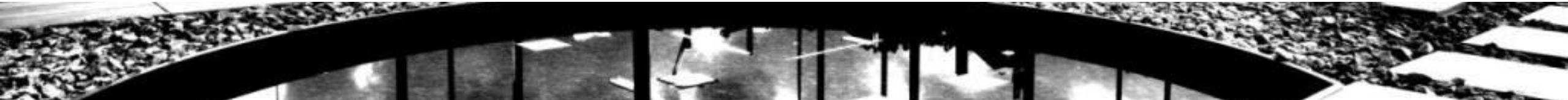
LEVO3(L)/RNM(L)/REM MODULE | OPTICS OVERVIEW

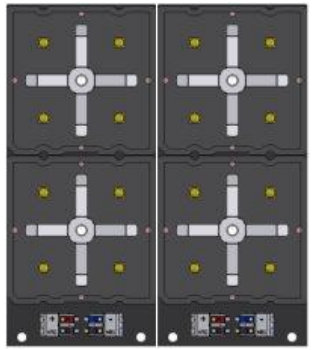
Hess GmbH Licht + Form



LED-MODUL

LEVO3(L)/RNM(L)

- Rectangular aluminium core circuit board with 8 high power LEDs in a grid pattern
- 8x Osram Oslon Square
- PMMA cluster optics and thermal conductive pad
- 17 different optics
- Max. 5 SDCM
- Hess:
  min. CRI 80 (2700K/3000K/4000K)
  min. CRI 40 (1800K)
- Vulkan:
  min. CRI 70 (2700K/3000K/4000K)
  min. CRI 40 (1800K)



2x LEVO3 Board

2x 8 LED

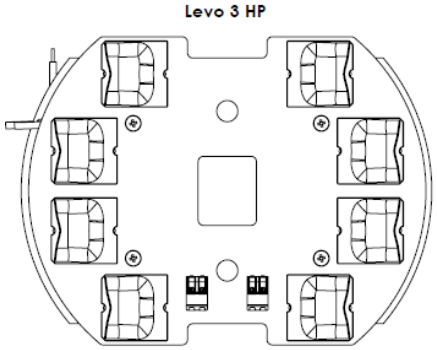
≙ LEVO3 28W

LEVO3 28W
O8-Optic

LED-MODUL

LEVO3 HP

- Round aluminium core circuit board with 8 high power LEDs in a circle arrangement
- 8x Cree Xlamp XHP50.2
- PMMA single optics
- 8 different optics
- Max. 5 SDCM
- min. CRI 80 (2700K/3000K/4000K)



LEVO3 HP Board

8 LEDs

≙ LEVO3 HP 50W

LEVO3

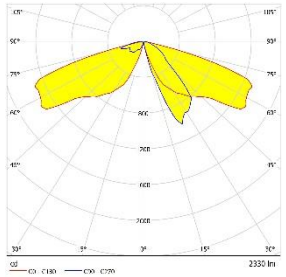
Optics Overview | Pole Top Mounted Luminaires

Mounting Height 4,5m

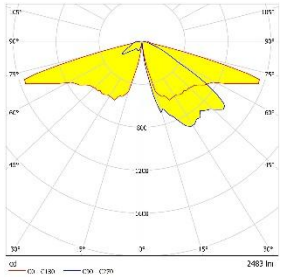
LEVO3

Optics Overview | Pole Top Mounted Luminaires

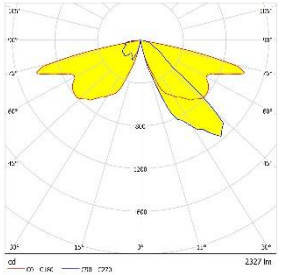
LEVO3 O1



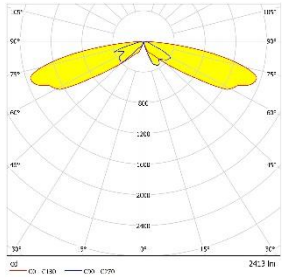
LEVO3 O2



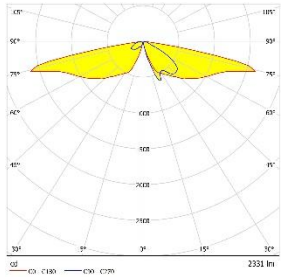
LEVO3 O3



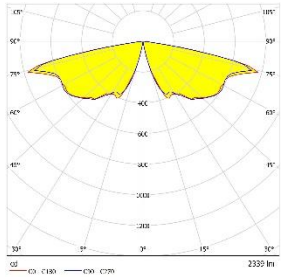
LEVO3 O4



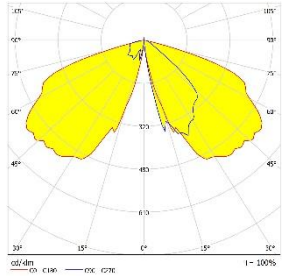
LEVO3 O7



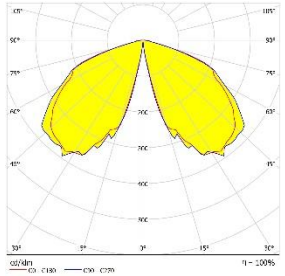
LEVO3 O8



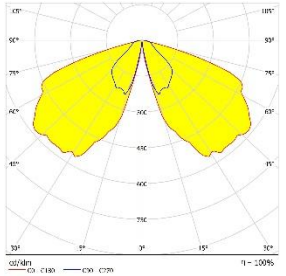
LEVO3 O17



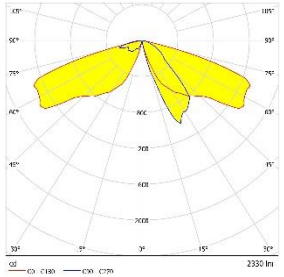
LEVO3 O18



LEVO3 O19

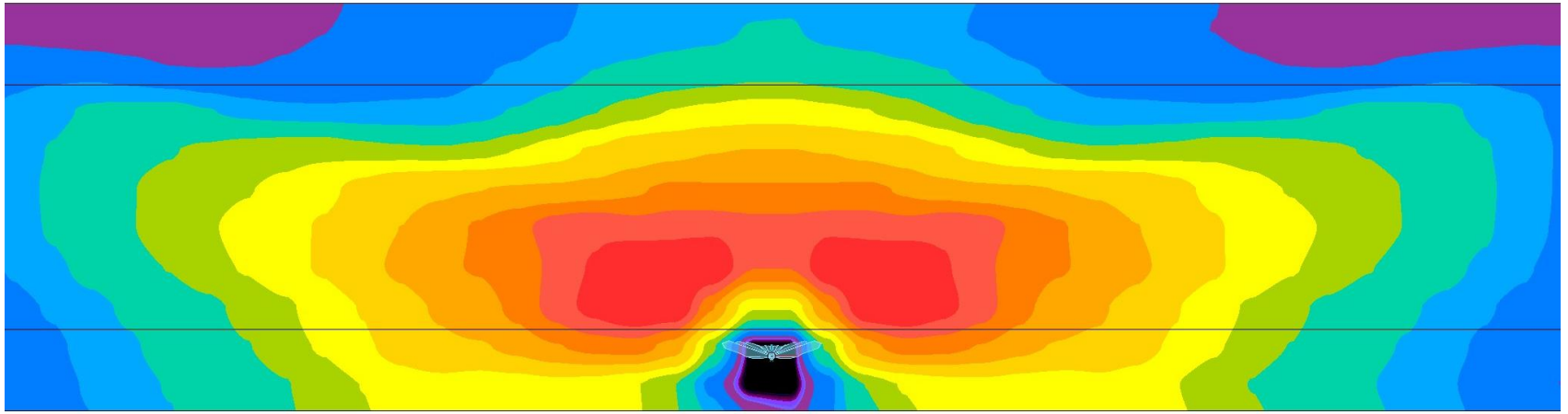


LEVO3 O1
Flux-Code CIE Nr. 3>95 %



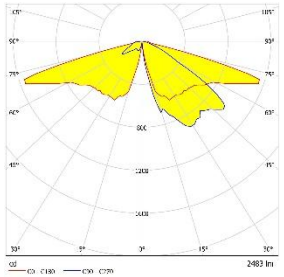
Light distribution:
Asymmetrical,
optimised for luminance

Characteristic:
For main road illumination



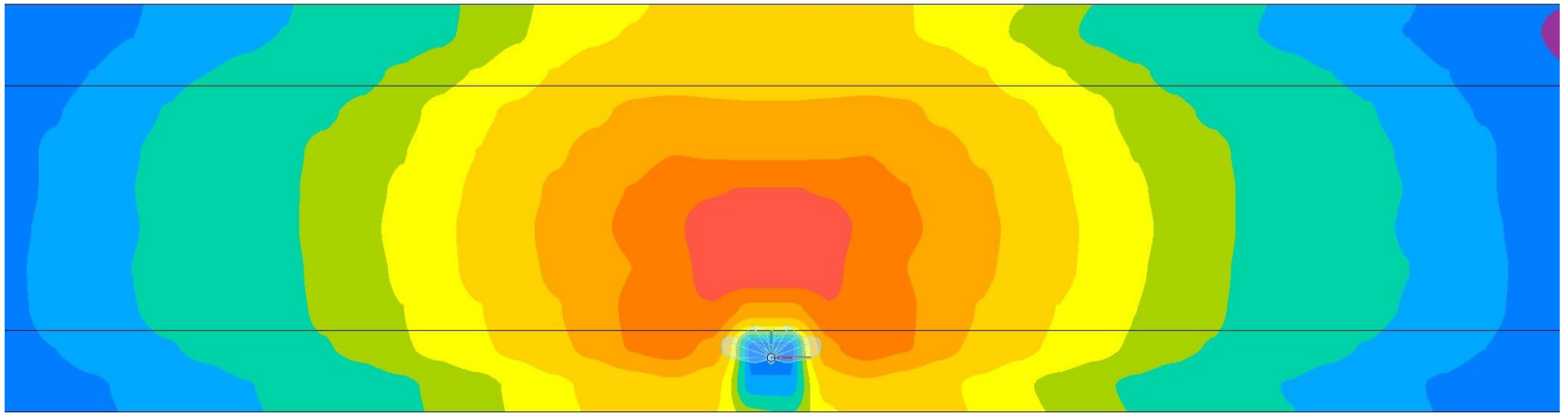
Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m

LEVO3 O2



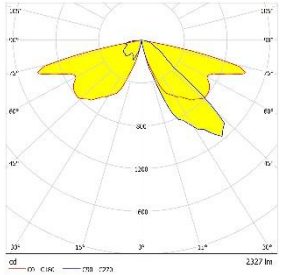
Light distribution:
Asymmetrical, optimised for illuminance

Characteristic:
For main road illumination



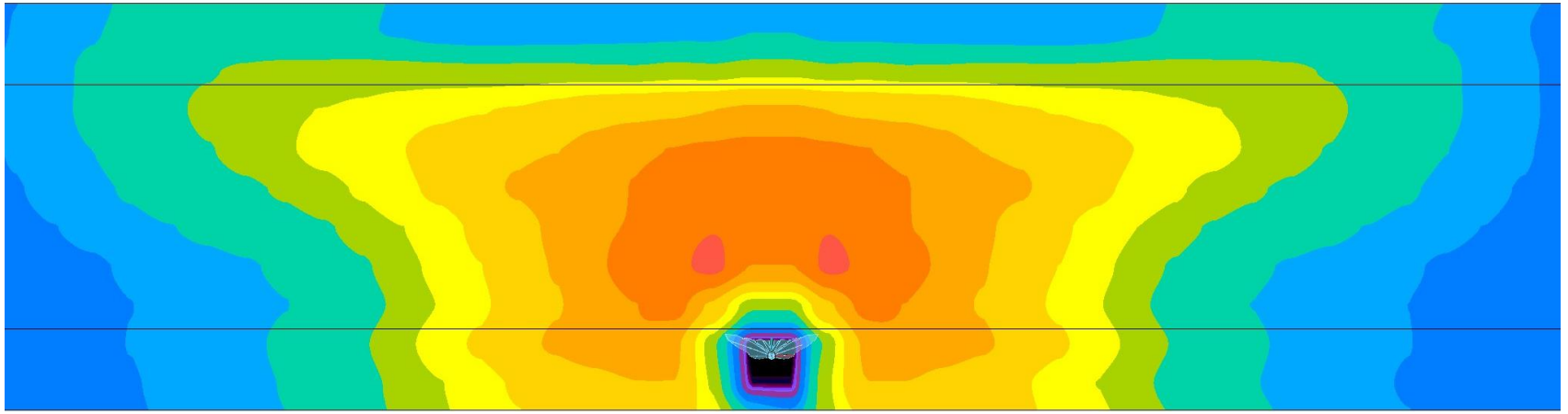
Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m

LEVO3 O3



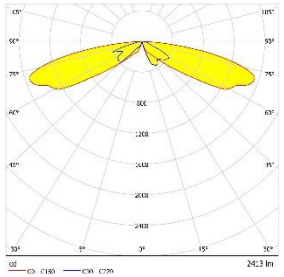
Light distribution:
Asymmetrical,
optimised for illuminance

Characteristic:
For main road illumination



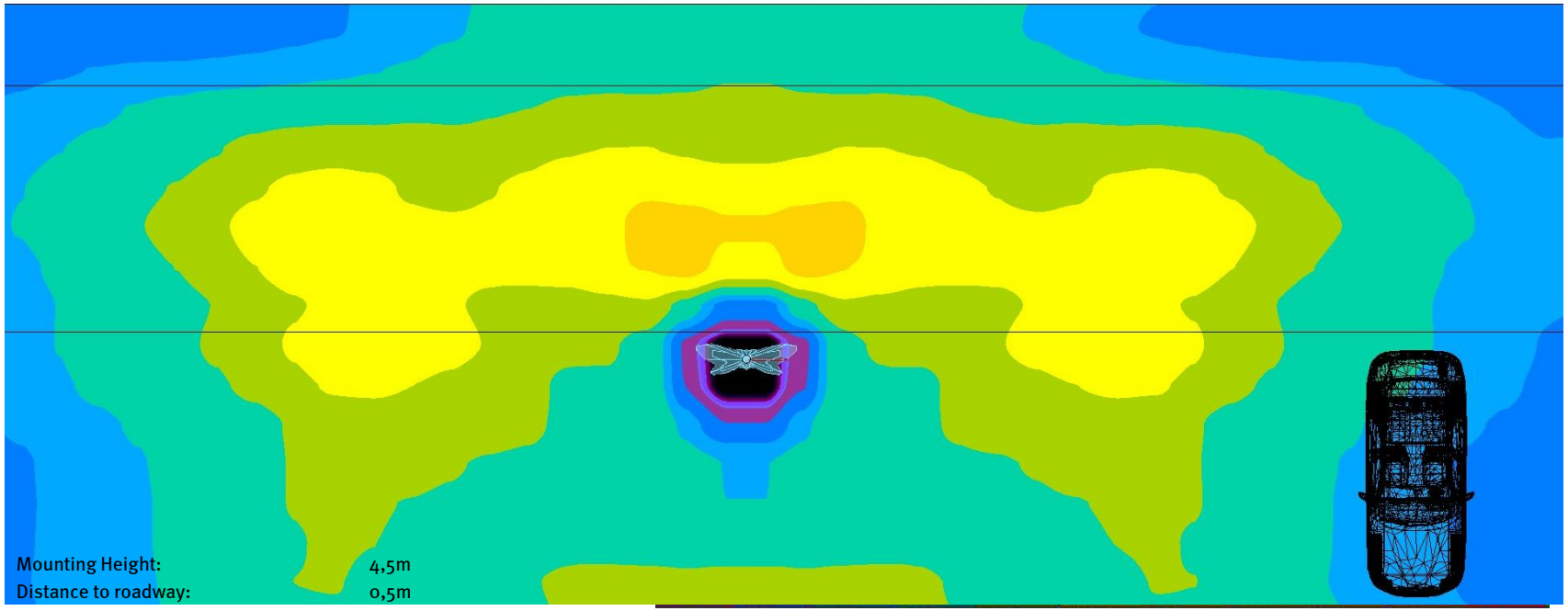
Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m

LEVO3 O4



Light distribution:
Asymmetrical wide

Characteristic:
Characteristic: For foot and cycle path illumination

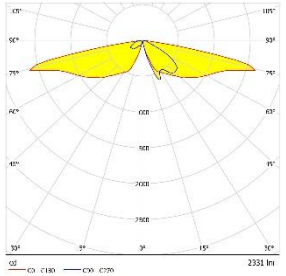


Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m & 5,0m

LEVO3

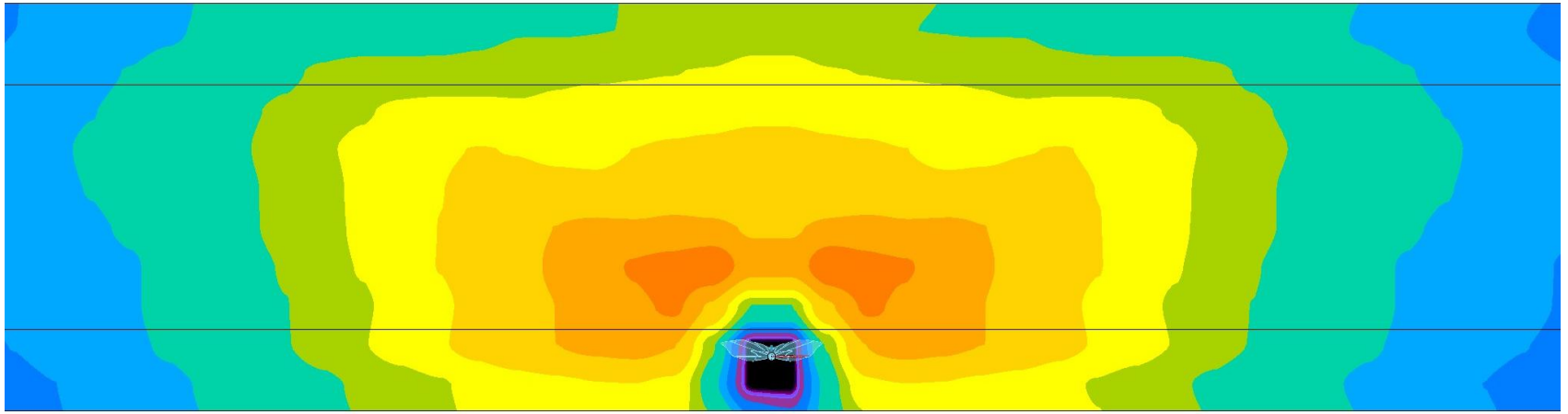
Optics Overview | Pole Top Mounted Luminaires

LEVO3 07



Light distribution:
Asymmetrical wide for luminance of up to 0,5 cd/m²

Characteristic:
For main and residential road illumination

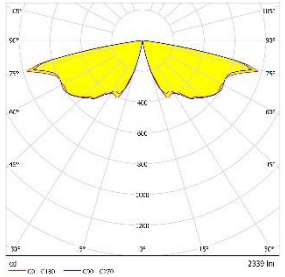


Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m

LEVO3

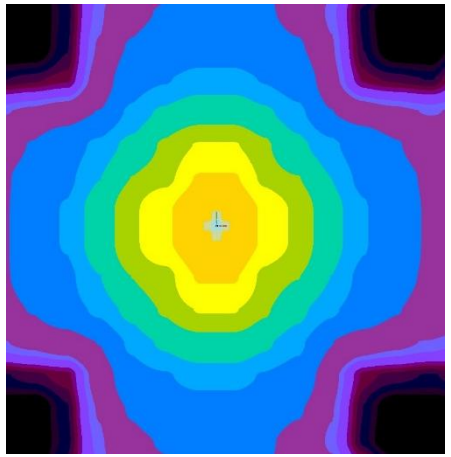
Optics Overview | Pole Top Mounted Luminaires

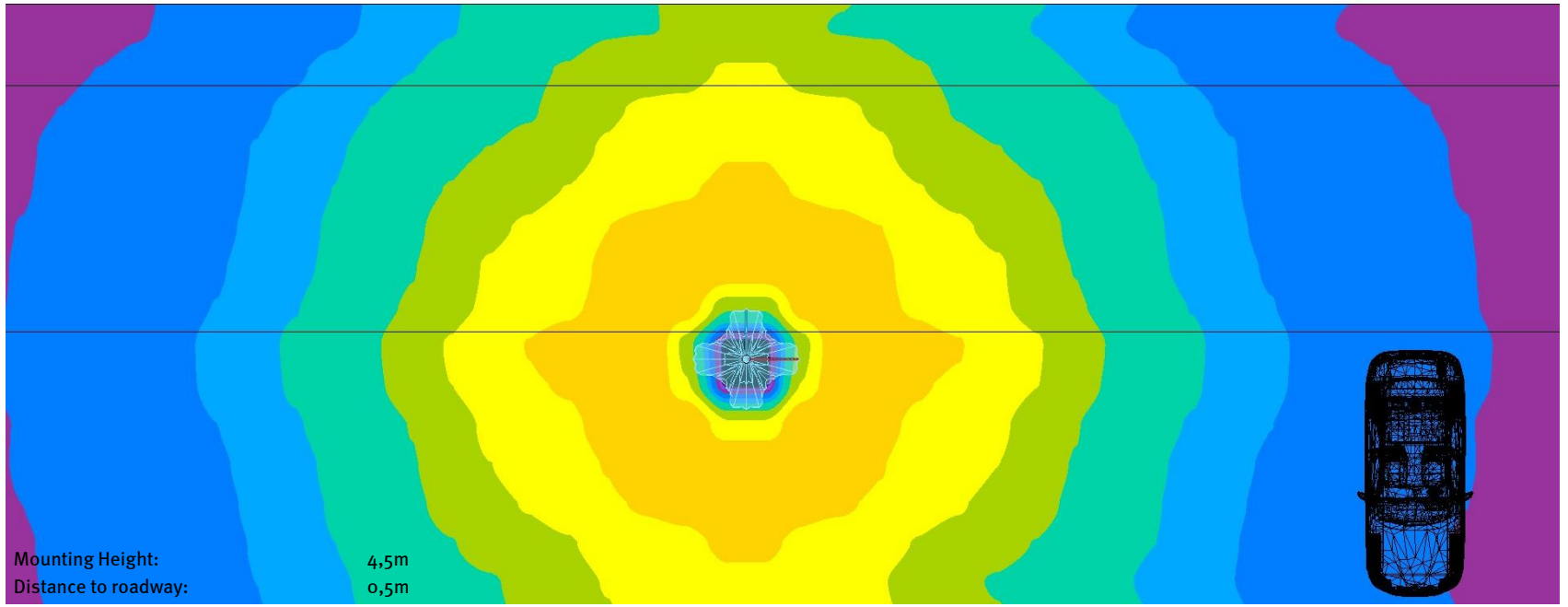
LEVO3 O8



Light distribution:
Rotationally symmetric

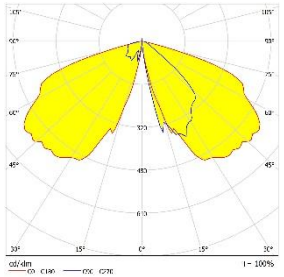
Characteristic:
For place illumination





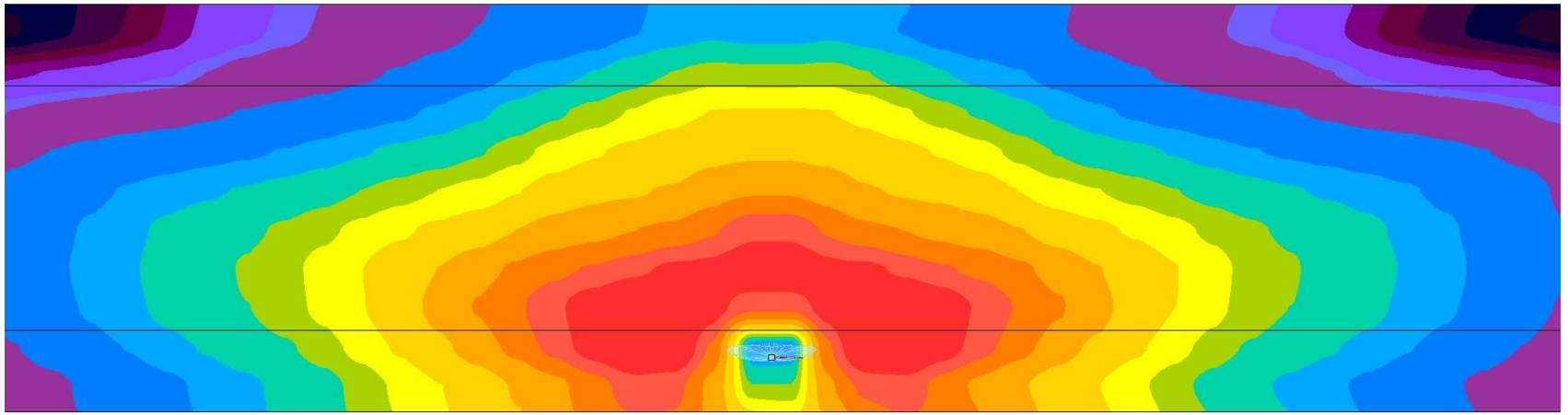
Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m & 5,0m

LEVO3 O17
Flux-Code CIE Nr. 3>95 %



Light distribution:
Asymmetrical wide

Characteristic:
For main and residential road illumination



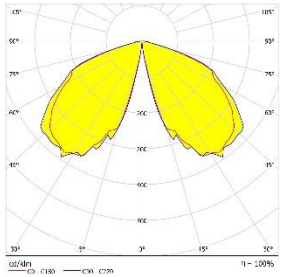
Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m

LEVO3

Optics Overview | Pole Top Mounted Luminaires

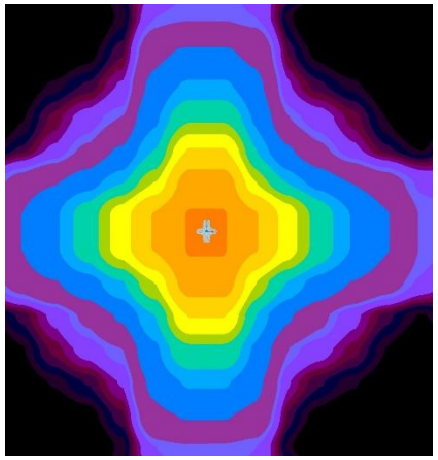
LEVO3 O18

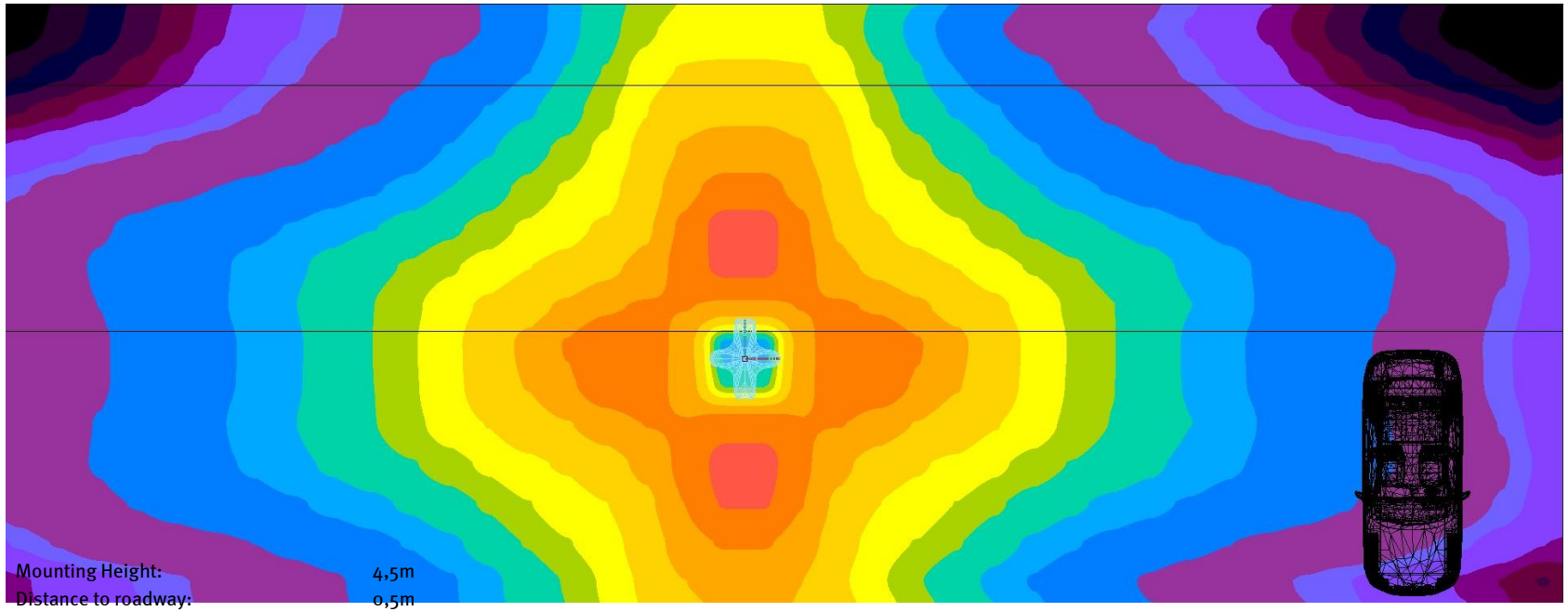
Flux-Code CIE Nr. 3>95 %



Light distribution:
Rotationally symmetric

Characteristic:
For place illumination





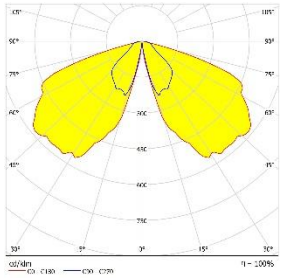
Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m & 5,0m

LEVO3

Optics Overview | Pole Top Mounted Luminaires

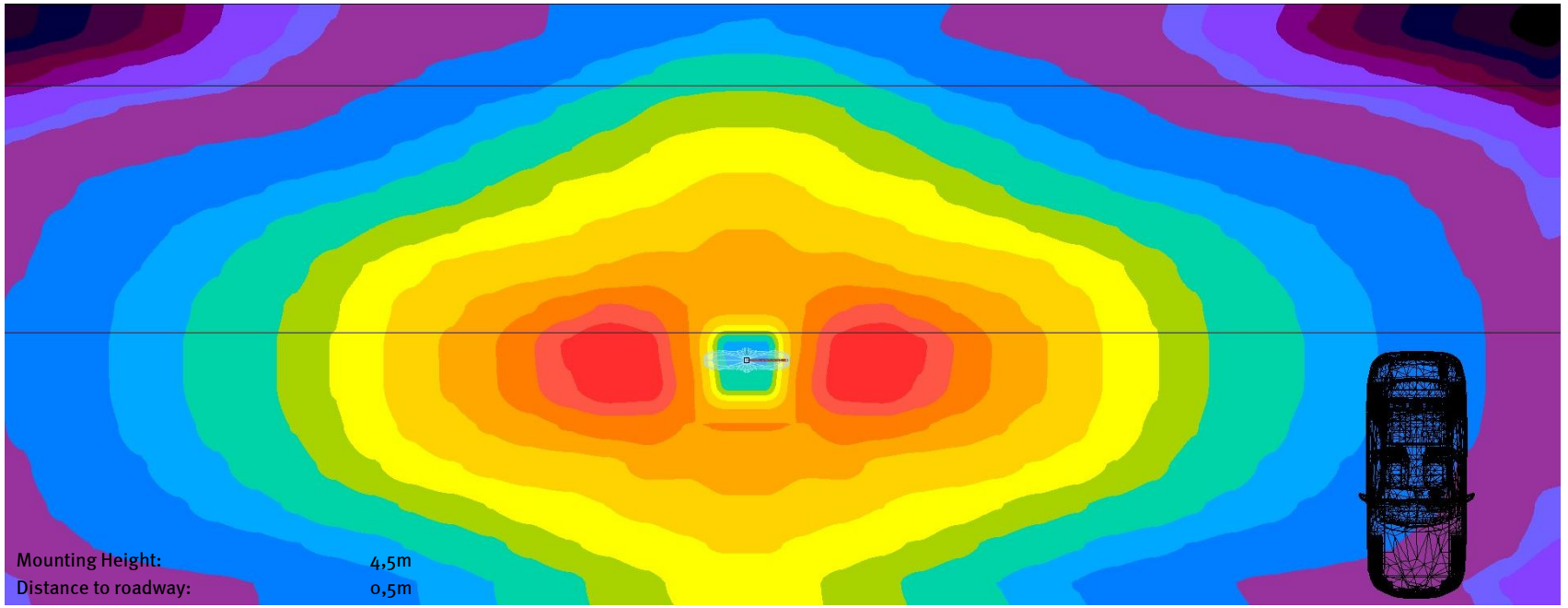
LEVO3 O19

Flux-Code CIE Nr. 3>95 %



Light distribution:
Axially symmetric wide

Characteristic:
For main road illumination

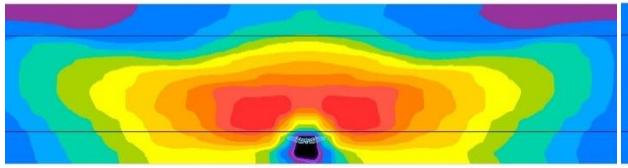


Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m & 5,0m

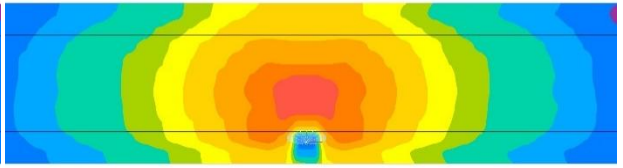
LEVO3

Optics Overview | Pole Top Mounted Luminaires

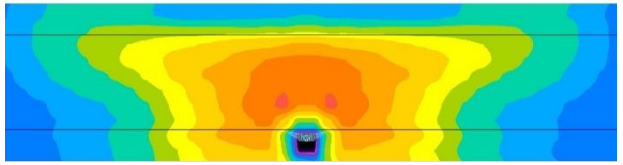
LEVO3 O1



LEVO3 O2

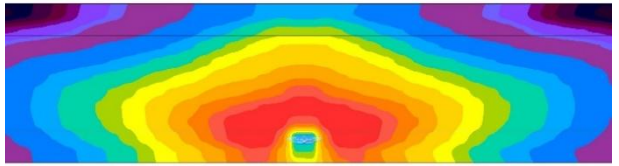


LEVO3 O3



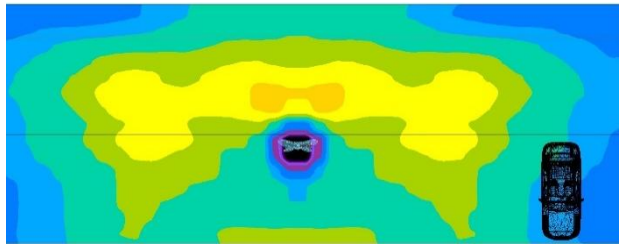
LEVO3 O7

LEVO3 O17

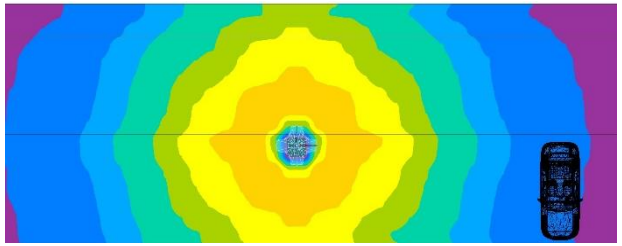


Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m

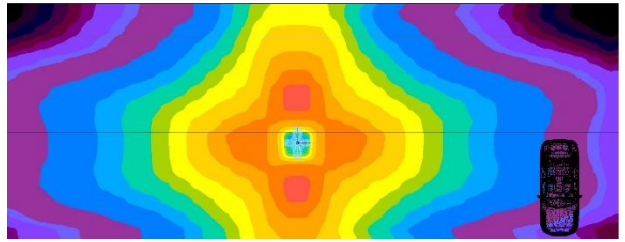
LEVO3 O4



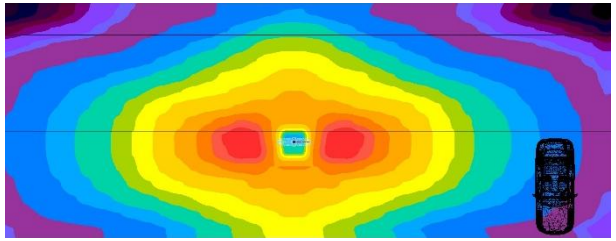
LEVO3 O8



LEVO3 O18



LEVO3 O19



Mounting Height:	4,5m
Distance to roadway:	0,5m
Width of roadway:	4,5m
Width of walkway:	1,5m & 5,0m

LEVO3 HP

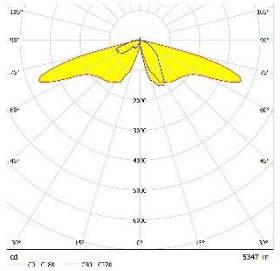
Optics Overview | Illuminating columns (CITY ELEMENTS AR & AA elements)

Mounting Height 6m

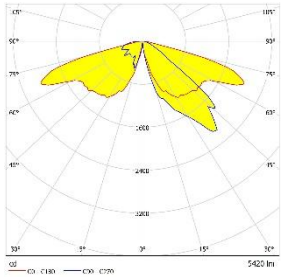
LEVO3

Optics Overview | Illuminating columns (CITY ELEMENTS AR elements)

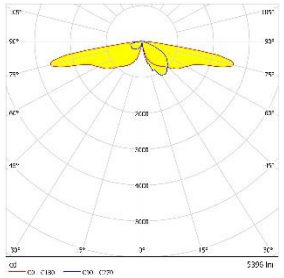
LEVO3 O1



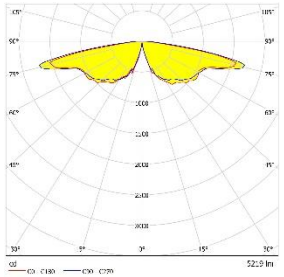
LEVO3 O3



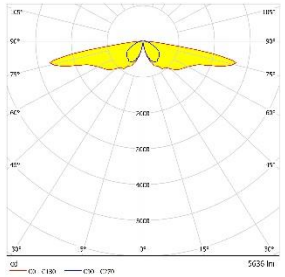
LEVO3 O7



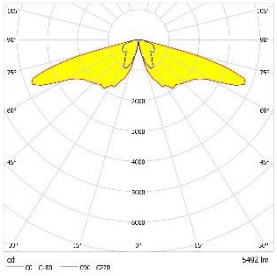
LEVO3 O8



LEVO3 O9



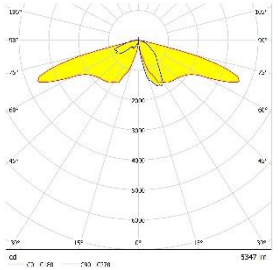
LEVO3 O10



LEVO3 HP

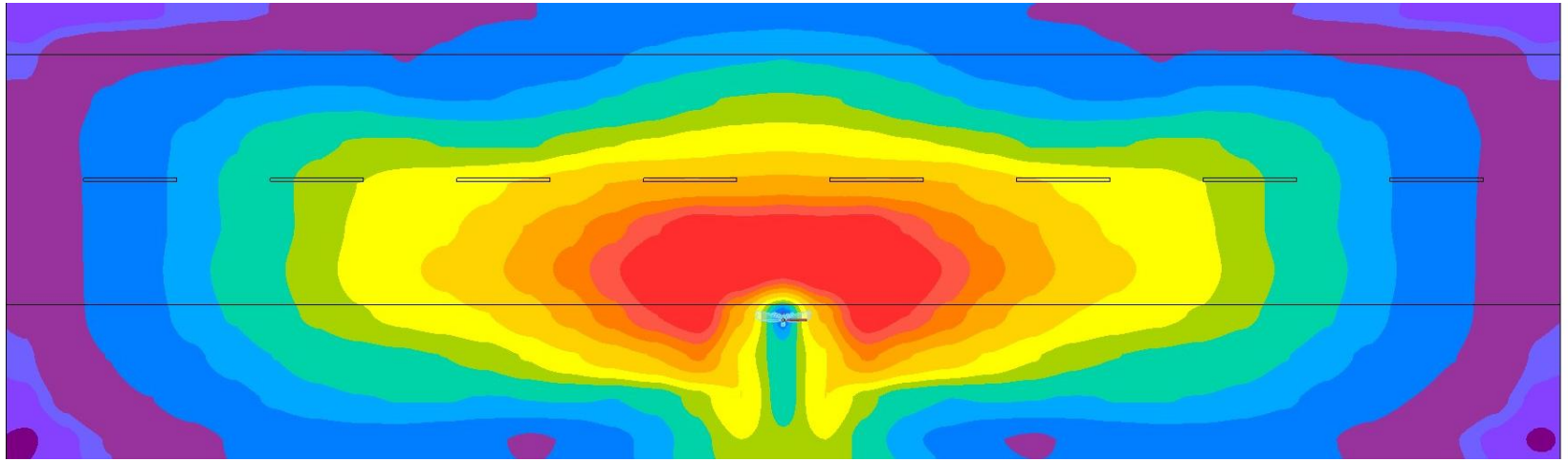
Optics Overview | Illuminating columns (CITY ELEMENTS AR elements)

LEVO3 O1



Light distribution:
Asymmetrical,
optimised for luminance

Characteristic:
For main road illumination

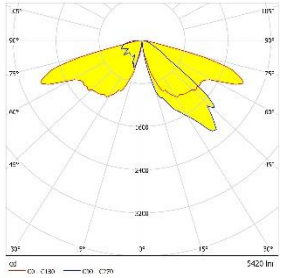


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 HP

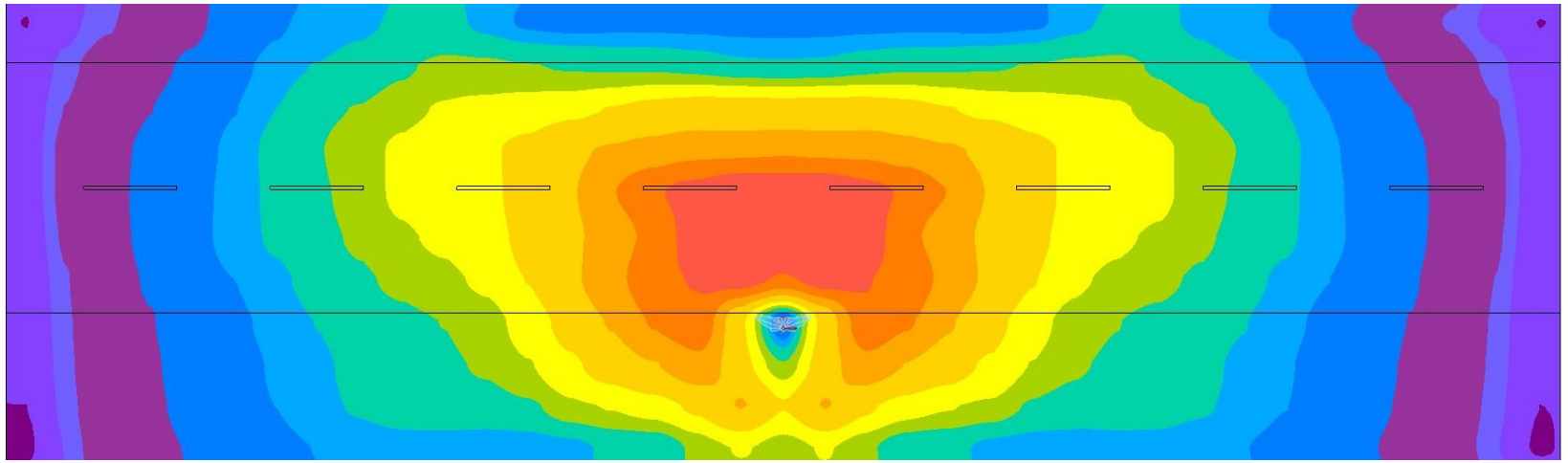
Optics Overview | Illuminating columns (CITY ELEMENTS AR elements)

LEVO3 O3



Light distribution:
Asymmetrical,
optimised for illuminance

Characteristic:
For main road illumination

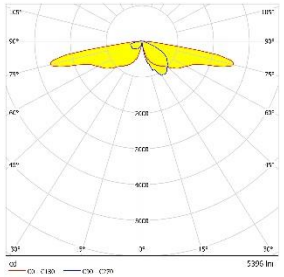


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 HP

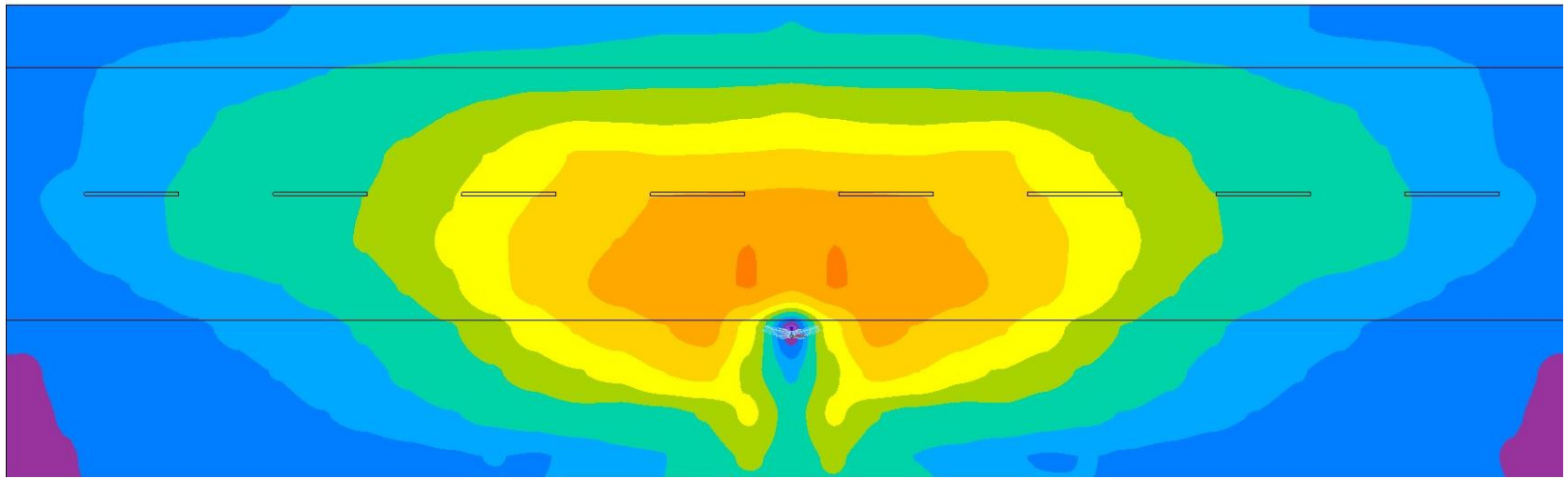
Optics Overview | Illuminating columns (CITY ELEMENTS AR elements)

LEVO3 O7



Light distribution:
Asymmetrical wide for luminance of up to 0,5 cd/m²

Characteristic:
For main and residential road illumination

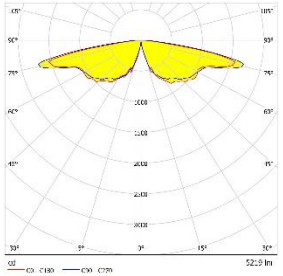


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 HP

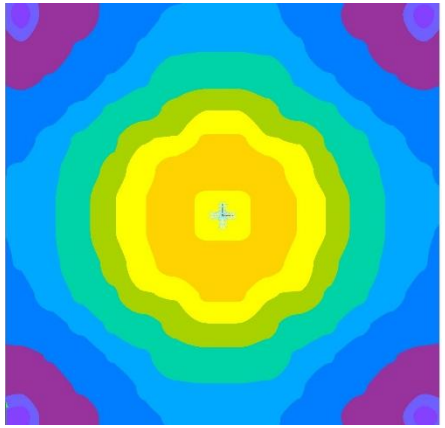
Optics Overview | Illuminating columns (CITY ELEMENTS AR elements)

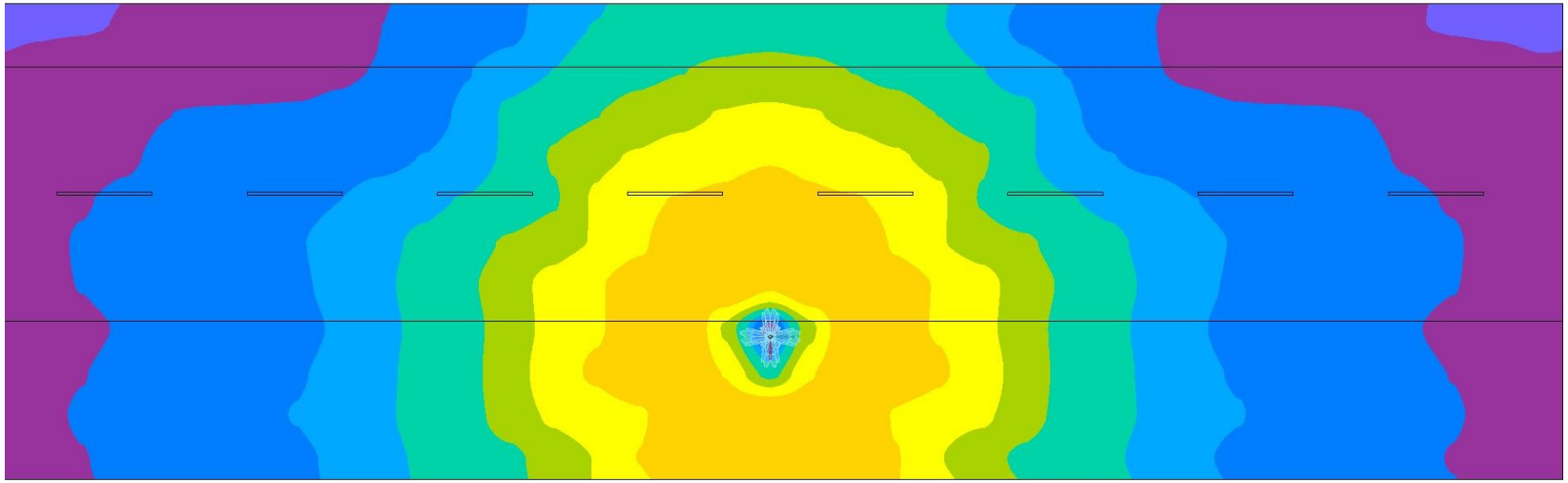
LEVO3 O8



Light distribution:
Rotationally symmetric

Characteristic:
For place illumination



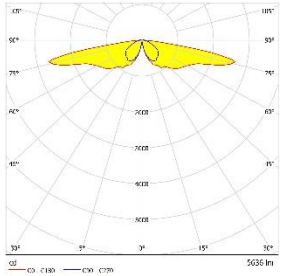


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 HP

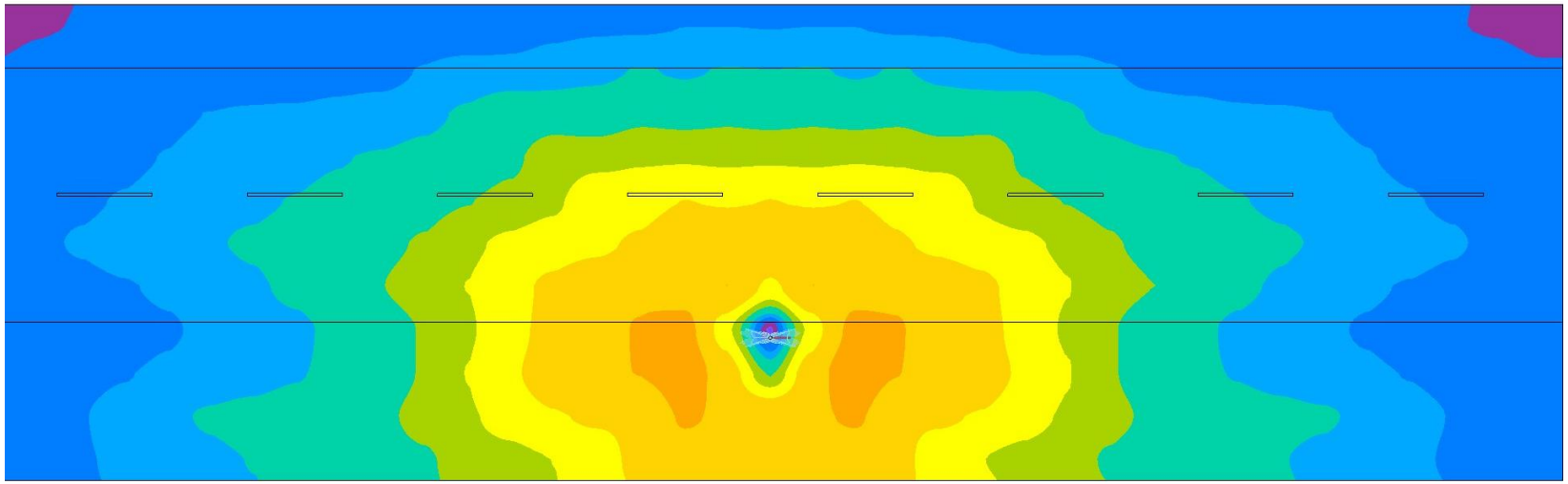
Optics Overview | Illuminating columns (CITY ELEMENTS AR elements)

LEVO3 O9



Light distribution:
Axially symmetrical

Characteristic:
For main road or pedestrian zone illumination

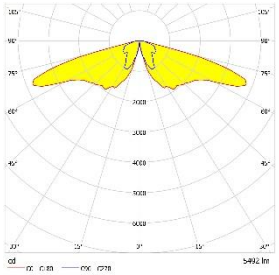


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 HP

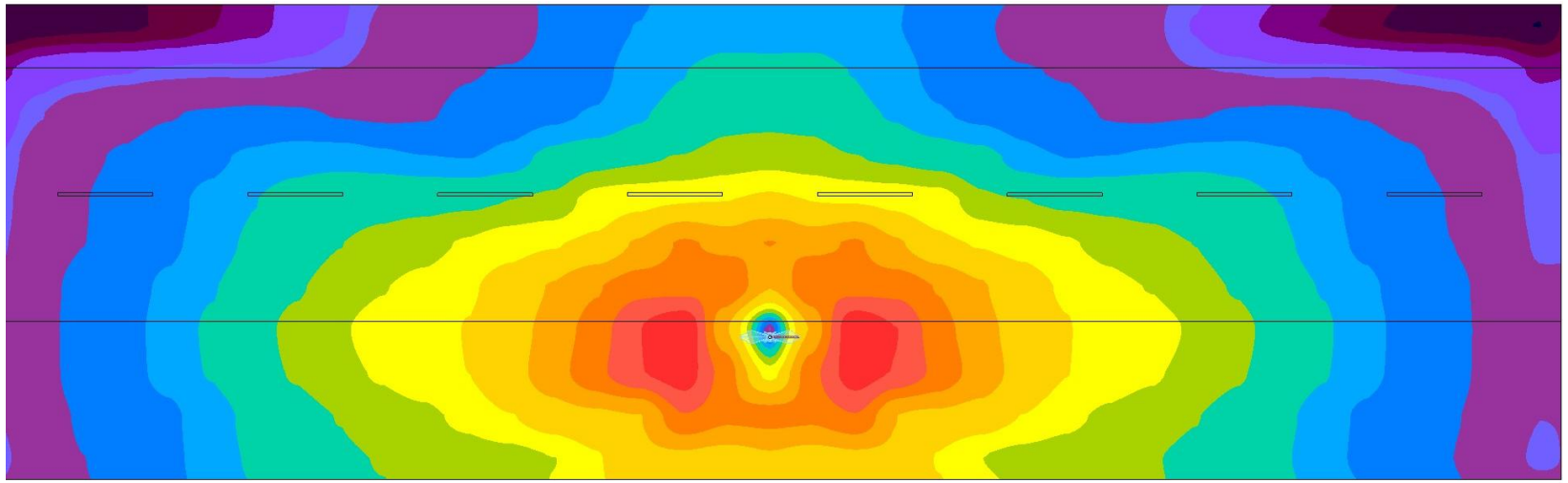
Optics Overview | Illuminating columns (CITY ELEMENTS AR elements)

LEVO3 O10



Light distribution:
Axially symmetric wide

Characteristic:
For main road illumination

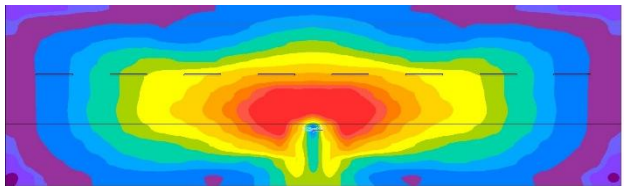


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

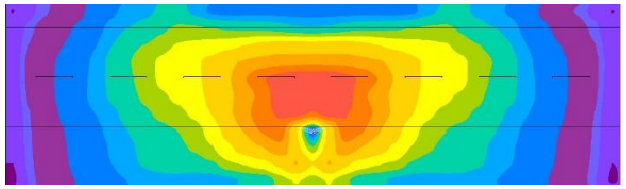
LEVO3 HP

Optics Overview | Illuminating columns (CITY ELEMENTS AR elements)

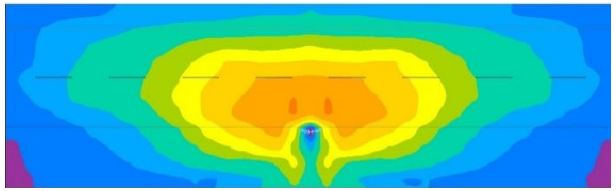
LEVO3 O1



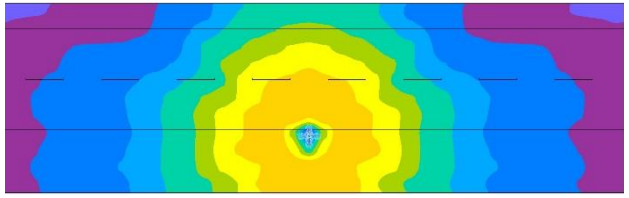
LEVO3 O3



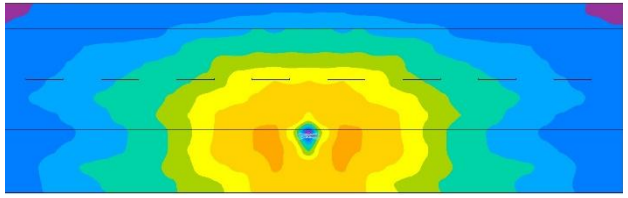
LEVO3 O7



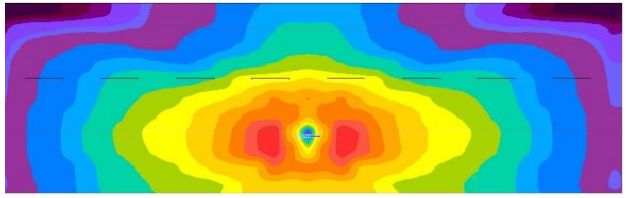
LEVO3 O8



LEVO3 O9



LEVO3 O10

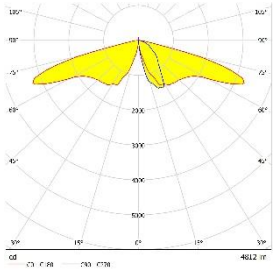


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 HP

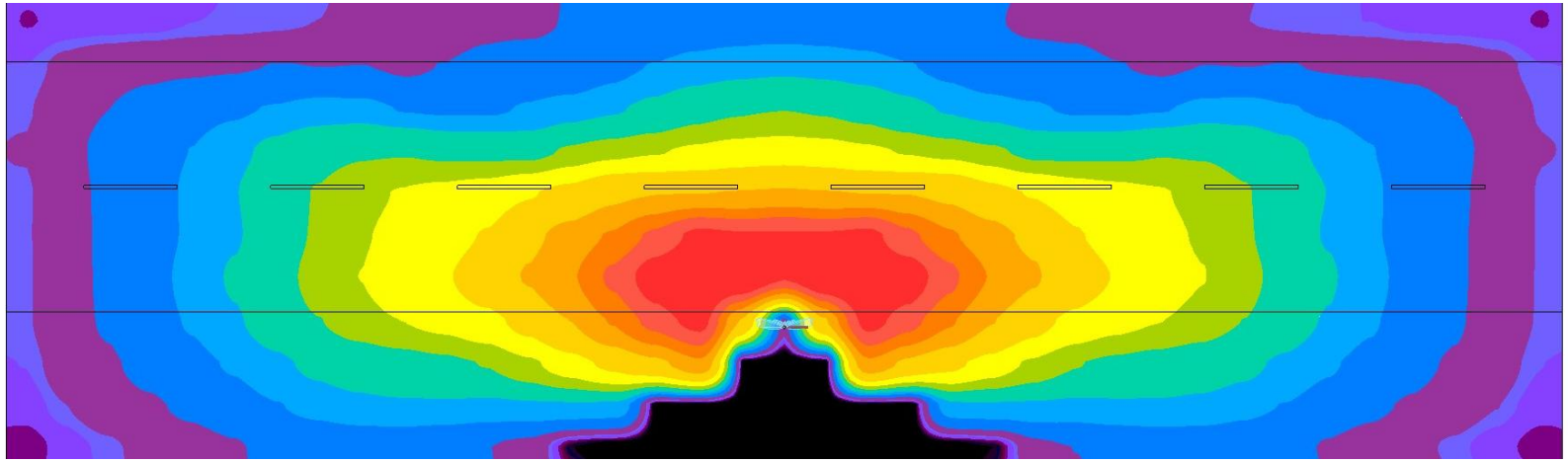
Optics Overview | Illuminating columns (CITY ELEMENTS AA elements)

LEVO3 O1



Lichtverteilung:
Asymmetrisch,
optimiert für Leuchtdichte

Charakteristik:
Zur Beleuchtung von
Hauptverkehrsstraßen

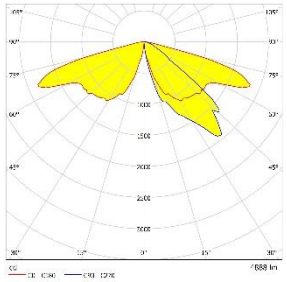


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 HP

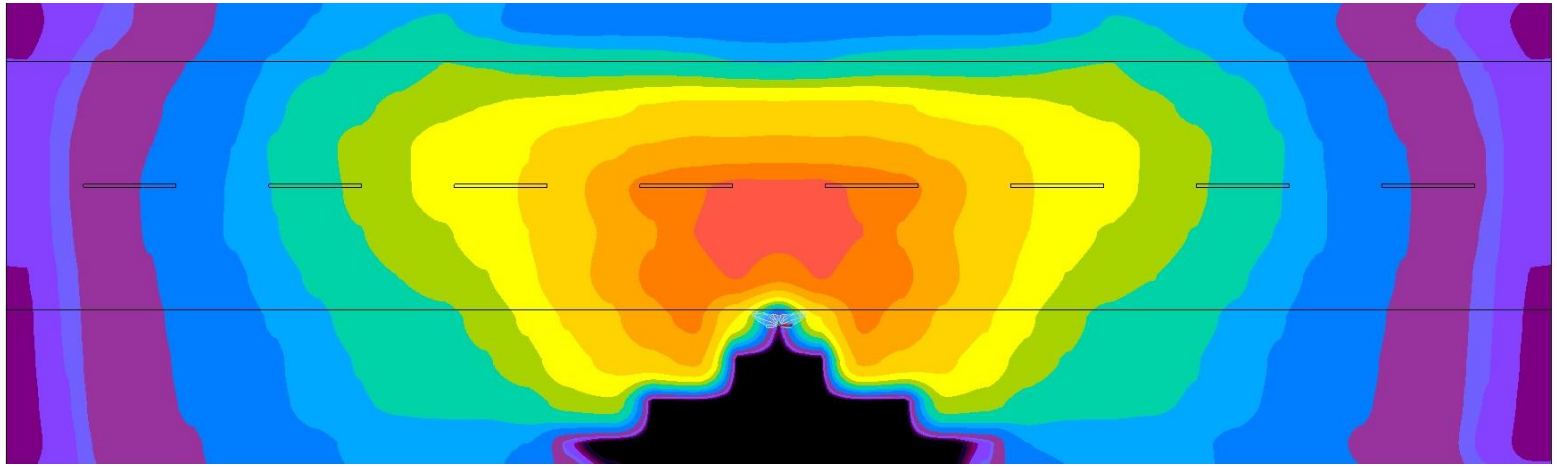
Optics Overview | Illuminating columns (CITY ELEMENTS AA elements)

LEVO3 O3



Lichtverteilung:
Asymmetrisch,
optimiert für Leuchtdichte

Charakteristik:
Zur Beleuchtung von
Hauptverkehrsstraßen

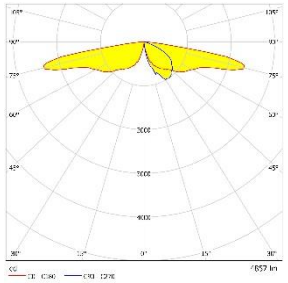


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 HP

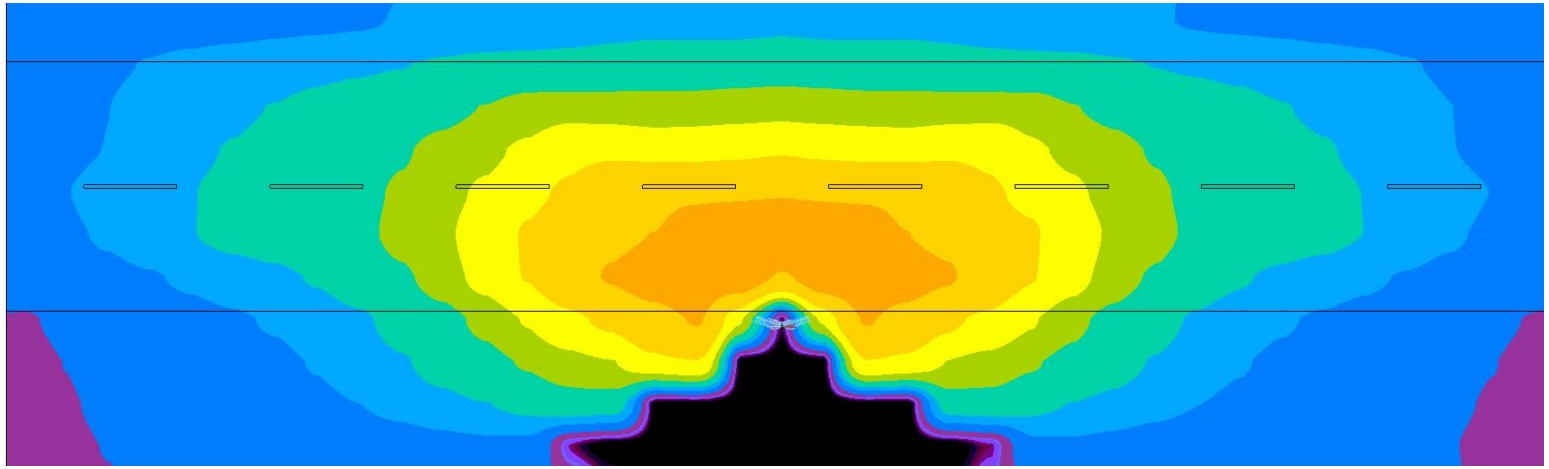
Optics Overview | Illuminating columns (CITY ELEMENTS AA elements)

LEVO3 O7



Lichtverteilung:
Asymmetrisch,
optimiert für Leuchtdichte

Charakteristik:
Zur Beleuchtung von
Hauptverkehrsstraßen

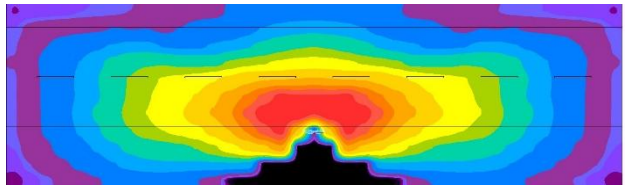


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

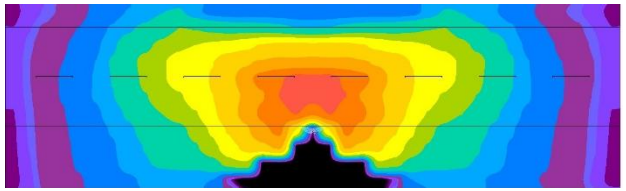
LEVO3 HP

Optics Overview | Illuminating columns (CITY ELEMENTS AA elements)

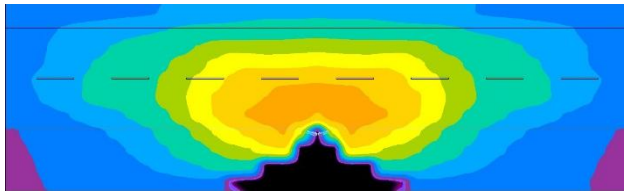
LEVO3 O1



LEVO3 O3



LEVO3 O7

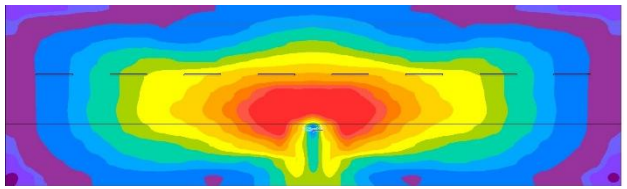


Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

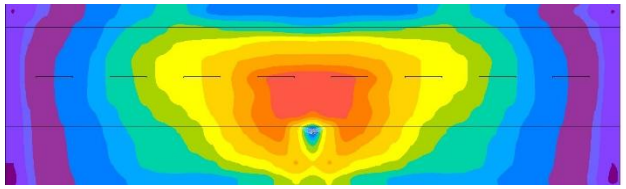
LEVO3 HP

Optics Overview | Illuminating columns (CITY ELEMENTS AR & AA elements)

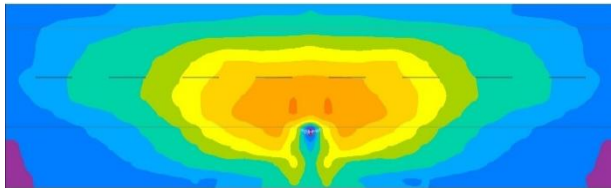
LEVO3 O1 AR



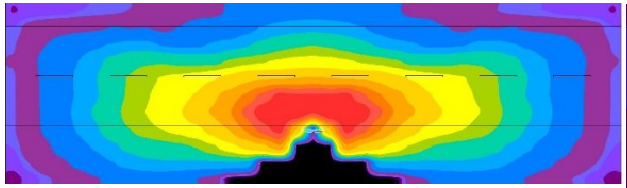
LEVO3 O3 AR



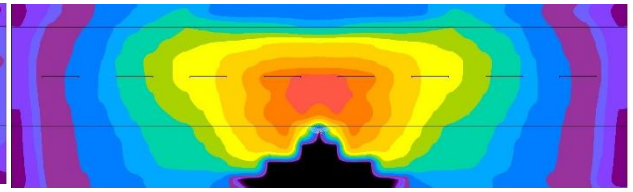
LEVO3 O7 AR



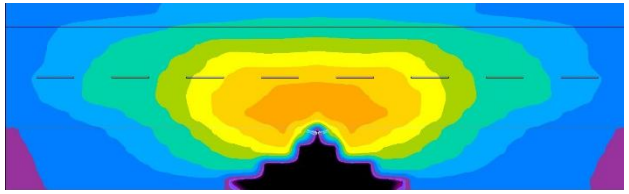
LEVO3 O1 AA



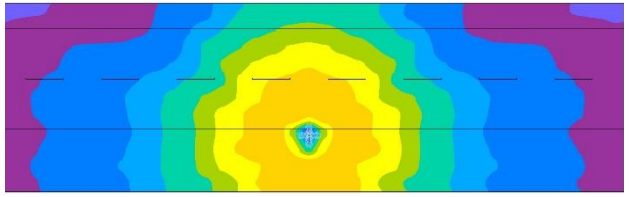
LEVO3 O3 AA



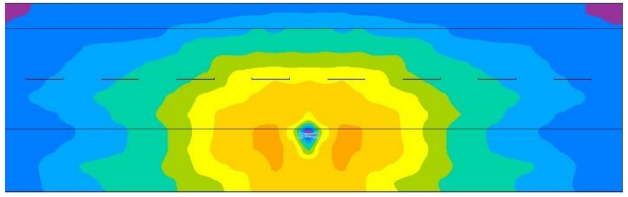
LEVO3 O7 AA



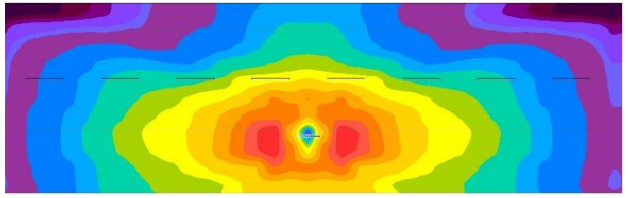
LEVO3 O8 AR



LEVO3 O9 AR



LEVO3 O10 AR



Mounting Height:	6,0m
Distance to roadway:	0,5m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3

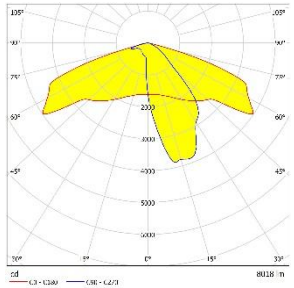
Optics Overview | Bracket Mounted Luminaires

Mounting Height 6m

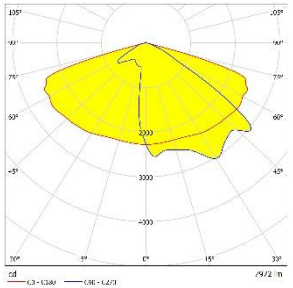
LEVO3

Optics Overview | Bracket Mounted Luminaires

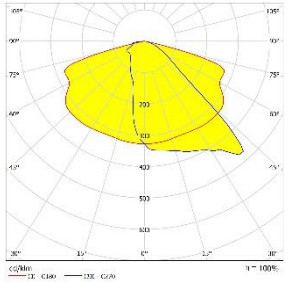
LEVO3 O1



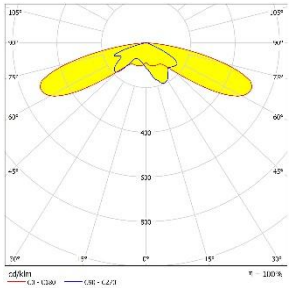
LEVO3 O2



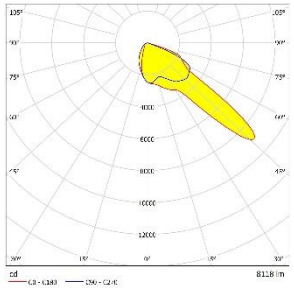
LEVO3 O3



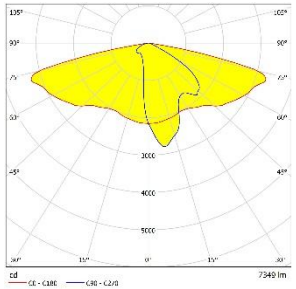
LEVO3 O4



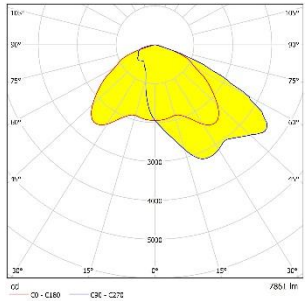
LEVO3 O6R



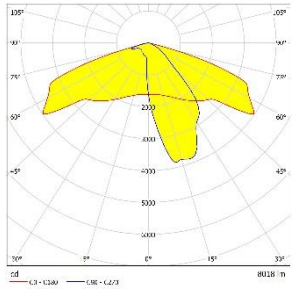
LEVO3 O7



LEVO3 O14

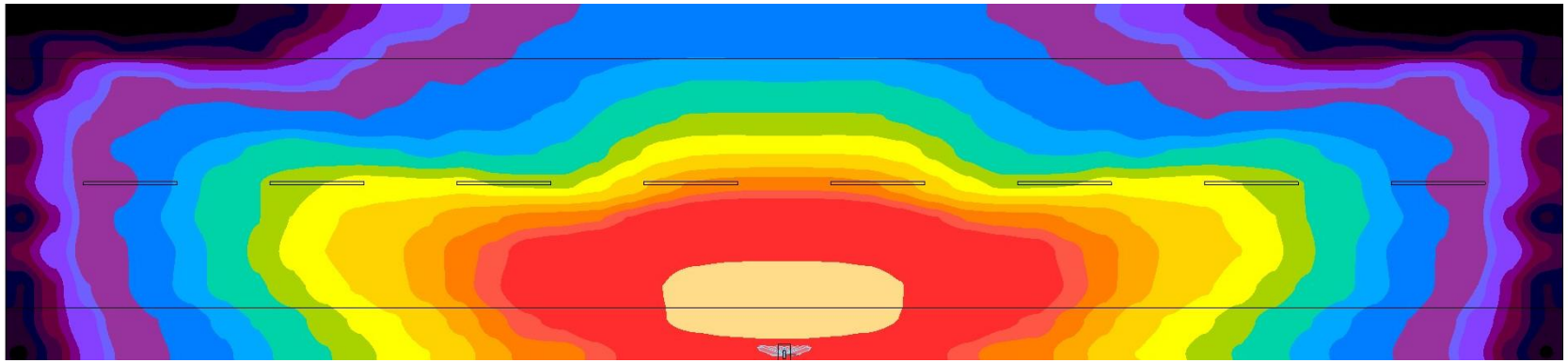


LEVO3 O1



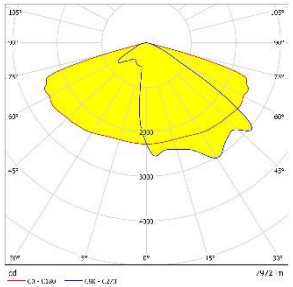
Light distribution:
Asymmetrical,
optimised for luminance

Characteristic:
For main road illumination



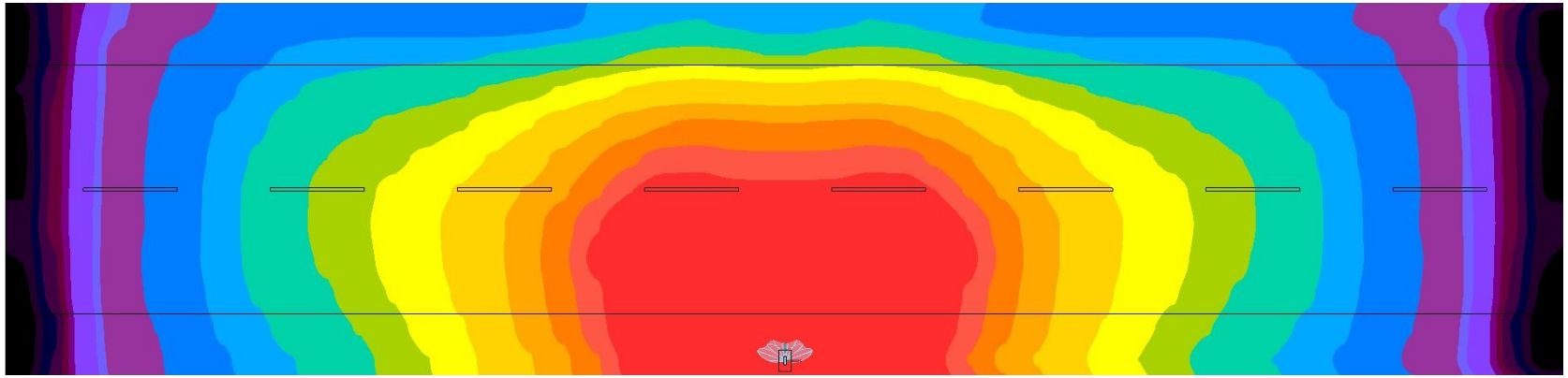
Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m

LEVO3 O2



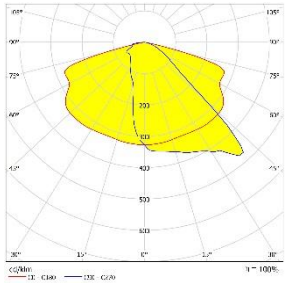
Lichtverteilung:
Asymmetrisch, optimiert
für Beleuchtungsstärke

Charakteristik:
Zur Beleuchtung von
Hauptverkehrsstraßen



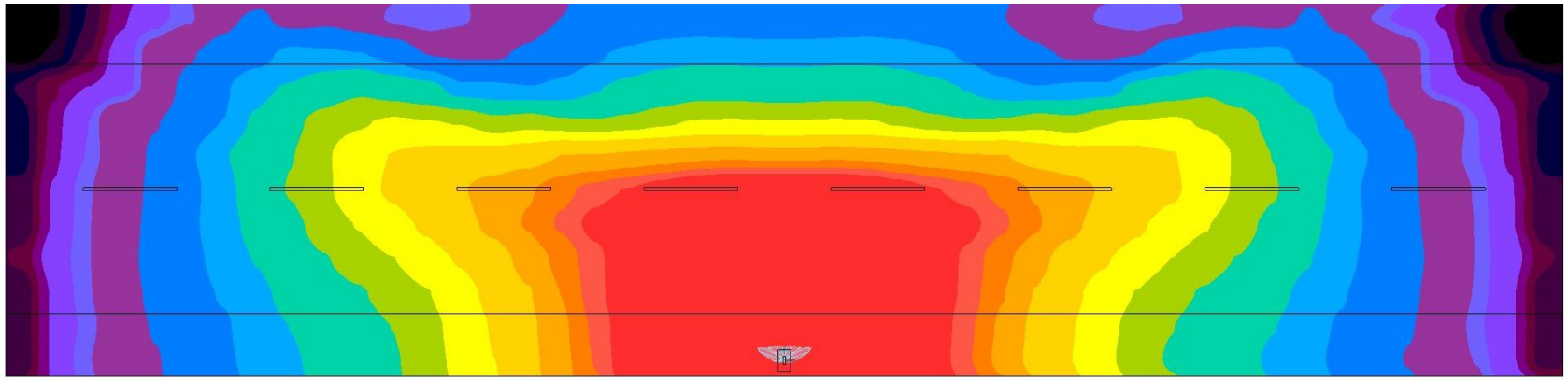
Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m

LEVO3 O3



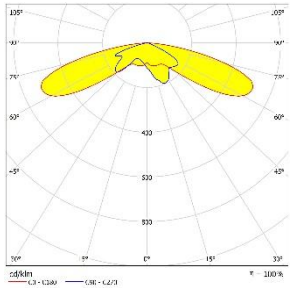
Light distribution:
Asymmetrical,
optimised for illuminance

Characteristic:
For main road illumination



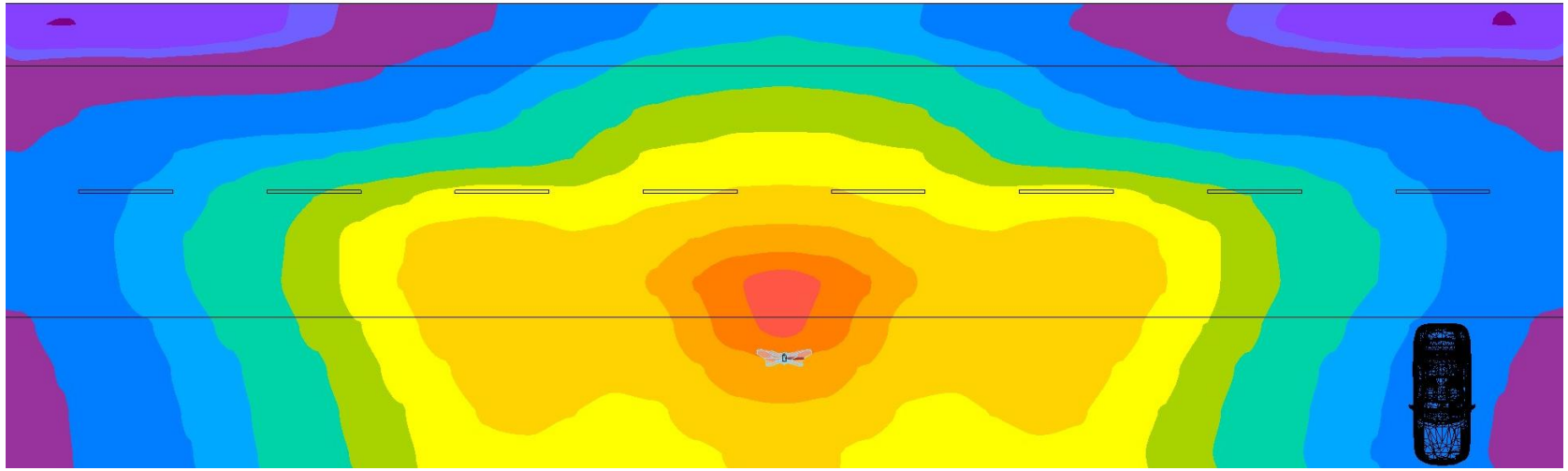
Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m

LEVO3 O4



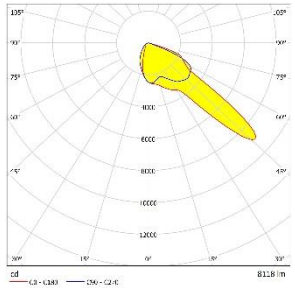
Light distribution:
Asymmetrical wide

Characteristic:
Characteristic: For foot and cycle path illumination



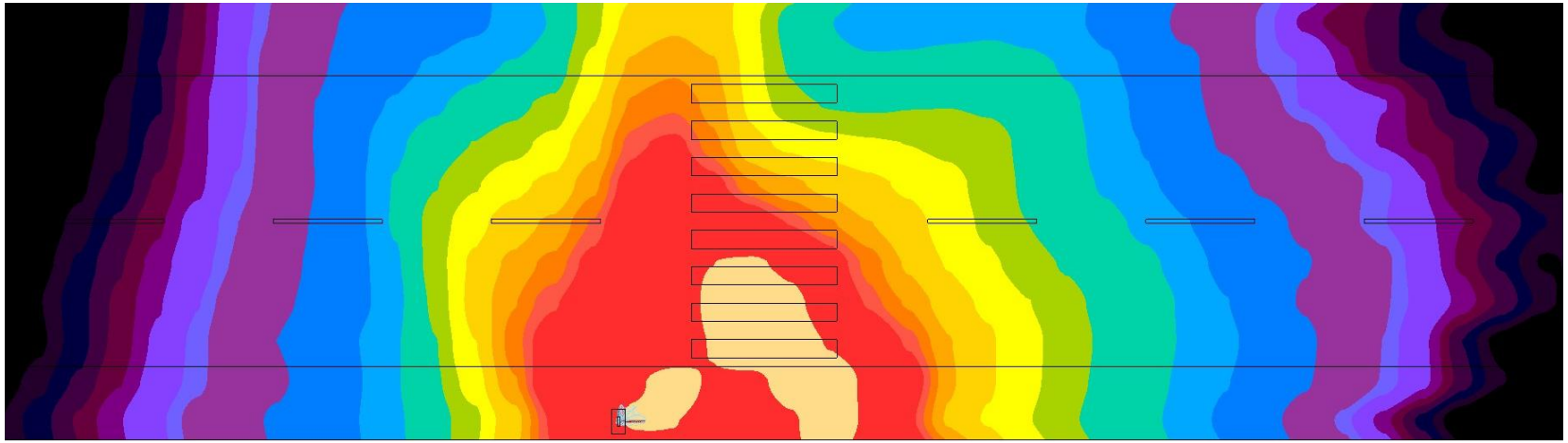
Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3 O6R



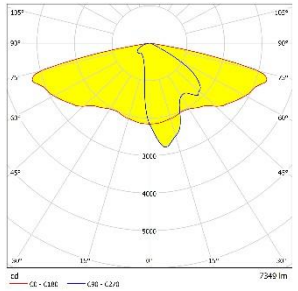
Light distribution:
Asymmetrical,
right-oriented

Characteristic:
For pedestrian crossing
illumination



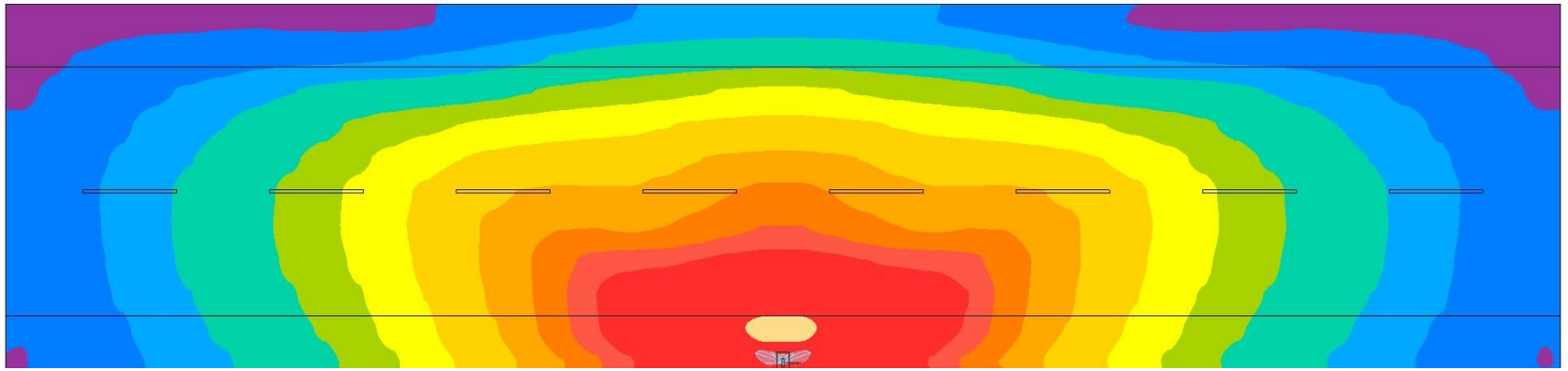
Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m

LEVO3 O7



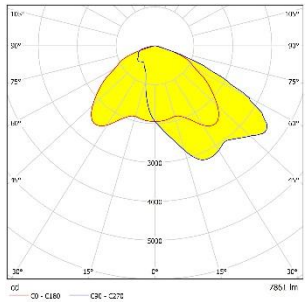
Light distribution:
Asymmetrical wide for luminance of up to 0,5 cd/m²

Characteristic:
For main and residential road illumination



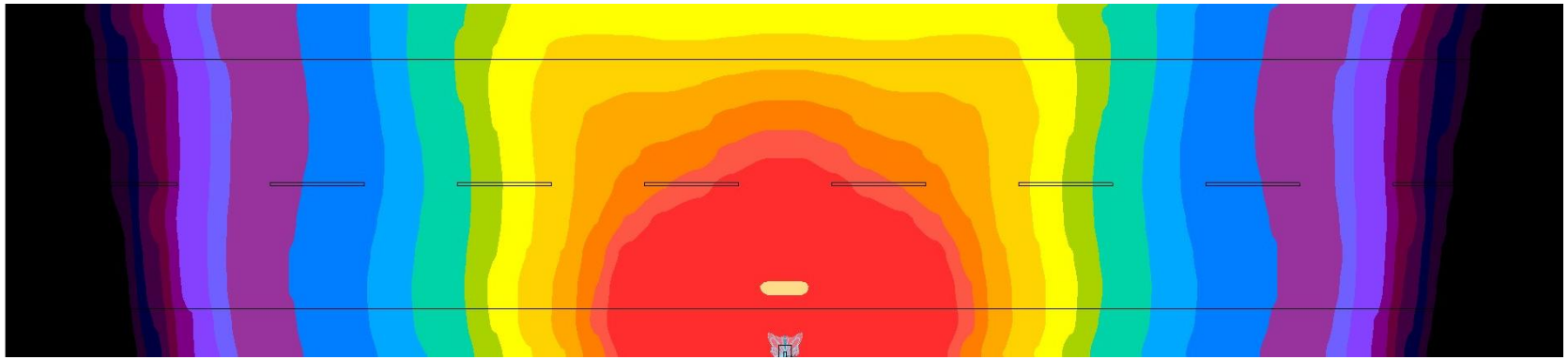
Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m

LEVO3 O14



Light distribution:
Asymmetric narrow distribution

Characteristic:
For the illumination of storage areas

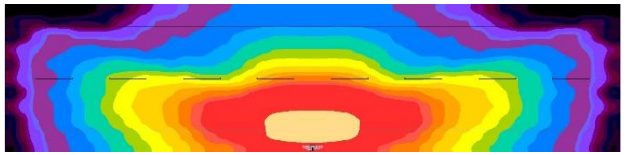


Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m

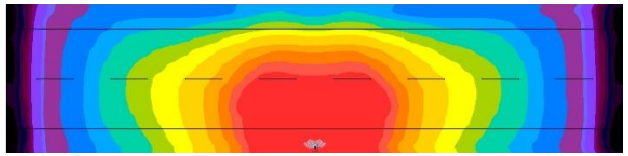
LEVO3

Optics Overview | Bracket Mounted Luminaires

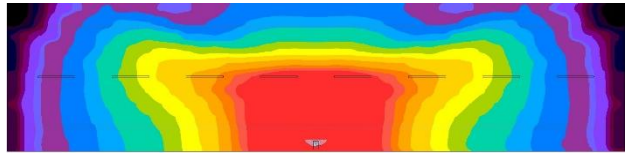
LEVO3 O1



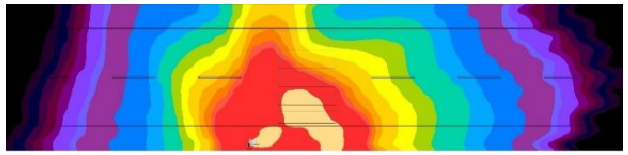
LEVO3 O2



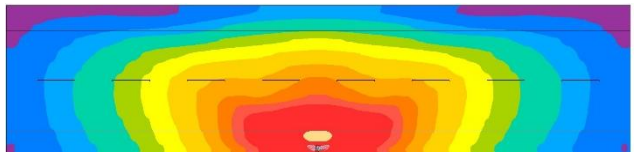
LEVO3 O3



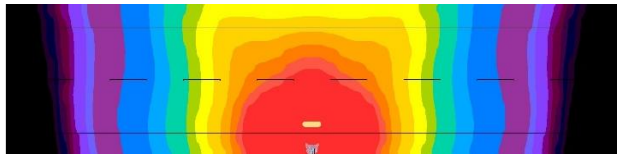
LEVO3 O6R



LEVO3 O7

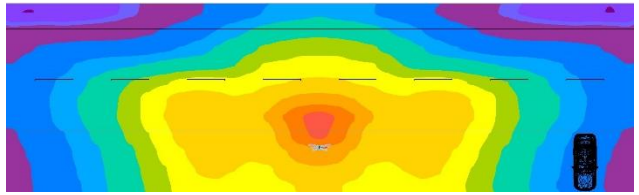


LEVO3 O14



Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m

LEVO3 O4



Mounting Height:	6,0m
Tilt:	0°
Distance to roadway:	2,0m
Width of roadway:	8,0m
Width of walkway:	2,0m & 5,0m

LEVO3

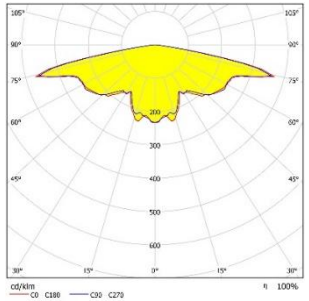
Optics Overview | Catenary Suspended Luminaires

Mounting Height 8m

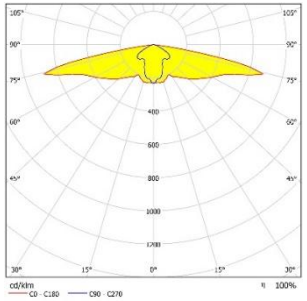
LEVO3

Optics Overview | Catenary Suspended Luminaires

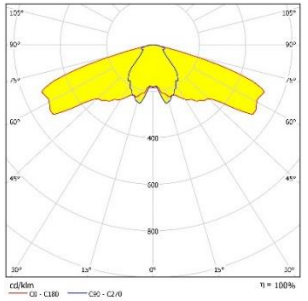
LEVO3 O8



LEVO3 O9



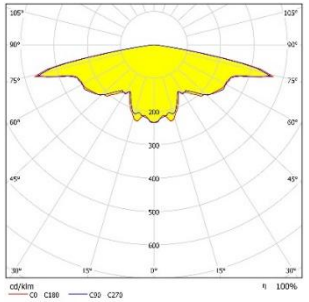
LEVO3 O10



LEVO3

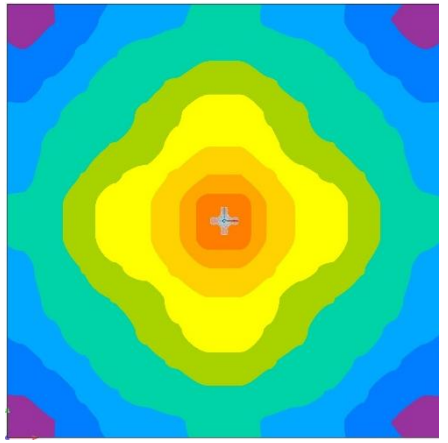
Optics Overview | Catenary Suspended Luminaires

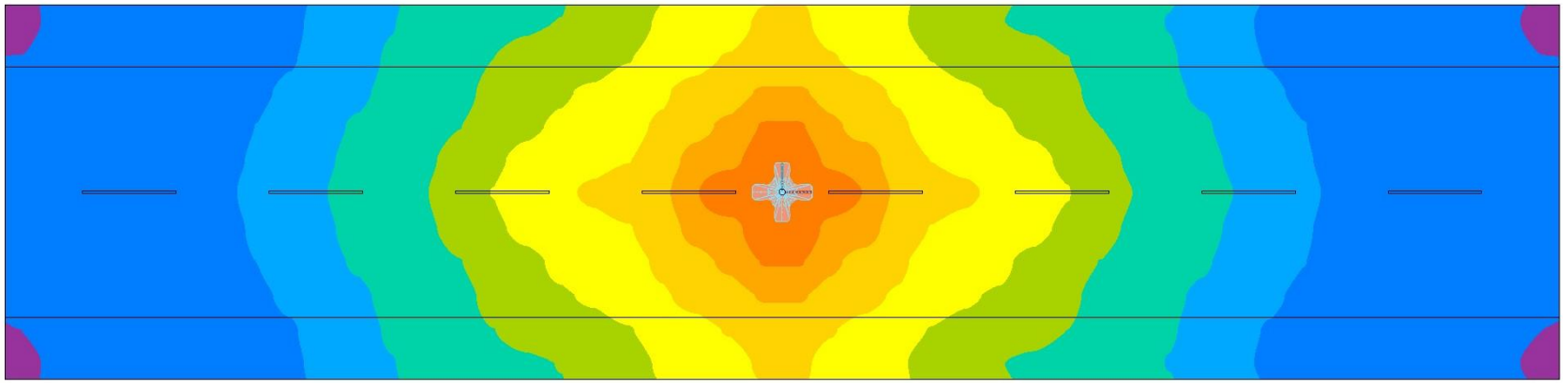
LEVO3 O8



Light distribution:
Rotationally symmetric

Characteristic:
For place illumination



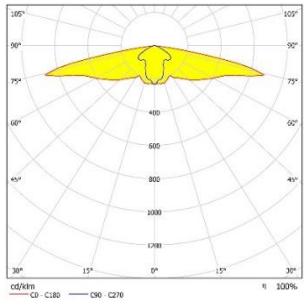


Mounting Height:	8,m
Distance to roadway:	middle
Width of roadway:	8,om
Width of walkway:	2,om

LEVO3

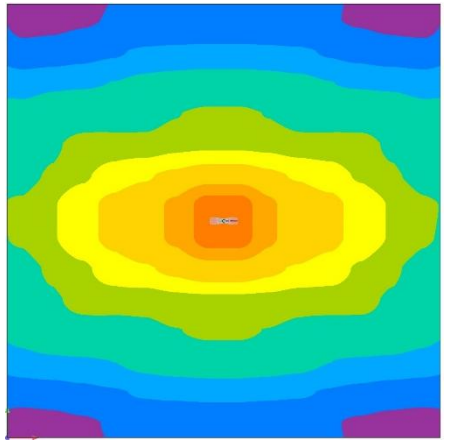
Optics Overview | Catenary Suspended Luminaires

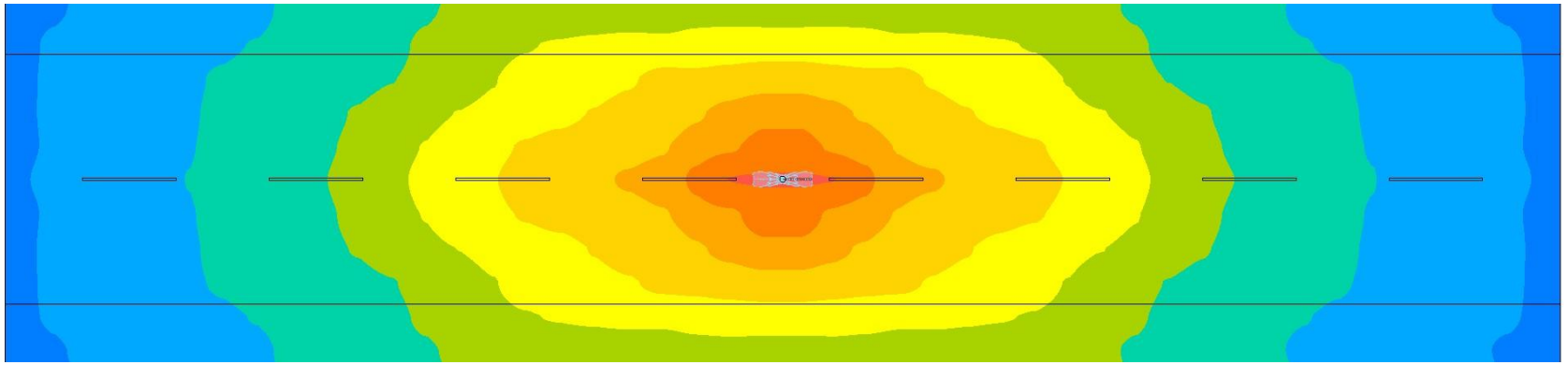
LEVO3 O9



Light distribution:
Axially symmetrical

Characteristic:
For main road illumination



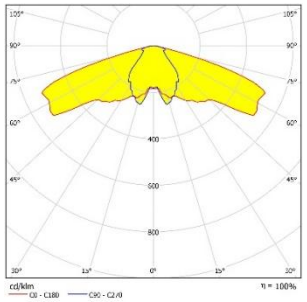


Mounting Height:	8,m
Distance to roadway:	middle
Width of roadway:	8,om
Width of walkway:	2,om

LEVO3

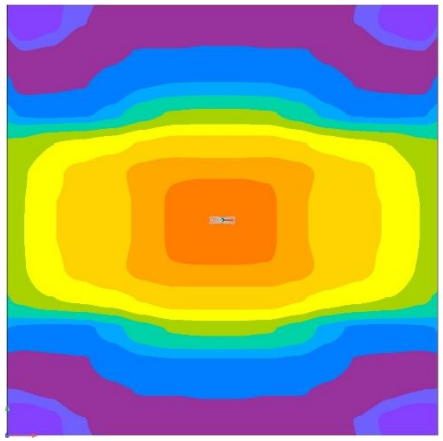
Optics Overview | Catenary Suspended Luminaires

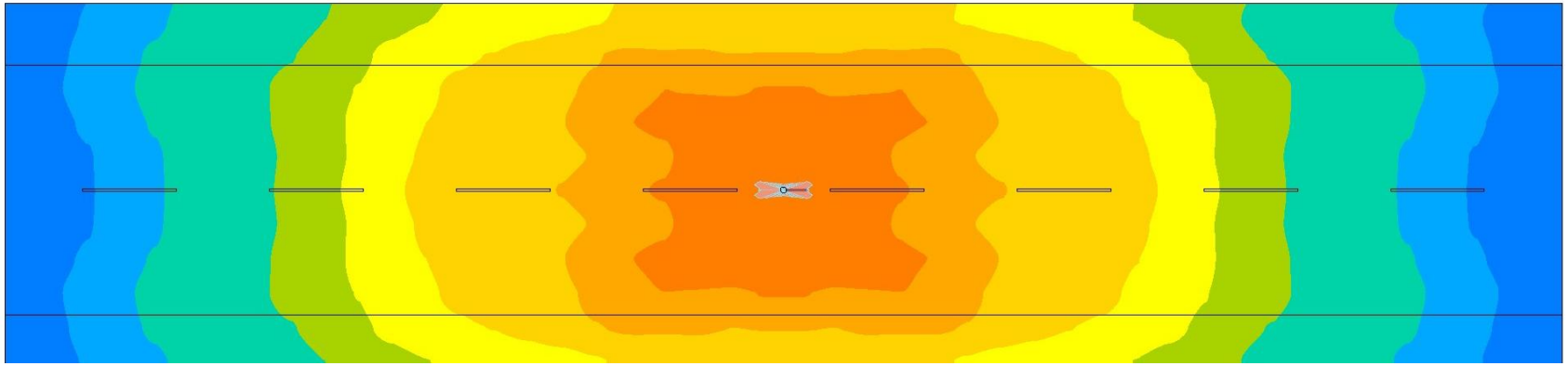
LEVO3 O10



Light distribution:
Axially symmetric wide

Characteristic:
For main road illumination



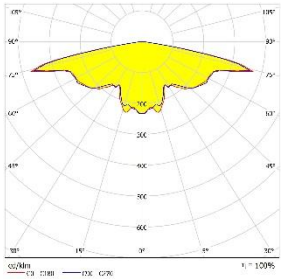


Mounting Height:	8,m
Distance to roadway:	middle
Width of roadway:	8,om
Width of walkway:	2,om

LEVO3

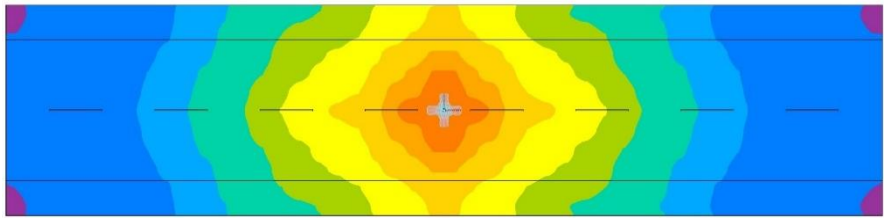
Optics Overview | Catenary Suspended Luminaires

LEVO3 O8

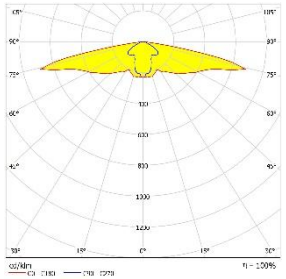


Light distribution:
Rotationally symmetric

Characteristic:
For place illumination

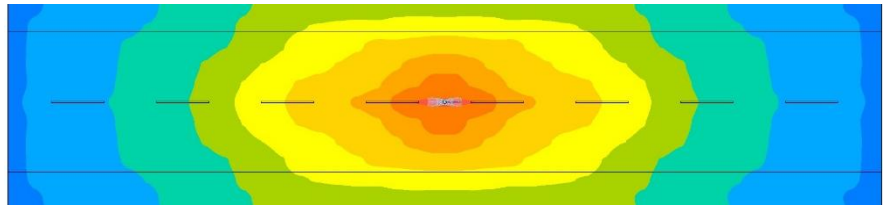


LEVO3 O9

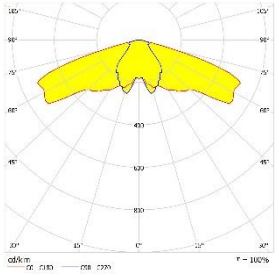


Light distribution:
Axially symmetrical

Characteristic:
For main road illumination

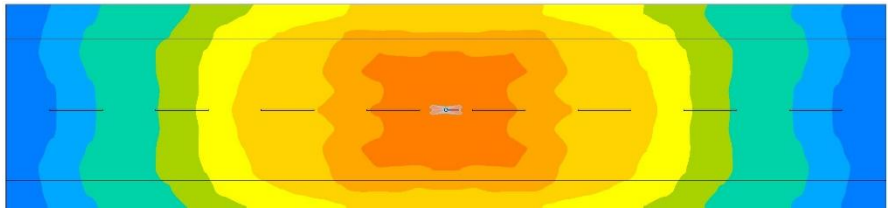


LEVO3 O10



Light distribution:
Axially symmetric wide

Characteristic:
For main road illumination



Mounting Height:	8,m
Distance to roadway:	middle
Width of roadway:	8,om
Width of walkway:	2,om

LEVO3

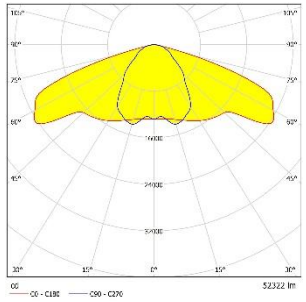
Optics Overview | Flood- and Sports light

LPH 16m

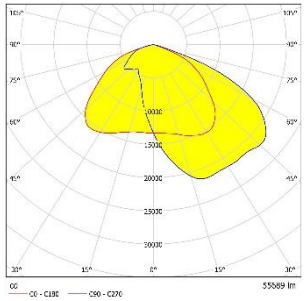
LEVO3

Optics Overview | Flood- and Sports light

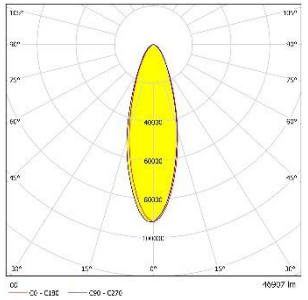
LEVO3 O10



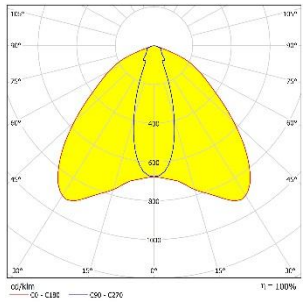
LEVO3 O14



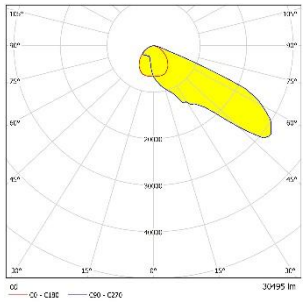
LEVO3 O15



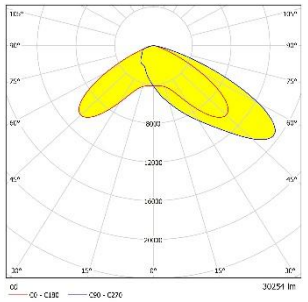
LEVO3 O16



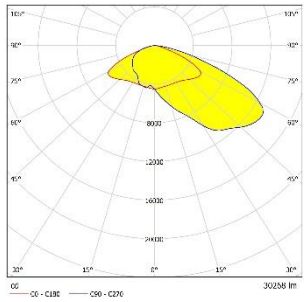
LEVO3 O20



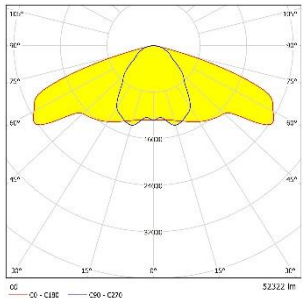
LEVO3 O23

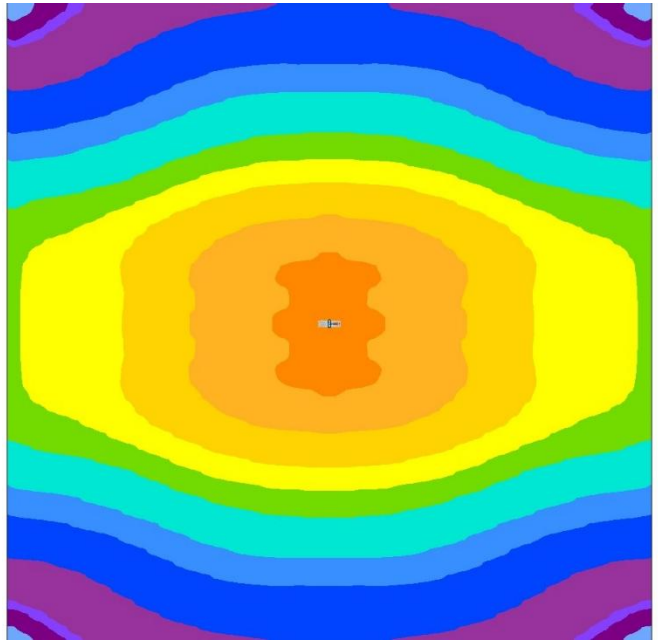


LEVO3 O24



LEVO3 O10



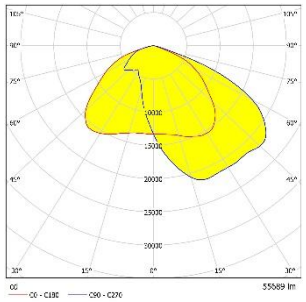


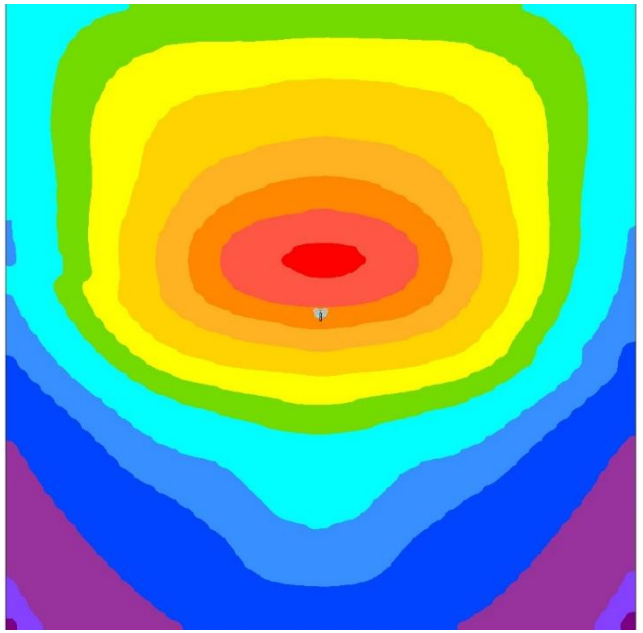
Light distribution:
Axially symmetric wide

Characteristic:
For main road illumination

LPH:	16,0m
Neigung :	0°
Platzfläche:	50x50m

LEVO3 O14



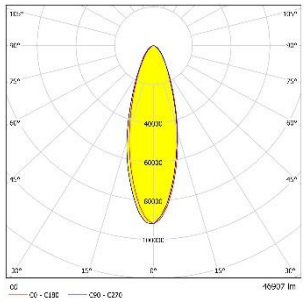


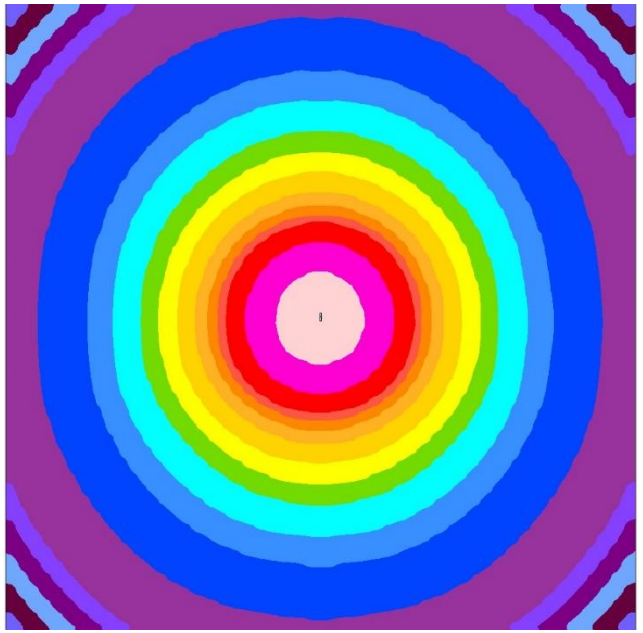
Light distribution:
Asymmetric narrow distribution

Characteristic:
For the illumination of storage areas

LPH:	16,0m
Neigung :	0°
Platzfläche:	50x50m

LEVO3 O15



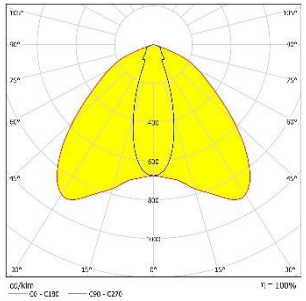


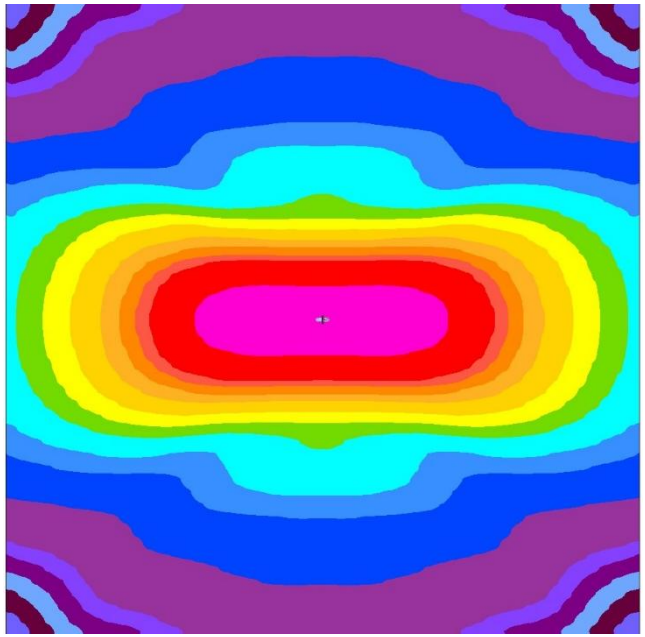
Light distribution:
Symmetrical, optimised for illuminance

Characteristic:
For spot illumination

LPH:	16,0m
Neigung :	0°
Platzfläche:	50x50m

LEVO3 O16



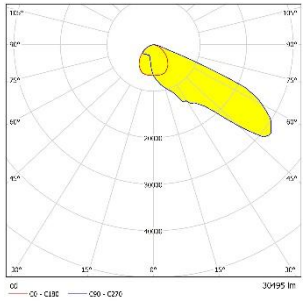


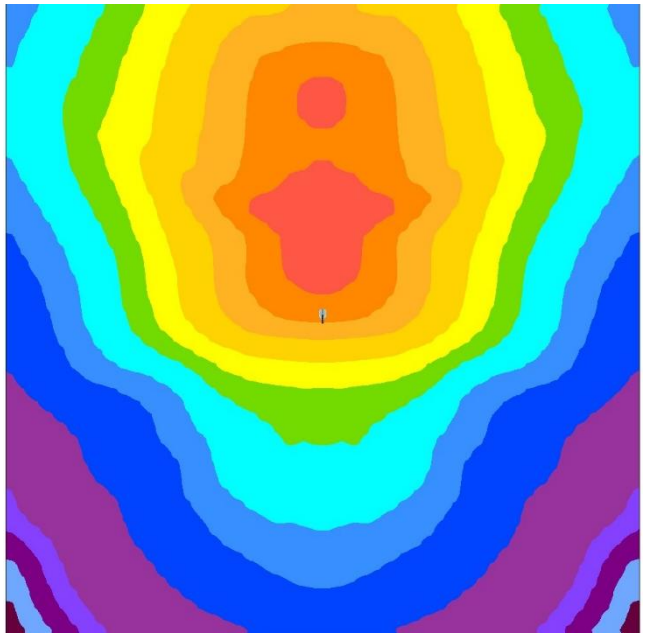
Light distribution:
Axially symmetric, optimised for luminance

Characteristic:
For illumination of large areas

LPH:	16,0m
Neigung :	0°
Platzfläche:	50x50m

LEVO3 O20



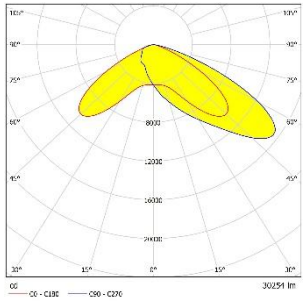


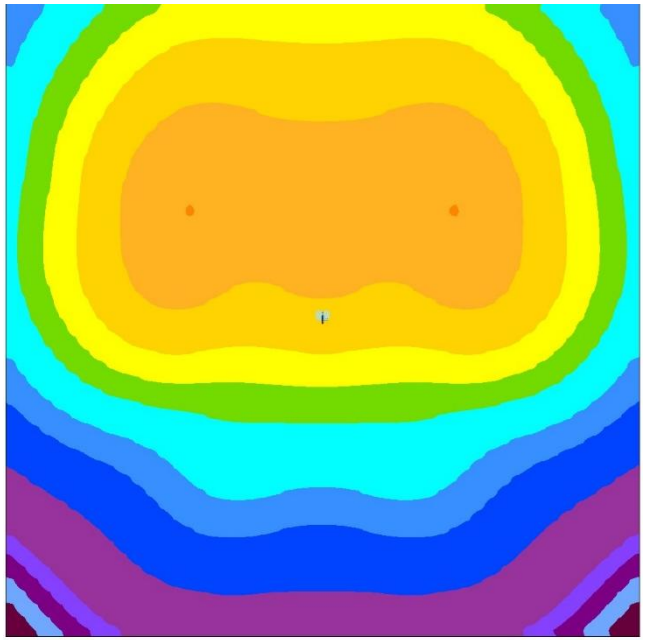
Light distribution:
Asymmetrical, forward narrow-beam distribution

Characteristic:
For the illumination of large areas

LPH:	16,0m
Neigung :	0°
Platzfläche:	50x50m

LEVO3 O23



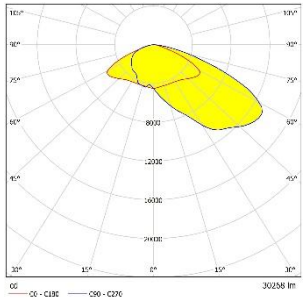


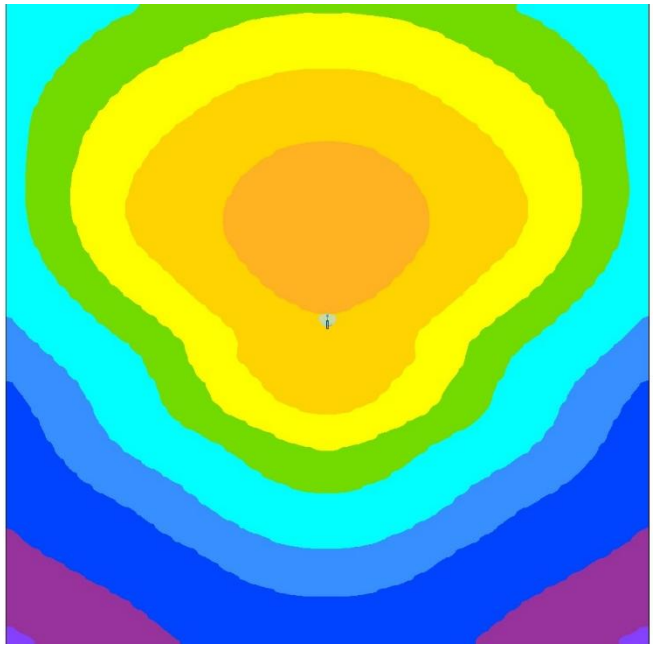
Light distribution:
Asymmetrical, optimised for luminance

Characteristic:
For the illumination of large areas

LPH:	16,0m
Neigung :	0°
Platzfläche:	50x50m

LEVO3 O24





Light distribution:
Asymmetric extra narrow distribution

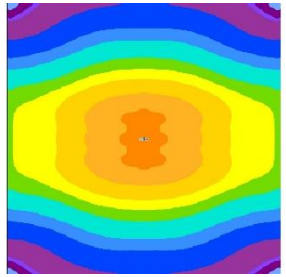
Characteristic:
For e.g. parking space illumination

LPH:	16,0m
Neigung :	0°
Platzfläche:	50x50m

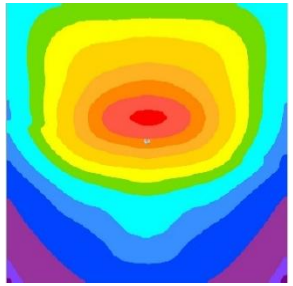
LEVO3

Optics Overview | Flood- and Sports light

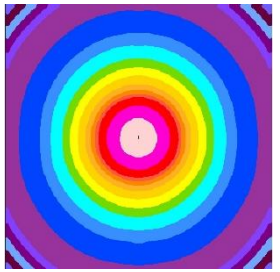
LEVO3 O10



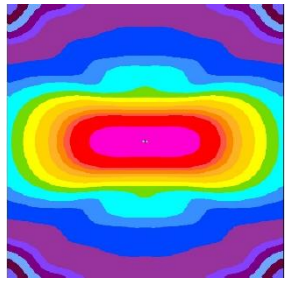
LEVO3 O14



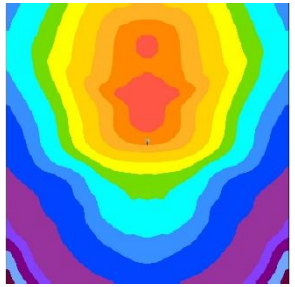
LEVO3 O15



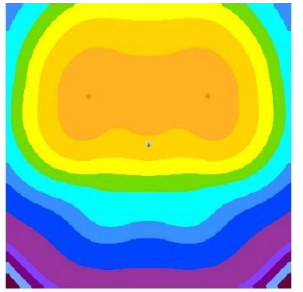
LEVO3 O16



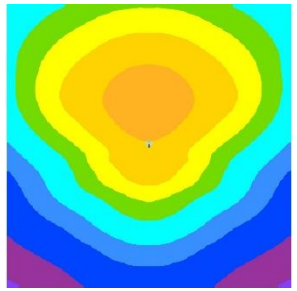
LEVO3 O20



LEVO3 O23



LEVO3 O24



LPH:	16,0m
Neigung :	0°
Platzfläche:	50x50m

THANK YOU.