MECHANIQ SQUARE EFFICIENCY SINGLE

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 ⁷ / ₈
Length (mm): 134
Length (in): 5 $\frac{1}{4}$
Height (mm): 133
Height (in): $5\frac{1}{4}$
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 ⁵ / ₁₆
Light Distribution: Adjustable / Downlight

Light Distribution: Adjustable / Downlig

Weight (kg): .837 Weight (lbs): 1.85

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 Die Cast

Tixture Material. Aluminani 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
IED

LED

Number of LEDs: 1

Color	Tempe	erature (°K): 2	2700	/ 3000	/ 3500 /	4000

Max. Delivered Lumen (lm): 830 / 930 / 1010 / 1030 CRI->90 CRI

			:1-	(hrs): 50000
Li	анно	L	ne	(nrs): 50000
_		_		(

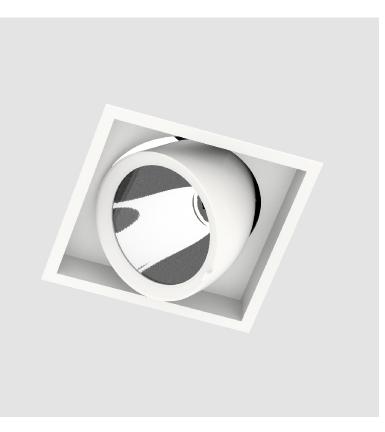
OPTICAL

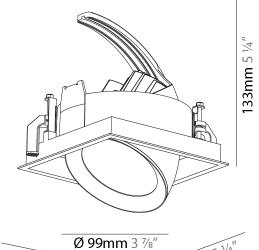
Reflector°: 8

RATINGS AND CERTIFICATIONS

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

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			









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Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

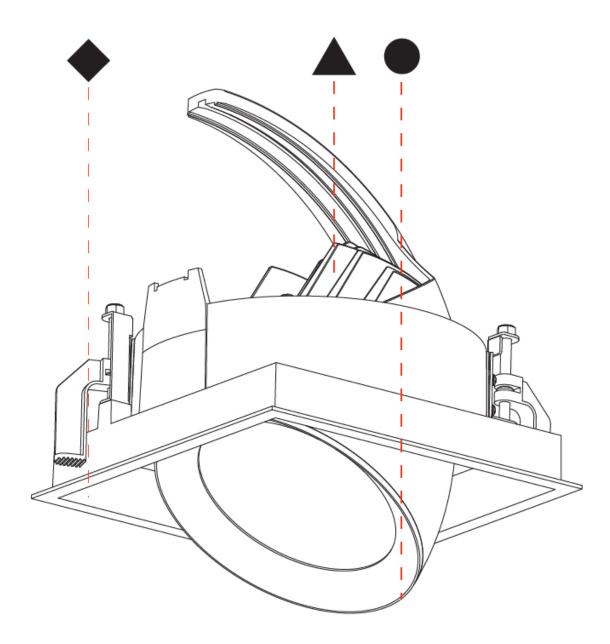
MECHANIQ SQUARE EFFICIENCY SINGLE

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MECHANIQ SQUARE EFFICIENCY SINGLE

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

5	Series: Mechaniq Square Efficiency
S	Subseries: Mechaniq Square Efficiency Single
E	Brand: Prolicht
[Division: Architectural
1	Nounting Type: Recessed
ļ	Nounting Location: Ceiling
5	Subcategory: Downlight
I	PHYSICAL
\$	Shape: Square
I	Diameter (mm): 99
[Diameter (in): 3 ⁷ / ₈
l	ength (mm): 134
l	_ength (in): 5 ¼
ł	Height (mm): 133
ł	Height (in): 5 1/4
(Ceiling Thickness (mm): 10 / 12.5 / 15
(Ceiling Thickness (in): 3/8 or 1/2 or 9/16
ļ	Min. Recessing Depth (mm): 160
1	Min. Recessing Depth (in): 6 ⁵ / ₁₆
l	ight Distribution: Adjustable / Downlight
I	Neight (kg): .836
Ī	Neight (lbs): 1.85
	Syture Finish, SSD / BK// / CM// CDV / HAD / HET / ITA / DHA / FTC / M/C /

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 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 mbor of I ED at 1

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°

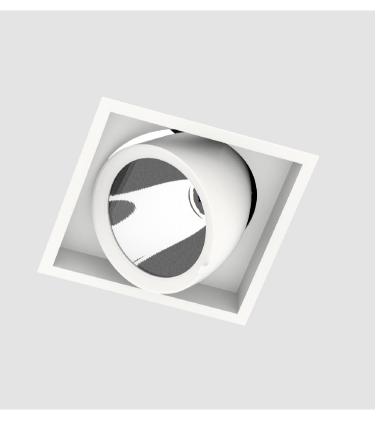
RATINGS AND CERTIFICATIONS

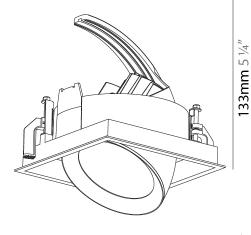
Certified By: Certified for North American Standards IP rating: IP20

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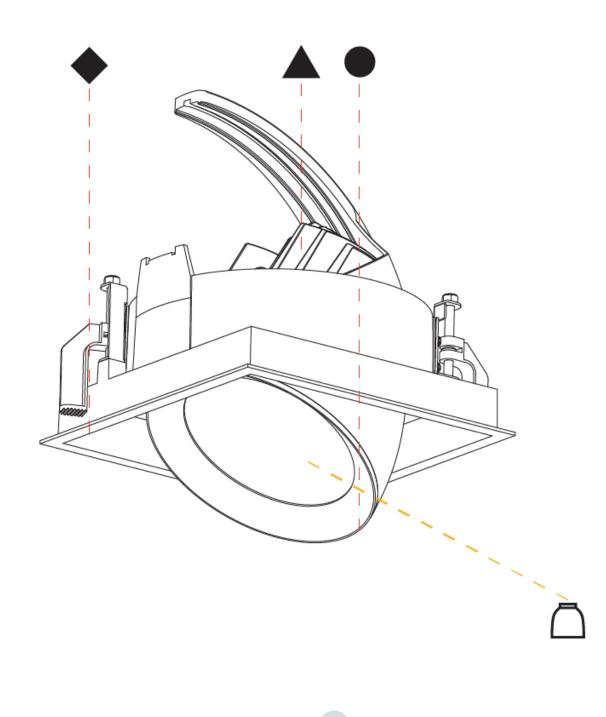
MECHANIQ SQUARE EFFICIENCY SINGLE

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MECHANIQ SQUARE EFFICIENCY

COLOR FINISH CHART

Fixture Finish

PROJECT

PROJECT		
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SPECIFIER		
QUANTITY		
DATE		

Sparkling Silver - 01 (SSR)	Black Velvet - 02 (BKV)	Crystal White - 03 (CWI)	Creamy - 04 (CRY)	Hampton Bay - 05 (HAB)	Urban Forest - 07 (UFT)
In the Army - 08 (ITA)	Rusty Angel - 09 (RUA)	Fade to Gray - 12 (FTG)	Mysterious Gray - 13 (MYG)	Lost Dream - 15 (LOD)	Purple Sky - 16 (PUS)
Fresh Oh - 17 (FRO)	Funky P 18 (FUP)	Kissing Aphrodite - 19 (KIA)	Poseidon's Paradise - 20 (POP)	Blue Sky - 21 (BLS)	Spring Green - 22 (SPG)
Mellow Yellow - 23 (MEY)	Golden Heart - 24 (GOH)	Gun Metal - 25 (GUM)	Champagne Cream - 26 (CHC)	Copper Mine - 27 (COM)	Ancient Bronze - 28 (ABZ)
Jazz Gold - 29 (JAG)	Olive Breeze - 30 (OBR)	Moonlight Silver - 31 (MOS)	Rosewood Red - 32 (ROR)		

Digital: Not all screens are calibrated the same, and therefore, colors will appear differently between screens.

Physical: When texture is involved, there will be variations in color, character and tone within a product series and between product families.

Gun Metal: No Gun Metal finish is alike. It combines a mixture of transparent and black color particles which ensures a highly individual effect and no luminaire being identical. Champagne Cream, Copper Mine, Ancient Bronze + Jazz Gold: These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.

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LEGEND

MECHANIQ SQUARE EFFICIENCY

PROJECT

TYPE SPECIFIER

QUANTITY

DATE

↓	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
Î	ceiling-mounted and wall-mounted	Æ	illuminate tilted	0	rechargeable battery powered
\rightarrow	wall-mounted	T	color of suspension cable		fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	+	length of suspension cable	CRI	color rendering index
	direct light distribution	Δ	reflector degree selection	°K	color temperature
	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	¥.	lens	(¥)	efficacy (lumens per watt)
	asymmetric light distribution	Ð	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
	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	٢	walk on
5	square wall or ceiling cut-out	Ū.	free individual colors 01-29		drive on
۲ ۲	the supplied jig specifies the cutout dimensions	ů).	individual colors: 00 (free of charge), 01-25 (extra charge)	D SC	Dark Sky Compliance
(] * →	minimum distance (meters) lamp - object	۲	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
£	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
1	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
	ceiling thickness selection		luminaire part to be colored (F4)	(ه)	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)		luminaire part to be colored (F5)		protection class I, protection insulation
<u>لي</u>	included or excluded LED driver/transformer/ control gear		color of 3-circuit adaptor		protection class II, protection insulation
প	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards
!	sensor	D	direct diffuser	c(H) us	UL Certified to UL and CSA Standards
	remote control	\odot	ball-proof (upon request)	(CSA Certified to UL and CSA Standards
2	available upon request	U	accessory	2	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

КО1	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
КОЗ	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)
КО5	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
КОб	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)
КОВ	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
1609	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
К10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

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