

OIKO PRO SQUARE FIXED RECESSED

A350102-

|             |                      |                       |                 |
|-------------|----------------------|-----------------------|-----------------|
| base number | Color<br>Temperature | Finishes<br>(Diamond) | Lens<br>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: Oiko Pro Square          |
| Subseries: Oiko Pro Square Fixed |
| Partner: Prolicht                |
| Division: Architectural          |
| Installation: Recessed           |
| Product Type: Downlight          |
| Mounting Location: Ceiling       |
| Light Distribution: Downlight    |

PHYSICAL

|                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aperture Sizes - Downlights: 1"                                                                                                                                                       |
| Shape: Square                                                                                                                                                                         |
| Length (mm): 75                                                                                                                                                                       |
| Length (in): 2 15/16                                                                                                                                                                  |
| Width (mm): 75                                                                                                                                                                        |
| Width (in): 2 15/16                                                                                                                                                                   |
| Height (mm): 69                                                                                                                                                                       |
| Height (in): 2 3/4                                                                                                                                                                    |
| Ceiling Thickness (mm): 1 - 25                                                                                                                                                        |
| Ceiling Thickness (in): 1/16 - 1 3/16                                                                                                                                                 |
| Min. Recessing Depth (mm): 70                                                                                                                                                         |
| Min. Recessing Depth (in): 2 3/4                                                                                                                                                      |
| Weight (kg): 0.209                                                                                                                                                                    |
| Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens                                                                                                   |
| Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS |
| Fixture Material: Aluminum Die Cast                                                                                                                                                   |
| Cut-out Measurements: D. 68mm / 2 11/16"                                                                                                                                              |

ELECTRICAL

|                                                                                   |
|-----------------------------------------------------------------------------------|
| Lamp Type: LED (Zhaga Standard)                                                   |
| Input Wattage (W): 15                                                             |
| Total Output Wattage (W): 14.6                                                    |
| Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) |
| Driver Included: Yes                                                              |
| Driver Location: Remote                                                           |
| Driver Type: Constant Current - Universal                                         |
| Driver Class: Class 2                                                             |
| 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): 1326 / 1332 / 1395 / 1408 |
| CRI: >90 CRI                                         |
| Lamp Life (hrs): 50000                               |

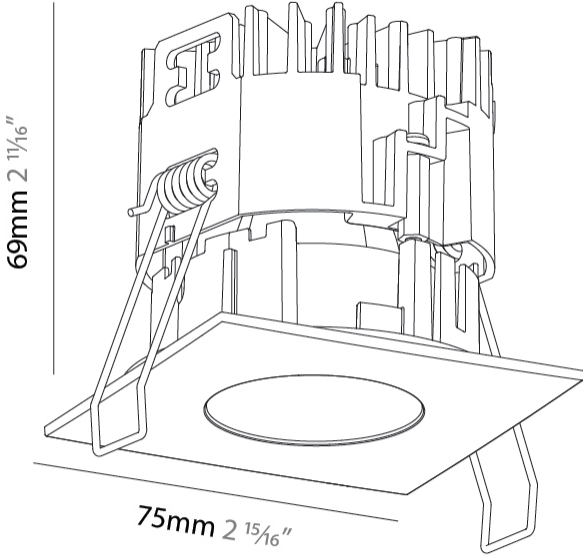
OPTICAL

|                |
|----------------|
| Reflector°: 36 |
|----------------|

RATINGS AND CERTIFICATIONS

|                                                      |
|------------------------------------------------------|
| Certified By: Certified for North American Standards |
| IP rating: IP54                                      |

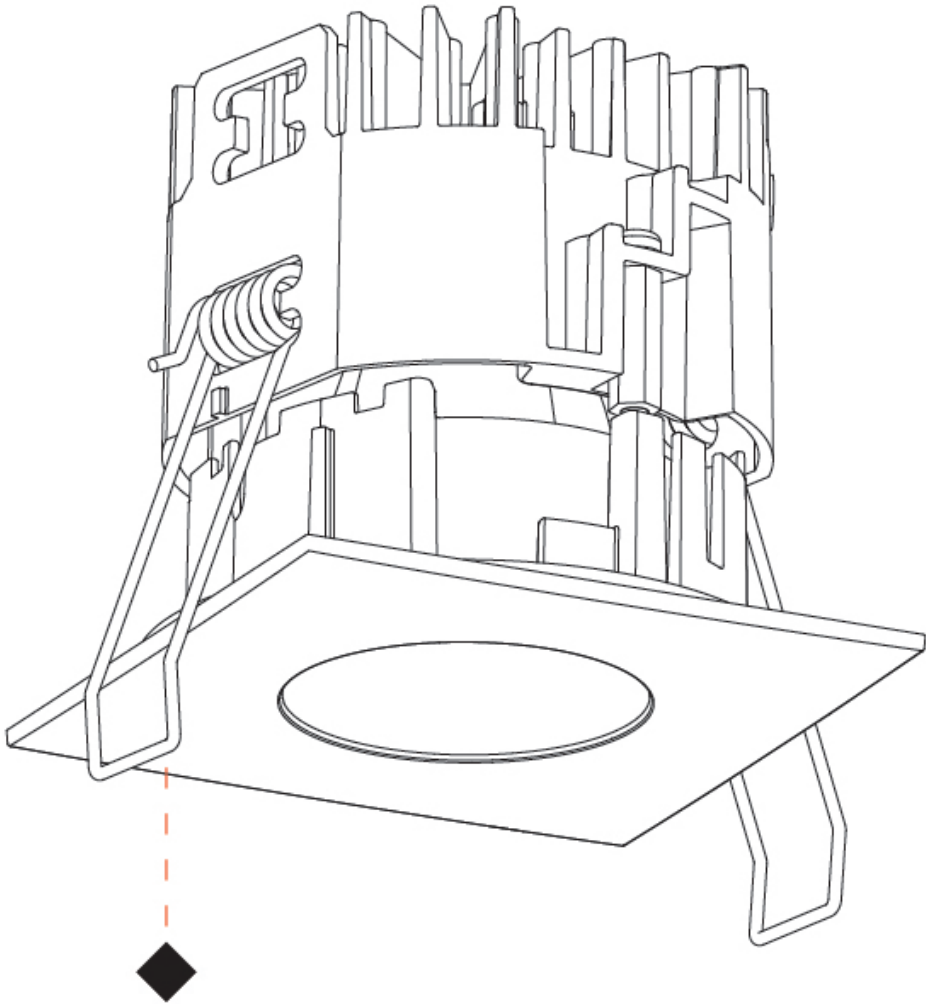
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|-----------|
| PROJECT   |
| TYPE      |
| SPECIFIER |
| QUANTITY  |
| DATE      |



OIKO PRO SQUARE FIXED RECESSED

A350102-

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| PROJECT   |  |
| TYPE      |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |



OIKO PRO SQUARE FIXED RECESSED

A350103-

|             |                      |                       |                 |
|-------------|----------------------|-----------------------|-----------------|
| base number | Color<br>Temperature | Finishes<br>(Diamond) | Lens<br>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: Oiko Pro Square          |
| Subseries: Oiko Pro Square Fixed |
| Partner: Prolicht                |
| Division: Architectural          |
| Installation: Recessed           |
| Product Type: Downlight          |
| Mounting Location: Ceiling       |
| Light Distribution: Downlight    |

PHYSICAL

|                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aperture Sizes - Downlights: 1"                                                                                                                                                       |
| Shape: Square                                                                                                                                                                         |
| Length (mm): 75                                                                                                                                                                       |
| Length (in): 2 15/16                                                                                                                                                                  |
| Width (mm): 75                                                                                                                                                                        |
| Width (in): 2 15/16                                                                                                                                                                   |
| Height (mm): 55                                                                                                                                                                       |
| Height (in): 2 1/6                                                                                                                                                                    |
| Ceiling Thickness (mm): 1 - 25                                                                                                                                                        |
| Ceiling Thickness (in): 1/16 - 1 3/16                                                                                                                                                 |
| Min. Recessing Depth (mm): 70                                                                                                                                                         |
| Min. Recessing Depth (in): 2 3/4                                                                                                                                                      |
| Weight (kg): 0.209                                                                                                                                                                    |
| Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens                                                                                                   |
| Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS |
| Fixture Material: Aluminum Die Cast                                                                                                                                                   |
| Cut-out Measurements: D. 68mm / 2 11/16"                                                                                                                                              |

ELECTRICAL

|                                                                                   |
|-----------------------------------------------------------------------------------|
| Lamp Type: LED (Zhaga Standard)                                                   |
| Input Wattage (W): 15                                                             |
| Total Output Wattage (W): 14.6                                                    |
| Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) |
| Driver Included: Yes                                                              |
| Driver Location: Remote                                                           |
| Driver Type: Constant Current - Universal                                         |
| Driver Class: Class 2                                                             |
| 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): 1385 / 1392 / 1457 / 1471 |
| CRI: >90 CRI                                         |
| Lamp Life (hrs): 50000                               |

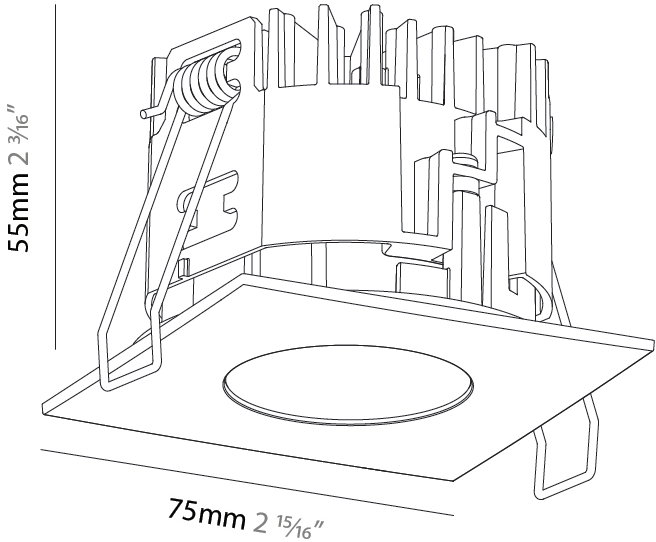
OPTICAL

|                |
|----------------|
| Reflector°: 50 |
|----------------|

RATINGS AND CERTIFICATIONS

|                                                      |
|------------------------------------------------------|
| Certified By: Certified for North American Standards |
| IP rating: IP54                                      |

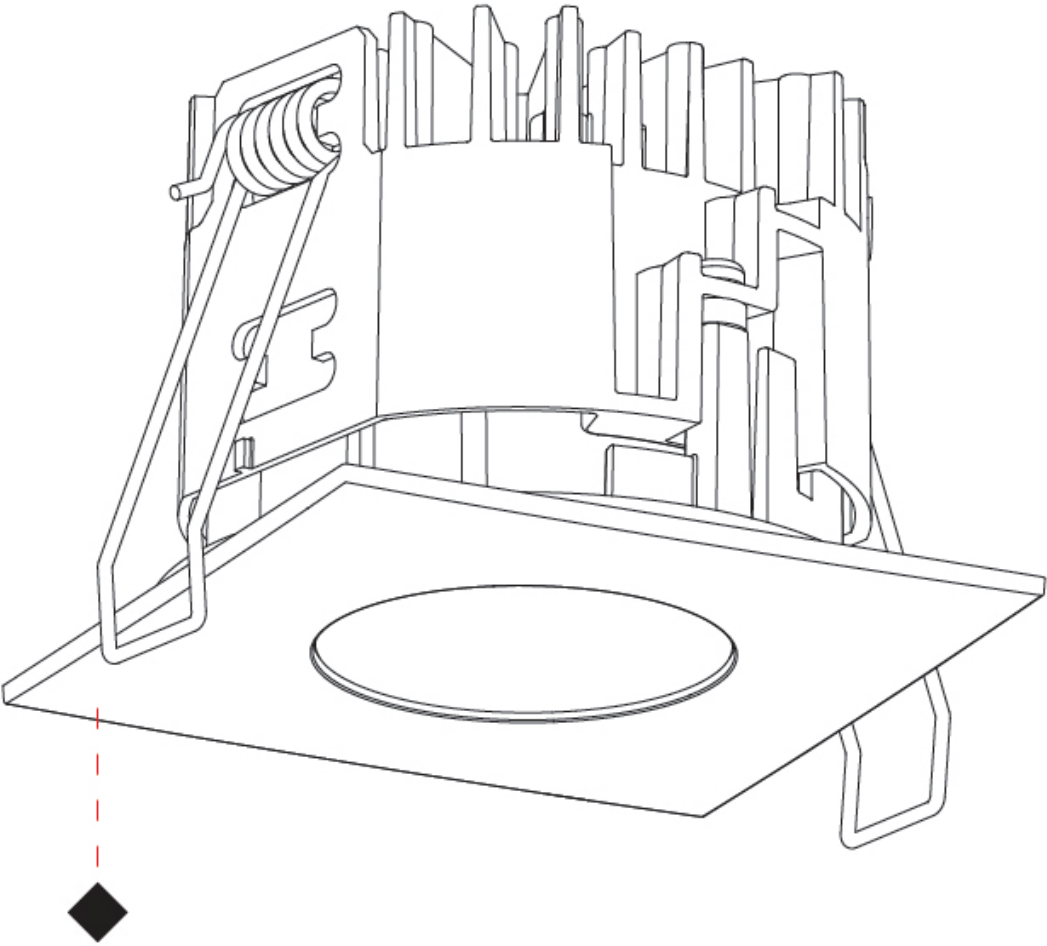
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| PROJECT   |
| TYPE      |
| SPECIFIER |
| QUANTITY  |
| DATE      |



OIKO PRO SQUARE FIXED RECESSED

A350103-

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|-----------|--|
| PROJECT   |  |
| TYPE      |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |



OIKO PRO SQUARE FIXED RECESSED

A350104-

|             |                      |                       |                 |
|-------------|----------------------|-----------------------|-----------------|
| base number | Color<br>Temperature | Finishes<br>(Diamond) | Lens<br>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: Oiko Pro Square          |
| Subseries: Oiko Pro Square Fixed |
| Partner: Prolicht                |
| Division: Architectural          |
| Installation: Recessed           |
| Product Type: Downlight          |
| Mounting Location: Ceiling       |
| Light Distribution: Downlight    |

PHYSICAL

|                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aperture Sizes - Downlights: 1"                                                                                                                                                       |
| Shape: Square                                                                                                                                                                         |
| Length (mm): 75                                                                                                                                                                       |
| Length (in): 2 15/16                                                                                                                                                                  |
| Width (mm): 75                                                                                                                                                                        |
| Width (in): 2 15/16                                                                                                                                                                   |
| Height (mm): 47                                                                                                                                                                       |
| Height (in): 1 7/8                                                                                                                                                                    |
| Ceiling Thickness (mm): 1 - 25                                                                                                                                                        |
| Ceiling Thickness (in): 1/16 - 1 3/16                                                                                                                                                 |
| Min. Recessing Depth (mm): 70                                                                                                                                                         |
| Min. Recessing Depth (in): 2 3/4                                                                                                                                                      |
| Weight (kg): 0.209                                                                                                                                                                    |
| Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens                                                                                                   |
| Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS |
| Fixture Material: Aluminum Die Cast                                                                                                                                                   |
| Cut-out Measurements: D. 68mm / 2 11/16"                                                                                                                                              |

ELECTRICAL

|                                                                                   |
|-----------------------------------------------------------------------------------|
| Lamp Type: LED (Zhaga Standard)                                                   |
| Input Wattage (W): 15                                                             |
| Total Output Wattage (W): 14.6                                                    |
| Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) |
| Driver Included: Yes                                                              |
| Driver Location: Remote                                                           |
| Driver Type: Constant Current - Universal                                         |
| Driver Class: Class 2                                                             |
| 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): 1470 / 1477 / 1546 / 1561 |
| CRI: >90 CRI                                         |
| Lamp Life (hrs): 50000                               |

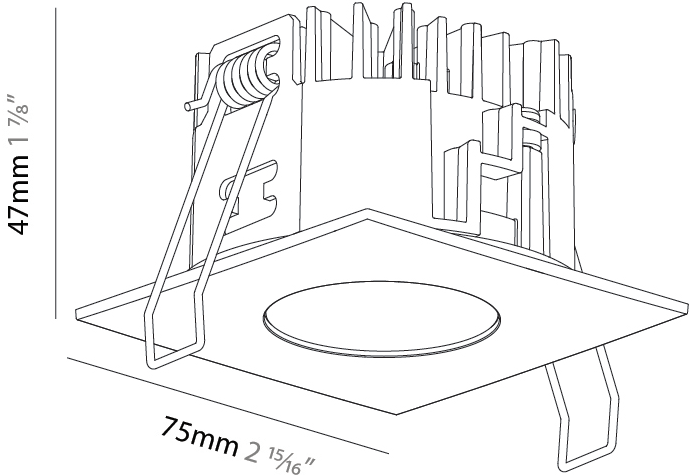
OPTICAL

|                |
|----------------|
| Reflector°: 60 |
|----------------|

RATINGS AND CERTIFICATIONS

|                                                      |
|------------------------------------------------------|
| Certified By: Certified for North American Standards |
| IP rating: IP54                                      |

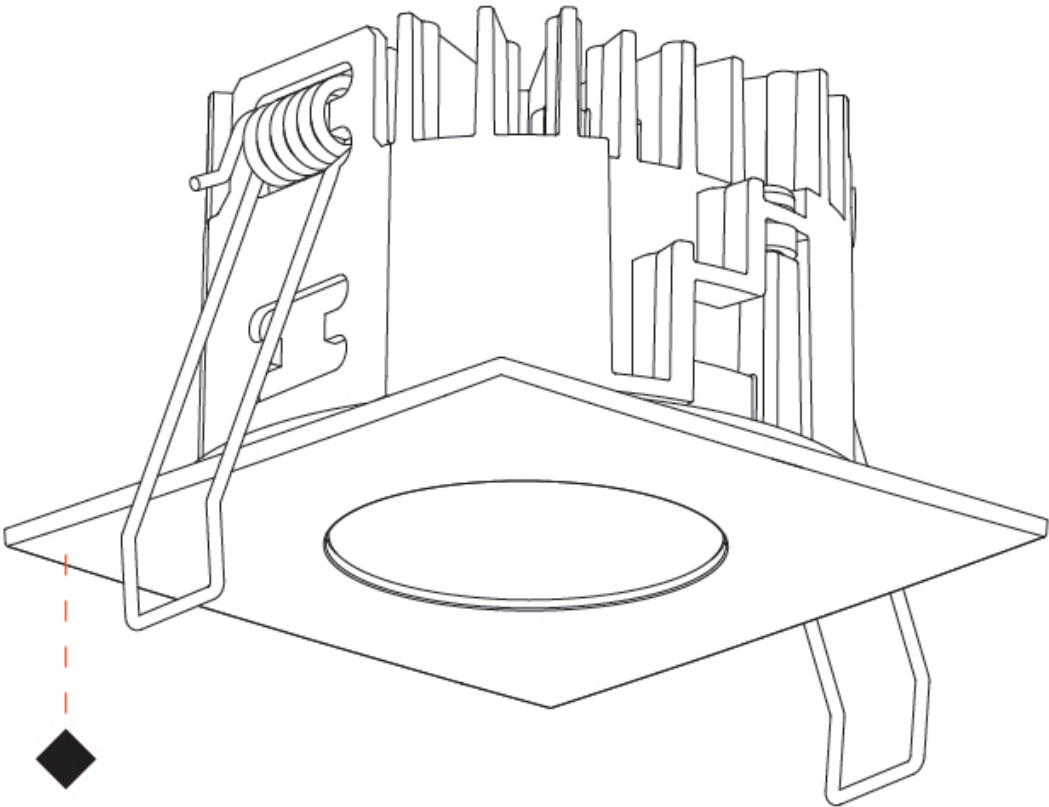
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| PROJECT   |
| TYPE      |
| SPECIFIER |
| QUANTITY  |
| DATE      |



OIKO PRO SQUARE FIXED RECESSED

A350104-

|           |  |
|-----------|--|
| PROJECT   |  |
| TYPE      |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |



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OIKO PRO SQUARE FIXED RECESSED

A350105-

|             |                      |                       |                 |
|-------------|----------------------|-----------------------|-----------------|
| base number | Color<br>Temperature | Finishes<br>(Diamond) | Lens<br>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: Oiko Pro Square          |
| Subseries: Oiko Pro Square Fixed |
| Partner: Prolicht                |
| Division: Architectural          |
| Installation: Recessed           |
| Product Type: Downlight          |
| Mounting Location: Ceiling       |
| Light Distribution: Downlight    |

PHYSICAL

|                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aperture Sizes - Downlights: 1"                                                                                                                                                       |
| Shape: Square                                                                                                                                                                         |
| Length (mm): 75                                                                                                                                                                       |
| Length (in): 2 15/16"                                                                                                                                                                 |
| Width (mm): 75                                                                                                                                                                        |
| Width (in): 2 15/16"                                                                                                                                                                  |
| Height (mm): 69                                                                                                                                                                       |
| Height (in): 2 3/4"                                                                                                                                                                   |
| Ceiling Thickness (mm): 1 - 25                                                                                                                                                        |
| Ceiling Thickness (in): 1/16 - 1 3/16                                                                                                                                                 |
| Min. Recessing Depth (mm): 70                                                                                                                                                         |
| Min. Recessing Depth (in): 2 3/4"                                                                                                                                                     |
| Weight (kg): 0.209                                                                                                                                                                    |
| Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens                                                                                                   |
| Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS |
| Fixture Material: Aluminum Die Cast                                                                                                                                                   |
| Cut-out Measurements: D. 68mm / 2 11/16"                                                                                                                                              |

ELECTRICAL

|                                                                                   |
|-----------------------------------------------------------------------------------|
| Lamp Type: LED (Zhaga Standard)                                                   |
| Input Wattage (W): 16.4                                                           |
| Total Output Wattage (W): 14.6                                                    |
| Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) |
| Driver Included: Yes                                                              |
| Driver Location: Remote                                                           |
| Driver Type: Constant Current - Universal                                         |
| Driver Class: Class 2                                                             |
| 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): 1096 / 1108 / 1160 / 1162 |
| CRI: >90 CRI                                         |
| Lamp Life (hrs): 50000                               |

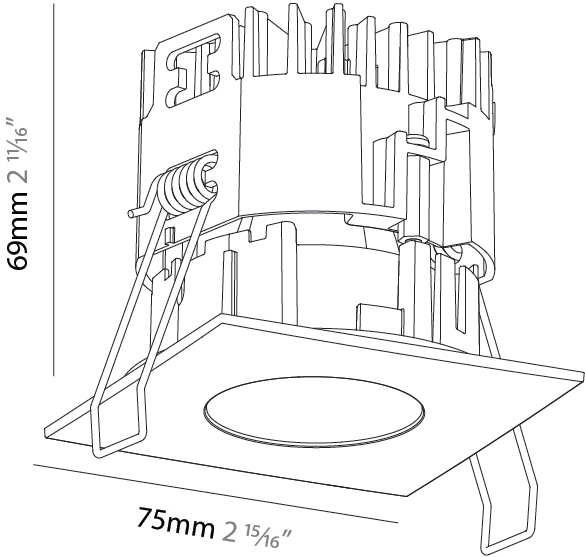
OPTICAL

|                |
|----------------|
| Reflector°: 16 |
|----------------|

RATINGS AND CERTIFICATIONS

|                                                      |
|------------------------------------------------------|
| Certified By: Certified for North American Standards |
| IP rating: IP54                                      |

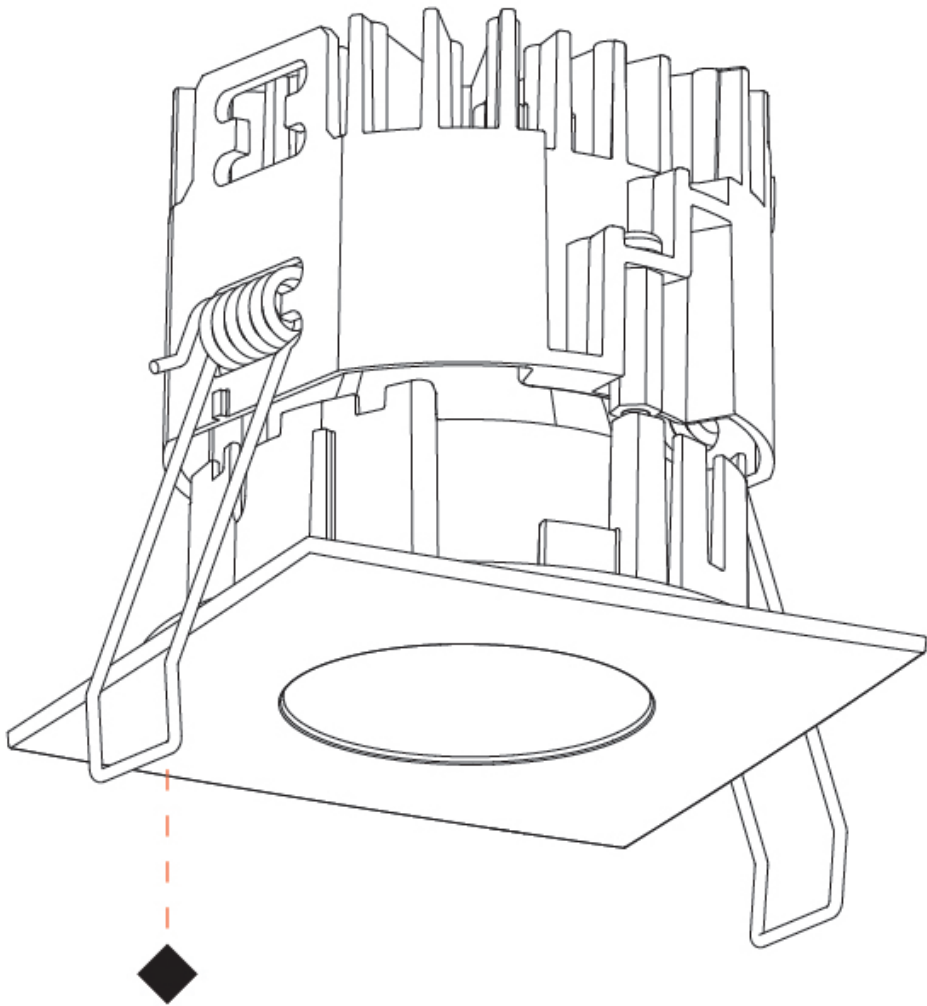
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|-----------|
| PROJECT   |
| TYPE      |
| SPECIFIER |
| QUANTITY  |
| DATE      |



OIKO PRO SQUARE FIXED RECESSED

A350105-

|           |  |
|-----------|--|
| PROJECT   |  |
| TYPE      |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |



OIKO PRO SQUARE FIXED RECESSED

A35955-

base number

Color

Finishes

Lens

Temperature

(Diamond)

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: Oiko Pro Square

Subseries: Oiko Pro Square Fixed

Partner: Prolicht

Division: Architectural

Installation: Recessed

Product Type: Downlight

Mounting Location: Ceiling

Light Distribution: Downlight

PHYSICAL

Aperture Sizes - Downlights: 1"

Shape: Square

Length (mm): 75

Length (in): 2 15⁄16

Width (mm): 75

Width (in): 2 15⁄16

Height (mm): 65

Height (in): 2 9⁄16

Ceiling Thickness (mm): 1 - 25

Ceiling Thickness (in): 1/16 - 1 3/16

Min. Recessing Depth (mm): 70

Min. Recessing Depth (in): 2 3⁄4

Weight (kg): 0.209

Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS

Fixture Material: Aluminum Die Cast

Cut-out Measurements: D. 68mm / 2 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 15

Total Output Wattage (W): 13.6

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

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): 1295 / 1377 / 1442 / 1455

Nominal Lumen (lm): 1566 / 1665 / 1743 / 1759

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Reflectorº: 34

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

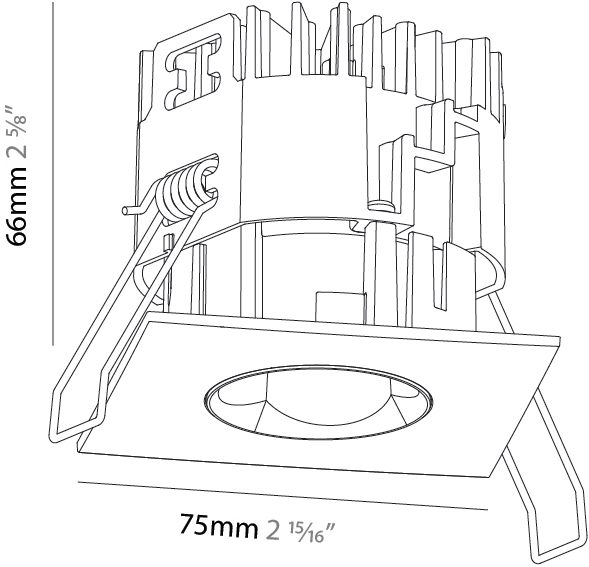
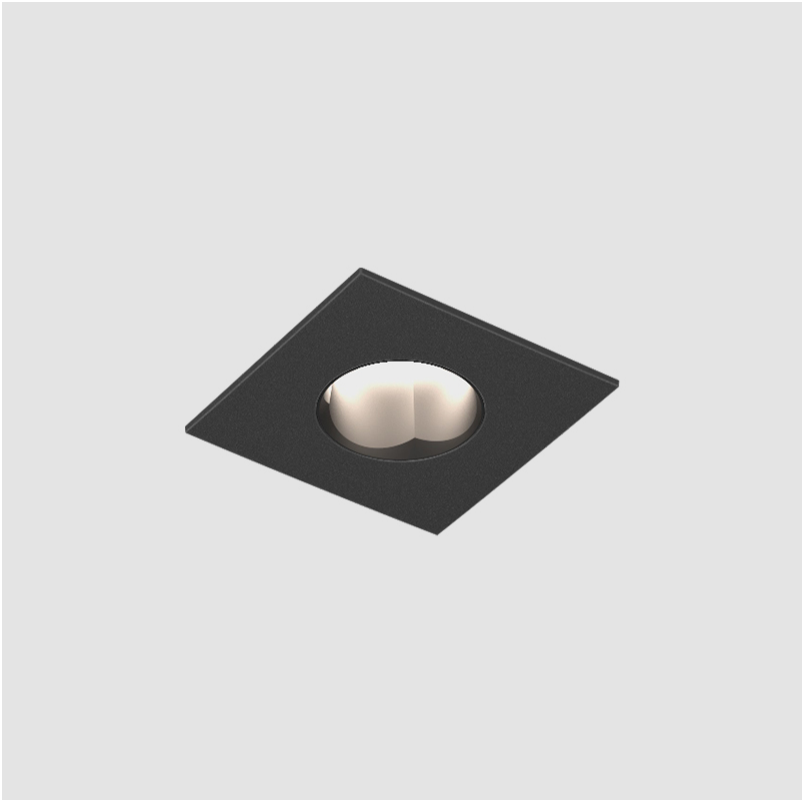
PROJECT

TYPE

SPECIFIER

QUANTITY

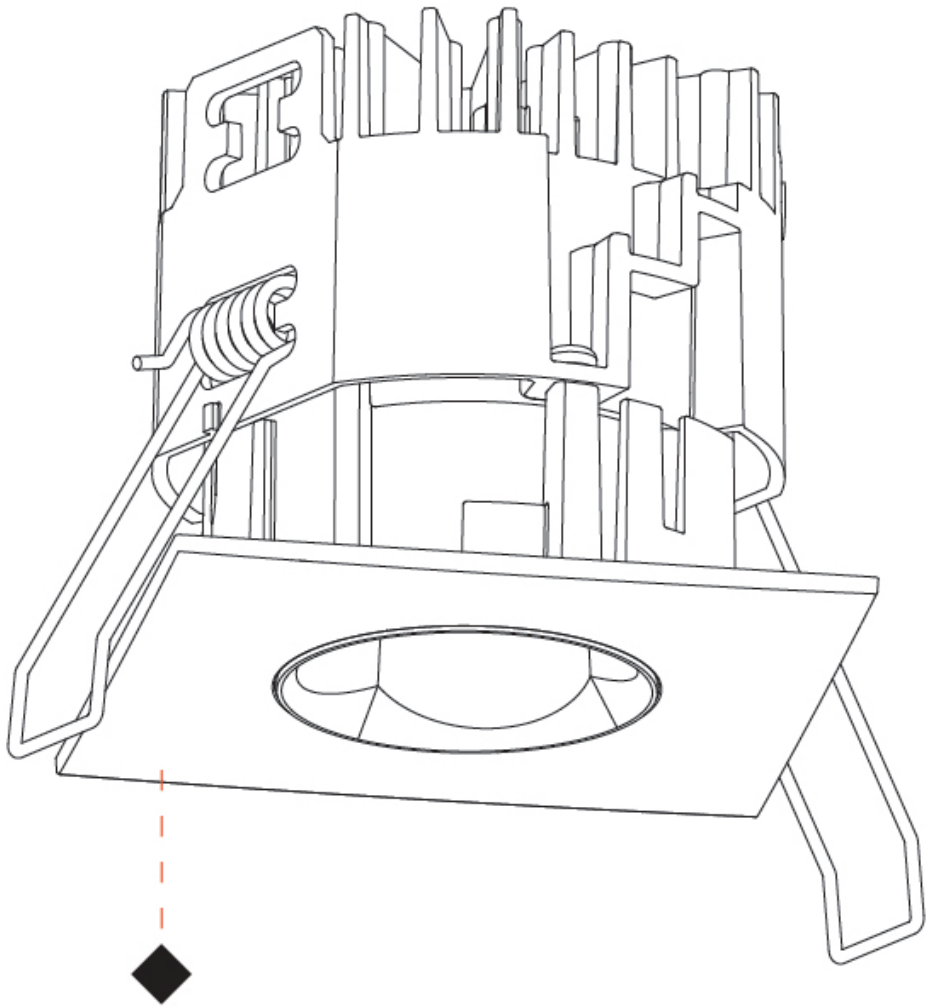
DATE



OIKO PRO SQUARE FIXED RECESSED

A35955-

|           |  |
|-----------|--|
| PROJECT   |  |
| TYPE      |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |



OIKO PRO SQUARE FIXED RECESSED

A35956-

base number

Color

Finishes

Lens

Temperature

(Diamond)

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: Oiko Pro Square

Subseries: Oiko Pro Square Fixed

Partner: Prolicht

Division: Architectural

Installation: Recessed

Product Type: Downlight

Mounting Location: Ceiling

Light Distribution: Downlight

PHYSICAL

Aperture Sizes - Downlights: 1"

Shape: Square

Length (mm): 75

Length (in): 2 15⁄16

Width (mm): 75

Width (in): 2 15⁄16

Height (mm): 51

Height (in): 2

Ceiling Thickness (mm): 1 - 25

Ceiling Thickness (in): 1/16 - 1 3/16

Min. Recessing Depth (mm): 55

Min. Recessing Depth (in): 2 3⁄16

Weight (kg): 0.179

Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS

Fixture Material: Aluminum Die Cast

Cut-out Measurements: D. 68mm / 2 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 15

Total Output Wattage (W): 13.6

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

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): 1375 / 1462 / 1531 / 1545

Nominal Lumen (lm): 1566 / 1665 / 1743 / 1759

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Reflector°: 50

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

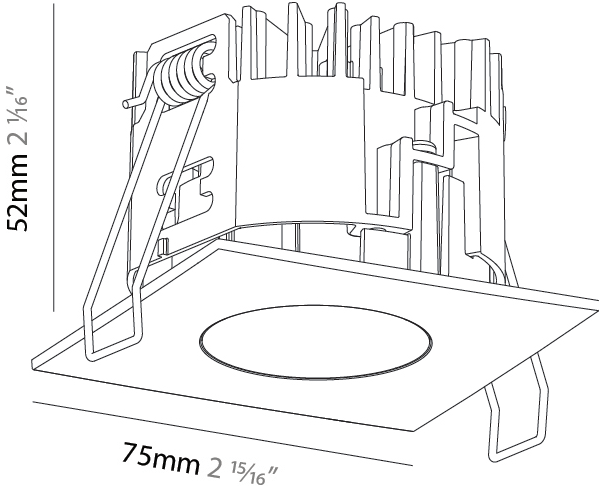
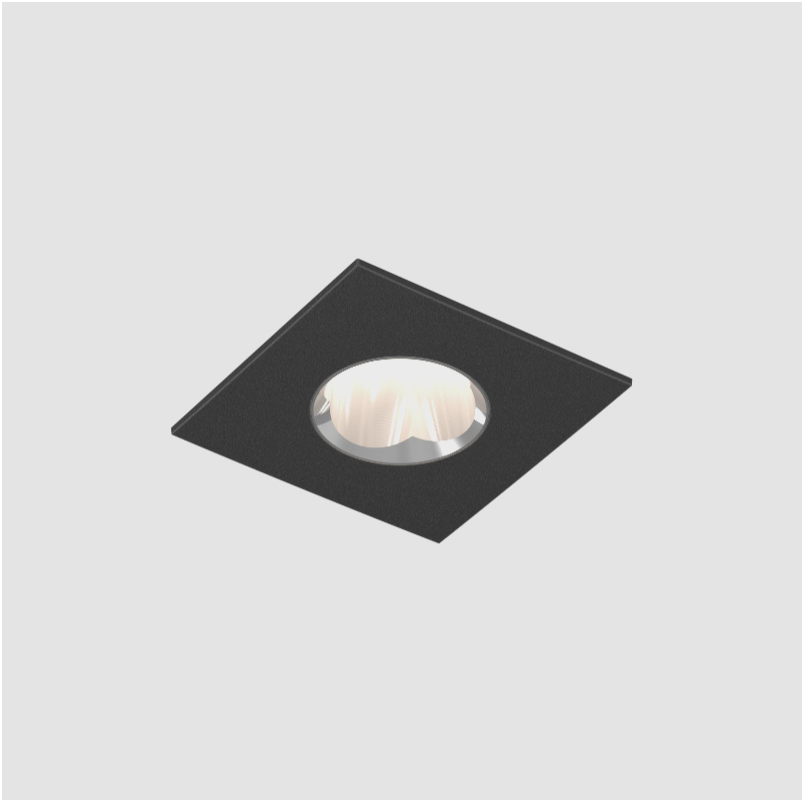
PROJECT

TYPE

SPECIFIER

QUANTITY

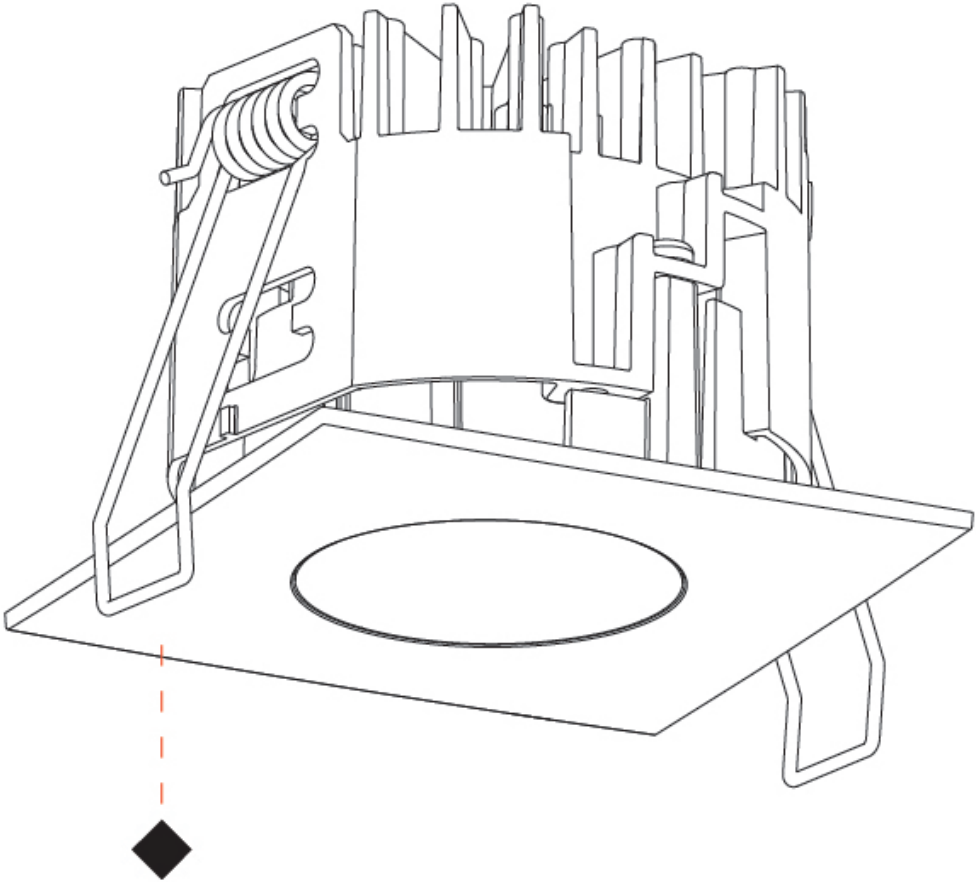
DATE



OIKO PRO SQUARE FIXED RECESSED

A35956-

|           |  |
|-----------|--|
| PROJECT   |  |
| TYPE      |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |



OIKO PRO SQUARE FIXED RECESSED

A35957-

|             |             |           |         |
|-------------|-------------|-----------|---------|
| base number | Color       | Finishes  | Lens    |
|             | Temperature | (Diamond) | 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: Oiko Pro Square          |
| Subseries: Oiko Pro Square Fixed |
| Partner: Prolicht                |
| Division: Architectural          |
| Installation: Recessed           |
| Product Type: Downlight          |
| Mounting Location: Ceiling       |
| Light Distribution: Downlight    |

PHYSICAL

|                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aperture Sizes - Downlights: 1"                                                                                                                                                       |
| Shape: Square                                                                                                                                                                         |
| Length (mm): 75                                                                                                                                                                       |
| Length (in): 2 15/16                                                                                                                                                                  |
| Width (mm): 75                                                                                                                                                                        |
| Width (in): 2 15/16                                                                                                                                                                   |
| Height (mm): 43                                                                                                                                                                       |
| Height (in): 1 11/16                                                                                                                                                                  |
| Ceiling Thickness (mm): 1 - 25                                                                                                                                                        |
| Ceiling Thickness (in): 1/16 - 1 3/16                                                                                                                                                 |
| Min. Recessing Depth (mm): 50                                                                                                                                                         |
| Min. Recessing Depth (in): 1 15/16                                                                                                                                                    |
| Weight (kg): 0.179                                                                                                                                                                    |
| Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens                                                                                                   |
| Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS |
| Fixture Material: Aluminum Die Cast                                                                                                                                                   |
| Cut-out Measurements: D. 68mm / 2 11/16"                                                                                                                                              |

ELECTRICAL

|                                                                                   |
|-----------------------------------------------------------------------------------|
| Lamp Type: LED (Zhaga Standard)                                                   |
| Input Wattage (W): 15                                                             |
| Total Output Wattage (W): 13.6                                                    |
| 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                                                             |
| 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): 1464 / 1556 / 1630 / 1645 |
| Nominal Lumen (lm): 1566 / 1665 / 1743 / 1759        |
| CRI: >90 CRI                                         |
| Lamp Life (hrs): 50000                               |

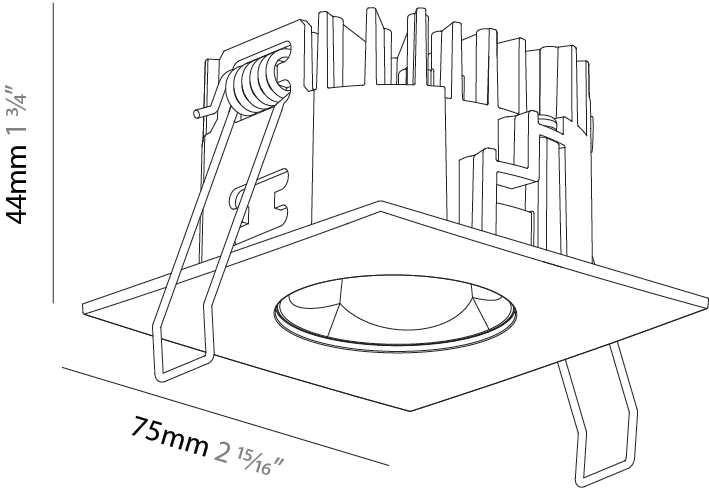
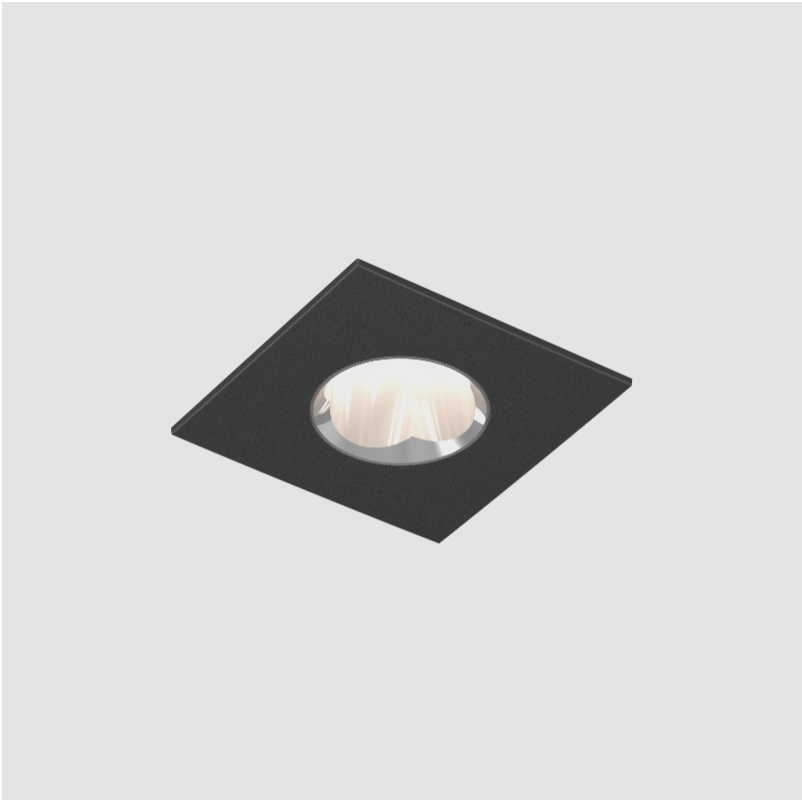
OPTICAL

|                |
|----------------|
| Reflector°: 60 |
|----------------|

RATINGS AND CERTIFICATIONS

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

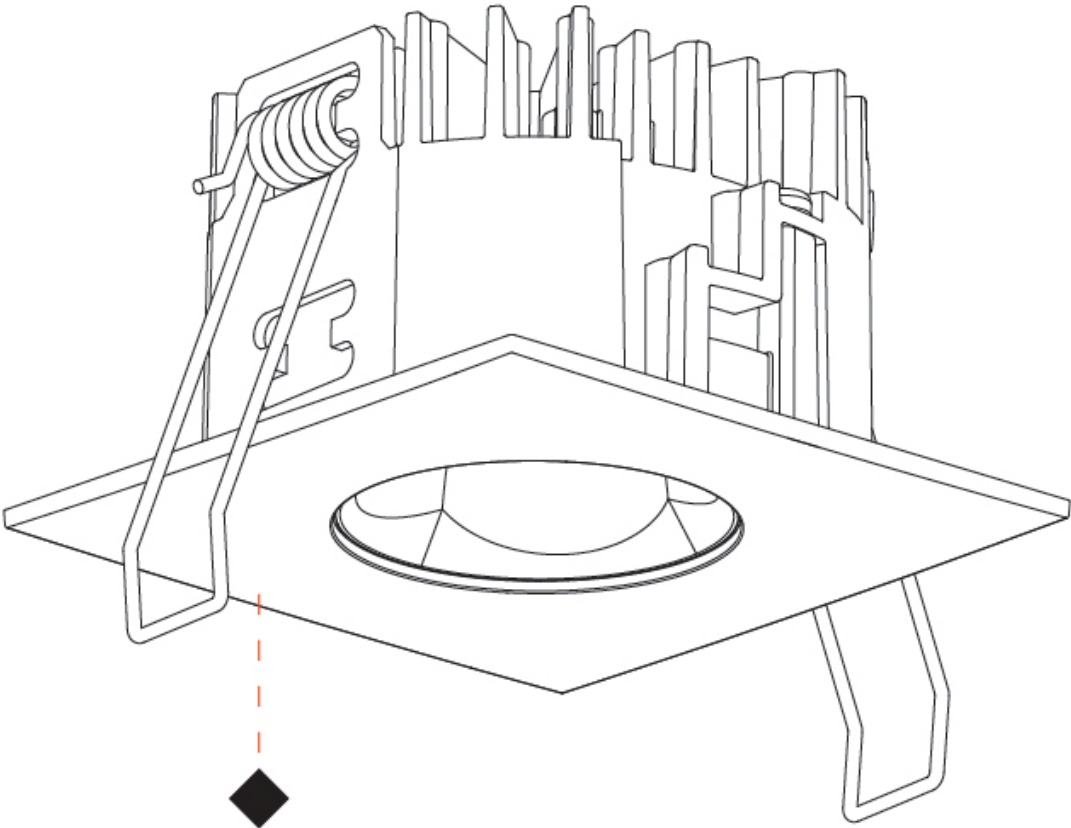
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| PROJECT   |
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| DATE      |



OIKO PRO SQUARE FIXED RECESSED

A35957-

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| PROJECT   |  |
| TYPE      |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |



OIKO PRO SQUARE FIXED RECESSED

A35958-

base number

Color

Finishes

Lens

Temperature

(Diamond)

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: Oiko Pro Square

Subseries: Oiko Pro Square Fixed

Partner: Prolicht

Division: Architectural

Installation: Recessed

Product Type: Downlight

Mounting Location: Ceiling

Light Distribution: Downlight

PHYSICAL

Aperture Sizes - Downlights: 1"

Shape: Square

Length (mm): 75

Length (in): 2 15⁄16

Width (mm): 75

Width (in): 2 15⁄16

Height (mm): 114

Height (in): 4 1⁄2

Ceiling Thickness (mm): 1 - 25

Ceiling Thickness (in): 1/16 - 1 3/16

Min. Recessing Depth (mm): 120

Min. Recessing Depth (in): 4 3⁄4

Weight (kg): 0.357

Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS

Fixture Material: Aluminum Die Cast

Cut-out Measurements: D. 68mm / 2 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 23.5

Total Output Wattage (W): 21.9

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

Input Voltage (V): 120 - 277

Constant Current (MA): 600

LED

Number of LEDs: 1

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

Max. Delivered Lumen (lm): 1936 / 2005 / 2098 / 2118

Nominal Lumen (lm): 1936 / 2424 / 2537 / 2561

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Beam Angle: 34

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

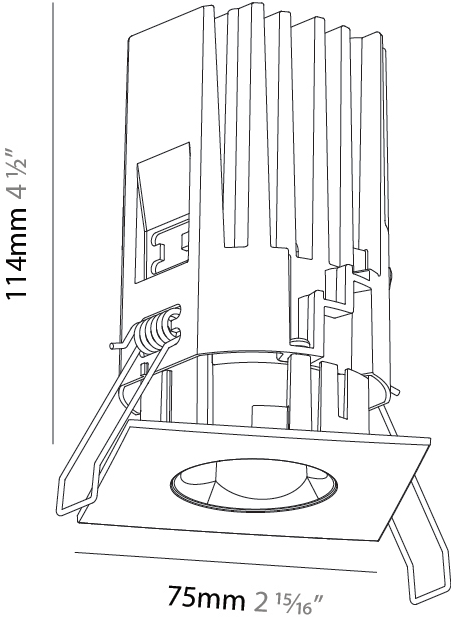
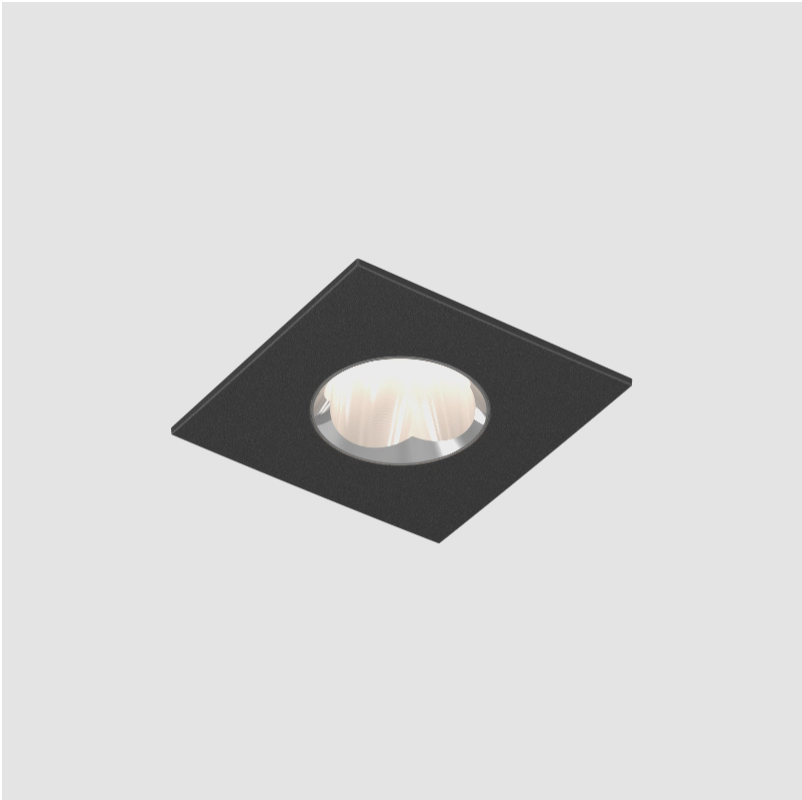
PROJECT

TYPE

SPECIFIER

QUANTITY

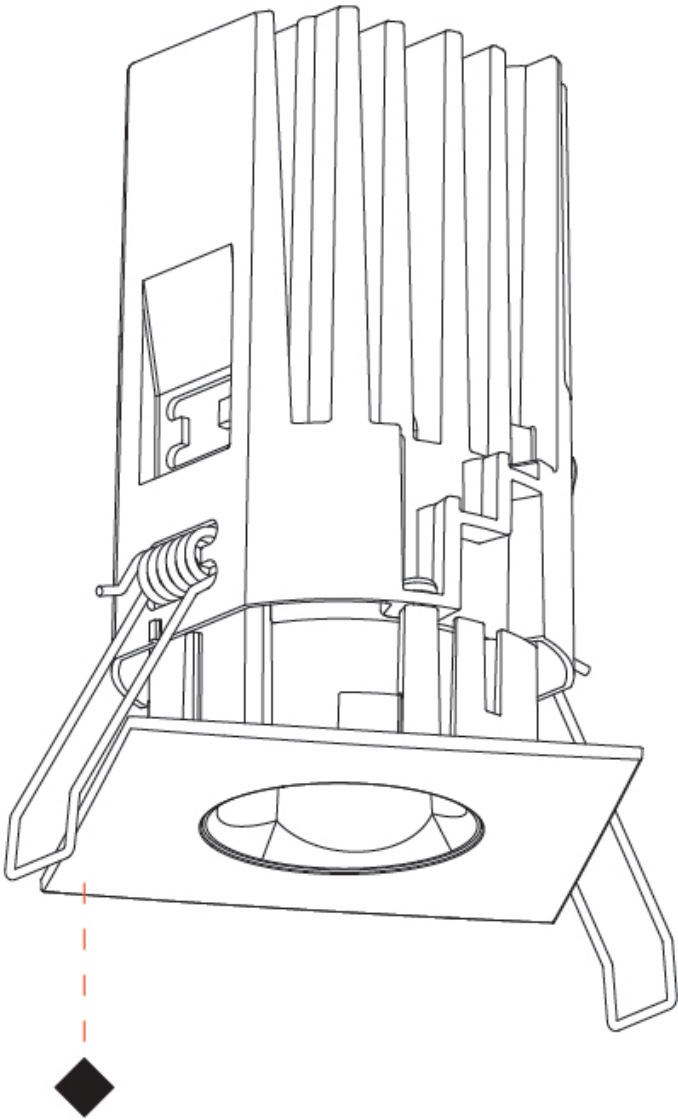
DATE



OIKO PRO SQUARE FIXED RECESSED

A35958-

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| PROJECT   |  |
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A

OIKO PRO SQUARE FIXED RECESSED

A35959-

base number

Color

Finishes

Lens

Temperature

(Diamond)

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: Oiko Pro Square

Subseries: Oiko Pro Square Fixed

Partner: Prolicht

Division: Architectural

Installation: Recessed

Product Type: Downlight

Mounting Location: Ceiling

Light Distribution: Downlight

PHYSICAL

Aperture Sizes - Downlights: 1"

Shape: Square

Length (mm): 75

Length (in): 2 15⁄16

Width (mm): 75

Width (in): 2 15⁄16

Height (mm): 101

Height (in): 4

Ceiling Thickness (mm): 1 - 25

Ceiling Thickness (in): 1/16 - 1 3/16

Min. Recessing Depth (mm): 104

Min. Recessing Depth (in): 4 1⁄6

Weight (kg): 0.354

Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS

Fixture Material: Aluminum Die Cast

Cut-out Measurements: D. 68mm / 2 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 23.5

Total Output Wattage (W): 21.9

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

Input Voltage (V): 120 - 277

Constant Current (MA): 600

LED

Number of LEDs: 1

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

Max. Delivered Lumen (lm): 2055 / 2128 / 2228 / 2248

Nominal Lumen (lm): 2341 / 2424 / 2537 / 2561

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Beam Angle: 50

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

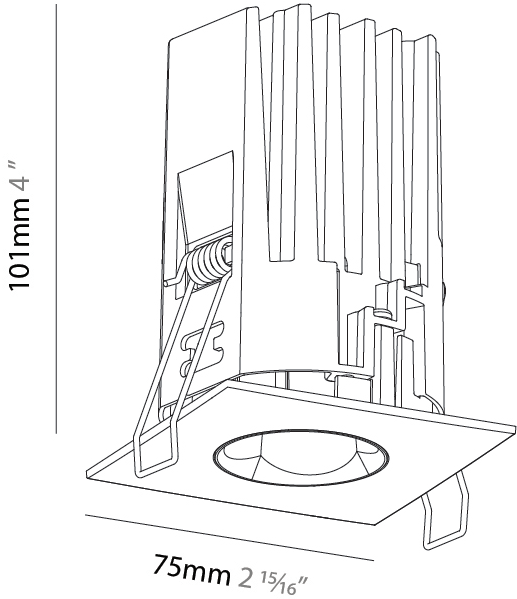
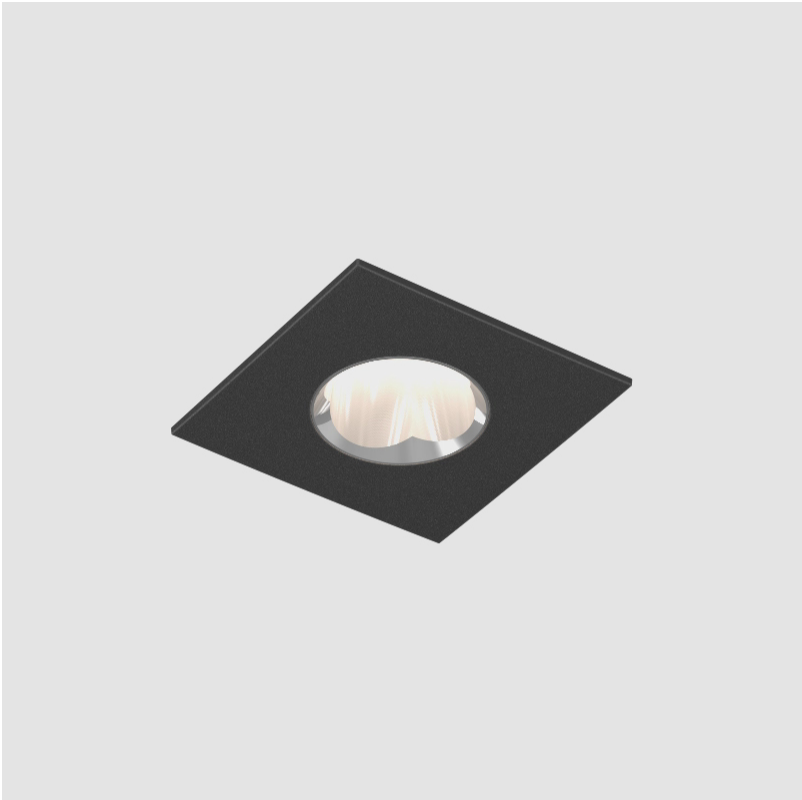
PROJECT

TYPE

SPECIFIER

QUANTITY

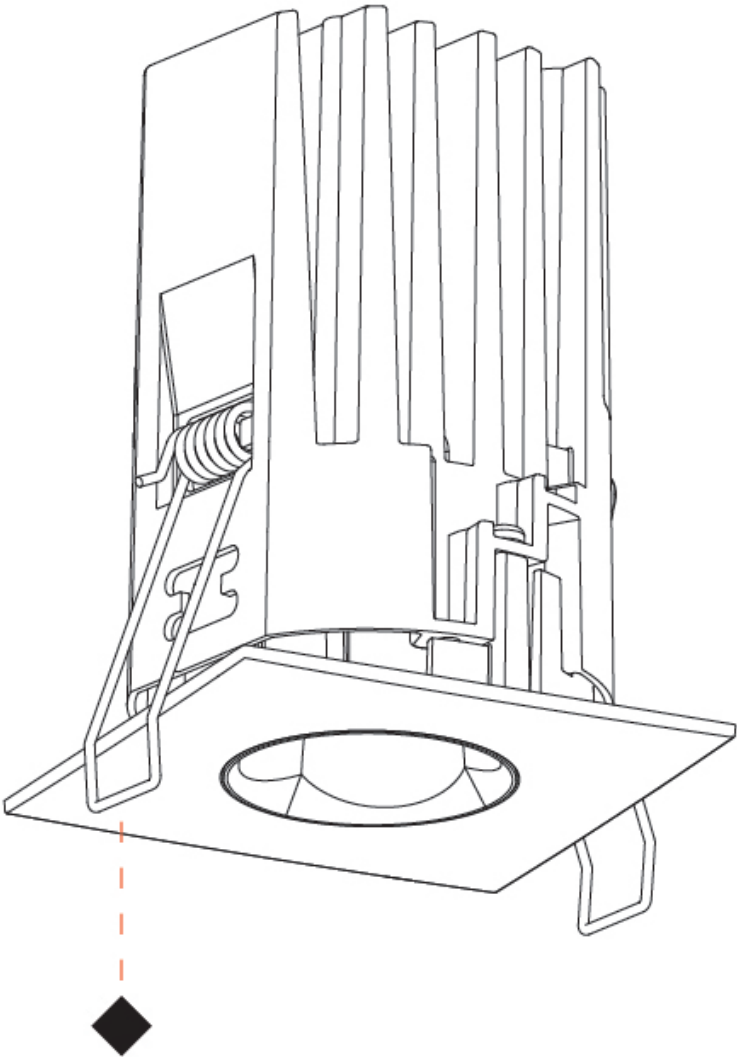
DATE



OIKO PRO SQUARE FIXED RECESSED

A35959-

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| PROJECT   |  |
| TYPE      |  |
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| QUANTITY  |  |
| DATE      |  |



OIKO PRO SQUARE FIXED RECESSED

A35960-

base number

Color

Finishes

Lens

Temperature

(Diamond)

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: Oiko Pro Square

Subseries: Oiko Pro Square Fixed

Partner: Prolicht

Division: Architectural

Installation: Recessed

Product Type: Downlight

Mounting Location: Ceiling

Light Distribution: Downlight

PHYSICAL

Aperture Sizes - Downlights: 1"

Shape: Square

Length (mm): 75

Length (in): 2 15⁄16

Width (mm): 75

Width (in): 2 15⁄16

Height (mm): 92

Height (in): 3 5⁄8

Ceiling Thickness (mm): 1 - 25

Ceiling Thickness (in): 1/16 - 1 3/16

Min. Recessing Depth (mm): 100

Min. Recessing Depth (in): 3 15⁄16

Weight (kg): 0.351

Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens

Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS

Fixture Material: Aluminum Die Cast

Cut-out Measurements: D. 68mm / 2 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 23.5

Total Output Wattage (W): 21.9

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

Input Voltage (V): 120 - 277

Constant Current (MA): 600

LED

Number of LEDs: 1

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

Max. Delivered Lumen (lm): 2189 / 2267 / 2372 / 2394

Nominal Lumen (lm): 2341 / 2424 / 2537 / 2561

CRI: >90 CRI

Lamp Life (hrs): 50000

OPTICAL

Beam Angle: 60

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

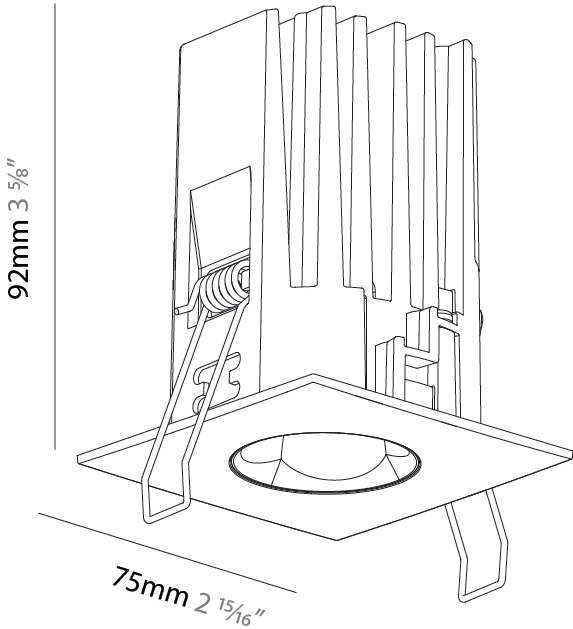
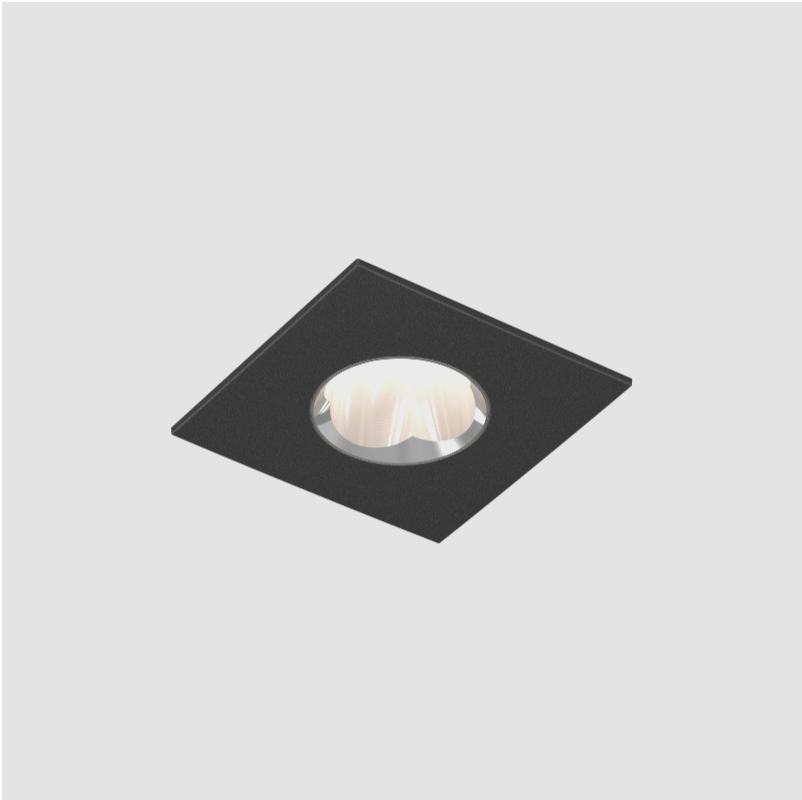
PROJECT

TYPE

SPECIFIER

QUANTITY

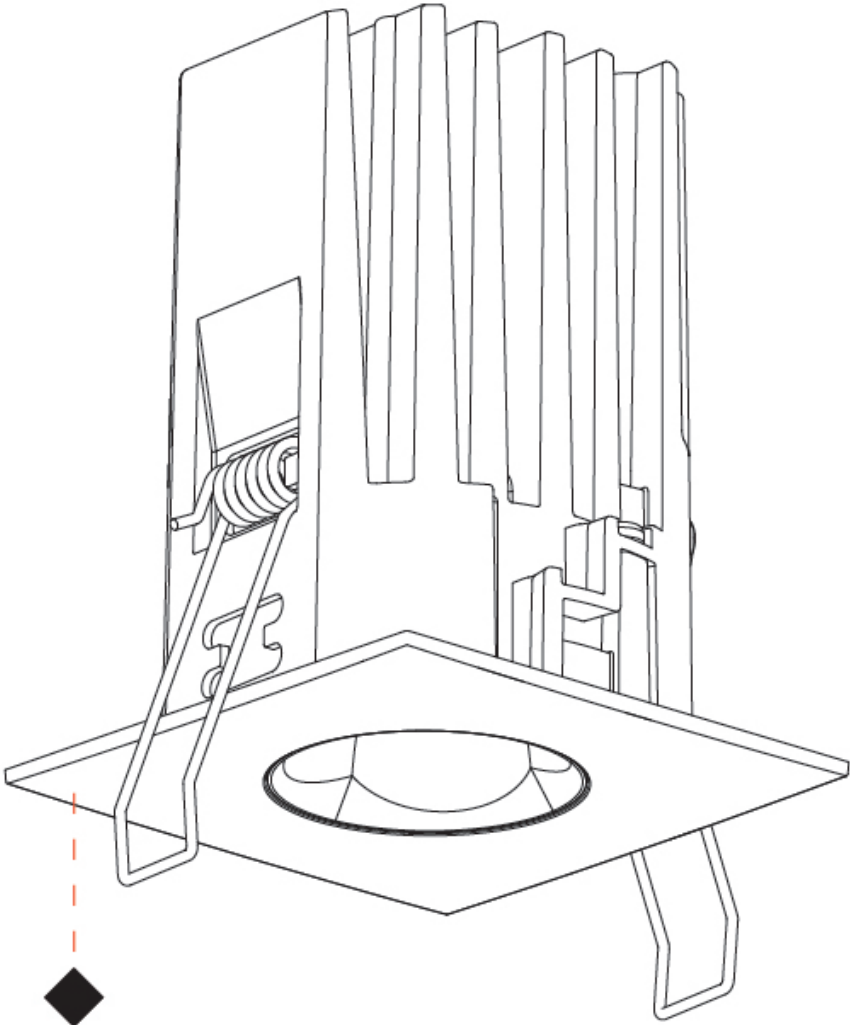
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OIKO PRO SQUARE FIXED RECESSED

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| PROJECT   |  |
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OIKO PRO SQUARE FIXED RECESSED

A35961- -

|             |                       |                 |
|-------------|-----------------------|-----------------|
| base number | Finishes<br>(Diamond) | Lens<br>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: Oiko Pro Square  
Subseries: Oiko Pro Square Fixed  
Partner: Prolicht  
Division: Architectural  
Installation: Recessed  
Product Type: Downlight  
Mounting Location: Ceiling  
Light Distribution: Downlight

PHYSICAL

Aperture Sizes - Downlights: 1"  
Shape: Square  
Length (mm): 75  
Length (in): 2 15/16  
Width (mm): 75  
Width (in): 2 15/16  
Height (mm): 65  
Height (in): 2 9/16  
Ceiling Thickness (mm): 1 - 25  
Ceiling Thickness (in): 1/16 - 1 3/16  
Min. Recessing Depth (mm): 70  
Min. Recessing Depth (in): 2 3/4  
Weight (kg): 0.19  
Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens  
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS  
Fixture Material: Aluminum Die Cast  
Cut-out Measurements: D. 68mm / 2 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
Input Wattage (W): 15  
Total Output Wattage (W): 12.7  
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)  
Driver Included: No  
Driver Location: Remote  
Driver Type: Constant Current - 120/277  
Driver Class: Class 2  
Input Voltage (V): 120 - 277  
Constant Current (MA): 700

LED

Number of LEDs: 1  
Color Temperature (°K): 2700-6500 Tunable White  
Max. Delivered Lumen (lm): 960 - 1129  
Nominal Lumen (lm): 1242 - 1460  
CRI: >90 CRI  
Lamp Life (hrs): 50000

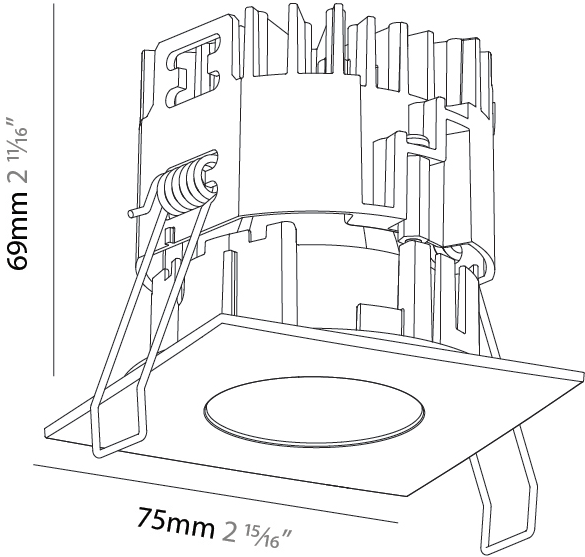
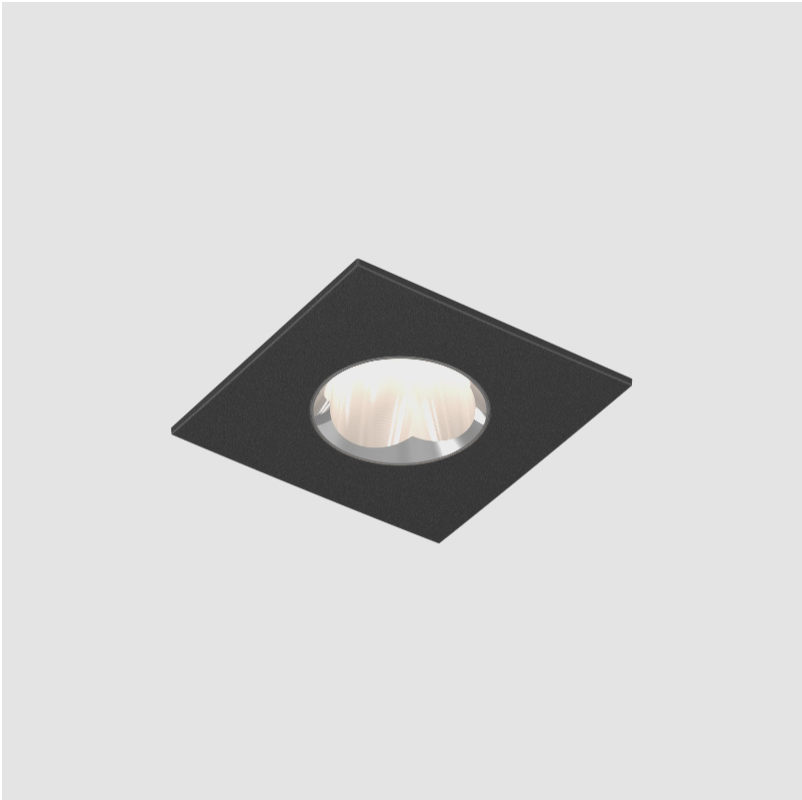
OPTICAL

Beam Angle: 36

RATINGS AND CERTIFICATIONS

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

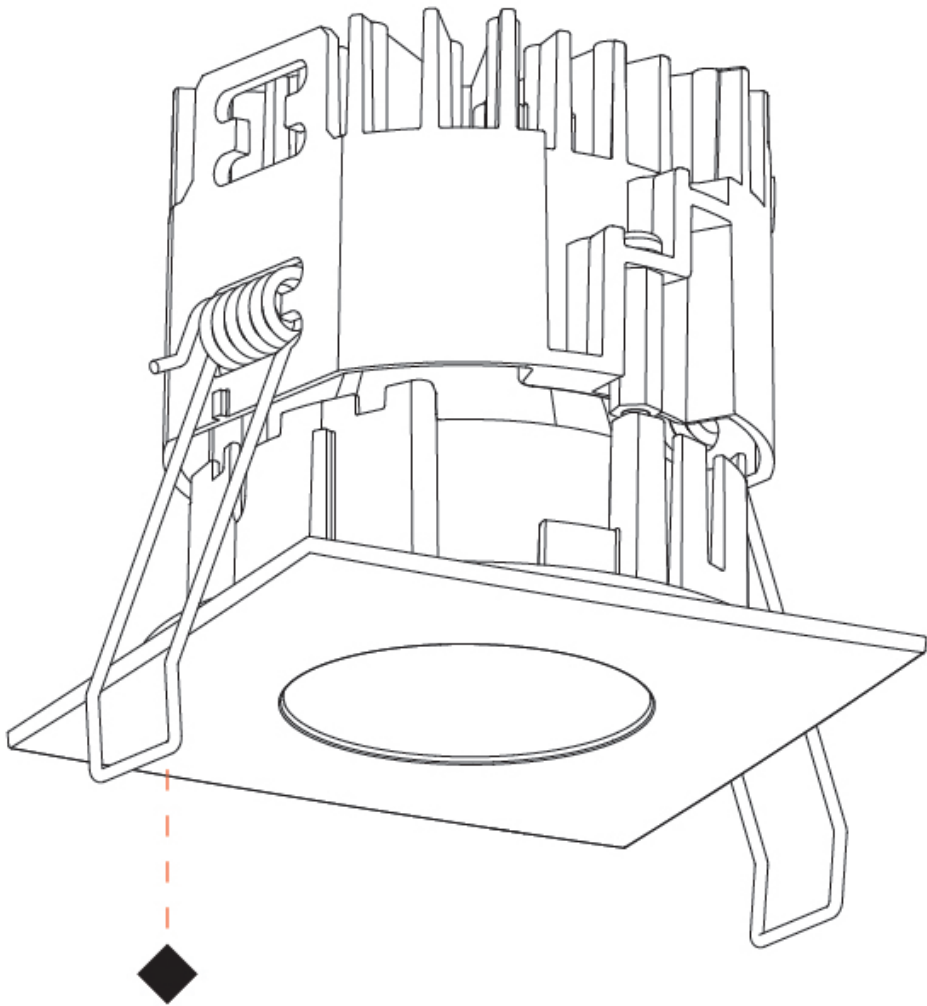
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| PROJECT   |
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| QUANTITY  |
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OIKO PRO SQUARE FIXED RECESSED

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| PROJECT   |  |
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| QUANTITY  |  |
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OIKO PRO SQUARE FIXED RECESSED

A35962- -

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|-------------|-----------------------|-----------------|
| base number | Finishes<br>(Diamond) | Lens<br>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: Oiko Pro Square  
Subseries: Oiko Pro Square Fixed  
Partner: Prolicht  
Division: Architectural  
Installation: Recessed  
Product Type: Downlight  
Mounting Location: Ceiling  
Light Distribution: Downlight

PHYSICAL

Aperture Sizes - Downlights: 1"  
Shape: Square  
Length (mm): 75  
Length (in): 2 15/16  
Width (mm): 75  
Width (in): 2 15/16  
Height (mm): 55  
Height (in): 2 3/16  
Ceiling Thickness (mm): 1 - 25  
Ceiling Thickness (in): 1/16 - 1 3/16  
Min. Recessing Depth (mm): 70  
Min. Recessing Depth (in): 2 3/4  
Weight (kg): 0.19  
Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens  
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS  
Fixture Material: Aluminum Die Cast  
Cut-out Measurements: D. 68mm / 2 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
Input Wattage (W): 14  
Total Output Wattage (W): 12.7  
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)  
Driver Included: No  
Driver Location: Remote  
Driver Type: Constant Current - 120/277  
Driver Class: Class 2  
Input Voltage (V): 120 - 277  
Constant Current (MA): 700

LED

Number of LEDs: 1  
Color Temperature (°K): 2700-6500 Tunable White  
Max. Delivered Lumen (lm): 1000 - 1176  
Nominal Lumen (lm): 1242 - 1460  
CRI: >90 CRI  
Lamp Life (hrs): 50000

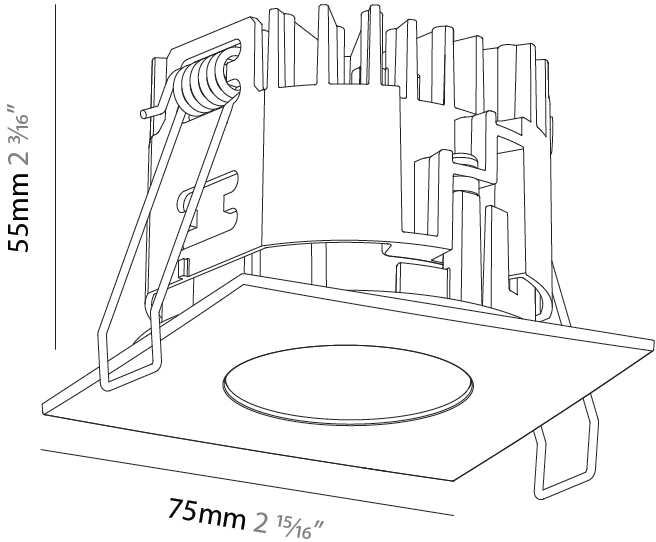
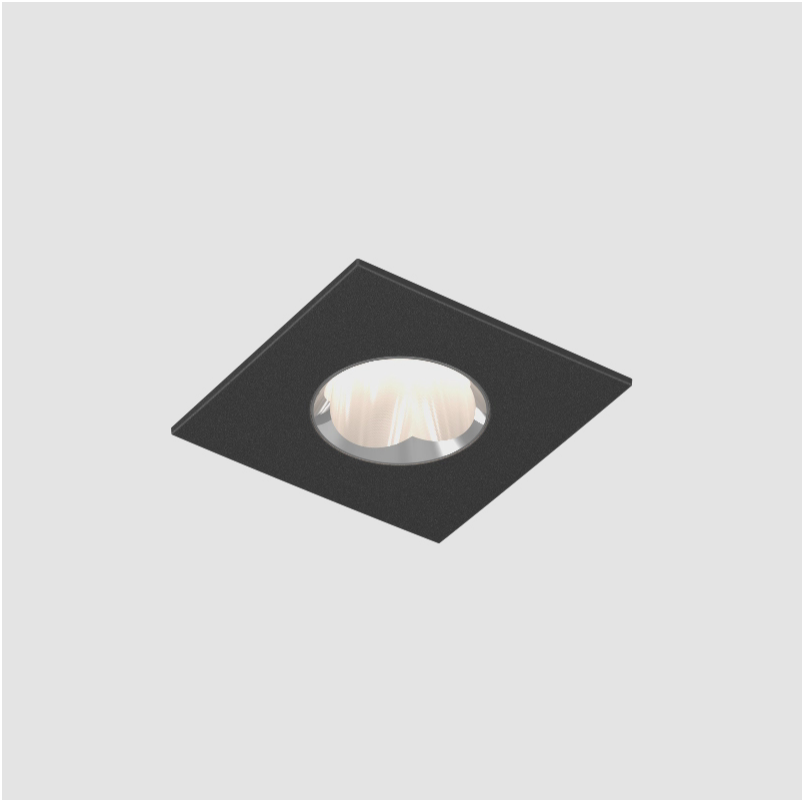
OPTICAL

Beam Angle: 52

RATINGS AND CERTIFICATIONS

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

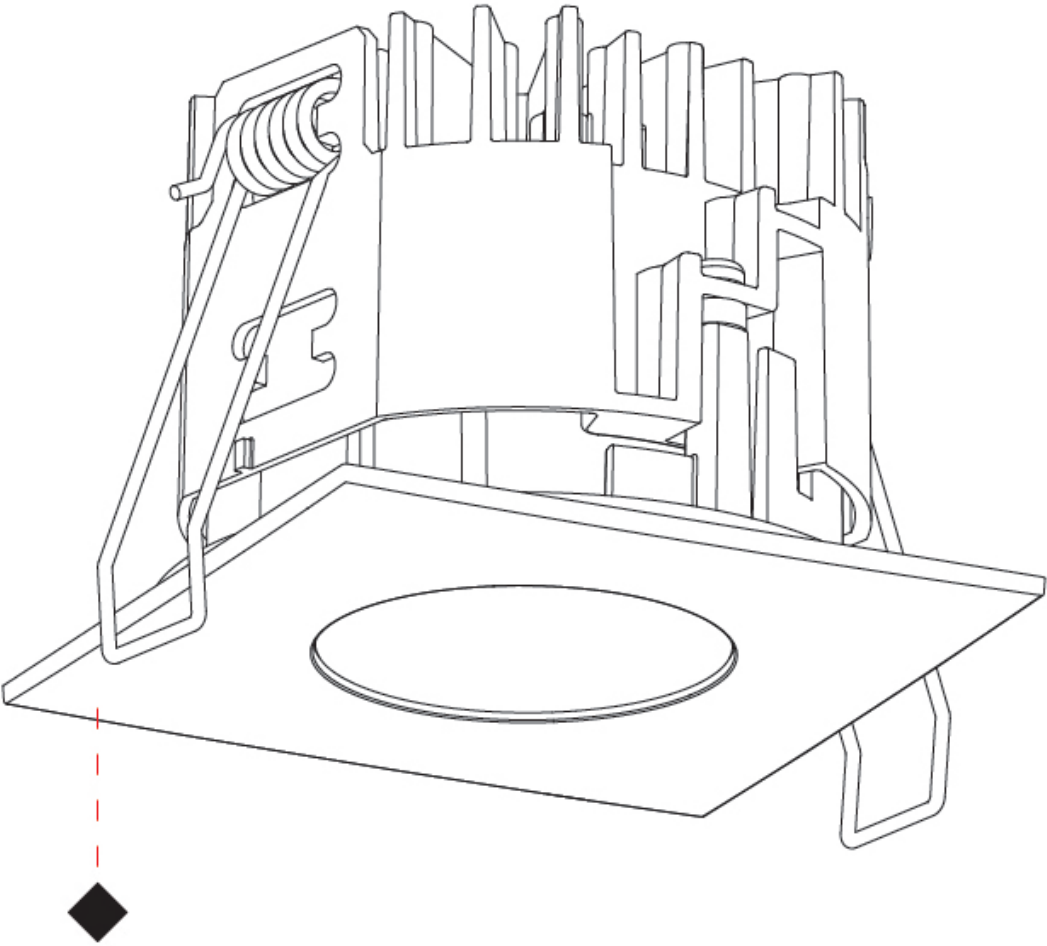
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OIKO PRO SQUARE FIXED RECESSED

A35962-

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OIKO PRO SQUARE FIXED RECESSED

A35963- -  
base number Finishes Lens  
(Diamond) 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: Oiko Pro Square  
Subseries: Oiko Pro Square Fixed  
Partner: Prolicht  
Division: Architectural  
Installation: Recessed  
Product Type: Downlight  
Mounting Location: Ceiling  
Light Distribution: Downlight

PHYSICAL

Aperture Sizes - Downlights: 1"  
Shape: Square  
Length (mm): 75  
Length (in): 2 15/16  
Width (mm): 75  
Width (in): 2 15/16  
Height (mm): 46  
Height (in): 1 13/16  
Ceiling Thickness (mm): 1 - 25  
Ceiling Thickness (in): 1/16 - 1 3/16  
Min. Recessing Depth (mm): 50  
Min. Recessing Depth (in): 1 15/16  
Weight (kg): 0.186  
Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens  
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / CHC / COM / ABZ / JAG / OBR / MOS / ROR / GMS  
Fixture Material: Aluminum Die Cast  
Cut-out Measurements: D. 68mm / 2 11/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)  
Input Wattage (W): 14.4  
Driver Included: No  
Driver Location: Remote  
Driver Class: Class 2  
Input Voltage (V): 120 - 277  
Constant Current (MA): 350

LED

Number of LEDs: 1  
Color Temperature (°K): 2700-6500 Tunable White  
Max. Delivered Lumen (lm): 1121 - 1319  
Nominal Lumen (lm): 1242 - 1460  
CRI: >90 CRI  
Lamp Life (hrs): 50000

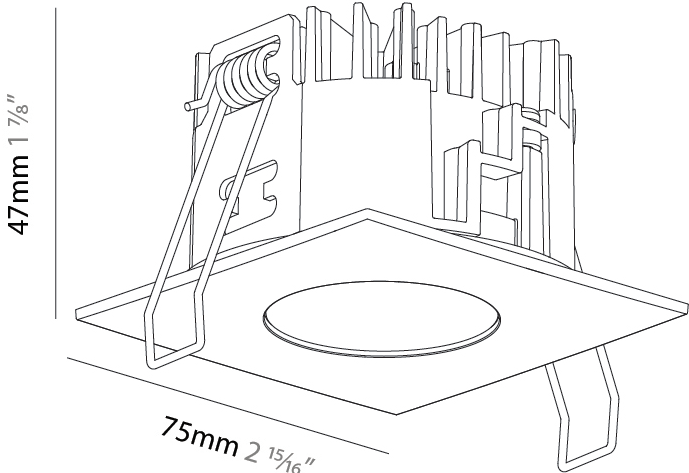
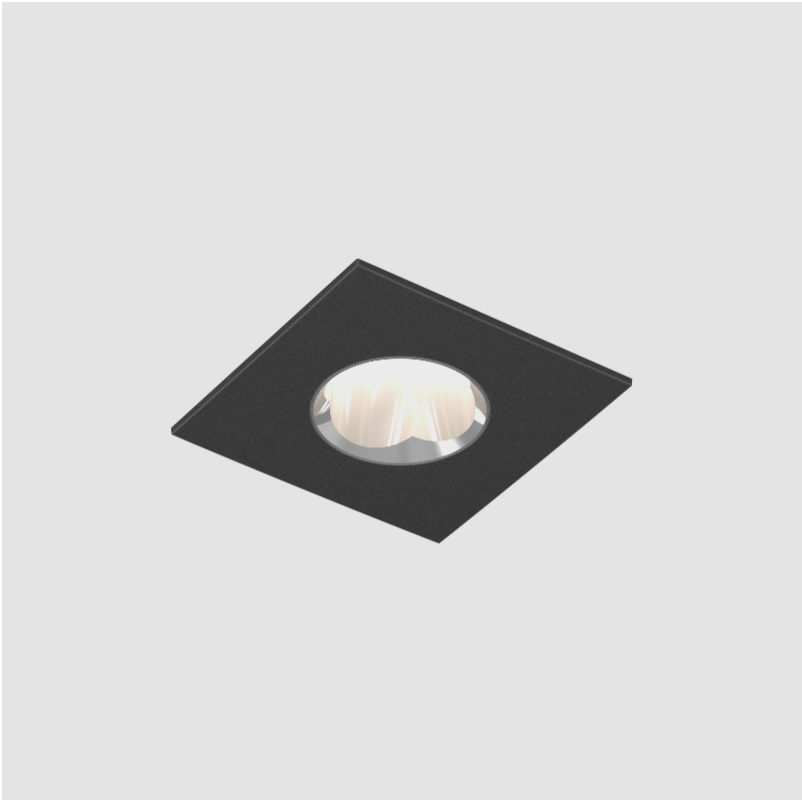
OPTICAL

Beam Angle: 60

RATINGS AND CERTIFICATIONS

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

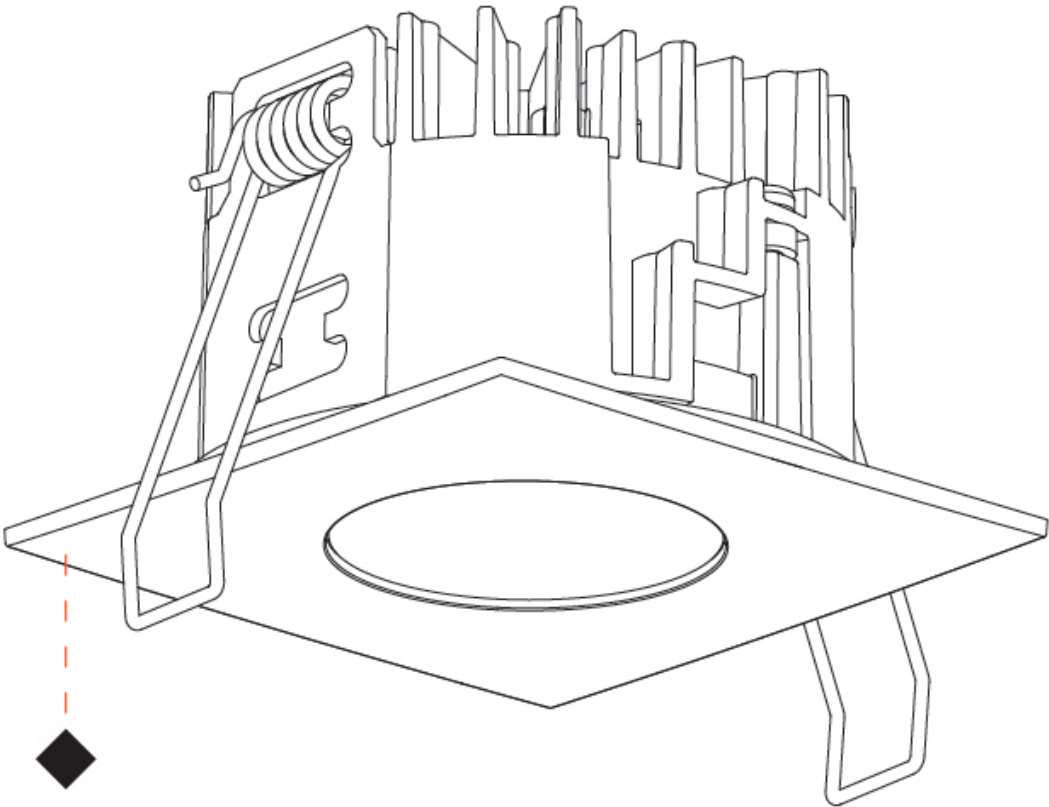
PROJECT  
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OIKO PRO SQUARE FIXED RECESSED

A35963-

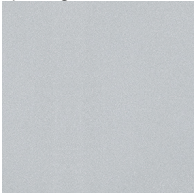
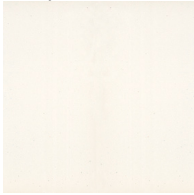
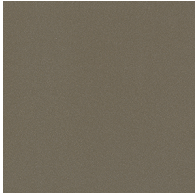
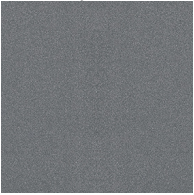
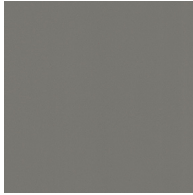
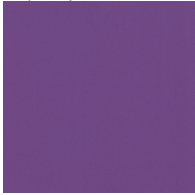
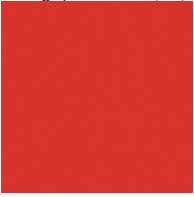
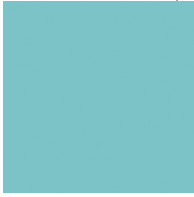
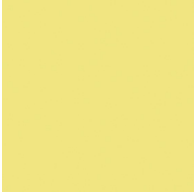
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| PROJECT   |  |
| TYPE      |  |
| SPECIFIER |  |
| QUANTITY  |  |
| DATE      |  |

Fixture Finish

|                                                                                                                 |                                                                                                                    |                                                                                                                    |                                                                                                                       |                                                                                                                    |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Sparkling Silver - 01 (SSR)<br> | Black Velvet - 02 (BKV)<br>       | Crystal White - 03 (CWI)<br>      | Creamy - 04 (CRY)<br>               | Hampton Bay - 05 (HAB)<br>      | Urban Forest - 07 (UFT)<br>  |
| In the Army - 08 (ITA)<br>      | Rusty Angel - 09 (RUA)<br>        | Fade to Gray - 12 (FTG)<br>       | Mysterious Gray - 13 (MYG)<br>      | Lost Dream - 15 (LOD)<br>       | Purple Sky - 16 (PUS)<br>    |
| Fresh Oh - 17 (FRO)<br>        | Funky P. - 18 (FUP)<br>          | Kissing Aphrodite - 19 (KIA)<br> | Poseidon's Paradise - 20 (POP)<br> | Blue Sky - 21 (BLS)<br>        | Spring Green - 22 (SPG)<br> |
| Mellow Yellow - 23 (MEY)<br>  | Golden Heart - 24 (GOH)<br>     | Champagne Cream - 26 (CHC)<br>  | Copper Mine - 27 (COM)<br>        | Ancient Bronze - 28 (ABZ)<br> | Jazz Gold - 29 (JAG)<br>   |
| Olive Breeze - 30 (OBR)<br>   | Moonlight Silver - 31 (MOS)<br> | Rosewood Red - 32 (ROR)<br>     | Gun Metal Solid - 35 (GMS)<br>    |                                                                                                                    |                                                                                                                 |

**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.

**Champagne Cream, Copper Mine, Ancient Bronze + Jazz Gold:** These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.



### LEGEND

|  |                                                           |  |                                                              |  |                                                                                                |
|--|-----------------------------------------------------------|--|--------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|
|  | floor-mounted                                             |  | pivotal                                                      |  | 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                                   |  | color rendering index                                                                          |
|  | direct light distribution                                 |  | reflector degree selection                                   |  | color temperature                                                                              |
|  | direct/indirect light distribution                        |  | super spot                                                   |  | lumen (luminous flux)                                                                          |
|  | indirect light distribution                               |  | lens                                                         |  | efficacy (lumens per watt)                                                                     |
|  | asymmetric light distribution                             |  | lens pack                                                    |  | 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) |  | 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 Certified to UL and CSA Standards                                                          |
|  | sensor                                                    |  | direct diffuser                                              |  | UL Certified to UL and CSA Standards                                                           |
|  | remote control                                            |  | ball-proof (upon request)                                    |  | CSA Certified to UL and CSA Standards                                                          |
|  | available upon request                                    |  | accessory                                                    |  | Certified for North American Standards                                                         |

### IP RATING

|  |                                                                                                                                                  |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------|
|  | protected against ingress of solid bodies greater than 12.5mm (finger)                                                                           |
|  | protected against ingress of solid bodies greater than 2.5mm<br>protected against sprays of water up to 60 degrees from the vertical (rain)      |
|  | protected against ingress of solid bodies greater than 1mm (wire)<br>no protection against the ingress of moisture                               |
|  | protected against ingress of solid bodies greater than 1mm (wire)<br>protected against sprays of water up to 60 degrees from the vertical (rain) |
|  | protected against ingress of solid bodies greater than 1mm (wire)<br>protected against water splashed from all directions                        |
|  | protected against limited ingress of dust (wet rooms/covered outdoor areas)<br>protected against water splashed from all directions              |
|  | protected against ingress of dust<br>protected against jets of water                                                                             |
|  | protected against ingress of dust<br>protected against powerful jets of water or heavy seas                                                      |
|  | protected against ingress of dust<br>protected against immersion of water between 15cm - 1m for 30 minutes                                       |
|  | protected against ingress of dust<br>protected against immersion of water under pressure for long periods                                        |

### IK RATING

|  |                                                                                                       |
|--|-------------------------------------------------------------------------------------------------------|
|  | protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)  |
|  | protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)   |
|  | protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface) |
|  | protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)  |
|  | protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)  |
|  | protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)    |
|  | protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)     |
|  | protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)     |
|  | 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)    |