ZANEEN®

MECHANIQ SQUARE COMFORT SINGLE TRIMLESS

A35022-

base number	LED Dimming	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Finishes (Circle)	Ceiling Thickness	Reflector 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 Single

Brand: Prolicht

Division: Architectural

Mounting Type: Trimless

Mounting Location: Ceiling

Subcategory: Downlight

PHYSICAL

Shape: Square

Length (mm): 166

Length (in): 6 9/16

Width (mm): 166

Width (in): 6 9/16

Height (mm): 180

Height (in): 7 1/16

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): 200

Min. Recessing Depth (in): 7 7/8

Light Distribution: Adjustable / Downlight

Weight (kg): 2.117

Weight (lbs): 4.66

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: 185mm / 7 5/16" x 185mm / 7 5/16"

Upon Request: Unique Ceiling Thickness

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 46.2

Total Output Wattage (W): 41.9

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

Driver Class: Class 2

Housing: See components

Input Voltage (V): 120 - 277

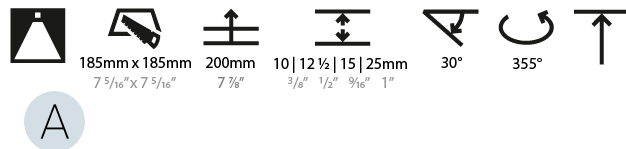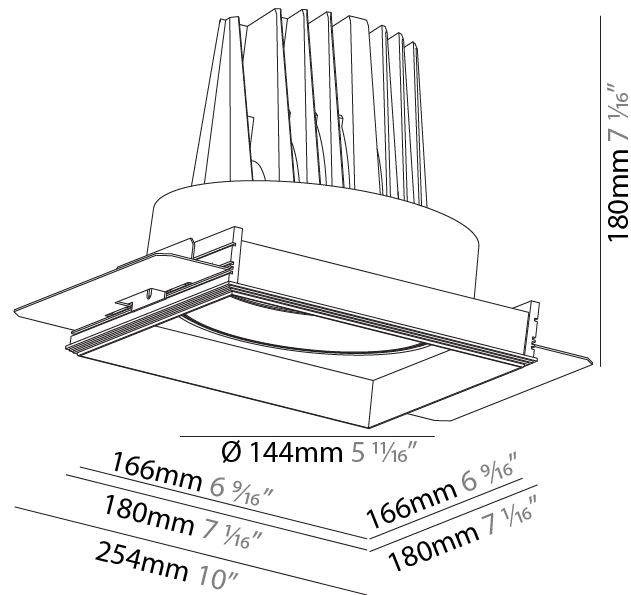Constant Current (MA): 1050

LED

Number of LEDs: 1

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

Max. Delivered Lumen (lm): 4030 / 4130 / 4332 / 4420

CRI: >90 CRI

Lamp Life (hrs): 50000

Upon Request: Special Color Temperature RGB-W Tunable White Special LED

OPTICAL

Reflector°: 12 / 24 / 40

Adjustability: Rotational 355°; Tilt 30°
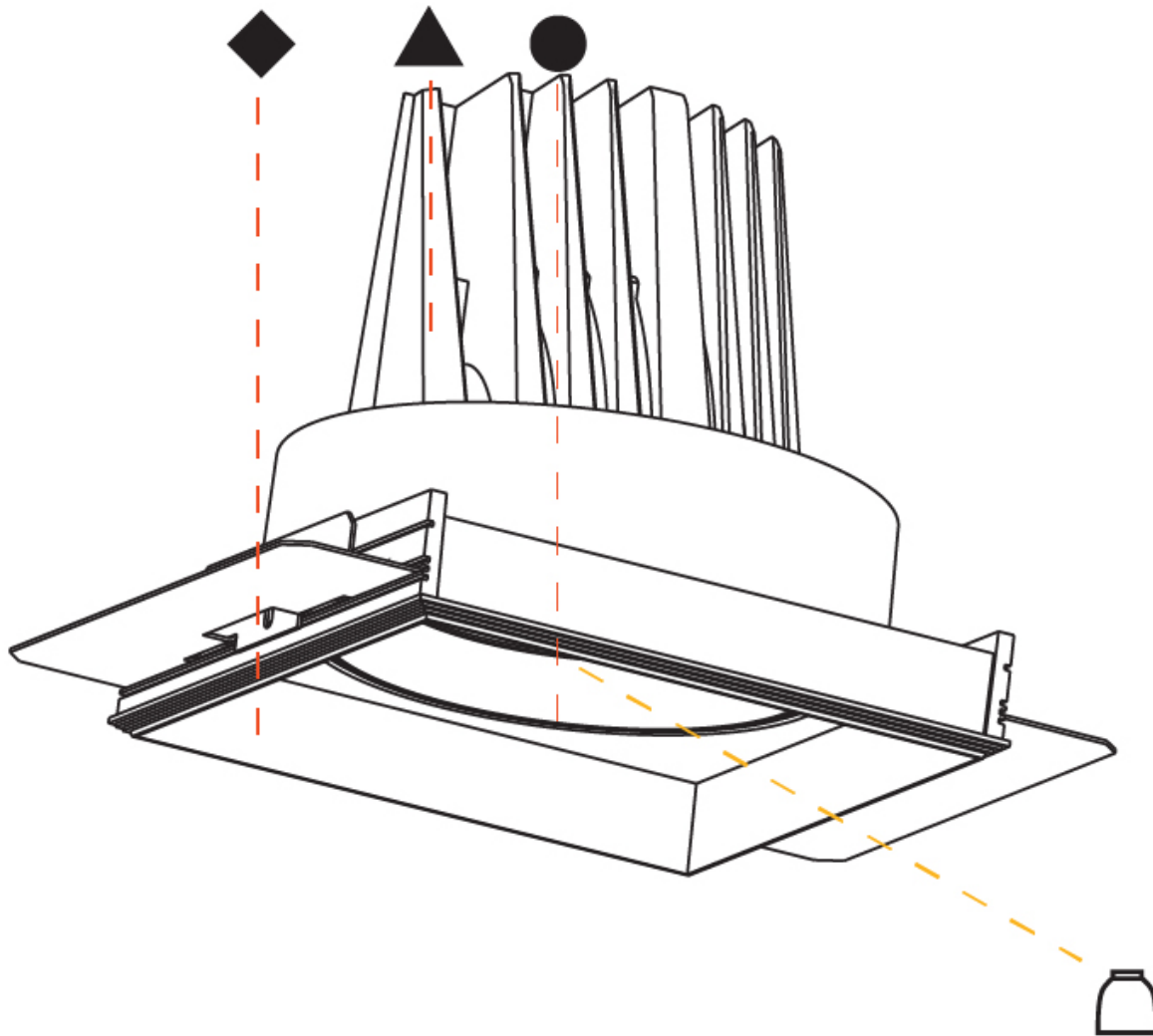
Upon Request: Special Beam Angles

180mm 7 1/16"

Ø 144mm 5 11/16"

166mm 6 9/16"

180mm 7 1/16"

254mm 10"

166mm 6 9/16"

180mm 7 1/16"

185mm x 185mm 7 5/16" x 7 5/16"   200mm 7 7/8"   10 | 12 ½ | 15 | 25mm 3/8" ½" 9/16" 1"   30°   355°

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RATINGS AND CERTIFICATIONS

IP rating: IP44

September 27, 2024, 5:56 pm

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MECHANIQ SQUARE COMFORT SINGLE TRIMLESS

A35022-

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MECHANIQ SQUARE COMFORT SINGLE RECESSED

A35088- - - - - -

base number | Color Temperature | Finishes (Diamond) | Finishes (Triangle) | Finishes (Circle) | Reflector 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 Single
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL

Shape: Square
Length (mm): 186
Length (in): 7 5/16
Width (mm): 186
Width (in): 7 5/16
Height (mm): 180
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): 200
Min. Recessing Depth (in): 7 7/8
Light Distribution: Adjustable / Downlight
Weight (kg): 1.88
Weight (lbs): 4.14
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: 175mm / 6 7/8" x 175mm / 6 7/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Total Output Wattage (W): 41.9
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
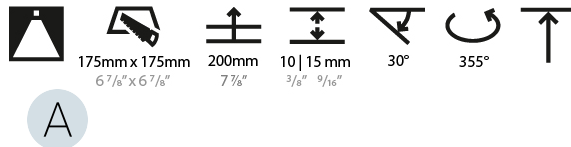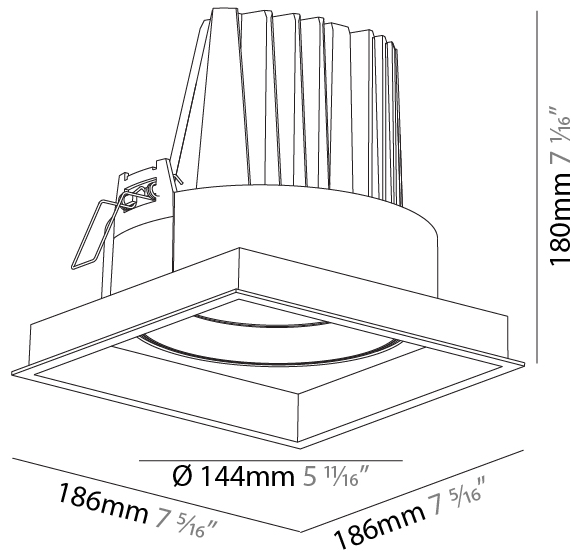Constant Current (MA): 1050

LED

Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 4030 / 4130 / 4342 / 4430
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

Reflector°: 12 / 24 / 40
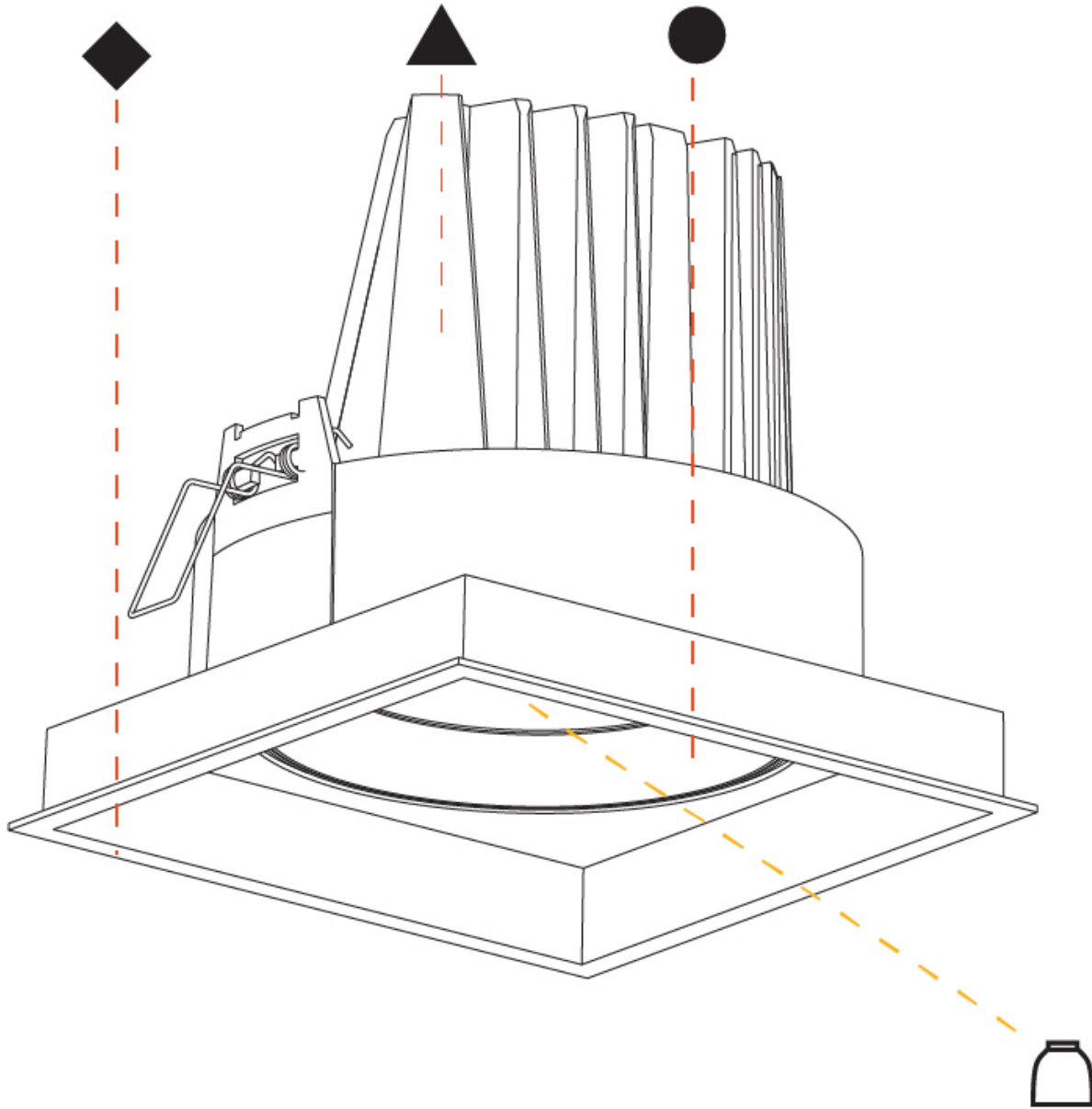Adjustability: Rotational 355°; Tilt 30°

RATINGS AND CERTIFICATIONS

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

180mm 7 1/16"

Ø 144mm 5 11/16"
186mm 7 5/16"
186mm 7 5/16"

175mm x 175mm 6 7/8" x 6 7/8" | 200mm 7 7/8" | 10 | 15 mm 3/8" 9/16" | 30° | 355°

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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

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MECHANIQ SQUARE COMFORT SINGLE RECESSED

A35088-

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MECHANIQ SQUARE COMFORT SINGLE RECESSED

A35088- ‐ ‐ ‐ ‐ ‐

| base number | LED Dimming | Color Temperature | Finishes (Diamond) | Finishes (Triangle) | Finishes (Circle) | Reflector 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 Single
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL

Diameter (mm): 144
Diameter (in): 5 $\frac{11}{16}$
Length (mm): 186
Length (in): 7 $\frac{5}{16}$
Height (mm): 180
Height (in): 7 $\frac{1}{16}$
Min. Recessing Depth (mm): 260
Min. Recessing Depth (in): 10 $\frac{1}{4}$
Light Distribution: Downlight
Weight (kg): 1.88
Weight (lbs): 4.14
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: 175.00mm / 175.00mm

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 46.2
Total Output Wattage (W): 42
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: External
Driver Type: Constant Current - Universal
Driver Class: Class 2
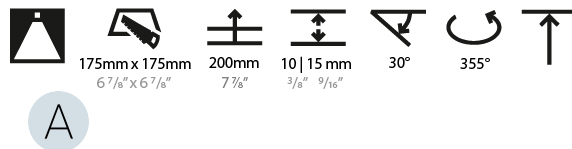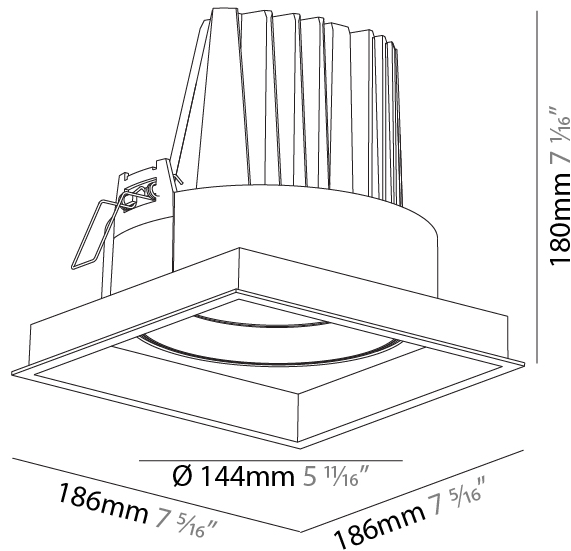Input Voltage (V): 120 - 277
Constant Current (MA): 1050

LED

Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 3694.3(12°)/3431.9(24°)/3401.6(40°)
Nominal Lumen (lm): 4240
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

Reflector°: 12 / 24 / 40 / 58
Adjustability: Rotational 355°; Tilt 30°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP44

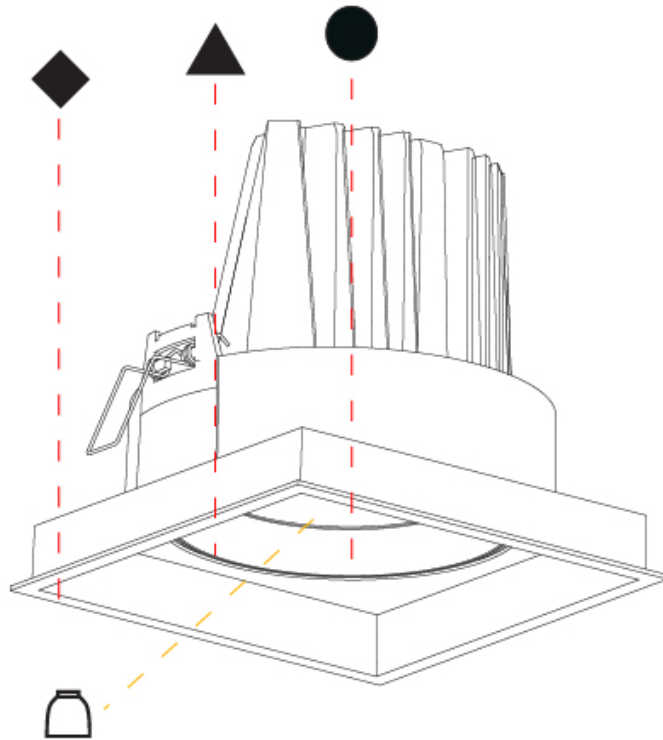180mm 7 $\frac{1}{16}$"

Ø 144mm 5 $\frac{11}{16}$"
186mm 7 $\frac{5}{16}$"
186mm 7 $\frac{5}{16}$"

175mm x 175mm
6 $\frac{7}{8}$" x 6 $\frac{7}{8}$"

200mm
7 $\frac{7}{8}$"

10 | 15 mm
$\frac{3}{8}$" | $\frac{9}{16}$"

30°

355°

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MECHANIQ SQUARE COMFORT SINGLE RECESSED

A35088-

For Color / Finish Chart & Symbology see Appendix or product page downloadable area.

Color Temperature	27K	30K	35K	40K	°K
	2700K	3000K	3500K	4000K	
Reflector	12	24	40		
	12°	24°	40°		

ORDER-EXAMPLE: °K ◆ ▲ ● ⌂
L3XXXX- 30K 02 02 02 12
3000K Black Black Black 12°

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MECHANIQ SQUARE COMFORT
COLOR FINISH CHART

Fixture Finish

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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MECHANIQ SQUARE COMFORT

LEGEND

Symbol	Description	Symbol	Description	Symbol	Description
↓	floor-mounted	◁	pivotable	✳	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
↗	wall and ceiling: recessed and surface mounted	↺	rotating		warm dim / natural dimming LED
↑	ceiling-mounted and wall-mounted		illuminate tilted		rechargeable battery powered
→	wall-mounted		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		reflector degree selection	°K	color temperature
	direct/indirect light distribution	S|S	super spot	LM	lumen (luminous flux)
	indirect light distribution		lens	LM/W	efficacy (lumens per watt)
	asymmetric light distribution		lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
	aura light distribution		shine ring		marine grade (AISI 316 stainless steel)
	round wall or ceiling cut-out	⊙	integrated shine ring with diffuser		walk on
	square wall or ceiling cut-out		free individual colors 01-29		drive on
	the supplied jig specifies the cutout dimensions		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)		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
	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
	separately switchable	⊙	indirect diffuser	ETL	ETL Certified to UL and CSA Standards
	sensor	D	direct diffuser	UL	UL Certified to UL and CSA Standards
	remote control		ball-proof (upon request)	CSA	CSA Certified to UL and CSA Standards
	available upon request	◊	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

IK01	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)
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)
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)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

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