

RECESSED

A35103		-	-	-
base number	Color	Finishes	Finishes	Finishes
	Temperature	(Diamond)	(Triangle)	(Circle)

- 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: Mechaniq Square Efficiency
Subseries: Mechaniq Square Efficiency Single
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Square
Diameter (mm): 99
Diameter (in): 3 $\frac{7}{8}$
Length (mm): 134
Length (in): 5 1/4
Height (mm): 133
Height (in): 5 ¹ / ₄
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 160
Min. Recessing Depth (in): $6\frac{1}{16}$
Light Distribution: Adjustable / Downlight
Weight (kg): .837
Weight (lbs): 1.85

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 Die Cast
Cut-out Measurements: 125mm / 4 15/16" x 125mm / 4 15/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Total Output Wattage (W): 12.1 / 14.7
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Recessed Housing
Driver Type: Constant Current - Universal
Input Voltage (V): 120 - 277
Constant Current (MA): 350

LED

Number of LEDs: 1

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

Max. Delivered Lumen (lm): 830 / 930 / 1010 / 1030

CRI: >90 CRI

Lamp Life (hrs): 50000

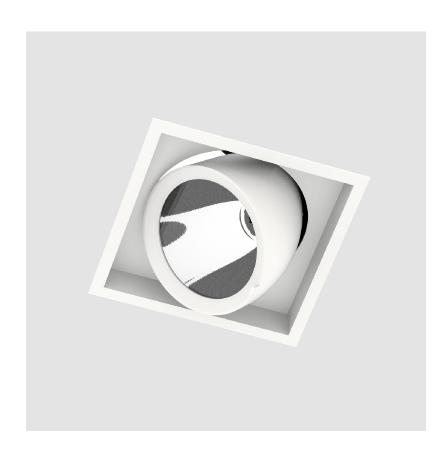
OPTICAL

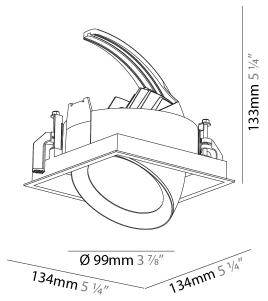
Reflector°: 8

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







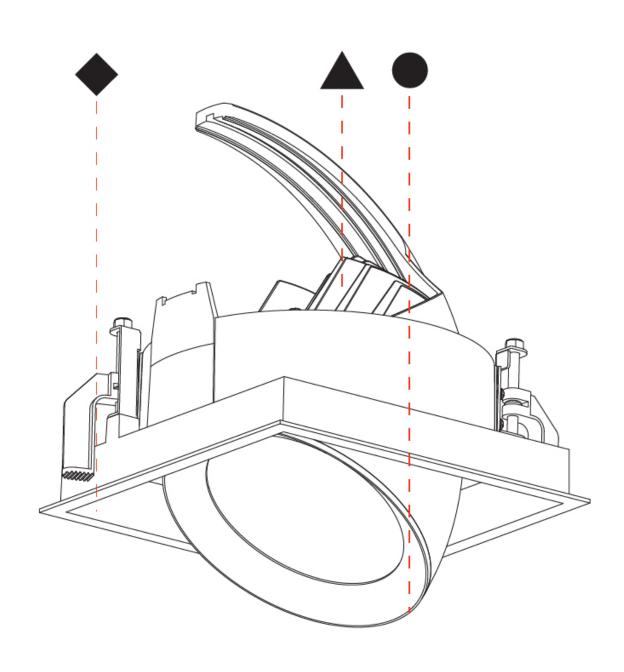




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A35103-

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RECESSED

A35106	•	-	-	-	-
base number	Color	Finishes	Finishes	Finishes	Reflector
	Temperature	(Diamond)	(Triangle)	(Circle)	Options

- 1.To build a product code in our configurator select the specify button on the base model # product page
- 2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Mechaniq Square Efficiency
Subseries: Mechaniq Square Efficiency Single
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Square
Diameter (mm): 99

Diameter (in): $3\frac{7}{8}$ Length (mm): 134Length (in): $5\frac{1}{4}$ Height (mm): 133Height (in): $5\frac{1}{4}$

Ceiling Thickness (mm): 10 / 12.5 / 15Ceiling Thickness (in): 3/8 or 1/2 or 9/16Min. Recessing Depth (mm): 160Min. Recessing Depth (in): $6\frac{5}{16}$

Light Distribution: Adjustable / Downlight Weight (kg): .836

Weight (lbs): 1.85

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 Die Cast

Cut-out Measurements: 125mm / 4 15/16" x 125mm / 4 15/16"

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: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 500

LED

Number of LEDs: 1

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

Max. Delivered Lumen (lm): 2180 / 2230 / 2352 / 2400

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Reflector°: 18 / 26 / 40

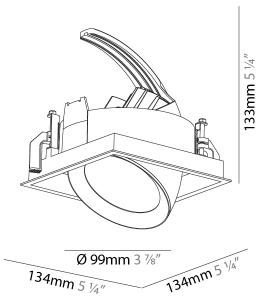
Adjustability: Rotational 355°; Tilt 45°

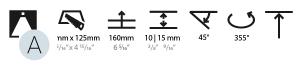
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







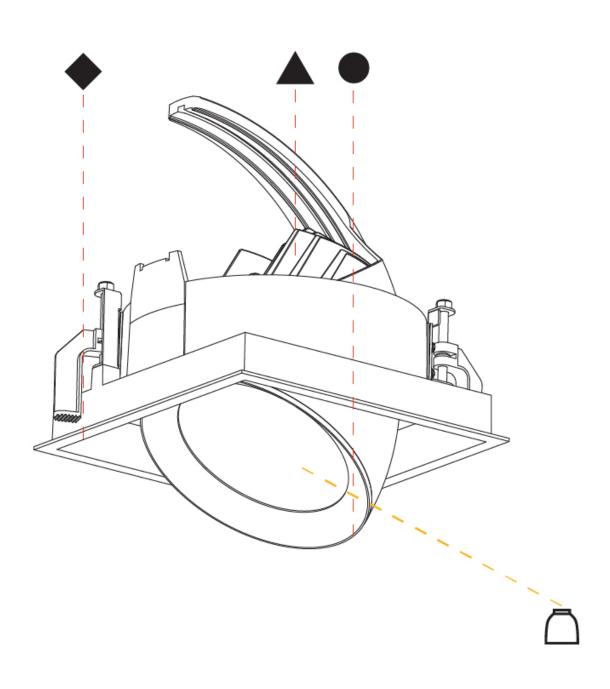




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RECESSED

A35109		-	-	-
base number	Color	Finishes	Finishes	Finishes
	Temperature	(Diamond)	(Triangle)	(Circle)

- 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

Weight (lbs): 2.97

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 Die Cast

Cut-out Measurements: 175mm / 6 7/8" x 175mm / 6 7/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Total Output Wattage (W): 21.2

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

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 700

LED

Number of LEDs: 1

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

Max. Delivered Lumen (lm): 1440 / 1490 / 1568 / 1600

CRI: >90 CRI

Lamp Life (hrs): 50000

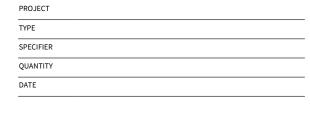
OPTICAL

Reflector°: 8

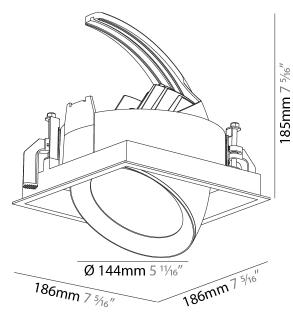
Adjustability: Rotational 355°; Tilt 45°

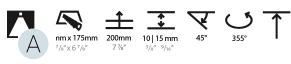
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards







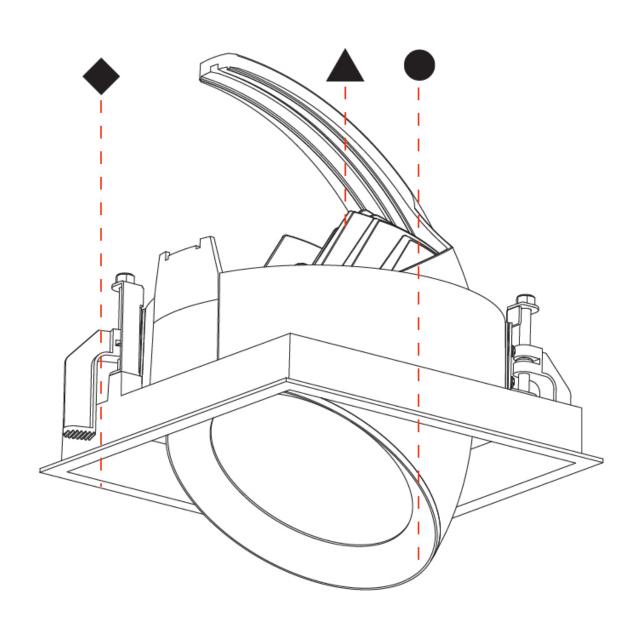




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A35112	• .	-	-	-	-
base number	Color	Finishes	Finishes	Finishes	Reflector
	Temperature	(Diamond)	(Triangle)	(Circle)	Options

- 1.To build a product code in our configurator select the specify button on the base model # product page
- 2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Mechaniq Square Efficiency
Subseries: Mechaniq Square Efficiency Single
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Square
Diameter (mm): 144
Diameter (in): 5 11/16
Length (mm): 186
Length (in): 7 ⁵ / ₁₆

Height (mm): 185 Height (in): 7 1/16 Ceiling Thickness (mm): 10 / 12.5 / 15

Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 260 Min. Recessing Depth (in): 10 1/4 Light Distribution: Adjustable / Downlight

Weight (kg): 1.348 Weight (lbs): 2.97

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 Die Cast

Cut-out Measurements: 175mm / 67/8" x 175mm / 67/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Total Output Wattage (W): 26.4

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

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 700

LED

Number of LEDs: 1

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

Max. Delivered Lumen (lm): 2800 / 2870 / 3010 / 3070

CRI: >90 CRI

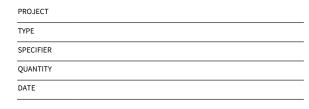
Lamp Life (hrs): 50000

OPTICAL

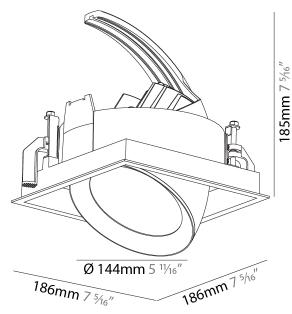
Reflector°: 12 / 24 / 40

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards















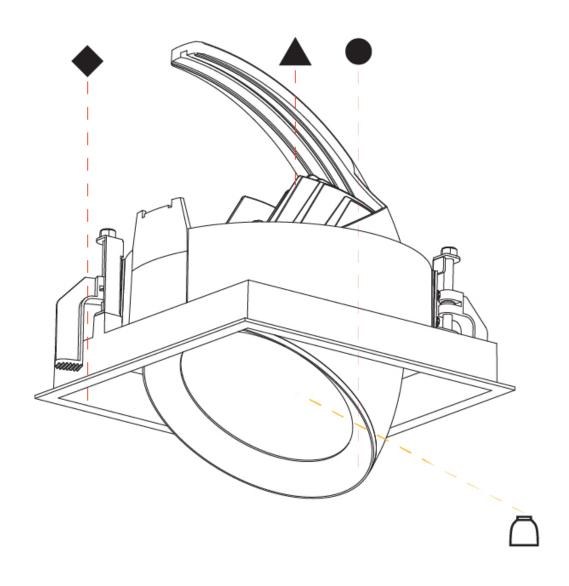




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RECESSED

A35115						
base number	Color	Finishes	Finishes	Finishes		
	Temperature	(Diamond)	(Triangle)	(Circle)		

- 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

CENTEROL
Series: Mechaniq Square Efficiency
Subseries: Mechaniq Square Efficiency Double
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Diameter (mm): 99
Diameter (in): 3 1/8
Length (mm): 253
Length (in): 9 15/16
Width (mm): 134
Width (in): 5 ½

Width (in): 5 7/4 Height (mm): 132 Height (in): 5 1/16 Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16

Min. Recessing Depth (mm): 200 Min. Recessing Depth (in): $7\frac{7}{8}$ Light Distribution: Adjustable / Downlight

Weight (kg): 1.697 Weight (lbs): 3.74

Installation Requirement: Requires 2 Housings - See Components

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 Die Cast

Cut-out Measurements: 242mm / 9 1/2" x 125mm / 4 15/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 26.4 / 33

Total Output Wattage (W): 24.2 / 29.5

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

Driver Included: Yes

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 350

LED

Number of LEDs: 2

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

Max. Delivered Lumen (lm): 1670 / 1860 / 2010 / 2050

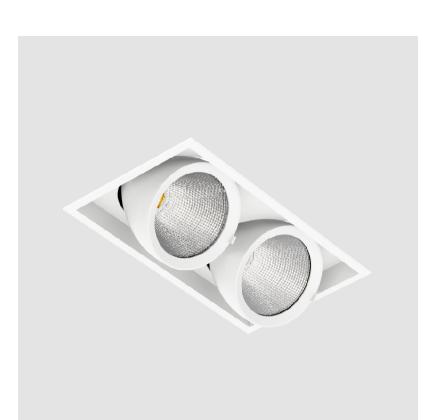
CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

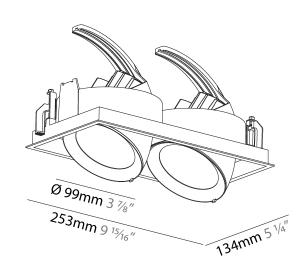
Reflector°: 8

Adjustability: Rotational 355°; Tilt 45°



PROJECT TYPE SPECIFIER

QUANTITY DATE





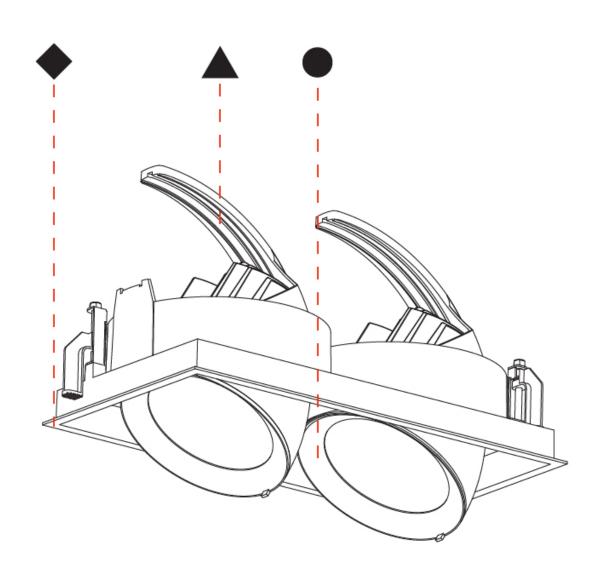
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RECESSED

A35118		-	-	-	-
base number	Color	Finishes	Finishes	Finishes	Reflector
	Temperature	(Diamond)	(Triangle)	(Circle)	Options

- 1.To build a product code in our configurator select the specify button on the base model # product page
- 2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Mechaniq Square Efficiency
Subseries: Mechaniq Square Efficiency Double
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL

Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Diameter (mm): 99
Diameter (in): 3 $\frac{7}{8}$
Length (mm): 253
Length (in): 9 15/16
Width (mm): 134
Width (in): 5 1/4
Height (mm): 132
Height (in): 5 ³ / ₁₆
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 160
Min. Recessing Depth (in): $6\frac{5}{16}$
Light Distribution: Adjustable / Downlight
Weight (kg): 1.607
Weight (lbs): 3.54

Installation Requirement: Requires 2 Housings - See Components

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 Die Cast

Cut-out Measurements: 242mm / 9 1/2" x 125mm / 4 15/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard) Input Wattage (W): 37.4

Total Output Wattage (W): 33

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

Driver Included: No

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 500

LED

Number of LEDs: 2

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

Max. Delivered Lumen (lm): 3260 / 3340 / 3518 / 3590

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

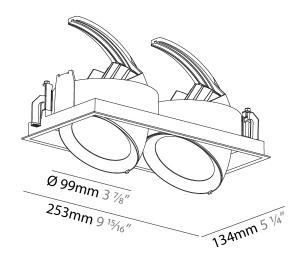
Reflector°: 18 / 26 / 40

Adjustability: Rotational 355°; Tilt 45°



PROJECT TYPE SPECIFIER

QUANTITY DATE















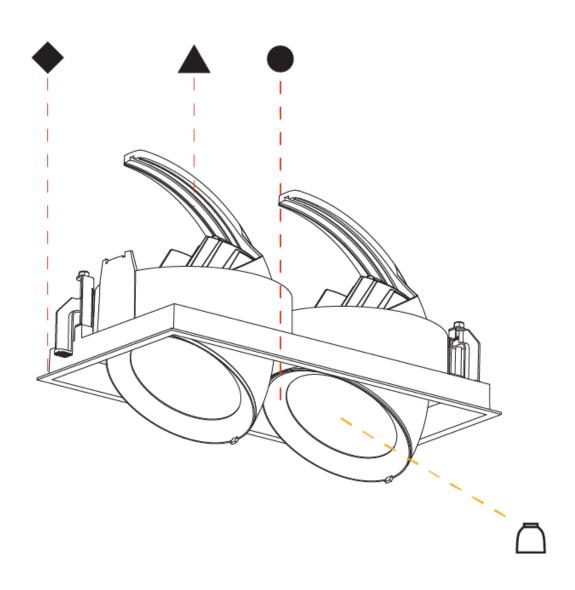
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A35118-

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RECESSED

A35121						
base number	Color	Finishes	Finishes	Finishes		
	Temperature	(Diamond)	(Triangle)	(Circle)		

- 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: Mechaniq Square Efficiency
Subseries: Mechaniq Square Efficiency Double
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle

Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Diameter (mm): 144
Diameter (in): 5 11/16
Length (mm): 353
Length (in): 13 $\frac{7}{8}$
Width (mm): 186
Width (in): 7 ⁵ / ₁₆
Height (mm): 185
Height (in): 7 ⁵ / ₁₆
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 260
Min. Recessing Depth (in): 10 1/4
Light Distribution: Adjustable / Downlight
Weight (kg): 2.609
Weight (lbs): 5.75
Installation Requirement: Pequires 2 Housings - See Components

Installation Requirement: Requires 2 Housings - See Components

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 Die Cast

Cut-out Measurements: 342mm / 13 7/16" x 175mm / 6 7/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Total Output Wattage (W): 42

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

Driver Included: Yes

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 700

LED

Number of LEDs: 2

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

Max. Delivered Lumen (lm): 2870 / 2980 / 3136 / 3200

CRI: >90 CRI

Lamp Life (hrs): 50000

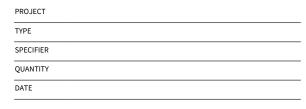
OPTICAL

Reflector°: 8

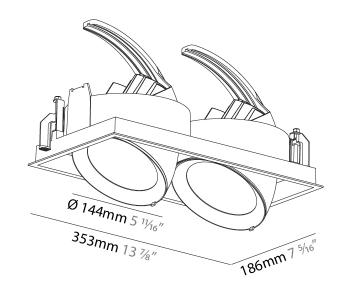
Adjustability: Rotational 355°; Tilt 45°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com
TP rating: P 20
Available for International specifications by adding "INT" at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.









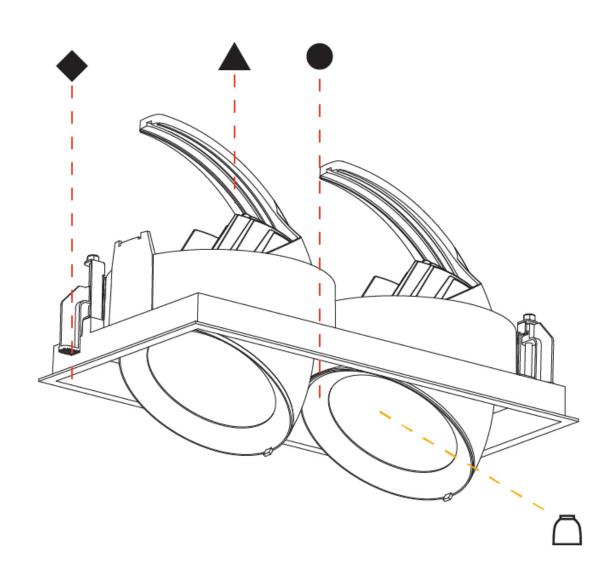
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RECESSED

A35121-

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A35124	•	-	-	-	-
base number	Color	Finishes	Finishes	Finishes	Reflector
	Temperature	(Diamond)	(Triangle)	(Circle)	Options

- 1.To build a product code in our configurator select the specify button on the base model # product page
- 2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Mechaniq Square Efficiency	
Subseries: Mechaniq Square Efficiency Double	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Diameter (mm): 144
Diameter (in): 5 11/16
Length (mm): 353
Length (in): 13 $\frac{7}{8}$
Width (mm): 186
Width (in): 7 ⁵ / ₁₆
Height (mm): 185
Height (in): $7\frac{5}{16}$
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 260
Min. Recessing Depth (in): 10 1/4
Light Distribution: Adjustable / Downlight
Weight (kg): 2.626
Weight (lbs): 5.79
Installation Requirement: Requires 2 Housings - See Components

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 Die Cast

Cut-out Measurements: 342mm / 13 7/16" x 175mm / 6 7/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Total Output Wattage (W): 52

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

and 0-10V Dimming)

Driver Included: Yes

Driver Location: Recessed Housing

Driver Type: Constant Current - Universal

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 700

LED

Number of LEDs: 2

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

Max. Delivered Lumen (lm): 5590 / 5730 / 6027 / 6150

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Reflector°: 12 / 24 / 40

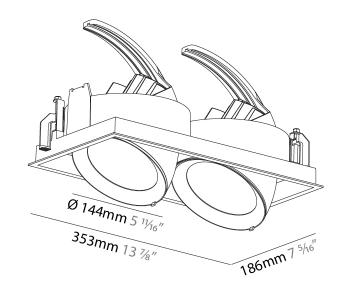
Adjustability: Rotational 355°; Tilt 45°

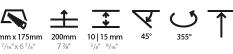
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com
TP rating: P 20
Available for International specifications by adding "INT" at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

PROJECT TYPE SPECIFIER QUANTITY DATE







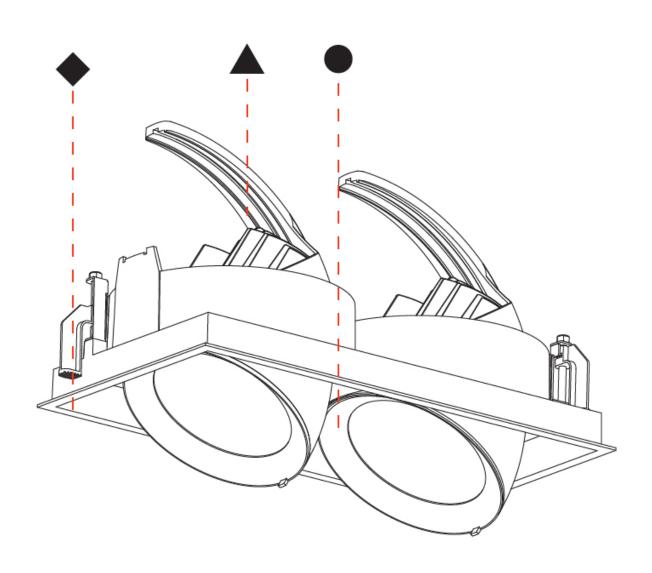
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MECHANIQ SQUARE EFFICIENCY

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.



MECHANIQ SQUARE EFFICIENCY

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	℃	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	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		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)	()	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
•	sensor	0	direct diffuser	շ (Մ) սո	UL Certified to UL and CSA Standards
	remote control	1	ball-proof (upon request)	(II)	CSA Certified to UL and CSA Standards
9	available upon request	O	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	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)
IKO6	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface) $$
IK08	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)

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