAL

Shape: Rectangle

Length (mm): 1408

Length (in): $55\sqrt[7]_{16}$ Width (mm): 35

Width (in): $1\sqrt[3]_{8}$ Height (in): $2\sqrt[3]_{8}$ Height (in): $2\sqrt[3]_{8}$ Weight (kg): 0.4

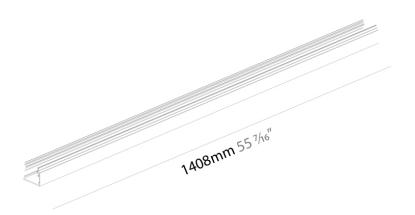
Weight (lbs): 0.88

Diffuser: PMMA - Micro-Prism RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





















A38886

DESCRIPTION

Idaho 40 / Hypro 40 - Recessed System - 2113mm Micro Prism Diffuser

GENERAL

Brand: Prolicht

Division: Architectural

PHYSICAL

Shape: Rectangle

Length (mm): 2113

Length (in): 38 ¾₁₆

Width (mm): 35

Width (in): 1 ¾₈

Height (mm): 28

Height (in): 1 ¾₈

Weight (kg): 0.599

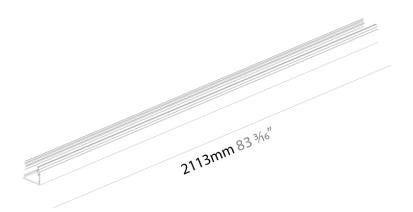
Weight (lbs): 1 5/16

Diffuser: PMMA - Micro-Prism RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





















A38887

DESCRIPTION

Idaho 40 / Hypro 40 - Recessed System - 2815mm Micro Prism Diffuser

GENERAL

Brand: Prolicht

Division: Architectural

PHYSICAL

Length (mm): 2815

Length (in): $110^{13}/_{16}$ Width (mm): 35

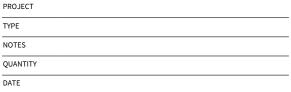
Width (in): $1^{\frac{3}{2}}/_{8}$ Height (mm): 28

Height (in): $1^{\frac{3}{2}}/_{8}$ Weight (kg): 0.798

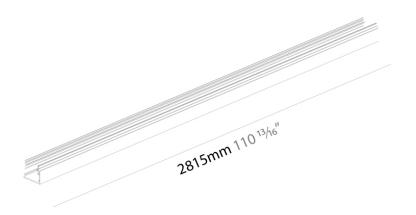
Weight (lbs): 1.76

Diffuser: PMMA - Micro-Prism RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards





















A38892

DESCRIPTION

Idaho / Hypro 40 Recessed System - 1000mm Black Cover

GENERAL
Series: Hypro
Subseries: Hypro 40
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Rectangle
Length (mm): 1000
Length (in): 39 ³ / ₈
Width (mm): 35
Width (in): 1 3/8

Weight (kg): 0.194

Height (mm): 28 Height (in): 1 $\frac{3}{8}$

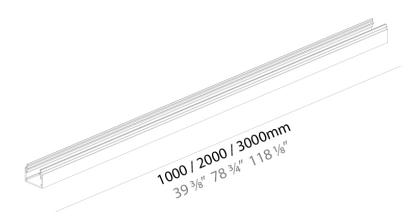
Weight (lbs): 0.428 Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











A38893

DESCRIPTION

Idaho / Hypro 40 Recessed System - 2000mm Black Cover

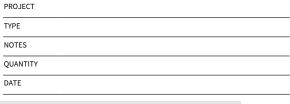
GENERAL
Series: Hypro
Subseries: Hypro 40
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Rectangle
Length (mm): 2000
Length (in): 78 ³ / ₄
Width (mm): 35
Width (IIIII). 55
Width (in): 1 3/8

Fixture Material: Aluminum **RATINGS AND CERTIFICATIONS**

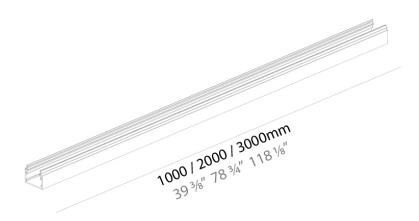
Certified By: Certified for North American Standards

IP rating: IP20

Height (mm): 28 Height (in): 1 $\frac{1}{8}$ Weight (kg): 0.392 Weight (lbs): 0.86











A38894

DESCRIPTION

Idaho / Hypro 40 Recessed System - 3000mm Black Cover

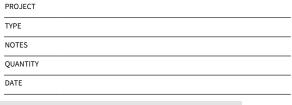
GENERAL
Series: Hypro
Subseries: Hypro 40
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Rectangle
Length (mm): 3000
Length (in): 118 $\frac{1}{8}$
Width (mm): 35
Width (in): 1 3/8
Height (mm): 28

RATINGS AND CERTIFICATIONS

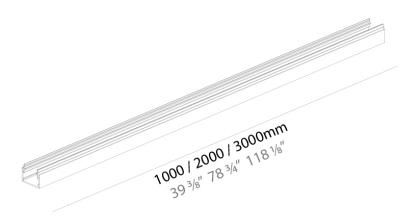
Certified By: Certified for North American Standards

IP rating: IP20

Height (in): 1 $\frac{1}{8}$ Weight (kg): 0.588 Weight (lbs): 1.3 Fixture Material: Aluminum











A38937-

DESCRIPTION

Idaho 40 / Hypro 40 - Suspension End Cap

GENERAL

Brand: Prolicht
Division: Architectural

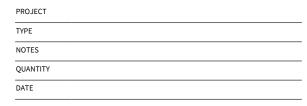
PHYSICAL
Shape: Rectangle
Length (mm): 38
Length (in): 1 ½
Width (mm): 12
Width (in): 1/2
Height (mm): 76
Height (in): 3
Weight (kg): 0.046
Weight (lbs): .10
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP /

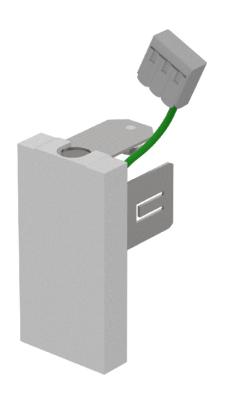
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

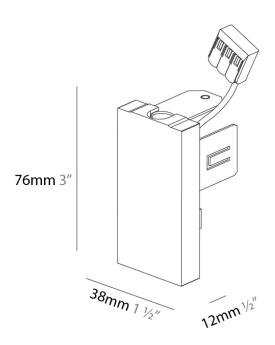
Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











A38939-

DESCRIPTION

Idaho 40 / Hypro 40 - Surface/Suspension L-Coupler

GENERAL

Bra	nd: Prolicht	
Div	sion: Architectural	
РН	SICAL	

Length (mm): 70

Length (in): $2\frac{3}{4}$ Width (mm): 70Width (in): $2\frac{3}{4}$

Height (mm): 76

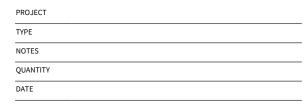
Height (in): 3 Weight (kg): 0.247 Weight (lbs): 0.54

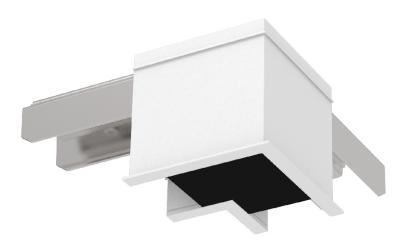
Fixture Finish: SSR/BKV/CWI/CRY/HAB/LAG/UFT/ITA/RUA/RUR/MIC/FTG/MYG/TWT/LOD/PUS/FRO/FUP/KIA/POP/BLS/SPG/MEY/GOH/GUM/CHC/COM/ABZ/JAG/OBR/MOS/ROR

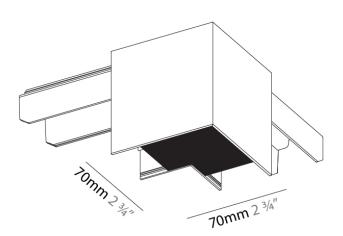
Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











A38940-

DESCRIPTION

Idaho 40 / Hypro 40 - Surface/Suspension T-Coupler

GENERAL

Brand: Prolicht
Division: Architectural

PHYSICAL

Length (mm): 100 Length (in): 3 ¹⁵/₁₆

Width (mm): 70
Width (in): 2 3/4

Height (mm): 76 Height (in): 3

Weight (kg): 0.524

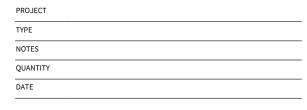
Weight (lbs): 1.16

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

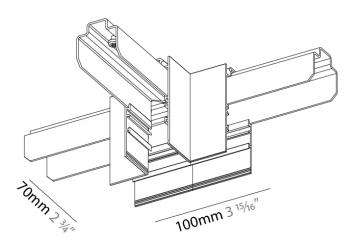
Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











A38941-

DESCRIPTION

Idaho 40 / Hypro 40 - Surface/Suspension X-Coupler

GENERAL

Brand: Prolicht
Division: Architectural

PHYSICAL

Length (mm): 100
Length (in): 3 ¹⁵/₁₆
Width (mm): 100
Width (in): 3 ¹⁵/₁₆

Height (mm): 76
Height (in): 3
Weight (kg): 0.675

Weight (lbs): 1.49

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

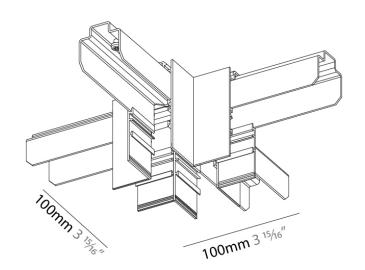
Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











A38942-

DESCRIPTION

Idaho 40 / Hypro 40 - Surface/Suspension Ceiling-Wall Coupler

GENERAL

Brand: Prolicht	
Division: Architectural	
PHYSICAL Length (mm): 49	

Length (in): 1 ¹⁵/₁₆

Width (mm): 49

Width (in): 1 ¹⁵/₁₆

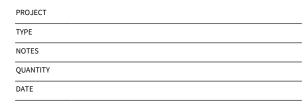
Height (mm): 210
Height (in): 8 1/4
Weight (kg): 0.587
Weight (lbs): 1.29

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

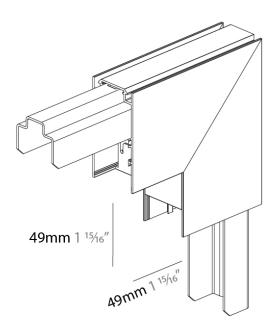
Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards











TYPE NOTES QUANTITY DATE

A38943

DESCRIPTION

Idaho 40 / Hypro 40 - Surface Installation Clip

GENERAL

Brand: Prolicht
Division: Architectural

PHYSICAL

Length (mm): 30 Length (in): $1\frac{3}{16}$

Width (mm): 30 Width (in): 1 ³/₁₆

Height (mm): 12 Height (in): 1/2 Weight (kg): 0.004

Weight (lbs): 1/8
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS /

Fixture Material: Aluminum

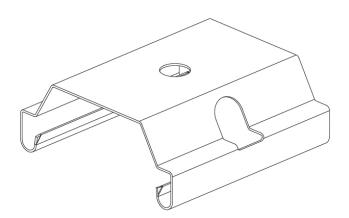
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20



PROJECT







A3ID40-SUR-SYS COMPONENTS SURFACE

PROJECT
ТҮРЕ
NOTES
QUANTITY
DATE

A3D117-

DESCRIPTION

Idaho 40 / Hypro 40 - Surface System Profile per meter - Max 3000mm / 118 1/8"

GENERAL

Brand: Prolicht	
Division: Architectural	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Profile	

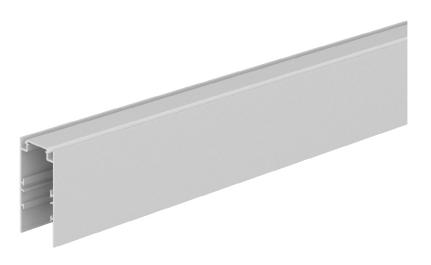
PHYSICAL
Shape: Rectangle
Length (mm): 1000
Length (in): 39 $\frac{3}{8}$
Width (mm): 38
Width (in): 1 ½
Height (mm): 76
Height (in): 3
Weight (kg): 0.959
Weight (lbs): 2.11
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP /

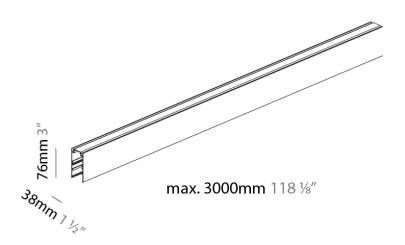
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards









PROJECT			
TYPE			
NOTES			
QUANTITY			
DATE			

LEGEND

					T
<u></u>	floor-mounted	¥	pivotable	⊛	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	S	rotating	0	warm dim / natural dimming LED
\uparrow	ceiling-mounted and wall-mounted	X	illuminate tilted	0	rechargeable battery powered
\rightarrow	wall-mounted	I	color of suspension cable	THOSE THOSE	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution		length of suspension cable	CRI	color rendering index
lack	direct light distribution		reflector degree selection	(°K)	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
X	aura light distribution	0	shine ring	*	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	0	integrated shine ring with diffuser	3	walk on
\Box	square wall or ceiling cut-out	Ċ	free individual colors 01-29	②	drive on
£	the supplied jig specifies the cutout dimensions	C	individual colors: 00 (free of charge), 01-25 (extra charge)	OSC	Dark Sky Compliance
d •+D	minimum distance (meters) lamp - object	♦	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
\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)		blown glass using traditional methods by master glass blower
1	ceiling thickness selection		luminaire part to be colored (F4)	♦ ®	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)		luminaire part to be colored (F5)		protection class I, protection insulation
Civaco	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
9	sensor	0	direct diffuser	c (U) us	UL Certified to UL and CSA Standards
	remote control	0	ball-proof (upon request)	(II)	CSA Certified to UL and CSA Standards
9	available upon request	9	accessory	\mathbf{Z}	Certified for North American Standards

IP RATING

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

IK RATING

above the surface)

IK02	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