Holon 80 – Surface Mounted Monopoint, 3" Aperture

kreon

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

Holon's timeless design enables this fitting to find application in a vast range of projects. The simple and yet strong geometrical form earns its place in residences, office lobbies, corridors, meeting rooms and other public areas.

Holon 80, the larger counterpart of Holon 40, is a product range of directional spotlights and downlights. Various options in LED colour temperature, beam angles, lenses and drivers are available to optimize the desired light effect for each project, either residential, commercial, or hospitality.

Holon 80 directional rotates 360° and tilts up to 90°. The hinge of Holon 80 directional is permanently tensioned, allowing the luminaire to remain at any angle, from 0° to 90°, while allowing effortless adjustment.

In addition to the directional spotlight, this product range comes with a second variety: Holon 80 fixed. This downlight is designed for rooms that embrace the language of form of this luminaire, but don't require an adjustable luminaire head.

Construction

Luminaire

Made from zamak die cast aluminum alloy.

Finishes

- White (RAL 9016)
- Black (RAL 9004)
- RAL color finish upon request

Mounting Options

Directional recessed mounted, directional surface mounted, or fixed. Suitable for installation on drywall, wood panel or grid ceilings with acoustic tiles.

Classifications

Dry locations only

Electrical Characteristics

LED Specification

Xicato Zhaga compliant LED module with Corrected Cold Phosphor Technology® (remote phosphor to limit color shift over time. Tight color consistency within 1x2 MacAdam Ellipses).

For Warm Dim, Tunable White and Full Color Tunable Options
Lumenetix Araya 5 LED module - 5 color chip array to stabilize coloring across full spectrum, with all 1640-8000K whites occurring fully on black body curve, maintaining 95CRI or better. Tight color consistency with Max 2 SSD.

LED Life

L80 greater than 50,000 hours.

Correlated Color Temperature (CCT)

- Available in 2700K, 3000K, 3500K and 4000K Warm Dim range 1800K-3000K, tunable white range 1650K-8000K, and fully saturated color with color tunable option.
- CRI 80+, 95+, 98+.

Gear

Standard 0-10V dimming, universal voltage (120-277V). For non-dimming applications, cap off dimming wires.

Holon 80_V1.02_1.2019

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Ordering Codes

HOL -	80 -	_____ -	____ -	___ -	___ -	___ -	___ -	___ -	___ -	___ -	___
KREON HOLON	APERTURE SIZE	MOUNTING TYPE	CEILING TYPE[2]	BEAM ANGLE	LIGHT SOURCE AND CCT	LUMEN PACKAGE[3]	CRI	COLOR[4]	DIMMING	DRIVER LOCATION	OPTIONAL ACCESSORIES[5] (BLANK FOR NONE)
HOL – Holon	**80** mm ~3" diameter	**DRR**[1] – Directional Recessed Mounted **DRS** – Directional Surface Mounted **FX** – Fixed **PESF** – Pendant Mounted Stem, Fixed **PESD** – Pendant Mounted Stem, Directional **PECF** – Pendant Mounted on cable, Fixed	**DWF** – Drywall/ Sheetrock Flush **DWSG** – Drywall/ Sheetrock w/Shadow Gap **WD** – Wood panel **GR** – Grid ceiling with acoustic tile	**SP** – Spot 15° **FL** – Flood 30 ° **WFL** – Wide Flood 40 °	**27** – 2700K **30** – 3000K **35** – 3500K **40** – 4000K **WD** – warm dim **TW** – Tunable white **CT** – full color tunable	**SO** – Standard Output **MO** – Medium Output **HO** – High Output (Not available with SP beam angle or 98 CRI option) (See below for source lumens.)	**80** – 80+ min CRI **95** – 95 CRI (For WD, TW, CT) **98** – 98+ min CRI	**WHT** – White **BLK** – Black	**D1** – TRIAC phase dim (120V only) **D2** – 0-10V dim (10%) **D3** – Lutron Hi-Lume dim to 1% (consult factory for 2-wire, 3-wire, or digital control) **D4** – EldoLED 0% dim to dark	**IN** – Driver Integral (Only available with D2 dim, DRS or FX Module type and SO Lumen Package with any beam angle or MO with NR or FL beam angle) **RM** – Remote (number of luminaires per driver depends on Dimming option)	**DL** – diffusing lens **SC** – sculpture lens **AG** – anti-glare louver Consult factory for IP44 rated option for wet locations

Ordering Example:	HOL-80-DRS-DWF-NR-35-SO-80-BLK-D3-RM-DL

[1] Not available with integral driver.

[2] Suitable for installation in ceiling thickness between 3/8" to 1"

[3] Lumen Package designates module lumens. CRI, Beam Angle, and Optional Accessories will all impact light output. Please see IES files for delivered lumens.

[4] Consult factory for custom RAL finish color options.

[5] Maximum one accessory per fixture.

Luminance Combinations — Source lumens; for delivered lumens, please reference IES files on www.kreon.com

| Lumen Package	Beam Angle	CRI	Source Lumens	Watts	Driver
SO	SP	80+	1300	16	Integral
SO	SP	98+	930	16	Integral
MO	SP	80+	2000	30	Remote
MO	SP	98+	1560	30	Remote
SO	NR, or FL	80+	1300	13	Integral
SO	NR, or FL	98+	1300	16	Integral
MO	NR, or FL	80+	2000	20	Integral
MO	NR, or FL	98+	2000	26	Remote
HO	NR, or FL	80+	3000	30	Remote

Holon luminaires are ETL listed for dry or damp locations.
Holon luminaires lend support for LEED credits and certification.

Photometry — For full photometry, please reference IES files on www.kreon.com
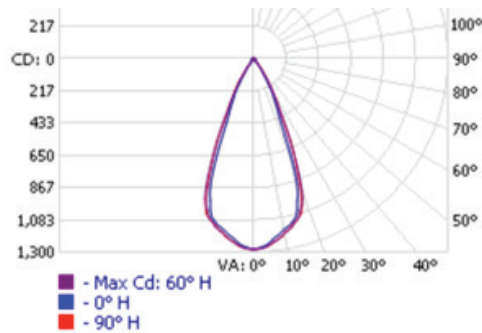
KUHOL-80-DRR-DW-SP-27-SO-80 (no accessories)

Light Engine: 1300 lumens

CCT: 2700K

CRI: 80+

Power: 16W

Luminaire Output: 780 lumens (49 lm/W)

■ - Max Cd: 60° H
■ - 0° H
■ - 90° H
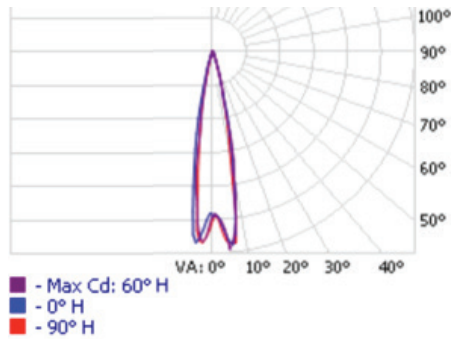
KUHOL-80-DRR-DW-FL-27-MO-80 (no accessories)

Light Engine: 2000 lumens

CCT: 2700K

CRI: 80+

Power: 20W

Luminaire Output: 1325 lumens (66 lm/W)

■ - Max Cd: 60° H
■ - 0° H
■ - 90° H

Color Rendering Index (3000K Typical), 80+ CRI

	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
Standard Series	83	82	89	95	84	82	87	86	65	16	64	79	58	81	93	75

Color Rendering Index (3000K Typical), 98+ CRI

	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
Artists Series	98	98	99	98	98	98	97	98	98	98	99	98	88	98	98	98

ETL Intertek · US GREEN BUILDING COUNCIL · RoHS COMPLIANT · 5 YEAR LED WARRANTY · NRTL DAMP · ADA COMPLIANT · **Tunable** White

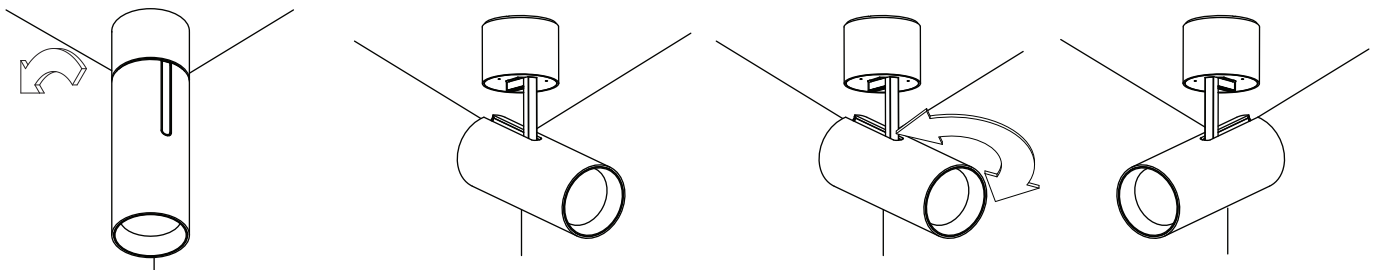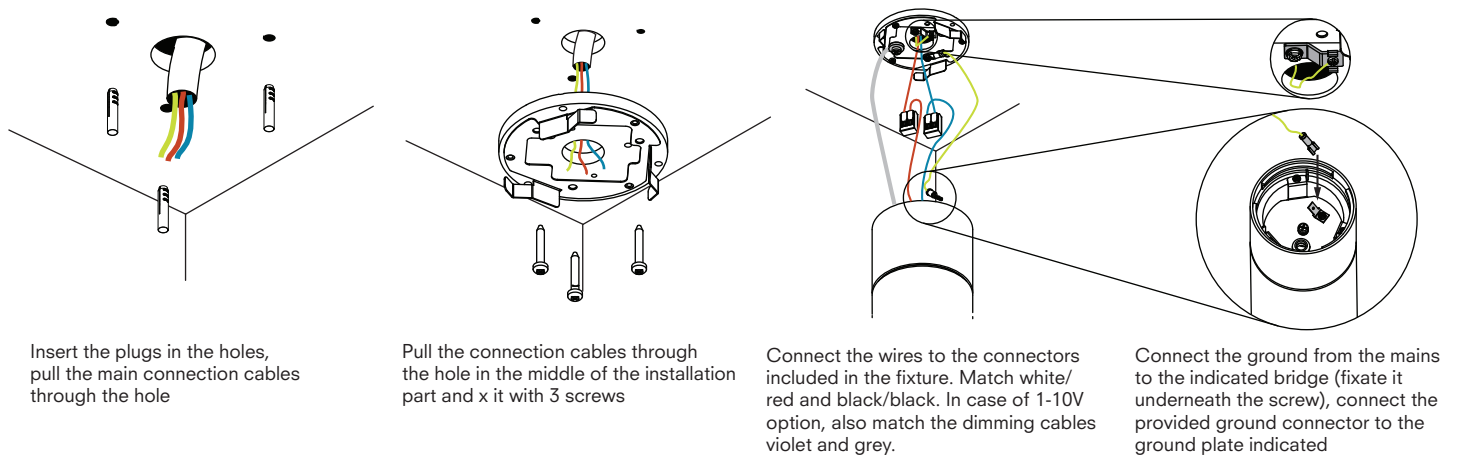Holon luminaires are ETL listed for dry or damp locations.
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Mounting Examples

### Fixed (driver inclusive, sheetrock ceiling)

Insert the plugs in the holes, pull the connection cables through

Fix the ceilingbox with three screws, connect the L & N to the 2P connector, connect the ground wire under the screw of the earthing bracket

In case of 1-10V: connect the violet and gray dimming wires directly to the gear. Mind the polarity

Match the springs with the cut-outs in the ceilingbox, fix the bottompart with a bayonet movement (clockwise)

Directional Surface Mounted (driver inclusive, sheetrock ceiling)

Insert the plugs in the holes, pull the main connection cables through the hole

Pull the connection cables through the hole in the middle of the installation part and x it with 3 screws

Connect the wires to the connectors included in the fixture. Match white/red and black/black. In case of 1-10V option, also match the dimming cables violet and grey.

Connect the ground from the mains to the indicated bridge (fixate it underneath the screw), connect the provided ground connector to the ground plate indicated

Once the Holon is completely installed it can be inclined in any angle up to 90° by pulling the tube

It can also be rotated up to 330°

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Mounting Examples

Directional Recessed Mounted (remote driver, sheetrock ceiling)
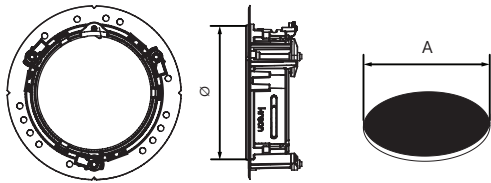
name	reference	visible Ø	cut out A	B*	C
Holon 80 plasterkit no shadow gap	KR717104	3.15"	Ø 4"	2.36"	**
Holon 80 plasterkit shadow gap	KR717108	3.4"	Ø 4"	2.36"	**

* installation depth B is in case the driver is placed at a distance, and accessable
from another location.
** installation depth C is in case the driver has to be pushed through the plasterkit in order
to be close to the fixture. The length of the driver determines C as it has to be pushed
perpendicular through the plasterkit.
Depth = length of the driver + 1.18"
If the length of the driver is e.g. 4" then C = 5.18"
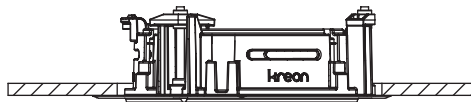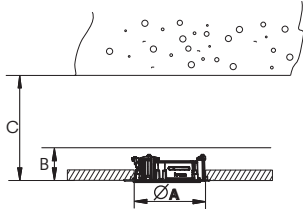
Put the plasterkit in the hole in the ceiling

Fix the plasterkit with screws
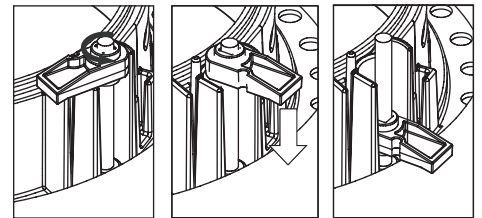
Fix the stoppers, until they are
blocked against the ceiling
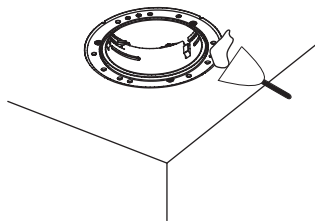
ll around perimeter of plasterkit using suitable filler
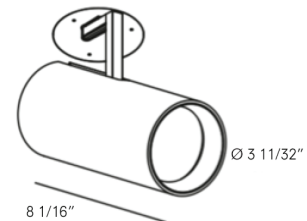and plaster to hide screws and plasterkit.
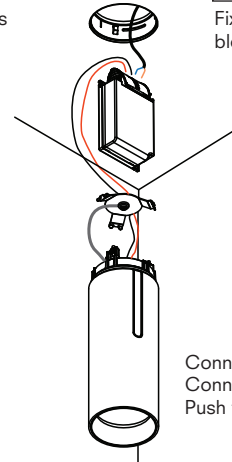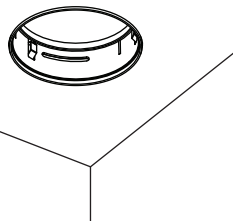
Connect the mains voltage to the gear.
Connect the cables coming from the fixture to the gear.
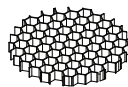Push the gear through the plasterkit onto the ceiling.

Ø 3 11/32"
8 1/16"
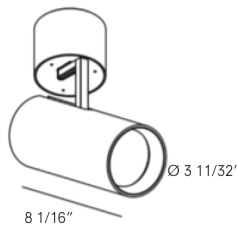
Holon 80 Directional Surface Mounted

8 1/16"
Ø 3 11/32"

Holon 80 Fixed

Ø 3 11/32"
8 1/16"
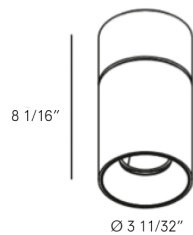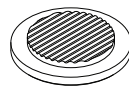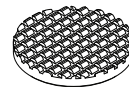
Holon 80 Directional Recessed Mounted

AG: Anti-Glare louver   SL: Sculpture Lens   DL: Diffusing Lens

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