ZANEEN®

PI2 WHITELINE RECESSED

A37553-			-	-	
base number	LED	Color	Finishes	Diffuser	-

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

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

GENERAL

Series: Pi2	
Subseries: Pi2 Whiteline	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	

Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
PHYSICAL
Shape: Rectangle
Length (mm): 640
Length (in): 25 ³ / ₁₆
Width (mm): 235
Width (in): 9 1/4
Depth (mm): 150
Depth (in): 5 $\frac{7}{8}$
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 / 30
Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 or 1 3/16
Min. Recessing Depth (mm): 160
Min. Recessing Depth (in): 6 5/16
Light Distribution: Direct
Weight (kg): 4.274
Weight (lbs): 9.40
Diffuser: PMMA - Opal or Micro-Prism
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR ,

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

Cut-out Measurements: 625mm / 24 5/8" x 220mm / 8 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Total Output Wattage (W): 19

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

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

LED

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

Max. Delivered Lumen (lm): 1430 / 1539 / 1570

CRI: >80 CRI

Efficiency (%): 0.516

Lamp Life (hrs): 50000

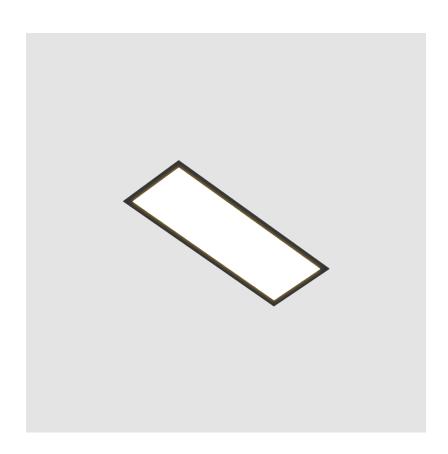
OPTICAL

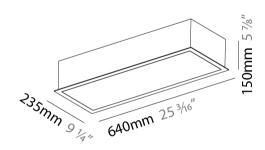
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	



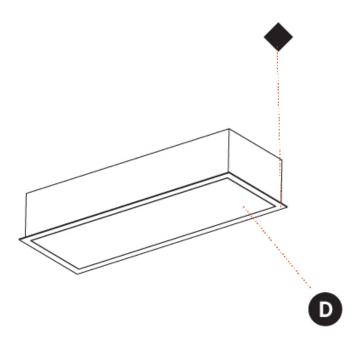






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ZANEEN

PI2 WHITELINE RECESSED

A37555	-	-	-	-	
base number	LED	Color	Finishes	Diffuser	_
	Dimming	Temperature	(Diamond)	Ontions	

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

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

GENERAL

Series: Pi2	
Subseries: Pi2 Whiteline	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Ambient	

Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Ambient	
PHYSICAL	
Shape: Rectangle	
Length (mm): 940	
Length (in): 37	
Width (mm): 235	
Width (in): 9 1/4	
Depth (mm): 150	
Depth (in): $5\frac{7}{8}$	
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25	
Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1	
Min. Recessing Depth (mm): 160	
Min. Recessing Depth (in): 6 1/16	
Light Distribution: Direct	
Weight (kg): 6.31	
Weight (lbs): 13.88	
Diffuser: PMMA - Opal or Micro-Prism	
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR	1

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

Cut-out Measurements: 925mm / 36 7/16" x 220mm / 8 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Total Output Wattage (W): 29

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

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

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

Max. Delivered Lumen (lm): 2140 / 2303 / 2350

CRI: >80 CRI

Efficiency (%): 0.53

Lamp Life (hrs): 50000

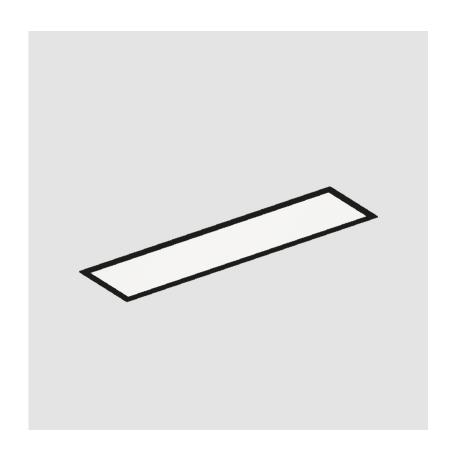
OPTICAL

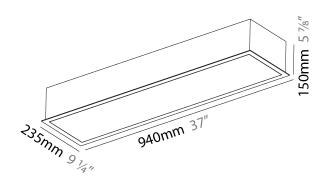
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20













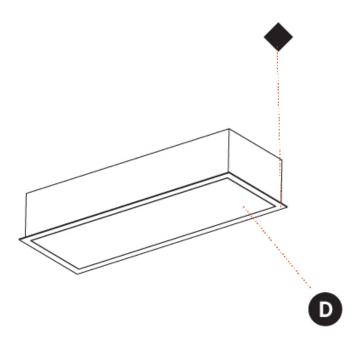






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ZANEEN.

PI2 WHITELINE RECESSED

A37557	-	-	-	-	
base number	LED	Color	Finishes	Diffuser	
	Dimming	Temperature	(Diamond)	Ontions	

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

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

GENERAL

Series: Pi2	
Subseries: Pi2 Whiteline	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Ambient	

ivision: Architectural
ounting Type: Recessed
ounting Location: Ceiling
ubcategory: Ambient
HYSICAL
hape: Rectangle
ength (mm): 1240
ength (in): 48 ¹³ / ₁₆
/idth (mm): 235
/idth (in): 9 ¹ / ₄
epth (mm): 150
epth (in): 5 $\frac{7}{8}$
eiling Thickness (mm): 10 / 12.5 / 15 / 25
eiling Thickness (in): 3/8 or 1/2 or 9/16 or 1
in. Recessing Depth (mm): 160
lin. Recessing Depth (in): 6 1/16
ight Distribution: Direct
/eight (kg): 7.65
/eight (lbs): 16.83
iffuser: PMMA - Opal or Micro-Prism
ixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / IIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG /

Fixture Material: Aluminum

Cut-out Measurements: 1225mm / 48 1/4" x 220mm / 8 11/16"

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

Lamp Type: LED (Zhaga Standard) Total Output Wattage (W): 38

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

Driver Included: Yes

Driver Location: Integrated

Driver Type: Constant Current - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

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

Max. Delivered Lumen (lm): 2860 / 3077 / 3140

CRI: >80 CRI

Efficiency (%): 0.539

Lamp Life (hrs): 50000

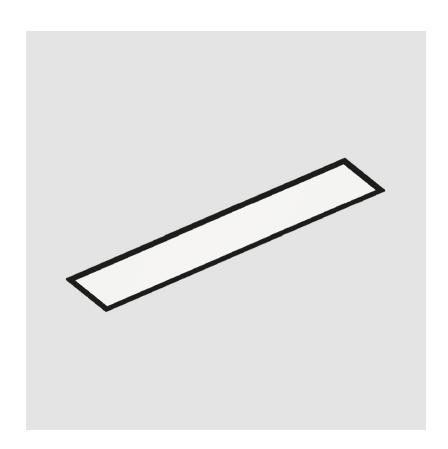
OPTICAL

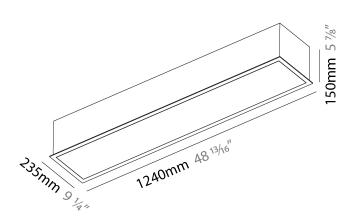
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	











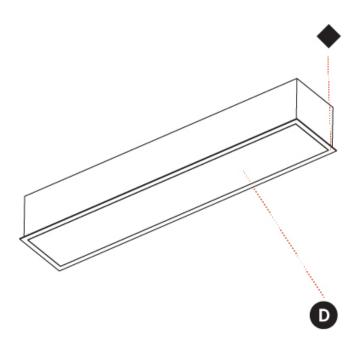






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PROJECT	
TYPE	-
SPECIFIER	_
QUANTITY	-
DATE	-





ZANEEN®

PI2 WHITELINE RECESSED

A37559	-	-	-	-	
base number	LED	Color	Finishes	Diffuser	_
	Dimming	Temperature	(Diamond)	Ontions	

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

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

GENERAL

Series: Pi2	
Subseries: Pi2 Whiteline	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Ambient	

Division: Architectural Mounting Type: Recessed Mounting Location: Ceiling Subcategory: Ambient PHYSICAL Shape: Rectangle Length (mm): 1540 Length (in): 60 % Width (mm): 235 Width (in): 9 % Depth (in): 5 % Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 % Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG /	=: +:: +:: +:: +:: +:: +:: +:: +:: +:: +	
Mounting Location: Ceiling Subcategory: Ambient PHYSICAL Shape: Rectangle Length (mm): 1540 Length (in): 60 \(^{5}\)_{6} Width (mm): 235 Width (in): 9 \(^{1}\)_{4} Depth (mm): 150 Depth (in): 5 \(^{7}\)_{8} Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 \(^{5}\)_{16} Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Division: Architectural	
Subcategory: Ambient PHYSICAL Shape: Rectangle Length (mm): 1540 Length (in): 60 \(^{5}\)_{6} Width (mm): 235 Width (in): 9 \(^{1}\)_{4} Depth (mm): 150 Depth (in): 5 \(^{7}\)_{8} Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 \(^{5}\)_{16} Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Mounting Type: Recessed	
PHYSICAL Shape: Rectangle Length (mm): 1540 Length (in): 60 \(\frac{5}{6} \) Width (mm): 235 Width (in): 9 \(\frac{1}{4} \) Depth (in): 5 \(\frac{7}{6} \) Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 \(\frac{5}{16} \) Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Mounting Location: Ceiling	
Shape: Rectangle Length (mm): 1540 Length (in): 60 $\frac{5}{6}$ Width (mm): 235 Width (in): 9 $\frac{1}{4}$ Depth (mm): 150 Depth (in): 5 $\frac{7}{6}$ Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 $\frac{5}{16}$ Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Subcategory: Ambient	
Length (mm): 1540 Length (in): 60 \(^5/_6\) Width (mm): 235 Width (in): 9 \(^1/_4\) Depth (mm): 150 Depth (in): 5 \(^7/_6\) Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 \(^5/_{16}\) Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	PHYSICAL	
Length (in): $60 \frac{5}{8}$ Width (mm): 235 Width (in): $9 \frac{1}{4}$ Depth (mm): 150 Depth (in): $5 \frac{7}{8}$ Ceiling Thickness (mm): $10 / 12.5 / 15 / 25$ Ceiling Thickness (in): $3 / 8$ or $1 / 2$ or $9 / 16$ or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): $6 \frac{5}{16}$ Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Shape: Rectangle	
Width (mm): 235 Width (in): $9\frac{1}{4}$ Depth (mm): 150 Depth (in): $5\frac{7}{8}$ Ceiling Thickness (mm): $10 / 12.5 / 15 / 25$ Ceiling Thickness (in): $3/8$ or $1/2$ or $9/16$ or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): $6\frac{5}{16}$ Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Length (mm): 1540	
Width (in): $9\frac{1}{4}$ Depth (mm): 150 Depth (in): $5\frac{7}{8}$ Ceiling Thickness (mm): $10 / 12.5 / 15 / 25$ Ceiling Thickness (in): $3/8$ or $1/2$ or $9/16$ or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): $6\frac{5}{16}$ Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Length (in): 60 ½	
Depth (mm): 150 Depth (in): $5\frac{7}{8}$ Ceiling Thickness (mm): $10 / 12.5 / 15 / 25$ Ceiling Thickness (in): $3/8$ or $1/2$ or $9/16$ or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): $6\frac{5}{16}$ Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Width (mm): 235	
Depth (in): 5 $\frac{7}{6}$ Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 $\frac{5}{16}$ Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Width (in): 9 ½	
Ceiling Thickness (mm): 10 / 12.5 / 15 / 25 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 1/16 Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Depth (mm): 150	
Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1 Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 5/16 Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Depth (in): 5 1/8	
Min. Recessing Depth (mm): 160 Min. Recessing Depth (in): 6 $\frac{5}{16}$ Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Ceiling Thickness (mm): 10 / 12.5 / 15 / 25	
Min. Recessing Depth (in): 6 $\frac{5}{16}$ Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Ceiling Thickness (in): 3/8 or 1/2 or 9/16 or 1	
Light Distribution: Direct Weight (kg): 9.919 Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Min. Recessing Depth (mm): 160	
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Weight (lbs): 21.82 Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Light Distribution: Direct	
Diffuser: PMMA - Opal or Micro-Prism Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Weight (kg): 9.919	
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR /	Weight (lbs): 21.82	
	Diffuser: PMMA - Opal or Micro-Prism	

Fixture Material: Aluminum

Cut-out Measurements: 1525mm / 60 1/16" x 220mm / 8 11/16"

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

Lamp Type: LED (Zhaga Standard) Total Output Wattage (W): 48 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) Driver Included: Yes Driver Location: Integrated

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

Input Voltage (V): 120 - 277 Constant Current (MA): 500

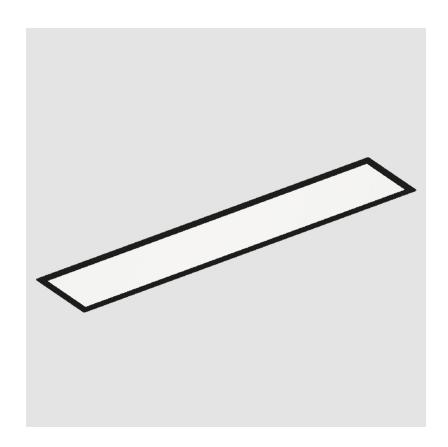
Color Temperature (°K): 3000 / 3500 / 4000 Max. Delivered Lumen (lm): 3570 / 3842 / 3920 CRI: >80 CRI Efficiency (%): 0.549 Lamp Life (hrs): 50000

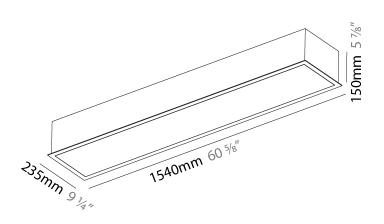
OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT	
TYPE	
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DATE	



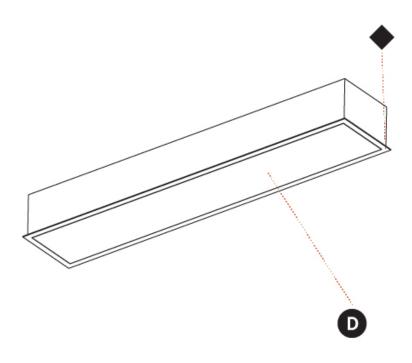






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PROJECT	
TYPE	-
SPECIFIER	_
QUANTITY	-
DATE	-







PI₂

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

Fixture Finish



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



and between product families.



PI2

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TYPE
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LEGEND

Т		_			special LED (upon request) RGR_RGRW_tunable
	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	Œ	illuminate tilted	0	rechargeable battery powered
\rightarrow	wall-mounted	I	color of suspension cable	THESE	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	↓	length of suspension cable	CRI	color rendering index
	direct light distribution		reflector degree selection	(K)	color temperature
	direct/indirect light distribution	s s	super spot	(LM)	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩ <u></u>	efficacy (lumens per watt)
	asymmetric light distribution	\otimes	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		free individual colors 01-29	②	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
□+, +	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)
$\hat{\pm}$	recessed depth	lack	luminaire part to be colored (F2)		lamp protected against explosion
	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
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
₹	included or excluded LED driver/transformer/ control gear	•	color of 3-circuit adaptor		protection class II, protection insulation
8	separately switchable	\odot	indirect diffuser	. (1)	ETL Certified to UL and CSA Standards
9	sensor	O	direct diffuser	։ (Մ) ու	UL Certified to UL and CSA Standards
	remote control	1	ball-proof (upon request)	(1)	CSA Certified to UL and CSA Standards
9	available upon request	0	accessory	(Z)	Certified for North American Standards

IP RATING

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

IK RATING

above the surface)

IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
ІКОЗ	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
1K06	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