

# BO 32 / 45 / 55

intrack 1 | 2 | 3 lamps

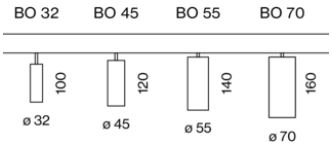
EN Track light made of die-cast aluminium; powder coated; spotlight head rotates 360° and tilts 90°; choice of single lamp, double lamps or triple lamp; converter in the adapter; with optional high quality lens system with precise radiation characteristic; or high quality, aluminium, vapour deposition coated reflector with faceted design; precise radiation characteristics with different beam angles; good glare reduction due to recessed light point plane; optical attachments as accessories; COB (Chip on Board) technology or high power LEDs - maximum efficiency; no multiple shadows; energy-eff. LEDs - very good colour rendering; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter flush with the power track, available in white or black options

FR Spot sur rail en fonte d'aluminium injectée ; thermolaquée ; tête de spot pivotant à 360° et orientable à 90° ; au choix à une, deux ou trois lampes ; convertisseur dans l'adaptateur ; également possible avec une optique de lentilles de haute qualité présentant des caractéristiques de rayonnement précises ; ou réflecteur de grande qualité, métallisée à l'aluminium avec optique facette ; précision de caractéristique de rayonnement avec divers angles de diffusion ; bon anti-éblouissement grâce aux points lumineux en retrait ; eléments optiques comme accessoires ; technologie COB (Chip on Board) ou High-Power-LED - efficacité maximale ; pas d'ombres multiples ; LED à haut rend. énerg. - excellent rendu coul. ; adaptateur pour installation ou déplacement sans outil dans différents rails triphasés ; adaptateur à fleur de rail d'alimentation, blanc ou noir au choix

## Quickinfo

2700 K, 3000 K, 3500 K, 4000 K
CRI ≥ 90 / 2 SDCM (initial MacAdam), 3 SDCM (initial MacAdam)
jusqu'à 101 lm/W
L85 / 50000 h, L90 / 100000 h
DALI-2
IP20

### Types




### Colours

### convertisseur

### Répartition de la lumière


only one adapter with 2 or 3 lamps

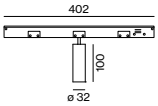

360° rotatable, 90° tiltable


glare control via honeycomb louver

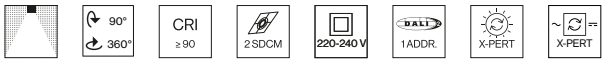

oval lens for oval light illumination


CRI ≥ 95 2 SDCM






## **BO 32** intrack 1 lamp




### **SPOT** 18°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 10.6 W | 2700 K | 789 lm | 74 lm/W | 180-713043 ◪■ S |
| | 3000 K | 818 lm | 77 lm/W | 180-713053 ◪■ S |
| | 3500 K | 836 lm | 79 lm/W | 180-713073 ◪■ S |
| | 4000 K | 854 lm | 81 lm/W | 180-713063 ◪■ S |

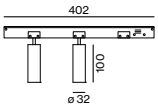
### **MEDIUM** 24°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 10.6 W | 2700 K | 822 lm | 78 lm/W | 180-713043 ◪■ M |
| | 3000 K | 852 lm | 80 lm/W | 180-713053 ◪■ M |
| | 3500 K | 871 lm | 82 lm/W | 180-713073 ◪■ M |
| | 4000 K | 889 lm | 84 lm/W | 180-713063 ◪■ M |

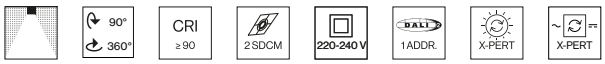
### **FLOOD** 34°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 10.6 W | 2700 K | 784 lm | 74 lm/W | 180-713043 ◪■ F |
| | 3000 K | 813 lm | 77 lm/W | 180-713053 ◪■ F |
| | 3500 K | 831 lm | 78 lm/W | 180-713073 ◪■ F |
| | 4000 K | 849 lm | 80 lm/W | 180-713063 ◪■ F |






## **BO 32** intrack 2 lamps




### **SPOT** 18°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 20.5 W | 2700 K | 1580 lm | 77 lm/W | 180-714043 ◪■ S |
| | 3000 K | 1640 lm | 80 lm/W | 180-714053 ◪■ S |
| | 3500 K | 1670 lm | 81 lm/W | 180-714073 ◪■ S |
| | 4000 K | 1710 lm | 83 lm/W | 180-714063 ◪■ S |

### **MEDIUM** 24°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 20.5 W | 2700 K | 1640 lm | 80 lm/W | 180-714043 ◪■ M |
| | 3000 K | 1700 lm | 83 lm/W | 180-714053 ◪■ M |
| | 3500 K | 1740 lm | 85 lm/W | 180-714073 ◪■ M |
| | 4000 K | 1780 lm | 87 lm/W | 180-714063 ◪■ M |

## Order options

| COLOUR ◪ | |
|---|---|
| traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 |
| special colours | X |

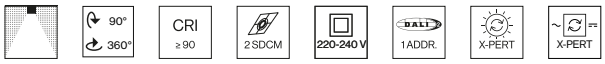
| CONVERTER ■ | |
|---|---|
| traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 |

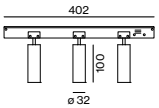
**FLOOD** 34°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 20.5 W | 2700 K | 1570 lm | 77 lm/W | 180-714043 ◪■F |
| | 3000 K | 1630 lm | 80 lm/W | 180-714053 ◪■F |
| | 3500 K | 1660 lm | 81 lm/W | 180-714073 ◪■F |
| | 4000 K | 1700 lm | 83 lm/W | 180-714063 ◪■F |



## **BO 32** intrack 3 lamps




**SPOT** 18°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 32.0 W | 2700 K | 2370 lm | 74 lm/W | 180-715043 ◪■S |
| | 3000 K | 2450 lm | 77 lm/W | 180-715053 ◪■S |
| | 3500 K | 2510 lm | 78 lm/W | 180-715073 ◪■S |
| | 4000 K | 2560 lm | 80 lm/W | 180-715063 ◪■S |

**MEDIUM** 24°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 32.0 W | 2700 K | 2470 lm | 77 lm/W | 180-715043 ◪■M |
| | 3000 K | 2560 lm | 80 lm/W | 180-715053 ◪■M |
| | 3500 K | 2610 lm | 82 lm/W | 180-715073 ◪■M |
| | 4000 K | 2670 lm | 83 lm/W | 180-715063 ◪■M |

**FLOOD** 34°, CRI ≥ 90, DALI-2

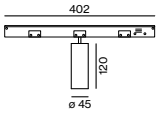
| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 32.0 W | 2700 K | 2350 lm | 73 lm/W | 180-715043 ◪■F |
| | 3000 K | 2440 lm | 76 lm/W | 180-715053 ◪■F |
| | 3500 K | 2490 lm | 78 lm/W | 180-715073 ◪■F |
| | 4000 K | 2550 lm | 80 lm/W | 180-715063 ◪■F |

## Order options

| COLOUR ◪ | | CONVERTER ■ | |
|---|---|---|---|
| traffic white RAL 9016 | 7 | traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 | jet black RAL 9005 | 8 |
| special colours | X | | |



## **BO 45** intrack 1 lamp




### SUPER SPOT 8°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 8.4 W | 2700 K | 387 lm | 46 lm/W | 180-723043 ◪■ V |
| | 3000 K | 432 lm | 51 lm/W | 180-723053 ◪■ V |
| | 3500 K | 432 lm | 51 lm/W | 180-723073 ◪■ V |
| | 4000 K | 432 lm | 51 lm/W | 180-723063 ◪■ V |

do not use optical filters

### SPOT 12°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 15.0 W | 2700 K | 1120 lm | 75 lm/W | 180-723043 ◪■ S |
| | 3000 K | 1160 lm | 77 lm/W | 180-723053 ◪■ S |
| | 3500 K | 1190 lm | 79 lm/W | 180-723073 ◪■ S |
| | 4000 K | 1210 lm | 81 lm/W | 180-723063 ◪■ S |

### MEDIUM 24°, CRI ≥ 90, DALI-2

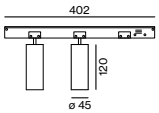
| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 15.8 W | 2700 K | 1350 lm | 85 lm/W | 180-723043 ◪■ M |
| | 3000 K | 1410 lm | 89 lm/W | 180-723053 ◪■ M |
| | 3500 K | 1440 lm | 91 lm/W | 180-723073 ◪■ M |
| | 4000 K | 1470 lm | 93 lm/W | 180-723063 ◪■ M |

### FLOOD 36°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 15.8 W | 2700 K | 1390 lm | 88 lm/W | 180-723043 ◪■ F |
| | 3000 K | 1440 lm | 91 lm/W | 180-723053 ◪■ F |
| | 3500 K | 1470 lm | 93 lm/W | 180-723073 ◪■ F |
| | 4000 K | 1510 lm | 96 lm/W | 180-723063 ◪■ F |



## **BO 45** intrack 2 lamps




### SUPER SPOT 8°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 14.1 W | 2700 K | 696 lm | 49 lm/W | 180-724043 ◪■ V |
| | 3000 K | 780 lm | 55 lm/W | 180-724053 ◪■ V |
| | 3500 K | 780 lm | 55 lm/W | 180-724073 ◪■ V |
| | 4000 K | 780 lm | 55 lm/W | 180-724063 ◪■ V |

do not use optical filters

## Order options

| COLOUR ◪ | | CONVERTER ■ | |
|---|---|---|---|
| traffic white RAL 9016 | 7 | traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 | jet black RAL 9005 | 8 |
| special colours | X | | |

**SPOT** 12°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 29.2 W | 2700 K | 2240 lm | 77 lm/W | 180-724043 ◪■ S |
| | 3000 K | 2320 lm | 79 lm/W | 180-724053 ◪■ S |
| | 3500 K | 2380 lm | 82 lm/W | 180-724073 ◪■ S |
| | 4000 K | 2420 lm | 83 lm/W | 180-724063 ◪■ S |

**MEDIUM** 24°, CRI ≥ 90, DALI-2

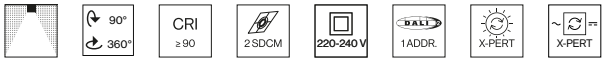
| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 31.0 W | 2700 K | 2700 lm | 87 lm/W | 180-724043 ◪■ M |
| | 3000 K | 2820 lm | 91 lm/W | 180-724053 ◪■ M |
| | 3500 K | 2880 lm | 93 lm/W | 180-724073 ◪■ M |
| | 4000 K | 2940 lm | 95 lm/W | 180-724063 ◪■ M |

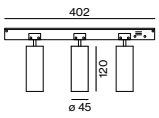
**FLOOD** 36°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 31.0 W | 2700 K | 2780 lm | 90 lm/W | 180-724043 ◪■ F |
| | 3000 K | 2880 lm | 93 lm/W | 180-724053 ◪■ F |
| | 3500 K | 2940 lm | 95 lm/W | 180-724073 ◪■ F |
| | 4000 K | 3020 lm | 97 lm/W | 180-724063 ◪■ F |



## **BO 45** intrack 3 lamps




**SPOT** 12°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 44.0 W | 2700 K | 3360 lm | 76 lm/W | 180-725043 ◪■ S |
| | 3000 K | 3480 lm | 79 lm/W | 180-725053 ◪■ S |
| | 3500 K | 3570 lm | 81 lm/W | 180-725073 ◪■ S |
| | 4000 K | 3630 lm | 83 lm/W | 180-725063 ◪■ S |

**MEDIUM** 24°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 40.0 W | 2700 K | 3630 lm | 91 lm/W | 180-725043 ◪■ M |
| | 3000 K | 3750 lm | 94 lm/W | 180-725053 ◪■ M |
| | 3500 K | 3840 lm | 96 lm/W | 180-725073 ◪■ M |
| | 4000 K | 3930 lm | 98 lm/W | 180-725063 ◪■ M |

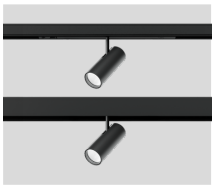
**Order options**

| COLOUR ◪ | |
|---|---|
| traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 |
| special colours | X |

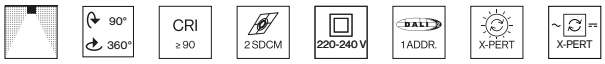
| CONVERTER ■ | |
|---|---|
| traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 |

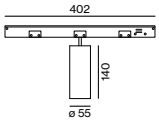
**FLOOD** 36°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 40.0 W | 2700 K | 3720 lm | 93 lm/W | 180-725043 ◪■F |
| | 3000 K | 3840 lm | 96 lm/W | 180-725053 ◪■F |
| | 3500 K | 3930 lm | 98 lm/W | 180-725073 ◪■F |
| | 4000 K | 4020 lm | 101 lm/W | 180-725063 ◪■F |



## **BO 55** intrack 1 lamp




**SPOT** 17°, CRI ≥ 90, DALI-2

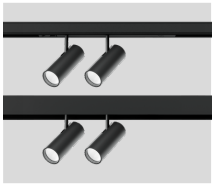
| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 24.5 W | 2700 K | 1980 lm | 81 lm/W | 180-733043 ◪■S |
| | 3000 K | 2060 lm | 84 lm/W | 180-733053 ◪■S |
| | 3500 K | 2110 lm | 86 lm/W | 180-733073 ◪■S |
| | 4000 K | 2150 lm | 88 lm/W | 180-733063 ◪■S |

**MEDIUM** 31°, CRI ≥ 90, DALI-2

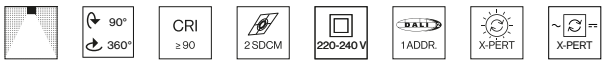
| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 24.5 W | 2700 K | 2000 lm | 82 lm/W | 180-733043 ◪■M |
| | 3000 K | 2080 lm | 85 lm/W | 180-733053 ◪■M |
| | 3500 K | 2130 lm | 87 lm/W | 180-733073 ◪■M |
| | 4000 K | 2180 lm | 89 lm/W | 180-733063 ◪■M |

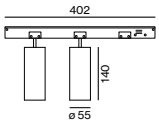
**FLOOD** 37°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 24.5 W | 2700 K | 2010 lm | 82 lm/W | 180-733043 ◪■F |
| | 3000 K | 2090 lm | 85 lm/W | 180-733053 ◪■F |
| | 3500 K | 2140 lm | 87 lm/W | 180-733073 ◪■F |
| | 4000 K | 2190 lm | 89 lm/W | 180-733063 ◪■F |



## **BO 55** intrack 2 lamps




**SPOT** 17°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 41.0 W | 2700 K | 3540 lm | 86 lm/W | 180-734043 ◪■S |
| | 3000 K | 3680 lm | 90 lm/W | 180-734053 ◪■S |
| | 3500 K | 3760 lm | 92 lm/W | 180-734073 ◪■S |
| | 4000 K | 3840 lm | 94 lm/W | 180-734063 ◪■S |

## Order options

| COLOUR ◪ | | CONVERTER ■ | |
|---|---|---|---|
| traffic white RAL 9016 | 7 | traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 | jet black RAL 9005 | 8 |
| special colours | X | | |

**MEDIUM** 31°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 41.0 W | 2700 K | 3580 lm | 87 lm/W | 180-734043 ◪■ M |
| | 3000 K | 3720 lm | 91 lm/W | 180-734053 ◪■ M |
| | 3500 K | 3800 lm | 93 lm/W | 180-734073 ◪■ M |
| | 4000 K | 3880 lm | 95 lm/W | 180-734063 ◪■ M |

**FLOOD** 37°, CRI ≥ 90, DALI-2

| SYSTEM | COLOUR TEMP. | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 41.0 W | 2700 K | 3600 lm | 88 lm/W | 180-734043 ◪■ F |
| | 3000 K | 3740 lm | 91 lm/W | 180-734053 ◪■ F |
| | 3500 K | 3820 lm | 93 lm/W | 180-734073 ◪■ F |
| | 4000 K | 3920 lm | 96 lm/W | 180-734063 ◪■ F |

## Optical accessories




**HONEYCOMB LOUVER** for BO 32 | JUST 32 | MOVE IN 32 | TARO 32 | TILA 32

| COLOUR | Ø·H (mm) | ORDER CODE |
|---|---|---|
| jet black | 30·3 | 007-1965168 |




**HONEYCOMB LOUVER** for ARY | BO 45 | JUST 45 | MOVE IN 45 | TARO 45 | TULA micro

| COLOUR | Ø·H (mm) | ORDER CODE |
|---|---|---|
| jet black | 42·3 | 007-1965188 |




**HONEYCOMB LOUVER** for BO 55 | JUST 55 | SASSO 100

| COLOUR | Ø·H (mm) | ORDER CODE |
|---|---|---|
| jet black | 50·3 | 007-1965598 |




**OVAL LENS** for BO 32 | MOVE IN 32 | TARO 32 | TILA 32

| Ø·H (mm) | ORDER CODE |
|---|---|
| 30·7 | 007-1965860 |




**OVAL LENS** for BO 45 | JUST 45 | MOVE IN 45 | TARO 45 | TULA micro

| Ø·H (mm) | ORDER CODE |
|---|---|
| 42·7 | 007-1965880 |

**OVAL LENS** for BO 55 | JUST 55

| Ø·H (mm) | ORDER CODE |
|---|---|
| 50·3 | 007-1965890 |

**Order options**

| COLOUR ◪ | |
|---|---|
| traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 |
| special colours | X |

| CONVERTER ■ | |
|---|---|
| traffic white RAL 9016 | 7 |
| jet black RAL 9005 | 8 |




**SOFT LENS** for BO 32 | MOVE IN 32 | TARO 32 | TILA 32

| Ø·H (mm) | ORDER CODE |
|---|---|
| 30·7 | 007 - 1965960 |




**SOFT LENS** for ARY | BO 45 | JUST 45 | MOVE IN 45 | TARO 45 | TULA micro

| Ø·H (mm) | ORDER CODE |
|---|---|
| 42·7 | 007 - 1965980 |

**SOFT LENS** for BO 55 | JUST 55

| Ø·H (mm) | ORDER CODE |
|---|---|
| 50·3 | 007 - 1965990 |




**WALLWASHER LENS** for BO 32 | MOVE IN 32 | TARO 32 | TILA 32

| Ø·H (mm) | ORDER CODE |
|---|---|
| 30·7 | 007 - 1965760 |




**WALLWASHER LENS** for ARY | BO 45 | JUST 45 | MOVE IN 45 | TARO 45 | TULA micro

| Ø·H (mm) | ORDER CODE |
|---|---|
| 42·7 | 007 - 1965780 |

**WALLWASHER LENS** for BO 55 | JUST 55

| Ø·H (mm) | ORDER CODE |
|---|---|
| 50·3 | 007 - 1965790 |

# Office Tengbom, Stockholm

Suède

**Architecte**
Tengbom

**Lighting Design**
Ljusrum

**Photographe**
Felix Gerlach



**Produits utilisés**



**MINO 60 ceiling / suspended system**



**BO 32 / 45 / 55 intrack 1 | 2 | 3 lamps**

No liability is assumed for typographical or printing errors.
© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com

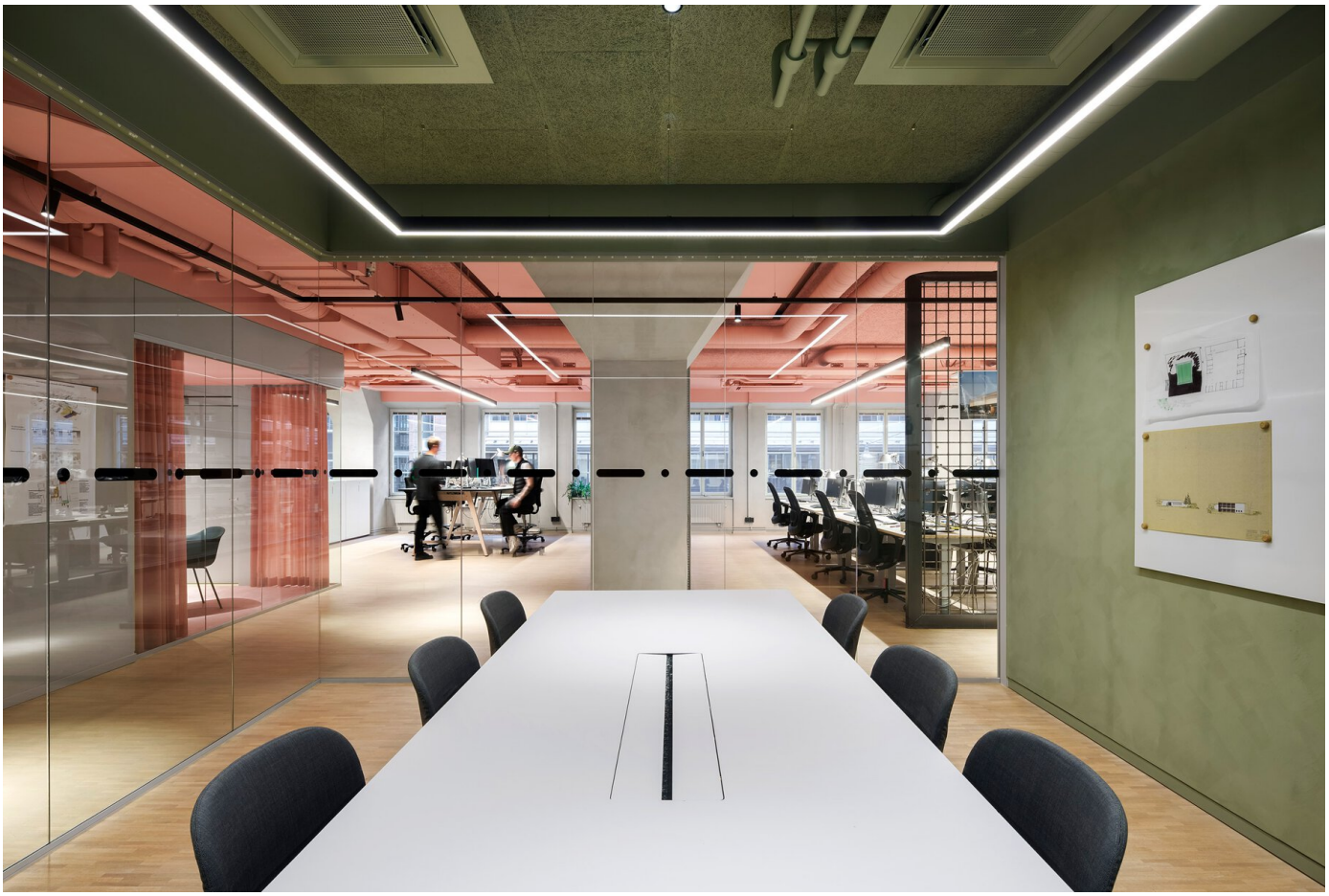













001
006
011
002
007
012
003
008
013
004
009
014
005
010
015