### **MECHANIQ SQUARE COMFORT DOUBLE**

RECESSED

#### A35091-

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 Comfort
Subseries: Mechaniq Square Comfort Double
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Length (mm): 253
Length (in): 9 <sup>15</sup> / <sub>16</sub>
Width (mm): 134
Width (in): 5 ¼
Height (mm): 127
Height (in): 5
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 <sup>5</sup> ∕ <sub>16</sub>
Light Distribution: Adjustable / Downlight
Weight (kg): 1.535
Weight (lbs): 3.38
Installation Requirement: Requires 2 Housings - See Components
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: 242mm / 9 1/2" x 125mm / 4 15/16"
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#### 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: No
Driver Location: Recessed Housing
Driver Type: Constant Current - Universal
Housing: See components
Input Voltage (V): 120
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 30°

#### RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

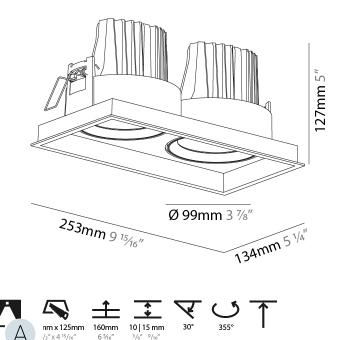
IP rating: IP30

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PROJECT			
ТҮРЕ			_
SPECIFIER			
QUANTITY			
DATE			



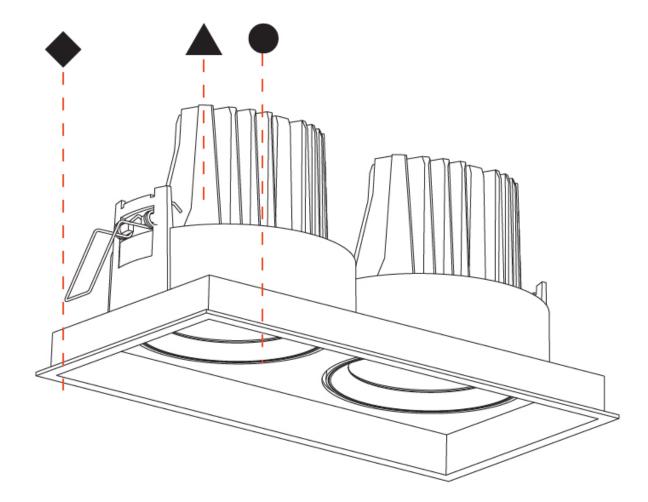


# MECHANIQ SQUARE COMFORT DOUBLE

RECESSED

A35091-

DATE	 		
QUANTITY			
SPECIFIER			
TYPE			
PROJECT			



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### **MECHANIQ SQUARE COMFORT DOUBLE**

RECESSED

#### A35094-

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 Comfort
Subseries: Mechaniq Square Comfort Double
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Rectangle
Length (mm): 253
Length (in): 9 <sup>15</sup> / <sub>16</sub>
Width (mm): 134
Width (in): 5 <sup>1</sup> / <sub>4</sub>
Height (mm): 127
Height (in): 5
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 <sup>5</sup> / <sub>16</sub>
Light Distribution: Adjustable / Downlight
Weight (kg): 1.535
Weight (lbs): 3.38
Installation Requirement: Requires 2 Housings - See Components
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: 242mm	/ 9 1/2" x 125mm / 4 15/16"

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Total Output Wattage (W): 52.8
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: 2
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 4071 / 4295 / 4670 / 4808
CRI: >90 CRI
Lamp Life (hrs): 50000
OPTICAL

### Reflector<sup>o</sup>: 18 / 26 / 40

Adjustability: Rotational 355°; Tilt 30°

#### RATINGS AND CERTIFICATIONS

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

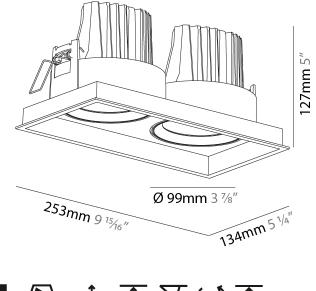
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PROJECT

ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	







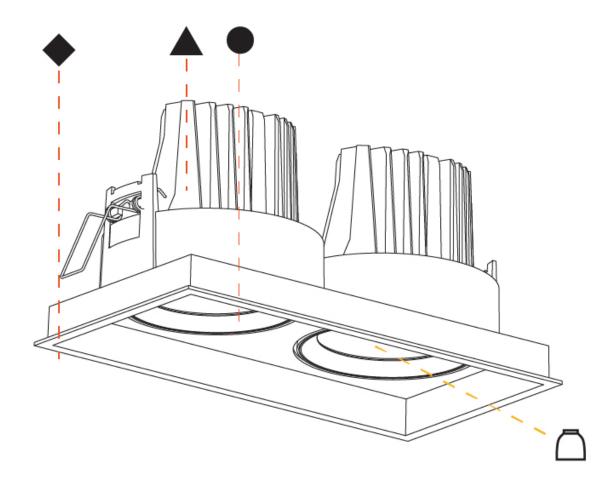
# MECHANIQ SQUARE COMFORT DOUBLE

RECESSED

A35094-

PROJECT

PROJECT			
TYPE			
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## **MECHANIQ SQUARE COMFORT**

**COLOR FINISH CHART** 

**Fixture Finish** 

PROJECT

PROJECT			
TYPE			
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 COMFORT**

PROJECT

TYPE

SPECIFIER QUANTITY

DATE

floor-mounted	¥	pivotable	*	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
wall and ceiling: recessed and surface mounted	C	rotating	0	warm dim / natural dimming LED
ceiling-mounted and wall-mounted	Æ	illuminate tilted	Ø	rechargeable battery powered
wall-mounted	T	color of suspension cable		fixture with natural vivid LED (upon request)
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)
indirect light distribution	Å	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	318	marine grade (AISI 316 stainless steel)
round wall or ceiling cut-out	$\odot$	integrated shine ring with diffuser	٢	walk on
square wall or ceiling cut-out	Ċ	free individual colors 01-29		drive on
the supplied jig specifies the cutout dimensions	Ċ	individual colors: 00 (free of charge), 01-25 (extra charge)	<b>O</b> 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
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)		acoustic material
(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
separately switchable	$\odot$	indirect diffuser		ETL Certified to UL and CSA Standards
sensor	D	direct diffuser	c (U) us	UL Certified to UL and CSA Standards
remote control	$\boldsymbol{\Theta}$	ball-proof (upon request)	<b>S</b> .	CSA Certified to UL and CSA Standards
available upon request	U	accessory	Z	Certified for North American Standards
	wall and ceiling: recessed and surface mounted ceiling-mounted and wall-mounted wall-mounted omni-directional light distribution direct light distribution direct light distribution indirect light distribution asymmetric light distribution aura light distribution round wall or ceiling cut-out square wall or ceiling cut-out the supplied jig specifies the cutout dimensions minimum distance (meters) lamp - object recessed depth ceiling thickness in mm ceiling thickness selection dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim) included or excluded LED driver/transformer/ control gear separately switchable sensor remote control	wall and ceiling: recessed and surface mounted   ceiling-mounted and wall-mounted   wall-mounted   omni-directional light distribution   direct light distribution   direct light distribution   indirect light distribution   asymmetric light distribution   aura light distribution   round wall or ceiling cut-out   square wall or ceiling cut-out   the supplied jig specifies the cutout dimensions   minimum distance (meters) lamp - object   recessed depth   ceiling thickness in mm   ceiling thickness selection   dimmable DP (phase), DV (0-10V), DD (dali), DS   included or excluded LED driver/transformer/ control gear   separately switchable   sensor	wall and ceiling: recessed and surface mounted rotating   reciling-mounted and wall-mounted illuminate tilted   wall-mounted illuminate tilted   omni-directional light distribution iength of suspension cable   indirect light distribution indirect light distribution   direct/indirect light distribution isuper spot   indirect light distribution indirect light distribution   asymmetric light distribution integrated shine ring   round wall or ceiling cut-out integrated shine ring with diffuser   square wall or ceiling cut-out integrated shine ring with diffuser   square wall or ceiling cut-out individual colors 01-29   the supplied jig specifies the cutout dimensions individual colors 01-29   minimum distance (meters) lamp - object luminaire part to be colored (F1)   recessed depth iuminaire part to be colored (F2)   ceiling thickness selection luminaire part to be colored (F3)   ceiling thickness selection iuminaire part to be colored (F5)   included or excluded LED driver/transformer/ control gear color of 3-circuit adaptor   separately switchable indirect diffuser   sensor iuminaire part (pupon request)	wall and ceiling: recessed and surface mounted Image: colored supersion cable Image: colored supersion cable   wall-mounted Image: colored supersion cable Image: colored supersion cable Image: colored supersion cable   omni-directional light distribution Image: colored supersion cable Image: colored supersion cable Image: colored supersion cable   direct light distribution Image: colored supersion cable Image: colored supersion cable Image: colored supersion cable   direct/indirect light distribution Image: colored supersion cable Image: colored supersion cable Image: colored supersion cable   asymmetric light distribution Image: colored supersion cable Image: colored supersion cable Image: colored supersion cable   aura light distribution Image: colored supersion cable Image: colored supersion cable Image: colored supersion cable Image: colored supersion cable   aura light distribution Image: colored supersion cable Image: c

### **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
1965	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 $80 \text{mm}$ 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)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

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