



Project / Type

Notes

Count / Date



## General

Ceiling , Track

tilt max 310°

rotation 360°

black , RAL 9005 <sup>1</sup>

IP20

957<sup>2</sup>, 979<sup>3</sup>, 1030<sup>4</sup>, 1050<sup>5</sup>, 1090<sup>6</sup>, 1090<sup>7</sup> lm

## LED

4000 K

CRI ≥ 90

L85 / 50000 h

initial MacAdam ≤ 2 SDCM

R<sub>g</sub>: 94 , R<sub>f</sub>: 87 , R<sub>(f-l-15)</sub>: 90

MR 0.86

MDER 0.78

## Optical

wide flood<sup>2</sup>, medium<sup>3</sup>, flood<sup>4</sup>, flood<sup>5</sup>, super spot<sup>6</sup>, spot<sup>7</sup>

beam angle 64°<sup>2</sup>, 30°<sup>3</sup>, 38°<sup>4</sup>, 40°<sup>5</sup>, 10°<sup>6</sup>, 19°<sup>7</sup>

PstLM ≤ 1.0<sup>6 2 7 5 4 3 8</sup>

SVM ≤ 0.4<sup>6 2 7 5 4 3 8</sup>

## Electrical

DIM POT1

220-240 V

system 14.7 W

system 65<sup>2</sup>, 67<sup>3</sup>, 70<sup>4</sup>, 71<sup>5</sup>, 74<sup>6</sup>, 74<sup>7</sup> lm/W<sup>9</sup>

PC1

## Physical

diameter 70 mm

height 98 mm

0.92 kg

tool-free fixation

Track light made of die-cast aluminium; surface black powder coated; 360° rotatable and 310° tiltable; converter installed in aluminium spotlight housing; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 4000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. exchangeable additional lenses; precise radiation characteristics with different beam angles; optical filter available as accessory; degree of protection IP20; PC1; 220-240 V; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter fixation without tools by means of knurled screw; incl. converter, dimmable with integrated potentiometer; point outlet, either in surface mounted housing or recessed housing, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

<sup>1</sup> RAL code <sup>2</sup> 64 degrees <sup>3</sup> 30 degrees <sup>4</sup> 38 degrees

<sup>5</sup> 40 degrees <sup>6</sup> 10 degrees <sup>7</sup> 19 degrees

<sup>8</sup> Value of containing product at full load (undimmed)

<sup>9</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

## Installation instructions



## Lighting calculator





Project / Type \_\_\_\_\_

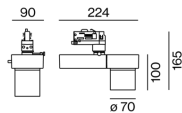
Notes \_\_\_\_\_

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Light distribution



Product drawing



super spot 10°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 25600    | 0.18  |
| 2     | 6400     | 0.36  |
| 3     | 2800     | 0.53  |
| 4     | 1600     | 0.71  |
| 5     | 1000     | 0.89  |

spot 19°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 6650     | 0.33  |
| 2     | 1660     | 0.65  |
| 3     | 740      | 0.98  |
| 4     | 420      | 1.31  |
| 5     | 270      | 1.63  |

medium 30°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 2220     | 0.54  |
| 2     | 560      | 1.08  |
| 3     | 250      | 1.63  |
| 4     | 140      | 2.17  |
| 5     | 90       | 2.71  |

flood 38°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 1830     | 0.69  |
| 2     | 460      | 1.37  |
| 3     | 200      | 2.06  |
| 4     | 110      | 2.75  |
| 5     | 70       | 3.43  |

flood 40°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 1870     | 0.72  |
| 2     | 470      | 1.44  |
| 3     | 210      | 2.16  |
| 4     | 120      | 2.88  |
| 5     | 70       | 3.60  |

wide flood 64°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 790      | 1.24  |
| 2     | 198      | 2.48  |
| 3     | 88       | 3.72  |
| 4     | 49       | 4.96  |
| 5     | 32       | 6.19  |