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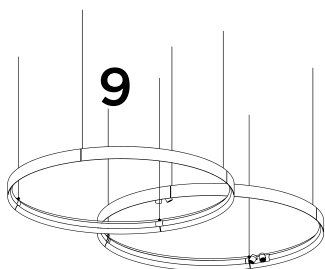
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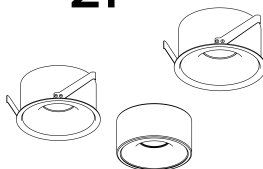
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INDEX



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NABOO
pendant



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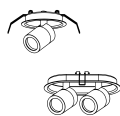
TEDDY
ceiling - recessed



35

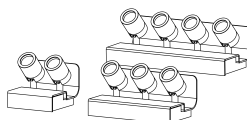
NIO SMALL
recessed

47



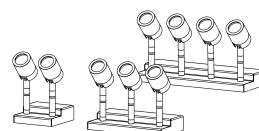
PLURIEL MICRO
recessed

55



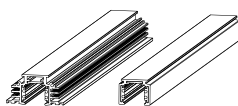
PLURIEL MICRO
wall lamp

61



MUSEO MICRO
projector

69



TRACK 48
*pendant/ceiling
and trimless system*

76 GIOTTO 48
ceiling

80 ZIK 48
unit LED

96 PLURIEL 48
pendant

100 WILLY 48
pendant

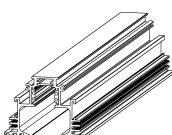
102 GO! 48
pendant

84 SPOT MICRO 48
projector

86 SPOT 48
projector

90 SPOT PLUS 48
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105



TRACK 48-RT
recessed trimless system

120 PLURIEL 48
pendant

124 WILLY 48
pendant

126 GO! 48
pendant

110 SPOT MICRO 48-RT
projector

112 SPOT 48-RT
projector

116 SPOT PLUS 48-RT
projector

EXENIA

Our Values: Technology, Innovation, Design, Global Vision, People and a lot of Talent!
A brand that stands out from the crowd thanks to a unique work and design culture.



THE PRESENT AND THE FUTURE

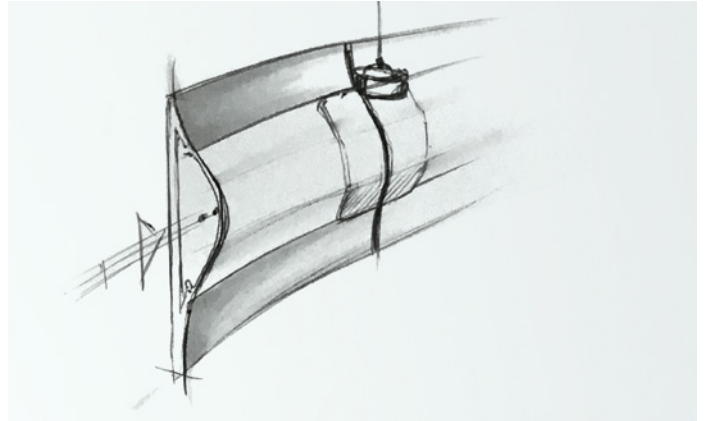
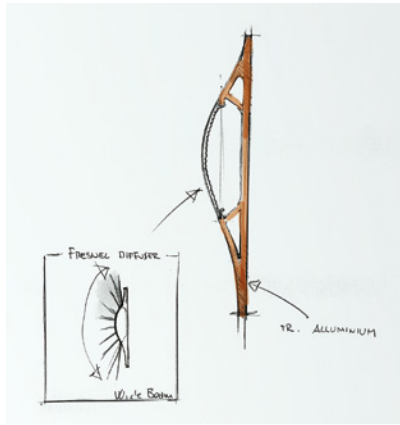
Today, Exenia differentiates itself in the market place by creating the perfect unison of stunning aesthetics and sophisticated technology within the product. We call this approach **TEC-DEC**. A high degree of visual consistency across product families and categories allows architects and designers to create a uniform look across numerous applications. Through this design approach, Exenia has developed into a unique and iconic brand.





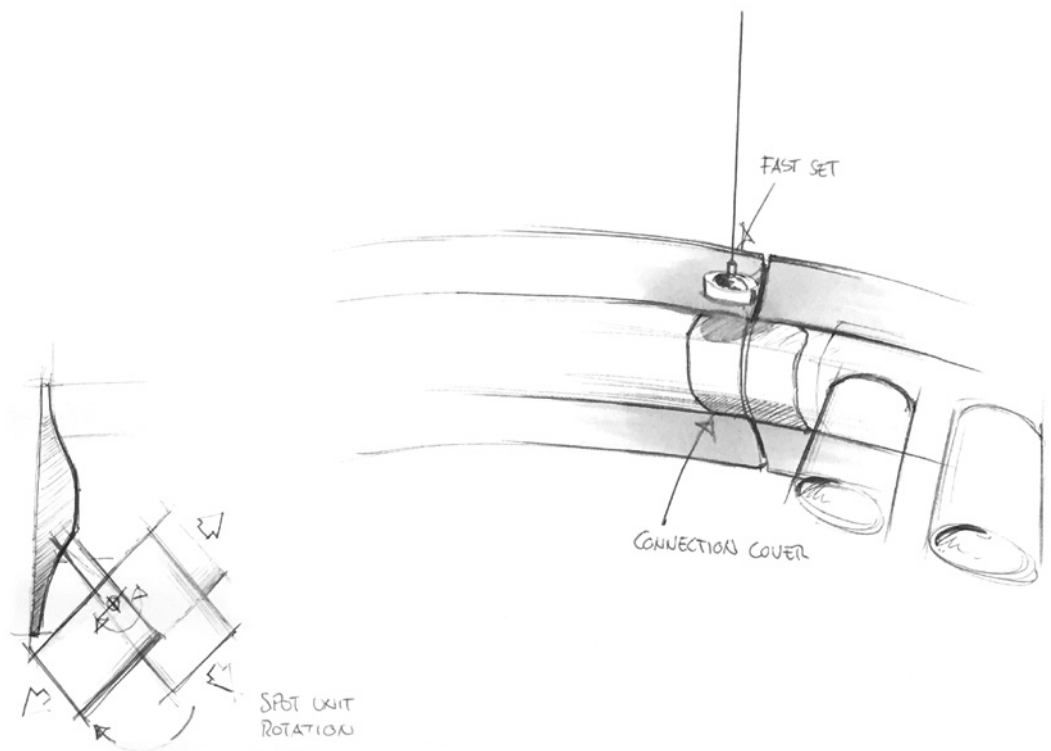
9

NABOO



NABOO

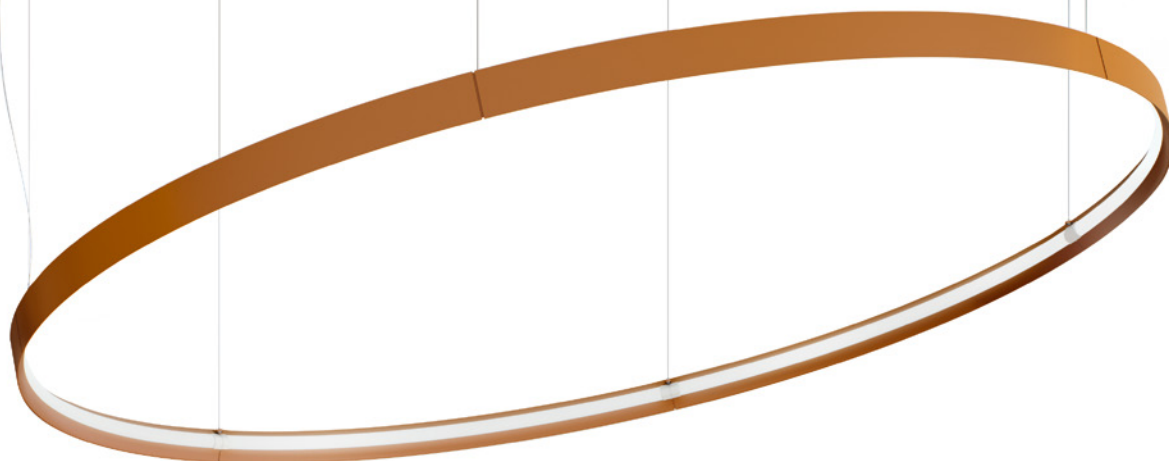
The latest addition to the Exenia family is NABOO – a high performance large and lightweight LED pendant that seems to be floating in the air on extra thin suspension cables. With an overall diameter of up to 3m and a thickness of only 25mm, NABOO creates a highly aesthetic ring of light, using latest generation LED technology.



Easy transportation and installation is guaranteed thanks to the modular frame design that is easily fitted on site. For a perfect blend with its surrounding, NABOO is available in several matte finish options including brick red, grey, black and white. NABOO – an iconic shape re-invented with the latest LED technology, enhancing open plan and airy architectural structures.

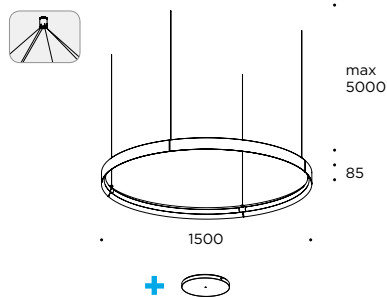
NABOO


pendant

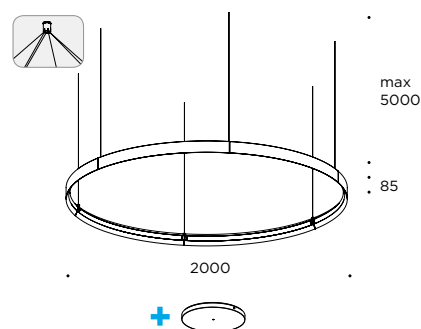


NABOO pendant is a circular-shaped LED pendant with a modular and curved extruded aluminium housing. The luminaire is fitted with a diffuser to create the ideal omni-directional light distribution. The desired canopy and LED driver are available to order separately. When combining more than one NABOO fitting, wires can be run through a single point via a standard accessory for a clean and unobtrusive installation, keeping a minimum distance from the ceiling (increasing size 700/850/1000/1500).


NABOO SMALL



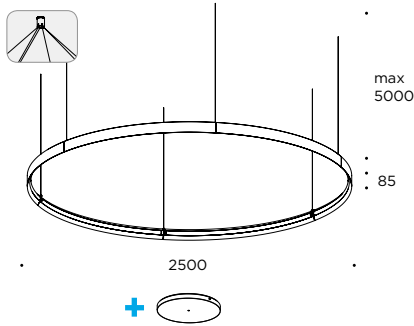
Code	Finish	Power	Nominal		Kg
372 50 50 1M	● brick red	130W	15555 lm	E196	7,10
372 50 50 4X	○ matt white txt	130W	15555 lm	E196	7,10
372 50 50 5X	● matt black txt	130W	15555 lm	E196	7,10
372 50 50 86	● similar corten	130W	15555 lm	E196	7,10
372 50 50 92	● concrete grey	130W	15555 lm	E196	7,10




NABOO MEDIUM

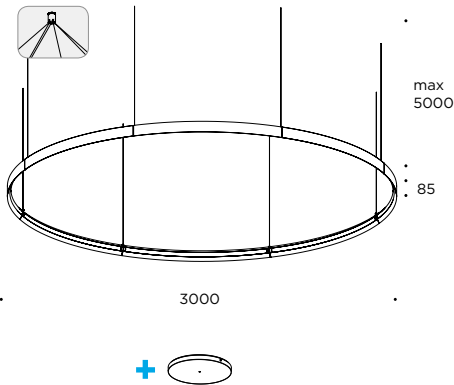
Code	Finish	Power	Nominal		Kg
372 51 50 1M	● brick red	175W	21210 lm	E196	9,40
372 51 50 4X	○ matt white txt	175W	21210 lm	E196	9,40
372 51 50 5X	● matt black txt	175W	21210 lm	E196	9,40
372 51 50 86	● similar corten	175W	21210 lm	E196	9,40
372 51 50 92	● concrete grey	175W	21210 lm	E196	9,40


NABOO LARGE



Code	Finish	Power	Nominal		Kg
372 52 50 1M	● brick red	230W	27575 lm	E196	12,00
372 52 50 4X	○ matt white txt	230W	27575 lm	E196	12,00
372 52 50 5X	● matt black txt	230W	27575 lm	E196	12,00
372 52 50 86	● similar corten	230W	27575 lm	E196	12,00
372 52 50 92	● concrete grey	230W	27575 lm	E196	12,00

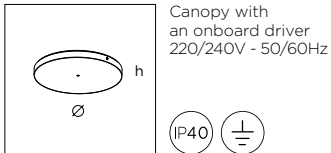
NABOO EXTRA LARGE



Code	Finish	Power	Nominal		Kg
372 53 50 1M	● brick red	260W	31110 lm	E196	13,70
372 53 50 4X	○ matt white txt	260W	31110 lm	E196	13,70
372 53 50 5X	● matt black txt	260W	31110 lm	E196	13,70
372 53 50 86	● similar corten	260W	31110 lm	E196	13,70
372 53 50 92	● concrete grey	260W	31110 lm	E196	13,70

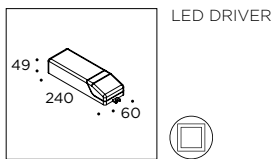
+ TO BE COMPLETED WITH CANOPY (DRIVERS INCLUDED)

CANOPY



Canopy with an onboard driver 220/240V - 50/60Hz

Code	Finish	Ø x h	Power	Versions
372 90 50 47	○ parget white	270x35	max 150W	Ø = 1500
372 91 50 47	○ parget white	345x60	max 300W	Ø = 2000/2500/3000

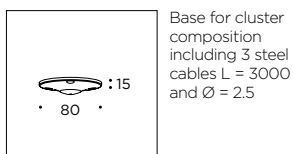


LED DRIVER

Code	Power	Voltage	Frequency
9D 48V 150 TC	max 150W	220/240V	50/60Hz

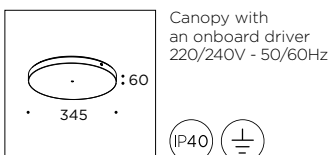
Remote power supply for installation w/o canopy. Following the number of power supplies to order based on the pendant diameter: 1x Ø 1500; 2x Ø 2000; 2x Ø 2500; 2x Ø 3000.

ACCESSORIES FOR CONFIGURATION



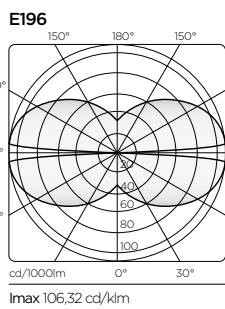
Base for cluster composition including 3 steel cables L = 3000 and Ø = 2.5

Code	Finish	Configurations
345 94 70	● chrome	Ø = 1500+2000 Ø = 1500+2500 Ø = 1500+3000



Canopy with an onboard driver 220/240V - 50/60Hz

Code	Finish	Power	Configurations
372 92 50 47	○ parget white	max 3x150W	Ø = 1500+2000 Ø = 1500+2500 Ø = 1500+3000



NABOO

POWER	130W	175W	230W	260W
SOURCE CONSUMPTION	126,7W	172,8W	224,7W	253,4W
CRI	85	85	85	85
CCT (K)	3000	3000	3000	3000
NOMINAL FLUX (lm)	15555	21210	27575	31110
FIXTURE FLUX (lm)	9410	12832	16882	18821
EFFICIENCY (lm/W)	74,26	74,25	75,13	74,27



Available upon request

note

CRI 95 2700K 3000K 4000K

DIMMABLE - DALI



the size canopy for configuration will be Ø 425 x h60

DIMMABLE - PUSH



the size canopy for configuration will be Ø 425 x h60

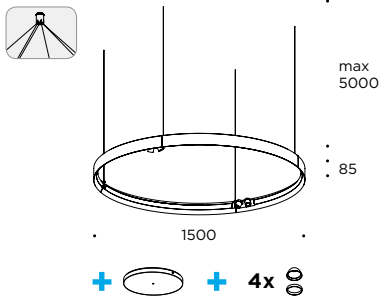
NABOO SPOT


pendant

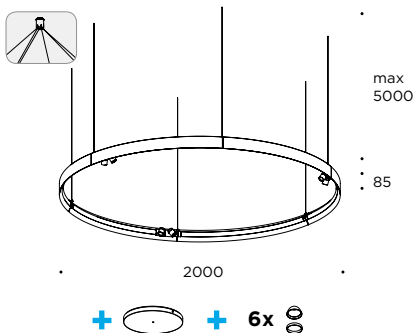


NABOO SPOT is a circular-shaped LED pendant with and adjustable spots, a modular and curved extruded aluminium housing. The luminaire is fitted with a diffuser to create the ideal omni-directional light distribution. The desired canopy and LED driver are available to order separately. When combining more than one NABOO fitting, wires can be run through a single point via a standard accessory for a clean and unobtrusive installation, keeping a minimum distance from the ceiling (increasing size 700/850/1000/1500). Double switch.


NABOO SPOT SMALL



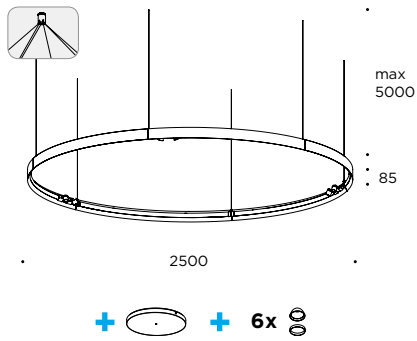
Code	Finish	Power	Nominal		Kg
373 50 50 1M	brick red	120W + 4x6W	14850 lm + 4x700 lm	E196	7,90
373 50 50 4X	matt white txt	120W + 4x6W	14850 lm + 4x700 lm	E196	7,90
373 50 50 5X	matt black txt	120W + 4x6W	14850 lm + 4x700 lm	E196	7,90
373 50 50 86	similar corten	120W + 4x6W	14850 lm + 4x700 lm	E196	7,90
373 50 50 92	concrete grey	120W + 4x6W	14850 lm + 4x700 lm	E196	7,90




NABOO SPOT MEDIUM

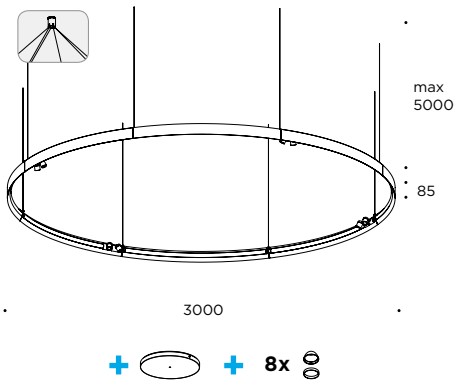
Code	Finish	Power	Nominal		Kg
373 51 50 1M	brick red	164W + 6x6W	20150 lm + 6x700 lm	E196	10,60
373 51 50 4X	matt white txt	164W + 6x6W	20150 lm + 6x700 lm	E196	10,60
373 51 50 5X	matt black txt	164W + 6x6W	20150 lm + 6x700 lm	E196	10,60
373 51 50 86	similar corten	164W + 6x6W	20150 lm + 6x700 lm	E196	10,60
373 51 50 92	concrete grey	164W + 6x6W	20150 lm + 6x700 lm	E196	10,60


NABOO SPOT LARGE



Code	Finish	Power	Nominal		Kg
373 52 50 1M	● brick red	216W + 6x6W	26515 lm + 6x700 lm	E196	13,20
373 52 50 4X	○ matt white txt	216W + 6x6W	26515 lm + 6x700 lm	E196	13,20
373 52 50 5X	● matt black txt	216W + 6x6W	26515 lm + 6x700 lm	E196	13,20
373 52 50 86	● similar corten	216W + 6x6W	26515 lm + 6x700 lm	E196	13,20
373 52 50 92	● concrete grey	216W + 6x6W	26515 lm + 6x700 lm	E196	13,20

NABOO SPOT EXTRA LARGE



Code	Finish	Power	Nominal		Kg
373 53 50 1M	● brick red	242W + 8x6W	29695 lm + 8x700 lm	E196	15,30
373 53 50 4X	○ matt white txt	242W + 8x6W	29695 lm + 8x700 lm	E196	15,30
373 53 50 5X	● matt black txt	242W + 8x6W	29695 lm + 8x700 lm	E196	15,30
373 53 50 86	● similar corten	242W + 8x6W	29695 lm + 8x700 lm	E196	15,30
373 53 50 92	● concrete grey	242W + 8x6W	29695 lm + 8x700 lm	E196	15,30

+ TO BE COMPLETED WITH CANOPY (DRIVERS INCLUDED) AND RINGS WITH OPTICS INCLUDED

CANOPY

Code	Finish	Power	Versions
373 90 50 47	○ parget white	max 150W + 70W	Ø = 1500
373 91 50 47	○ parget white	max 300W + 70W	Ø = 2000/2500 3000

Code	LxPxh	Power	Voltage	Frequency
9D 48V 070 TC	235x60x36	max 70W	220/240V	50/60Hz

Remote power supply for installation up to 8 spots w/o canopy.

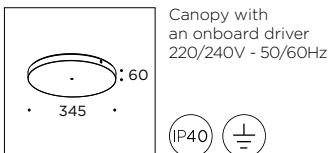
9D 48V 150 TC	240x60x49	max 150W	220/240V	50/60Hz
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Remote power supply for installation w/o canopy. Following the number of power supplies to order based on the pendant diameter: 1x Ø 1500; 2x Ø 2000; 2x Ø 2500; 2x Ø 3000.

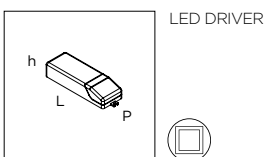
ACCESSORIES FOR CONFIGURATION

Code	Finish	Configurations
345 94 70	● chrome	Ø = 1500+2000 Ø = 1500+2500 Ø = 1500+3000

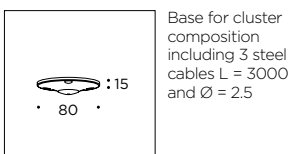
Code	Finish	Power	Configurations
373 92 50 47	○ parget white	max 3x150W + 2x70W	Ø = 1500+2000 Ø = 1500+2500 Ø = 1500+3000



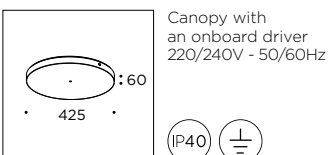
Canopy with an onboard driver
220/240V - 50/60Hz



LED DRIVER



Base for cluster composition including 3 steel cables L = 3000 and Ø = 2.5



Canopy with an onboard driver
220/240V - 50/60Hz



Optics with rings included

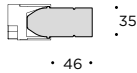
Code	Finish	Optics			
353 90 50 1M/M	● brick red	Medium	21°		E052
353 90 50 10/ M	● lacquered red	Medium	21°		E052
353 90 50 17/ M	● matt orange	Medium	21°		E052
353 90 50 20/M	● spring green	Medium	21°		E052
353 90 50 33/M	● corn yellow	Medium	21°		E052
353 90 50 42/M	○ matt white	Medium	21°		E052
353 90 50 52/M	● matt black	Medium	21°		E052
353 90 50 64/M	● baby blue	Medium	21°		E052
353 90 50 92/M	● concrete grey	Medium	21°		E052
<hr/>					
353 90 50 1M/ L	● brick red	Large	30°		E053
353 90 50 10/ L	● lacquered red	Large	30°		E053
353 90 50 17/ L	● matt orange	Large	30°		E053
353 90 50 20/ L	● spring green	Large	30°		E053
353 90 50 33/ L	● corn yellow	Large	30°		E053
353 90 50 42/ L	○ matt white	Large	30°		E053
353 90 50 52/ L	● matt black	Large	30°		E053
353 90 50 64/ L	● baby blue	Large	30°		E053
353 90 50 92/ L	● concrete grey	Large	30°		E053
<hr/>					
353 90 50 1M/W	● brick red	Wide	59°		E054
353 90 50 10/ W	● lacquered red	Wide	59°		E054
353 90 50 17/ W	● matt orange	Wide	59°		E054
353 90 50 20/W	● spring green	Wide	59°		E054
353 90 50 33/W	● corn yellow	Wide	59°		E054
353 90 50 42/W	○ matt white	Wide	59°		E054
353 90 50 52/W	● matt black	Wide	59°		E054
353 90 50 64/W	● baby blue	Wide	59°		E054
353 90 50 92/W	● concrete grey	Wide	59°		E054

ACCESSORIES

Code	Finish		
9Q 317 52	● matt black	10°	
<i>With this accessory there is no need to order coloured rings with optics.</i>			
<hr/>			
9G 023	● matt black		
<hr/>			
9G 024			



Narrow Optics



Honeycomb Louvre



• 35 •



• 35 •

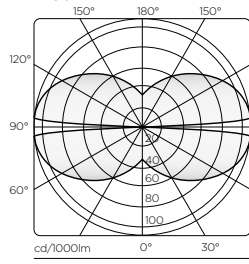


Satin Diffuser



• 35 •

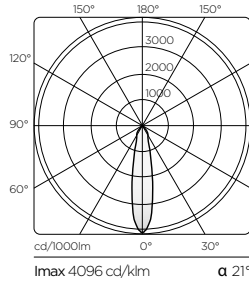
E196



NABOO SPOT

POWER	144W	200W	252W	290W
SOURCE CONSUMPTION	145,4W	200,7W	252,6W	290,7W
CRI CCT (K)	85 3000	85 3000	85 3000	85 3000
NOMINAL FLUX (lm)	18355	24350	30715	35295
FIXTURE FLUX (lm)	10782	14891	18741	21565
EFFICIENCY (lm/W)	74,154	74,173	74,192	74,183

E052

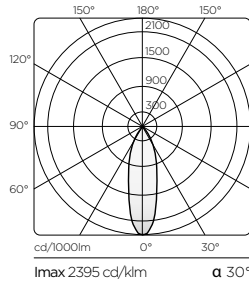


h (m)	Ø	Em (lux/klm)
h1	0,38	4096
h2	0,75	1024
h3	1,13	455
h4	1,51	256
h5	1,89	164

SPOT NABOO

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	450
EFFICIENCY (lm/W)	73,77

E053

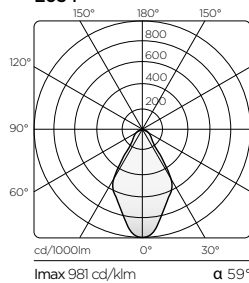


h (m)	Ø	Em (lux/klm)
h1	0,54	2395
h2	1,09	599
h3	1,63	266
h4	2,18	150
h5	2,72	96

SPOT NABOO

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	445
EFFICIENCY (lm/W)	72,95

E054



h (m)	Ø	Em (lux/klm)
h1	1,13	981
h2	2,27	245
h3	3,40	109
h4	4,54	61
h5	5,67	39

SPOT NABOO

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	440
EFFICIENCY (lm/W)	72,13

Available upon request

note

CRI 95 2700K 3000K 4000K

DIMMABLE - DALI



for versions Ø ≥ 2000 the size canopy will be Ø 425 x h60
 the size canopy for configuration will be Ø 530 x h35

DIMMABLE - PUSH



for versions Ø ≥ 2000 the size canopy will be Ø 425 x h60
 the size canopy for configuration will be Ø 530 x h35



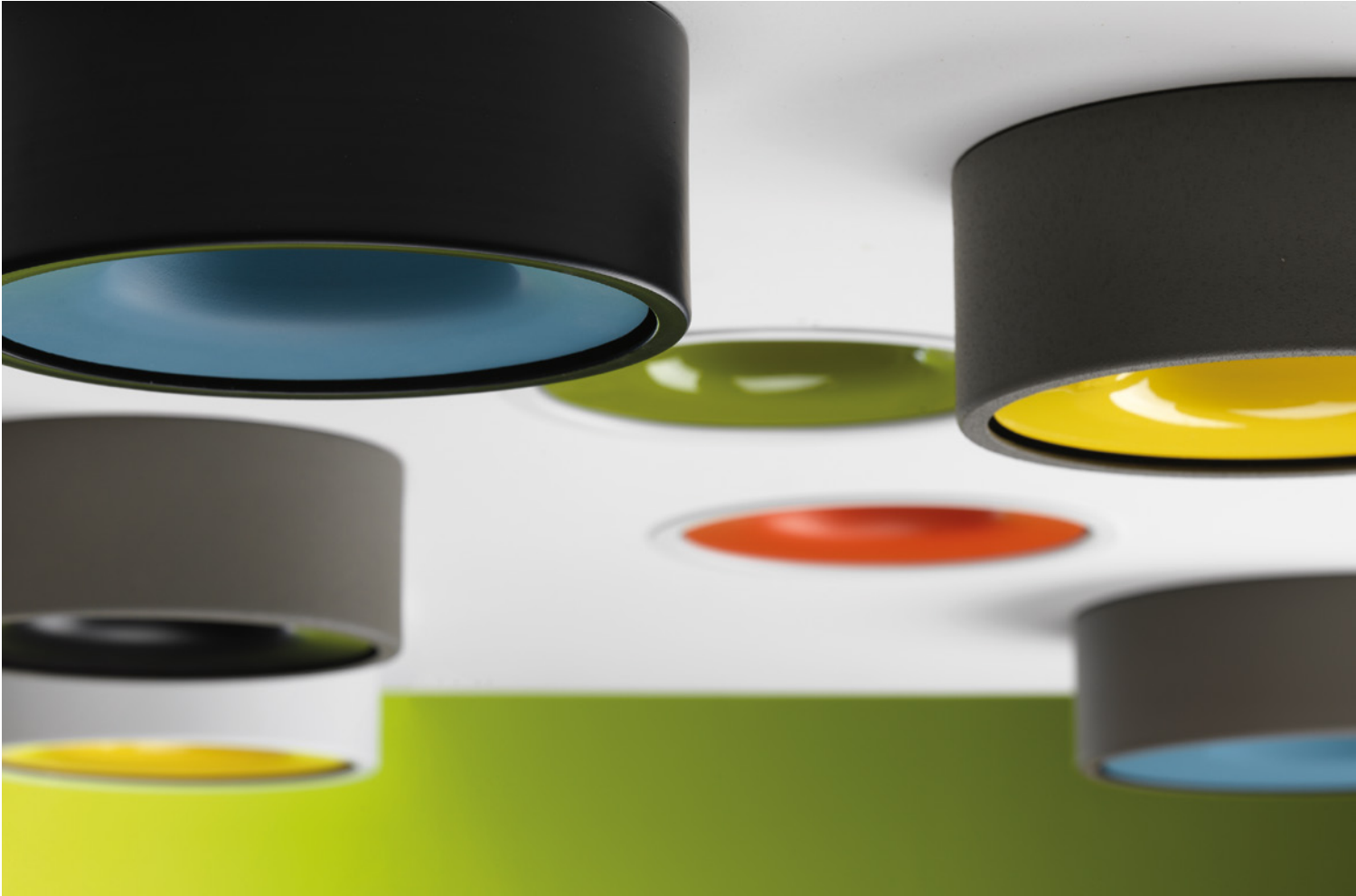
21

TEDDY



TEDDY

TEDDY is going mini! For an even more unobtrusive design, our much-loved TEDDY is now available in an even smaller size offering improved performance and outstanding visual comfort.

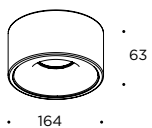


For ease of installation combined with beautiful aesthetics, TEDDY is an ideal fitting for both decorative as well as practical solutions.



TEDDY ceiling mounted LED luminaire with a housing made from aluminium, finished in matte white, matte black or concrete grey. A decorative ring is available in several finish options and adds the very unique splash of colour to this fitting. In addition to the standard ring offering, a new Comfort range is now also available for TEDDY Large.

TEDDY MEDIUM



Code	Finish	Power	Nominal	Kg
371 40 50 42	○ matt white	8W	1365 lm	0,40
371 40 50 52	● matt black	8W	1365 lm	0,40
371 40 50 92	● concrete grey	8W	1365 lm	0,40



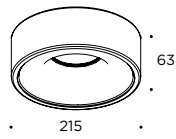
+ TO BE COMPLETED WITH RINGS



Comfort Ring

Code	Finish	
371 91 00 1M	● brick red	E193
371 91 00 10	● lacquered red	E193
371 91 00 17	● matt orange	E193
371 91 00 20	● spring green	E193
371 91 00 33	● corn yellow	E193
371 91 00 42	○ matt white	E193
371 91 00 52	● matt black	E193
371 91 00 64	● baby blue	E193
371 91 00 92	● concrete grey	E193

TEDDY LARGE



Classic Ring



Comfort Ring



Polycarbonate opal diffuser



Honeycomb Louvre



A+

Code	Finish	Power	Nominal	Kg
343 40 50 42 ○	matt white	17W	2300 lm	7,10
343 40 50 52 ●	matt black	17W	2300 lm	7,10
343 40 50 92 ●	concrete grey	17W	2300 lm	7,10

+ TO BE COMPLETED WITH RINGS

Code	Finish	
343 90 00 1M ●	brick red	E071
343 90 00 10 ●	lacquered red	E071
343 90 00 17 ●	matt orange	E071
343 90 00 20 ●	spring green	E071
343 90 00 33 ●	corn yellow	E071
343 90 00 42 ○	matt white	E071
343 90 00 52 ●	matt black	E071
343 90 00 64 ●	baby blue	E071
343 90 00 92 ●	concrete grey	E071

NEW

Code	Finish	
343 94 00 1M ●	brick red	E194
343 94 00 10 ●	lacquered red	E194
343 94 00 17 ●	matt orange	E194
343 94 00 20 ●	spring green	E194
343 94 00 33 ●	corn yellow	E194
343 94 00 42 ○	matt white	E194
343 94 00 52 ●	matt black	E194
343 94 00 64 ●	baby blue	E194
343 94 00 92 ●	concrete grey	E194

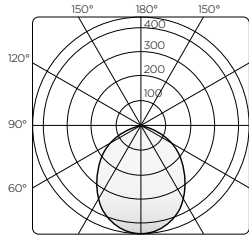
ACCESSORIES

Code	
343 92 00	E072

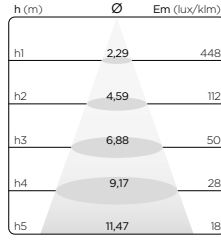
For version Teddy Large.
With this accessory there is no need to order coloured rings.

Code	
9G 032	E073

E071



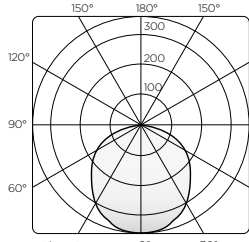
Imax 448 cd/klm α 98°



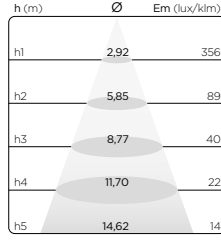
TEDDY

POWER	17W
SOURCE CONSUMPTION	17,2W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	2300
FIXTURE FLUX (lm)	1735
EFFICIENCY (lm/W)	100,8

E072



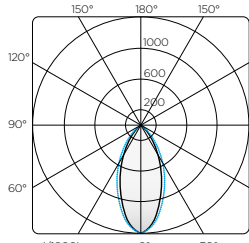
Imax 356 cd/klm α 111°



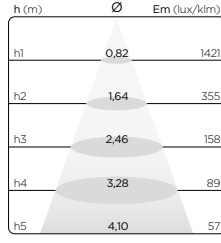
TEDDY

POWER	17W
SOURCE CONSUMPTION	17,2W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	2300
FIXTURE FLUX (lm)	1014
EFFICIENCY (lm/W)	58,9

E073



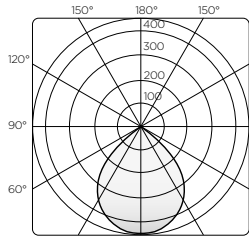
Imax 1420 cd/klm α 44° β 49°



TEDDY

POWER	8W	17W
SOURCE CONSUMPTION	8W	17,2W
CRI	85	85
CCT (K)	3000	3000
NOMINAL FLUX (lm)	1365	2300
FIXTURE FLUX (lm)	273	552
EFFICIENCY (lm/W)	34,12	32,1

E193

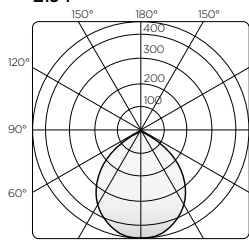


Imax 448,50 cd/klm α 98°

TEDDY

POWER	8W
SOURCE CONSUMPTION	8W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	1365
FIXTURE FLUX (lm)	1020
EFFICIENCY (lm/W)	127,5

E194



Imax 448,50 cd/klm α 98°

TEDDY

POWER	17W
SOURCE CONSUMPTION	17,2W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	2300
FIXTURE FLUX (lm)	1735
EFFICIENCY (lm/W)	100,87



Available upon request

note

CRI 85 4000K

DIMMABLE - DALI



this is only available to the Teddy Large version

DIMMABLE - PUSH



this is only available to the Teddy Large version

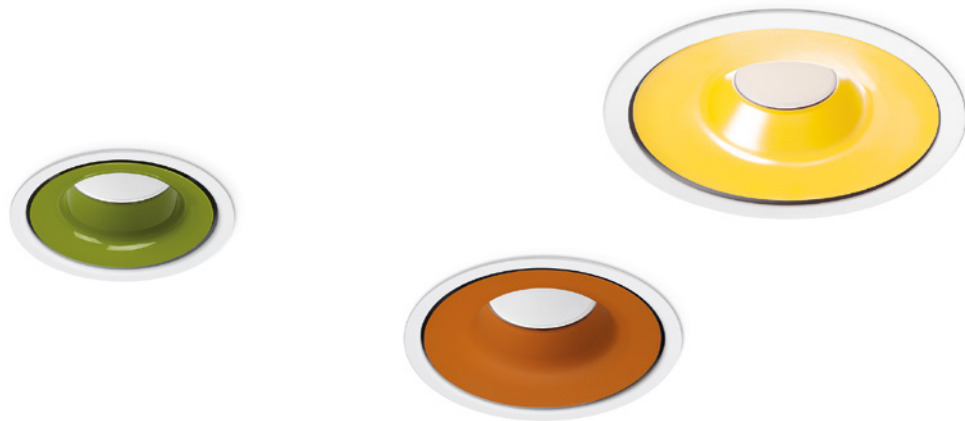
DIMMABLE - 1..10V



this is only available to the Teddy Large version

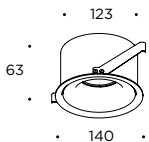
TEDDY

recessed



TEDDY recessed LED luminaire with a housing made from aluminium, finished in matte white, matte black or concrete grey. A decorative ring is available in several finish options and adds the very unique splash of colour to this fitting. In addition to the standard ring offering, a new Comfort range is now also available for TEDDY Large. A remote power supply is available for all versions.

TEDDY SMALL



Code	Finish	Power	Nominal	Kg
371 80 54 42	○ matt white	8W	1365 lm	0,25



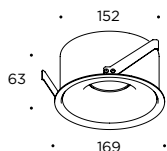
+ TO BE COMPLETED WITH RINGS AND LED DRIVER



Comfort Ring

Code	Finish	
371 90 00 1M	● brick red	E195
371 90 00 10	● lacquered red	E195
371 90 00 17	● matt orange	E195
371 90 00 20	● spring green	E195
371 90 00 33	● corn yellow	E195
371 90 00 42	○ matt white	E195
371 90 00 52	● matt black	E195
371 90 00 64	● baby blue	E195
371 90 00 92	● concrete grey	E195

TEDDY MEDIUM



+ TO BE COMPLETED WITH RINGS AND LED DRIVER



Comfort Ring

Code	Finish	Power	Nominal	Kg
371 81 54 42	○ matt white	15W	2100 lm	0,30

Code	Finish	
371 91 00 1M	● brick red	E193
371 91 00 10	● lacquered red	E193
371 91 00 17	● matt orange	E193
371 91 00 20	● spring green	E193
371 91 00 33	● corn yellow	E193
371 91 00 42	○ matt white	E193
371 91 00 52	● matt black	E193
371 91 00 64	● baby blue	E193
371 91 00 92	● concrete grey	E193

DRIVERS

350 mA for 8W

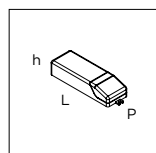
Code	note	LxPxh	Power	Voltage	Frequency
9D0 350 10 AL	-	75x38x22	max 8,4W	220/240V	0/50/60Hz
9DM 007 DD TC	DALI	103x67x21	max 17W	220/240V	50/60Hz
9DM 008 DD TC	DALI	120x52x22	max 15W	220/240V	50/60Hz
9DM 028 DA TC	PUSH / 1..10V	103x67x21	max 18W	220/240V	50/60Hz
9DM 027 DA TC	PUSH / 1..10V	120x52x22	max 17W	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	max 17W	220/240V	50/60Hz

350 mA for 15W

9D0 350 16 AL	-	125x38x23	max 15W	220/240V	0/50/60Hz
9DM 007 DD TC	DALI	103x67x21	max 17W	220/240V	50/60Hz
9DM 008 DD TC	DALI	120x52x22	max 15W	220/240V	50/60Hz
9DM 028 DA TC	PUSH / 1..10V	103x67x21	max 18W	220/240V	50/60Hz
9DM 027 DA TC	PUSH / 1..10V	120x52x22	max 17W	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	max 17W	220/240V	50/60Hz
9DM 021 TF TC	PHASE-CUT.	120x52x22	max 18W	220/240V	50/60Hz

ACCESSORIES

Code	
9G 032	E073



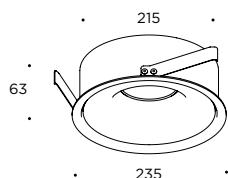
LED DRIVER



Honeycomb Louvre



TEDDY LARGE



Code	Finish	Power	Nominal	Kg
343 80 54 42	○ matt white	15W - 350mA 23W - 500mA max 32W - 700mA	2300 lm 3300 lm 4200 lm	0,55



+ TO BE COMPLETED WITH RINGS AND LED DRIVER



Classic Ring

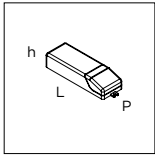
Code	Finish	
343 90 00 1M	● brick red	E071
343 90 00 10	● lacquered red	E071
343 90 00 17	● matt orange	E071
343 90 00 20	● spring green	E071
343 90 00 33	● corn yellow	E071
343 90 00 42	○ matt white	E071
343 90 00 52	● matt black	E071
343 90 00 64	● baby blue	E071
343 90 00 92	● concrete grey	E071



Comfort Ring

NEW

Code	Finish	
343 94 00 1M	● brick red	E194
343 94 00 10	● lacquered red	E194
343 94 00 17	● matt orange	E194
343 94 00 20	● spring green	E194
343 94 00 33	● corn yellow	E194
343 94 00 42	○ matt white	E194
343 94 00 52	● matt black	E194
343 94 00 64	● baby blue	E194
343 94 00 92	● concrete grey	E194



LED DRIVER

DRIVERS

350 mA for 15W

Code	note	LxPxh	Power	Voltage	Frequency
9D0 350 16 AL	-	125x38x23	max 15W	220/240V	0/50/60Hz
9DM 007 DD TC	DALI	103x67x21	max 17W	220/240V	50/60Hz
9DM 008 DD TC	DALI	120x52x22	max 15W	220/240V	50/60Hz
9DM 028 DA TC	PUSH / 1.10V	103x67x21	max 18W	220/240V	50/60Hz
9DM 027 DA TC	PUSH / 1.10V	120x52x22	max 17W	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	max 17W	220/240V	50/60Hz
9DM 021 TF TC	PHASE-CUT.	120x52x22	max 18W	220/240V	50/60Hz

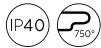
500/700 mA for 23/32W

9DM 022 VS	-	104x68x31	28W (500 mA) 40W (700 mA)	220/240V	50/60Hz
9DM 007 DD TC	DALI	103x67x21	24W (500 mA) 32W (700 mA)	220/240V	50/60Hz
9DM 028 DA TC	PUSH / 1.10V	103x67x21	25W (500 mA) 32W (700 mA)	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	24W (500 mA) 32W (700 mA)	220/240V	50/60Hz

ACCESSORIES



Polycarbonate
opal diffuser



Honeycomb
Louvre



Code



343 92 00

E072

For version Teddy Large.

With this accessory there is no need to order coloured rings.

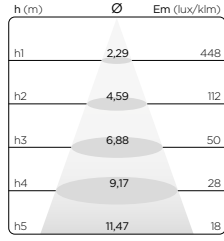
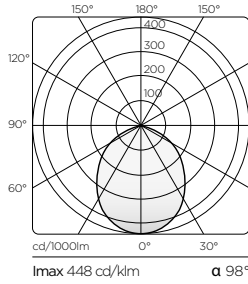
Code



9G 032

E073

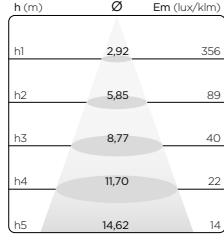
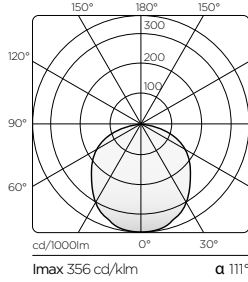
E071



TEDDY

POWER	15W	17W	23W	32W
SOURCE CONSUMPTION	14W	17,2W	20,7W	30W
CRI	85	85	85	85
CCT (K)	3000	3000	3000	3000
NOMINAL FLUX (lm)	2300	2300	3300	4200
FIXTURE FLUX (lm)	1436	1735	2191	3170
EFFICIENCY (lm/W)	102,5	100,8	105,5	105,6

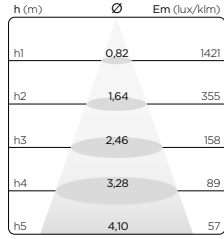
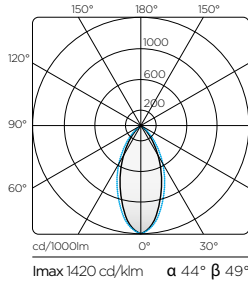
E072



TEDDY

POWER	15W	17W	23W	32W
SOURCE CONSUMPTION	14W	17,2W	20,7W	30W
CRI	85	85	85	85
CCT (K)	3000	3000	3000	3000
NOMINAL FLUX (lm)	2300	2300	3300	4200
FIXTURE FLUX (lm)	856	1014	1281	2200
EFFICIENCY (lm/W)	61,1	58,9	61,7	73,3

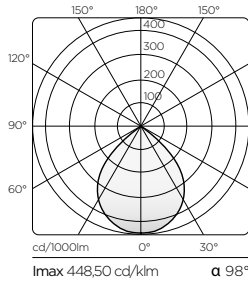
E073



TEDDY

POWER	8W	15W	17W	23W	32W
SOURCE CONSUMPTION	8W	14W	17,2W	20,7W	30W
CRI	85	85	85	85	85
CCT (K)	3000	3000	3000	3000	3000
NOMINAL FLUX (lm)	1365	2300	2300	3300	4200
FIXTURE FLUX (lm)	273	455	552	645	865
EFFICIENCY (lm/W)	34,12	32,5	32,1	31,1	28,8

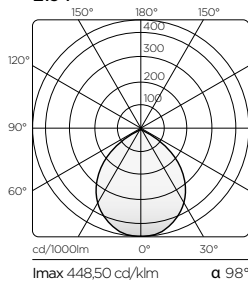
E193



TEDDY

POWER	15W
SOURCE CONSUMPTION	12W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	2100
FIXTURE FLUX (lm)	1575
EFFICIENCY (lm/W)	131,25

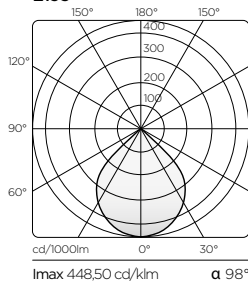
E194



TEDDY

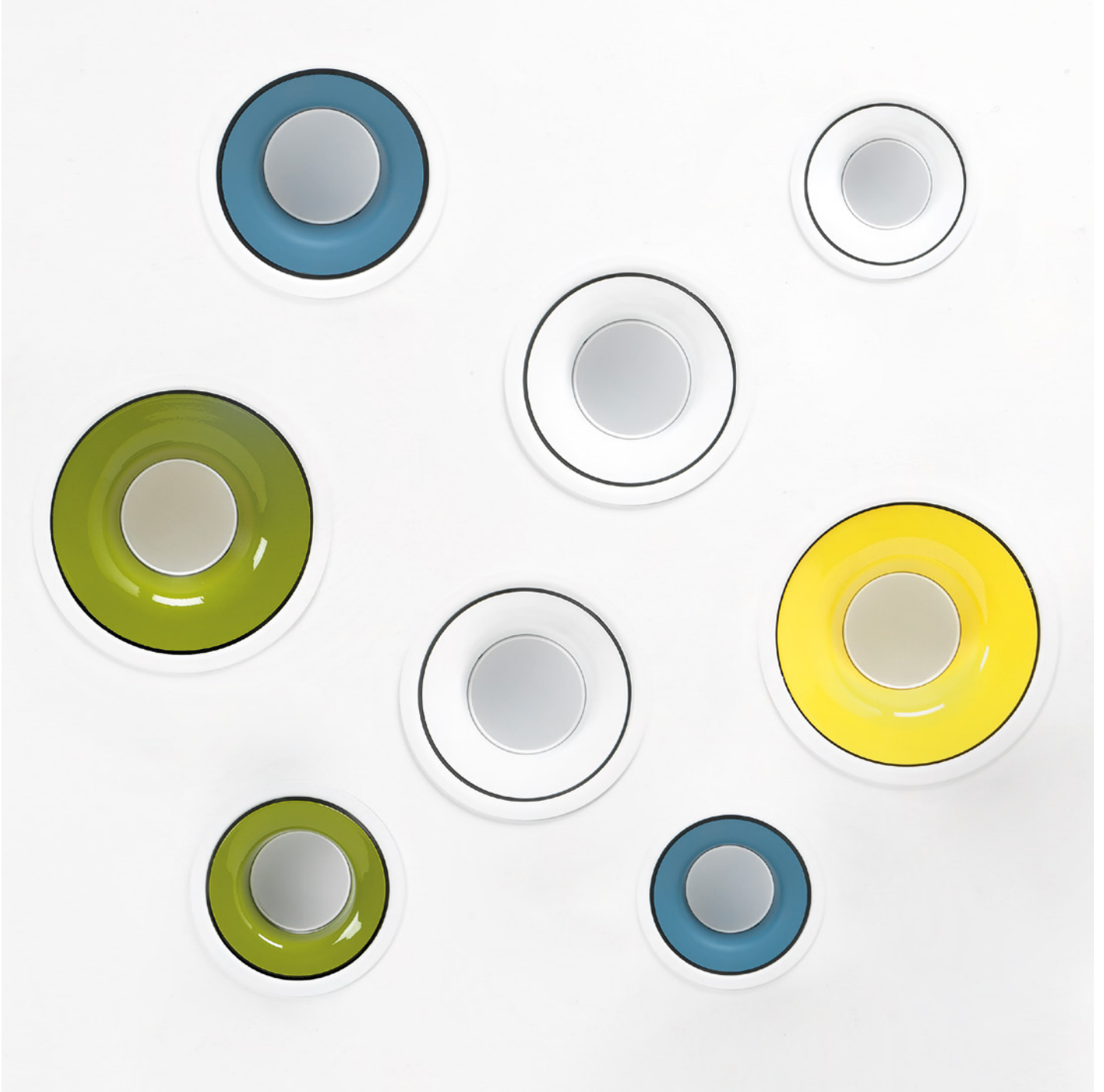
POWER	15W	17W	23W	32W
SOURCE CONSUMPTION	14W	17,2W	20,7W	30W
CRI	85	85	85	85
CCT (K)	3000	3000	3000	3000
NOMINAL FLUX (lm)	2300	2300	3300	4200
FIXTURE FLUX (lm)	1436	1735	2191	3170
EFFICIENCY (lm/W)	102,5	100,8	105,5	105,6

E195



TEDDY

POWER	8W
SOURCE CONSUMPTION	8W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	1365
FIXTURE FLUX (lm)	1020
EFFICIENCY (lm/W)	127,5



Available upon request

CRI 85 4000K



35

NIO SMALL



NIO

NIO is a range of highly versatile LED Spotlights, fitted with a rotating extension arm that allows the light to be guided freely in any direction. The NIO range includes a larger, high power fitting as well as a miniaturized version which makes this range an ideal tool for both large and small-scale architectures. The coloured ring is an aesthetic detail that can make the luminaire 'pop' or blend into the design around it.

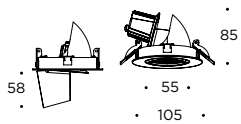


NIO SMALL

recessed



NIO SMALL recessed extractable projector for LED light source. Body in die cast aluminium in matt white or matt black textured varnish suitable for false ceiling thickness up to max. 2cm. Each product needs to be completed with the necessary optic available in several beams and with colour ring included. It can be oriented 350° vertically and this product allows versatile tilting adjustability of outward of 90° horizontally. Remote power supply available as an accessory.



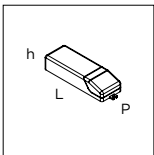
Code	Finish	Power	Nominal
614 80 54 4X ○	matt white txt	13W - 350mA max 18W - 500mA	1630 lm 2175 lm
614 80 54 5X ●	matt black txt	13W - 350mA max 18W - 500mA	1630 lm 2175 lm

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED AND LED DRIVER



Optics with rings included

Code	Finish	Optics			
610 90 50 10/ S	● lacquered red	Spot	21°	E190	
610 90 50 17/ S	● matt orange	Spot	21°	E190	
610 90 50 20/ S	● spring green	Spot	21°	E190	
610 90 50 33/ S	● corn yellow	Spot	21°	E190	
610 90 50 42/ S	○ matt white	Spot	21°	E190	
610 90 50 52/ S	● matt black	Spot	21°	E190	
610 90 50 92/ S	● concrete grey	Spot	21°	E190	
<hr/>					
610 90 50 10/ M	● lacquered red	Medium	38°	E191	
610 90 50 17/ M	● matt orange	Medium	38°	E191	
610 90 50 20/ M	● spring green	Medium	38°	E191	
610 90 50 33/ M	● corn yellow	Medium	38°	E191	
610 90 50 42/ M	○ matt white	Medium	38°	E191	
610 90 50 52/ M	● matt black	Medium	38°	E191	
610 90 50 92/ M	● concrete grey	Medium	38°	E191	
<hr/>					
610 90 50 10/ L	● lacquered red	Large	74°	E192	
610 90 50 17/ L	● matt orange	Large	74°	E192	
610 90 50 20/ L	● spring green	Large	74°	E192	
610 90 50 33/ L	● corn yellow	Large	74°	E192	
610 90 50 42/ L	○ matt white	Large	74°	E192	
610 90 50 52/ L	● matt black	Large	74°	E192	
610 90 50 92/ L	● concrete grey	Large	74°	E192	



LED DRIVER

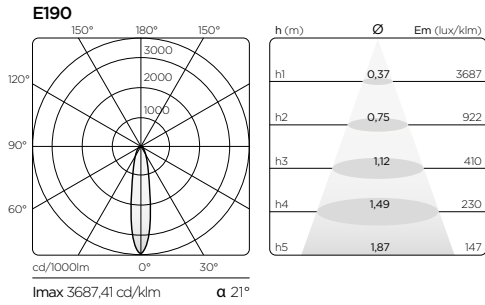
DRIVERS

350 mA for 13W

Code	note	LxPxh	Power	Voltage	Frequency
9D0 350 16 AL	-	125x38x23	max 15W	220/240V	0/50/60Hz
9DM 008DD TC	DALI	120x52x22	max 20W	220/240V	50/60Hz
9DM 027 DA TC	PUSH / 1.10V	120x52x22	max 20W	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	max 24W	220/240V	50/60Hz

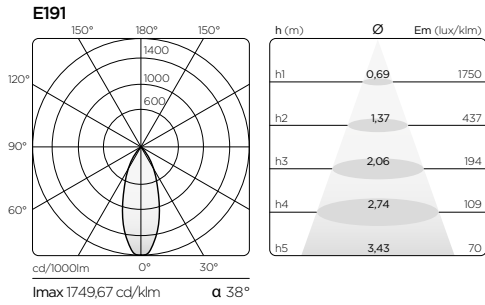
500 mA for 18W

9D0 500 20 AL	-	125x38x23	max 20W	220/240V	0/50/60Hz
9DM 008DD TC	DALI	120x52x22	max 20W	220/240V	50/60Hz
9DM 027 DA TC	PUSH / 1.10V	120x52x22	max 20W	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	max 24W	220/240V	50/60Hz



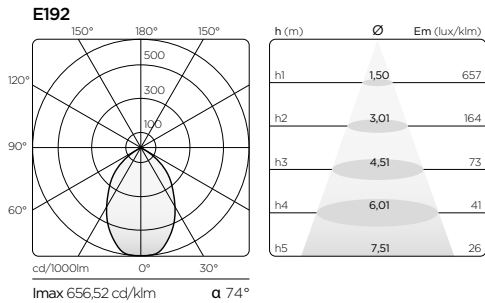
NIO SMALL

POWER	13W	18W
SOURCE CONSUMPTION	12,2W	17,9W
CRI	85	85
CCT (K)	3000	3000
NOMINAL FLUX (lm)	1630	2175
FIXTURE FLUX (lm)	1440	1923
EFFICIENCY (lm/W)	118,03	107,43



NIO SMALL

POWER	13W	18W
SOURCE CONSUMPTION	12,2W	17,9W
CRI	85	85
CCT (K)	3000	3000
NOMINAL FLUX (lm)	1630	2175
FIXTURE FLUX (lm)	1447	1933
EFFICIENCY (lm/W)	118,6	107,9



NIO SMALL

POWER	13W	18W
SOURCE CONSUMPTION	12,2W	17,9W
CRI	85	85
CCT (K)	3000	3000
NOMINAL FLUX (lm)	1630	2175
FIXTURE FLUX (lm)	1158	1547
EFFICIENCY (lm/W)	94,9	86,4

ACCESSORIES

Code Finish

9Q 312 52 ● matt black 10°

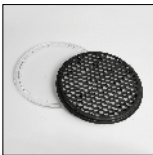
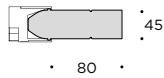
With this accessory there is no need to order coloured rings with optics.

9G 025 ● matt black

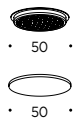
9G 026



Narrow Optics



Honeycomb Louvre



Satin Diffuser



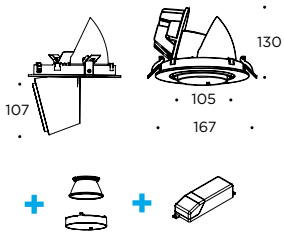


Available upon request

CRI 95 2700K 3000K 4000K



NIO recessed extractable projector for LED light source. Body in die cast aluminium in matt white or matt black textured varnish suitable for false ceiling thickness up to max. 2cm. Each product needs to be completed with the necessary optic available in several beams and with colour ring included. It can be oriented 350° vertically and this product allows versatile tilting adjustability of outward of 90° horizontally. Remote power supply available as an accessory.



Code	Finish	Power	Nominal
602 80 54 42	○ matt white	18W - 500mA max 26W - 700mA	2400 lm 3300 lm
NEW 602 80 54 4X	○ matt white txt	18W - 500mA max 26W - 700mA	2400 lm 3300 lm
602 80 54 52	● matt black	18W - 500mA max 26W - 700mA	2400 lm 3300 lm
NEW 602 80 54 5X	● matt black txt	18W - 500mA max 26W - 700mA	2400 lm 3300 lm
602 80 55 42	○ matt white	40W - 1050mA max 53W - 1400mA	5200 lm 6700 lm
NEW 602 80 55 4X	○ matt white txt	40W - 1050mA max 53W - 1400mA	5200 lm 6700 lm
602 80 55 52	● matt black	40W - 1050mA max 53W - 1400mA	5200 lm 6700 lm
NEW 602 80 55 5X	● matt black txt	40W - 1050mA max 53W - 1400mA	5200 lm 6700 lm

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED AND LED DRIVER



Optics with rings included

Code	Finish	Optics	18/26W	40W	53W
602 90 50 10/ S	● lacquered red	Spot	15° E147	20° E148	26° E149
602 90 50 17/ S	● matt orange	Spot	15° E147	20° E148	26° E149
602 90 50 20/ S	● spring green	Spot	15° E147	20° E148	26° E149
602 90 50 33/ S	● corn yellow	Spot	15° E147	20° E148	26° E149
602 90 50 42/ S	○ matt white	Spot	15° E147	20° E148	26° E149
602 90 50 52/ S	● matt black	Spot	15° E147	20° E148	26° E149
602 90 50 92/ S	● concrete grey	Spot	15° E147	20° E148	26° E149
602 90 50 10/ M	● lacquered red	Medium	30° E002	28° E151	38° E150
602 90 50 17/ M	● matt orange	Medium	30° E002	28° E151	38° E150
602 90 50 20/ M	● spring green	Medium	30° E002	28° E151	38° E150
602 90 50 33/ M	● corn yellow	Medium	30° E002	28° E151	38° E150
602 90 50 42/ M	○ matt white	Medium	30° E002	28° E151	38° E150
602 90 50 52/ M	● matt black	Medium	30° E002	28° E151	38° E150
602 90 50 92/ M	● concrete grey	Medium	30° E002	28° E151	38° E150
602 90 50 10/ W	● lacquered red	Wide	58° E003	60° E154	57° E155
602 90 50 17/ W	● matt orange	Wide	58° E003	60° E154	57° E155
602 90 50 20/ W	● spring green	Wide	58° E003	60° E154	57° E155
602 90 50 33/ W	● corn yellow	Wide	58° E003	60° E154	57° E155
602 90 50 42/ W	○ matt white	Wide	58° E003	60° E154	57° E155
602 90 50 52/ W	● matt black	Wide	58° E003	60° E154	57° E155
602 90 50 92/ W	● concrete grey	Wide	58° E003	60° E154	57° E155

DRIVERS

500/700 mA for 18/26W

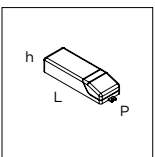
Code	note	LxPxh	Power	Voltage	Frequency
9DM 022 VS	-	104x68x31	28W (500 mA) 40W (700 mA)	220/240V	50/60Hz
9DM 007 DD TC	DALI	103x67x21	24W (500 mA) 32W (700 mA)	220/240V	50/60Hz
9DM 008 DD TC	DALI	120x52x22	20W (500 mA)	220/240V	50/60Hz
9DM 028 DA TC	PUSH / 1..10V	103x67x21	25W (500 mA) 32W (700 mA)	220/240V	50/60Hz
9DM 027 DA TC	PUSH / 1..10V	120x52x22	20W (500 mA)	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	24W (500 mA) 32W (700 mA)	220/240V	50/60Hz
9DM 016 TF TC	PHASE-CUT.	120x52x22	21W (500 mA)	220/240V	50/60Hz

1050 mA for 40W

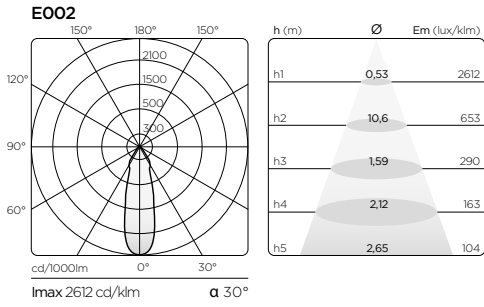
9DM 024 VS	-	1040x60x31	max 45W	220/240V	50/60Hz
9DM 006 DD TC	DALI/ PUSH/1..10V	124x79x22	max 50W	220/240V	50/60Hz

1400 mA for 53W

9D 1400 60 TR	-	160x82x34	max 60W	220/240V	50/60Hz
9DM 020 DD TC	DALI/ PUSH/1..10V	129x76x30	max 55W	220/240V	50/60Hz

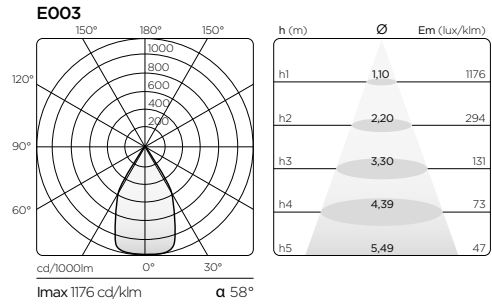


LED DRIVER



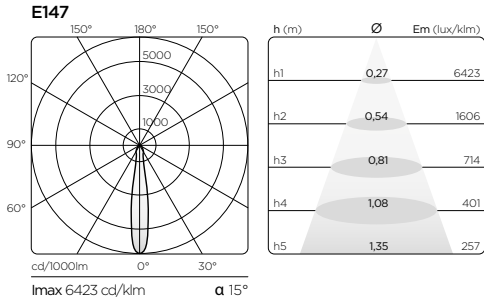
NIO

POWER	18W	26W
SOURCE CONSUMPTION	17,4W	24,7W
CRI CCT (K)	85 3000	85 3000
NOMINAL FLUX (lm)	2400	3300
FIXTURE FLUX (lm)	1655	2285
EFFICIENCY (lm/W)	92,51	92,51



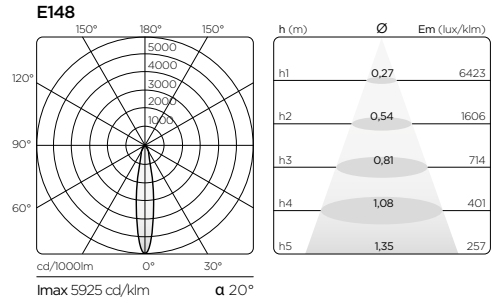
NIO

POWER	18W	26W
SOURCE CONSUMPTION	17,4W	24,7W
CRI CCT (K)	85 3000	85 3000
NOMINAL FLUX (lm)	2400	3300
FIXTURE FLUX (lm)	1650	2280
EFFICIENCY (lm/W)	92,3	92,3



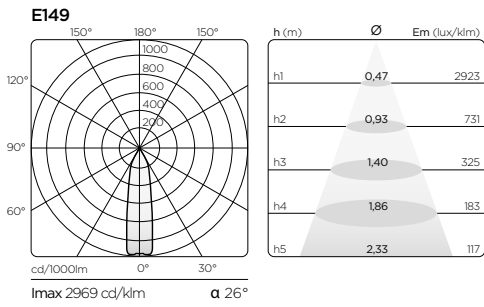
NIO

POWER	18W	26W
SOURCE CONSUMPTION	17,4W	24,7W
CRI CCT (K)	85 3000	85 3000
NOMINAL FLUX (lm)	2400	3300
FIXTURE FLUX (lm)	1691	2321
EFFICIENCY (lm/W)	97,18	93,9



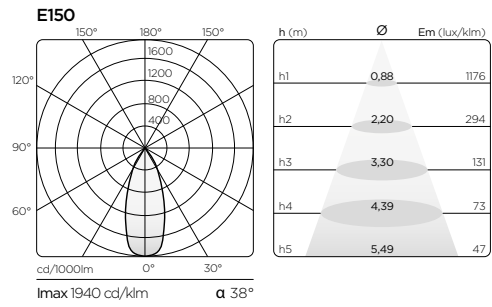
NIO

POWER	40W
SOURCE CONSUMPTION	37,5W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	5200
FIXTURE FLUX (lm)	3567
EFFICIENCY (lm/W)	95,12



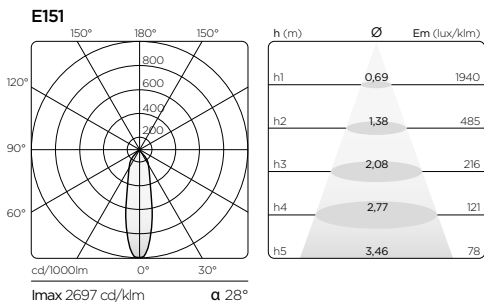
NIO

POWER	53W
SOURCE CONSUMPTION	49,4W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	6700
FIXTURE FLUX (lm)	4769
EFFICIENCY (lm/W)	96,5



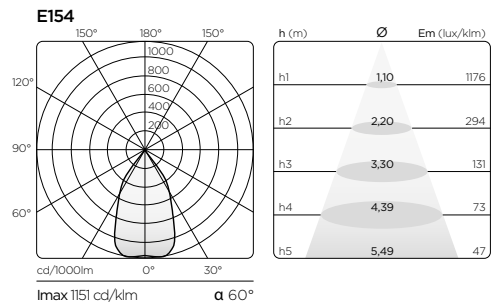
NIO

POWER	53W
SOURCE CONSUMPTION	49,4W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	6700
FIXTURE FLUX (lm)	4739
EFFICIENCY (lm/W)	95,9



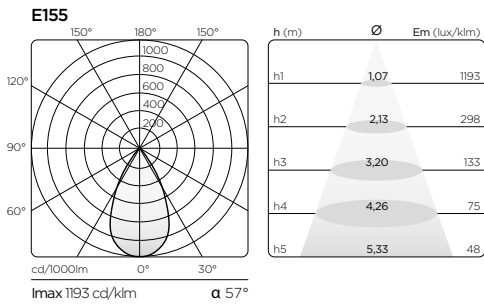
NIO

POWER	40W
SOURCE CONSUMPTION	37,5W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	5200
FIXTURE FLUX (lm)	3555
EFFICIENCY (lm/W)	94,8



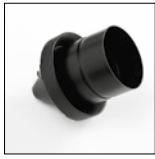
NIO

POWER	40W
SOURCE CONSUMPTION	37,5W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	5200
FIXTURE FLUX (lm)	3533
EFFICIENCY (lm/W)	94,2

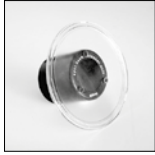
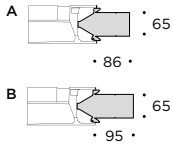


NIO

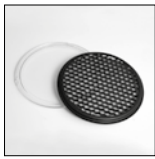
POWER	53W
SOURCE CONSUMPTION	49,4W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	6700
FIXTURE FLUX (lm)	4730
EFFICIENCY (lm/W)	95,7



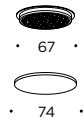
Narrow Optics



Cut Off



Honeycomb Louvre



Satin Diffuser



ACCESSORIES

Code	Finish
9Q 314 52/A	● matt black 10° for version max 26W
9Q 314 52/B	● matt black 10° for version max 40W

With this accessory there is no need to order coloured rings with optics.

Code	note	Kg
9G 018	for version 26W	0,05
9G 021	for version 40/53W	0,05

Code	Finish
9G 019	● matt black

Code
9G 014

Available upon request

CRI 95 2700K 3000K 4000K



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PLURIEL MICRO



PLURIEL

The much loved Pluriel range just got better with the introduction of a new, miniaturized family member. This new fitting has been designed to the optimal ratio between performance and size, to deliver the necessary light levels in a miniature die-cast fitting.

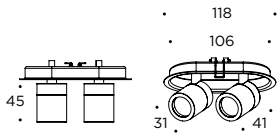
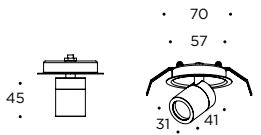




PLURIEL MICRO



recessed



PLURIEL MICRO is a recessed LED fitting featuring either one or two adjustable LED spots, allowing for 350° adjustment horizontally and +/-80° vertically. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately). The luminaire is manufactured from aluminium and is available in matte white, matte black and concrete grey finish. Available for the use with remote power supply.



	Code	Finish	Power	Nominal	Kg
	370 80 54 42	○ matt white	1x4,5W - 500mA	610 lm	0,13
	370 80 54 52	● matt black	1x4,5W - 500mA	610 lm	0,13
	370 80 54 92	● concrete grey	1x4,5W - 500mA	610 lm	0,13

	Code	Finish	Power	Nominal	Kg
	370 81 54 42	○ matt white	2x4,5W - 500mA	2x610 lm	0,25
	370 81 54 52	● matt black	2x4,5W - 500mA	2x610 lm	0,25
	370 81 54 92	● concrete grey	2x4,5W - 500mA	2x610 lm	0,25

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED AND LED DRIVER



Optics with rings included

Code	Finish	Optics			
370 90 50 1M/M	● brick red	Medium	28°	E189	
370 90 50 10/M	● lacquered red	Medium	28°	E189	
370 90 50 17/ M	● matt orange	Medium	28°	E189	
370 90 50 20/M	● spring green	Medium	28°	E189	
370 90 50 33/M	● corn yellow	Medium	28°	E189	
370 90 50 42/M	○ matt white	Medium	28°	E189	
370 90 50 52/M	● matt black	Medium	28°	E189	
370 90 50 64/M	● baby blue	Medium	28°	E189	
370 90 50 92/M	● concrete grey	Medium	28°	E189	
370 90 50 1M/ L	● brick red	Large	53°	E188	
370 90 50 10/ L	● lacquered red	Large	53°	E188	
370 90 50 17/ L	● matt orange	Large	53°	E188	
370 90 50 20/ L	● spring green	Large	53°	E188	
370 90 50 33/ L	● corn yellow	Large	53°	E188	
370 90 50 42/ L	○ matt white	Large	53°	E188	
370 90 50 52/ L	● matt black	Large	53°	E188	
370 90 50 64/ L	● baby blue	Large	53°	E188	
370 90 50 92/ L	● concrete grey	Large	53°	E188	

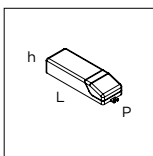
DRIVERS

500 mA for 1x4,5W

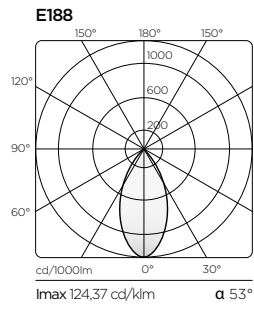
Code	note	LxPxh	Power	Voltage	Frequency
9D0 500 10 AL	-	75x38x22	max 10W	220/240V	0/50/60Hz
9DM 007 DD TC	DALI	103x67x21	max 24W	220/240V	50/60Hz
9DM 008 DD TC	DALI	120x52x22	max 20W	220/240V	50/60Hz
9DM 028 DA TC	PUSH / 1..10V	103x67x21	max 25W	220/240V	50/60Hz
9DM 027 DA TC	PUSH / 1..10V	120x52x22	max 20W	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	max 24W	220/240V	50/60Hz
9DM 016 TF TC	PHASE-CUT.	120x52x22	max 21W	220/240V	50/60Hz

500 mA for 2x4,5W

9D0 500 20 AL	-	125x38x23	max 20W	220/240V	0/50/60Hz
9DM 007 DD TC	DALI	103x67x21	max 24W	220/240V	50/60Hz
9DM 008 DD TC	DALI	120x52x22	max 20W	220/240V	50/60Hz
9DM 028 DA TC	PUSH / 1..10V	103x67x21	max 25W	220/240V	50/60Hz
9DM 027 DA TC	PUSH / 1..10V	120x52x22	max 20W	220/240V	50/60Hz
9DM 012 TF TC	PHASE-CUT.	166x46x34	max 24W	220/240V	50/60Hz
9DM 016 TF TC	PHASE-CUT.	120x52x22	max 21W	220/240V	50/60Hz

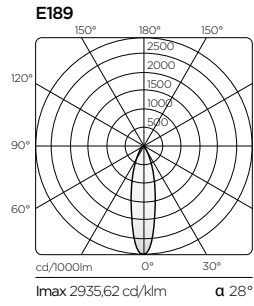


LED DRIVER



PLURIEL MICRO

POWER	4,5W
SOURCE CONSUMPTION	4,5W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	610
FIXTURE FLUX (lm)	286
EFFICIENCY (lm/W)	63,55



PLURIEL MICRO

POWER	4,5W
SOURCE CONSUMPTION	4,5W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	610
FIXTURE FLUX (lm)	373
EFFICIENCY (lm/W)	82,88

ACCESSORIES



Cut Off



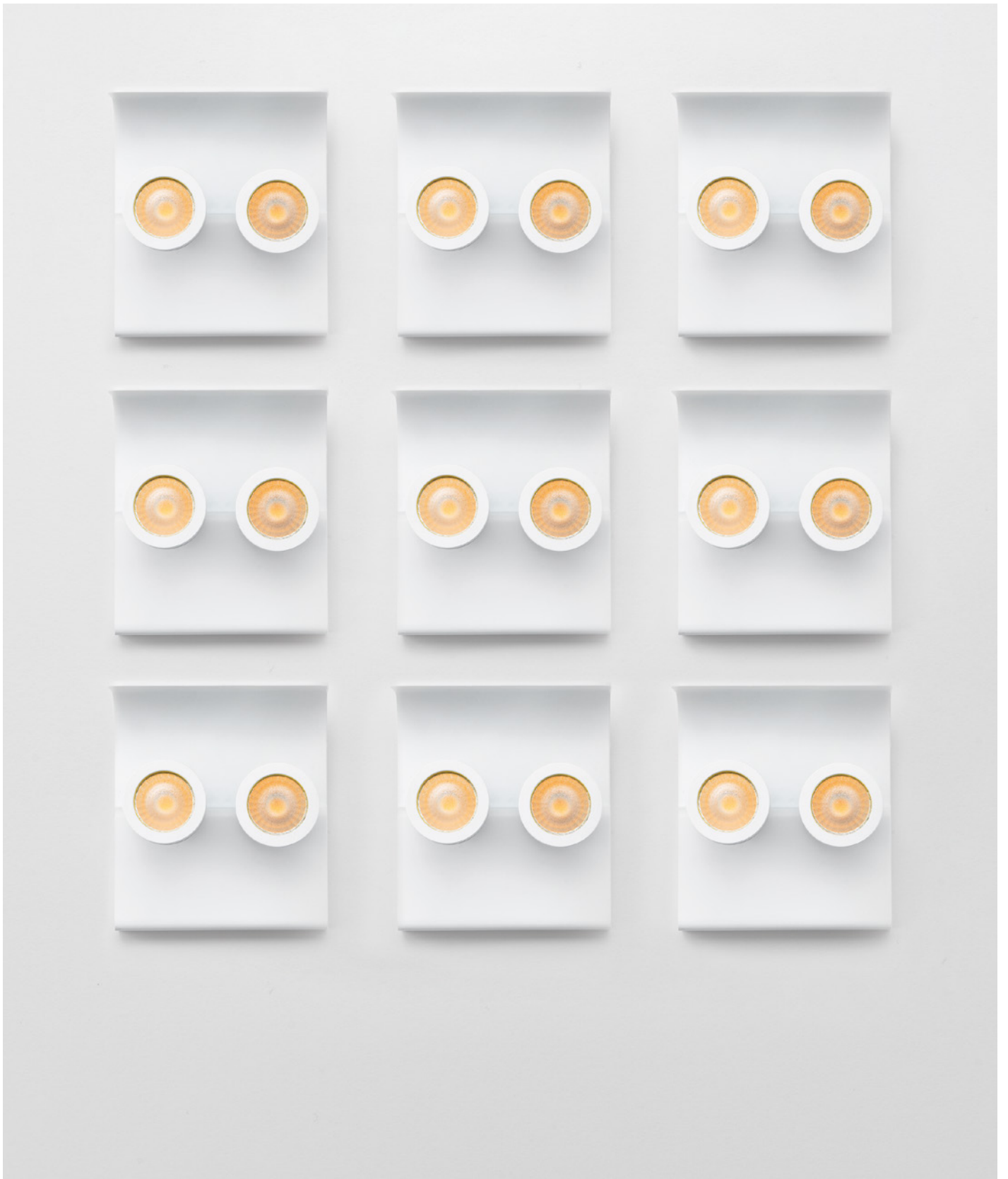
Code Finish

9G 031 ● matt black

Available upon request

CRI 95 2700K 3000K 4000K





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PLURIEL MICRO



PLURIEL

The much loved Pluriel range just got better with the introduction of a new, miniaturized family member. This new fitting has been designed to the optimal ratio between performance and size, to deliver the necessary light levels in a miniature die-cast fitting.

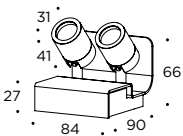



PLURIEL MICRO

wall lamp

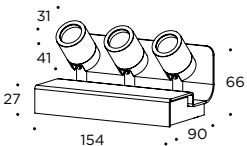



PLURIEL MICRO for wall and ceiling installations is available with two, three or four adjustable LED spots, allowing for 350° adjustment horizontally and +/-80° vertically. The luminaire is manufactured from aluminium and is available in matte white, matte black and concrete grey finish. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately).



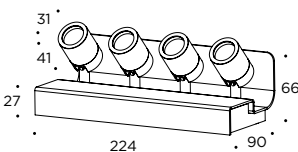
+ 2x 


Code	Finish	Power	Nominal	Kg
370 42 50 42	○ matt white	2x4,5W	2x610 lm	0,56
370 42 50 52	● matt black	2x4,5W	2x610 lm	0,56
370 42 50 92	● concrete grey	2x4,5W	2x610 lm	0,56



+ 3x 

Code	Finish	Power	Nominal	Kg
370 43 50 42	○ matt white	3x4,5W	3x610 lm	0,93
370 43 50 52	● matt black	3x4,5W	3x610 lm	0,93
370 43 50 92	● concrete grey	3x4,5W	3x610 lm	0,93



+ 4x 

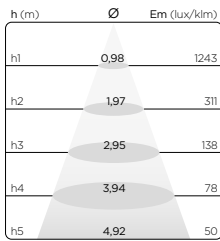
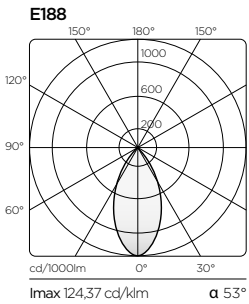
Code	Finish	Power	Nominal	Kg
370 44 50 42	○ matt white	4x4,5W	4x610 lm	1,24
370 44 50 52	● matt black	4x4,5W	4x610 lm	1,24
370 44 50 92	● concrete grey	4x4,5W	4x610 lm	1,24

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



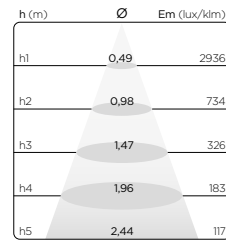
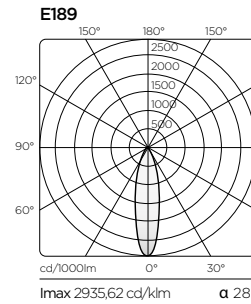
Optics with rings included

Code	Finish	Optics		
370 90 50 1M/M	● brick red	Medium	28°	E189
370 90 50 10/M	● lacquered red	Medium	28°	E189
370 90 50 17/ M	● matt orange	Medium	28°	E189
370 90 50 20/M	● spring green	Medium	28°	E189
370 90 50 33/M	● corn yellow	Medium	28°	E189
370 90 50 42/M	○ matt white	Medium	28°	E189
370 90 50 52/M	● matt black	Medium	28°	E189
370 90 50 64/M	● baby blue	Medium	28°	E189
370 90 50 92/M	● concrete grey	Medium	28°	E189
<hr/>				
370 90 50 1M/ L	● brick red	Large	53°	E188
370 90 50 10/ L	● lacquered red	Large	53°	E188
370 90 50 17/ L	● matt orange	Large	53°	E188
370 90 50 20/ L	● spring green	Large	53°	E188
370 90 50 33/ L	● corn yellow	Large	53°	E188
370 90 50 42/ L	○ matt white	Large	53°	E188
370 90 50 52/ L	● matt black	Large	53°	E188
370 90 50 64/ L	● baby blue	Large	53°	E188
370 90 50 92/ L	● concrete grey	Large	53°	E188



PLURIEL MICRO

POWER	4,5W
SOURCE CONSUMPTION	4,5W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	610
FIXTURE FLUX (lm)	286
EFFICIENCY (lm/W)	63,55



PLURIEL MICRO

POWER	4,5W
SOURCE CONSUMPTION	4,5W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	610
FIXTURE FLUX (lm)	373
EFFICIENCY (lm/W)	82,88

ACCESSORIES

Code	Finish
9G 031	● matt black



Cut Off



Available upon request

CRI 95 2700K 3000K 4000K



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MUSEO MICRO



MUSEO

The Museo range of luminaires has originally been conceived as a lighting tool for architects to enhance historic buildings with a flexible light fitting that seamlessly integrates into the building architecture. The new Museo Micro now completes this offering as a miniaturized version.



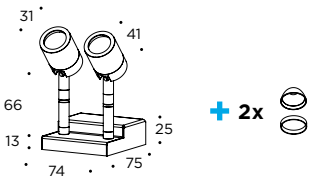
This fitting is even more unobtrusive, thanks to its compact size but also due to application specific finishes such as matte stone grey that blends the fixture with the building perfectly.

MUSEO MICRO

projector



MUSEO MICRO is a base-mounted LED luminaire featuring two, three or four adjustable LED spots, allowing for 350° adjustment horizontally and 90° vertically. The luminaire is manufactured from aluminium and is available in matte white, matte black and concrete grey finish. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately).



CRI 85 - 3000K

Code	Finish	Power	Nominal	Kg
369 42 50 42	○ matt white	2x4,5W	2x610 lm	0,36
369 42 50 52	● matt black	2x4,5W	2x610 lm	0,36
369 42 50 92	● concrete grey	2x4,5W	2x610 lm	0,36

CRI 95 - 2700K

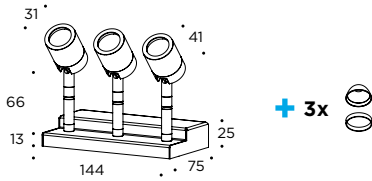
369 42 50 42/9527	○ matt white	2x4,5W	2x483 lm	0,36
369 42 50 52/9527	● matt black	2x4,5W	2x483 lm	0,36
369 42 50 92/9527	● concrete grey	2x4,5W	2x483 lm	0,36

CRI 95 - 3000K

369 42 50 42/9530	○ matt white	2x4,5W	2x504 lm	0,36
369 42 50 52/9530	● matt black	2x4,5W	2x504 lm	0,36
369 42 50 92/9530	● concrete grey	2x4,5W	2x504 lm	0,36

CRI 95 - 4000K

369 42 50 42/9540	○ matt white	2x4,5W	2x518 lm	0,36
369 42 50 52/9540	● matt black	2x4,5W	2x518 lm	0,36
369 42 50 92/9540	● concrete grey	2x4,5W	2x518 lm	0,36



CRI 85 - 3000K

Code	Finish	Power	Nominal	Kg
369 43 50 42	○ matt white	3x4,5W	3x610 lm	0,57
369 43 50 52	● matt black	3x4,5W	3x610 lm	0,57
369 43 50 92	● concrete grey	3x4,5W	3x610 lm	0,57

CRI 95 - 2700K

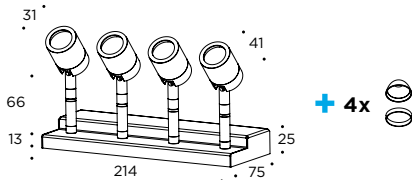
369 43 50 42/9527	○ matt white	3x4,5W	3x483 lm	0,57
369 43 50 52/9527	● matt black	3x4,5W	3x483 lm	0,57
369 43 50 92/9527	● concrete grey	3x4,5W	3x483 lm	0,57

CRI 95 - 3000K

369 43 50 42/9530	○ matt white	3x4,5W	3x504 lm	0,57
369 43 50 52/9530	● matt black	3x4,5W	3x504 lm	0,57
369 43 50 92/9530	● concrete grey	3x4,5W	3x504 lm	0,57

CRI 95 - 4000K

369 43 50 42/9540	○ matt white	3x4,5W	3x518 lm	0,57
369 43 50 52/9540	● matt black	3x4,5W	3x518 lm	0,57
369 43 50 92/9540	● concrete grey	3x4,5W	3x518 lm	0,57



CRI 85 - 3000K

Code	Finish	Power	Nominal	Kg
369 44 50 42	○ matt white	4x4,5W	4x610 lm	0,73
369 44 50 52	● matt black	4x4,5W	4x610 lm	0,73
369 44 50 92	● concrete grey	4x4,5W	4x610 lm	0,73

CRI 95 - 2700K

369 44 50 42/9527	○ matt white	4x4,5W	4x483 lm	0,73
369 44 50 52/9527	● matt black	4x4,5W	4x483 lm	0,73
369 44 50 92/9527	● concrete grey	4x4,5W	4x483 lm	0,73

CRI 95 - 3000K

369 44 50 42/9530	○ matt white	4x4,5W	4x504 lm	0,73
369 44 50 52/9530	● matt black	4x4,5W	4x504 lm	0,73
369 44 50 92/9530	● concrete grey	4x4,5W	4x504 lm	0,73

CRI 95 - 4000K

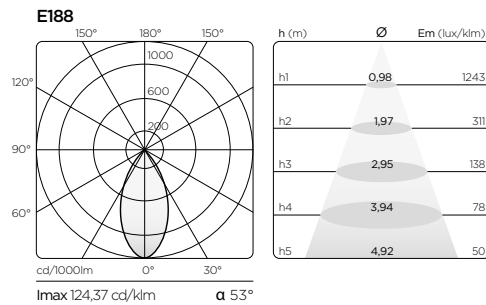
369 44 50 42/9540	○ matt white	4x4,5W	4x518 lm	0,73
369 44 50 52/9540	● matt black	4x4,5W	4x518 lm	0,73
369 44 50 92/9540	● concrete grey	4x4,5W	4x518 lm	0,73

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



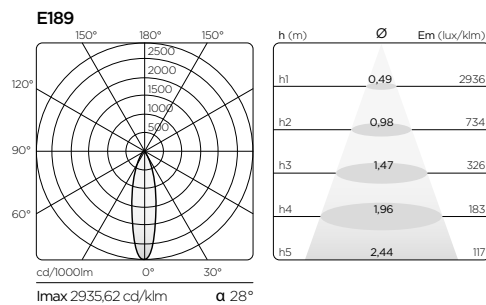
Optics with rings included

Code	Finish	Optics		
370 90 50 1M/M	● brick red	Medium	28°	E189
370 90 50 10/M	● lacquered red	Medium	28°	E189
370 90 50 17/ M	● matt orange	Medium	28°	E189
370 90 50 20/M	● spring green	Medium	28°	E189
370 90 50 33/M	● corn yellow	Medium	28°	E189
370 90 50 42/M	○ matt white	Medium	28°	E189
370 90 50 52/M	● matt black	Medium	28°	E189
370 90 50 64/M	● baby blue	Medium	28°	E189
370 90 50 92/M	● concrete grey	Medium	28°	E189
370 90 50 1M/ L	● brick red	Large	53°	E188
370 90 50 10/ L	● lacquered red	Large	53°	E188
370 90 50 17/ L	● matt orange	Large	53°	E188
370 90 50 20/ L	● spring green	Large	53°	E188
370 90 50 33/ L	● corn yellow	Large	53°	E188
370 90 50 42/ L	○ matt white	Large	53°	E188
370 90 50 52/ L	● matt black	Large	53°	E188
370 90 50 64/ L	● baby blue	Large	53°	E188
370 90 50 92/ L	● concrete grey	Large	53°	E188



MUSEO MICRO

POWER	4,5W	4,5W	4,5W	4,5W
SOURCE CONSUMPTION	4,5W	4,5W	4,5W	4,5W
CRI	85	95	95	95
CCT (K)	3000	2700	3000	4000
NOMINAL FLUX (lm)	610	483	504	518
FIXTURE FLUX (lm)	286	227	237	243
EFFICIENCY (lm/W)	63,55	50,44	52,66	54



MUSEO MICRO

POWER	4,5W	4,5W	4,5W	4,5W
SOURCE CONSUMPTION	4,5W	4,5W	4,5W	4,5W
CRI	85	95	95	95
CCT (K)	3000	2700	3000	4000
NOMINAL FLUX (lm)	610	483	504	518
FIXTURE FLUX (lm)	373	295	307	316
EFFICIENCY (lm/W)	82,88	65,5	68,2	70,22

ACCESSORIES

Code	Finish
9G 031	● matt black



Cut Off







69

TRACK 48



TRACK 48

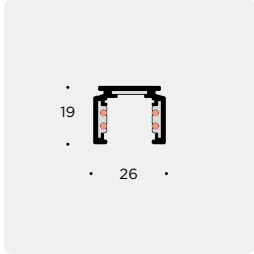
TRACK 48 is a comprehensive 48V LED lighting system made of compact size 48V track and small size LED fixtures. This system supports a wide range of fittings including recessed, suspended or adjustable spotlights, all mounted on the track.



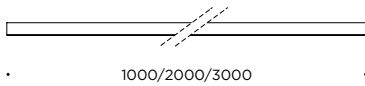
Fittings are quickly installed using a magnetic fitting mechanism, which allows luminaries to be easily adjusted and moved around on the track. TRACK 48 is a versatile tool for many small-scale lighting applications.

TRACK 48

pendant - ceiling system



TRACK 48 is a miniature, low voltage track for suspended or ceiling installations. Manufactured from extruded aluminium, finishes include black and white powder coating. The track is fitted with four isolated conductors for the power supply and two isolated conductors for dimming.



Code	Finish	Length	Kg
711 90 01 40	○ white	1000	0,70
711 90 01 50	● black	1000	0,70
711 90 02 40	○ white	2000	1,40
711 90 02 50	● black	2000	1,40
711 90 03 40	○ white	3000	2,10
711 90 03 50	● black	3000	2,10

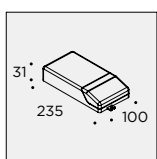
DRIVERS

ON-OFF

Code	Power	Voltage	Frequency
9D 48V 075 TR	max 75W	220/240V	0/50/60Hz
9D 48V 150 TR	max 150W	220/240V	0/50/60Hz

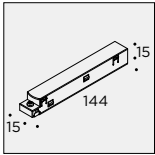
DALI / PUSH

9D 48V 075 DD TR	max 75W	220/240V	0/50/60Hz
9D 48V 150 DD TR	max 150W	220/240V	0/50/60Hz

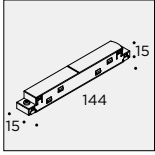


Remote Power Supply 48V

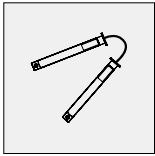
Maximum length from power supply to the last converter $L = 30\text{ m}$



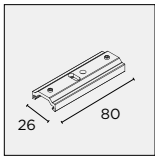
Driver



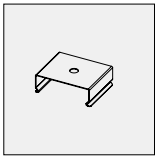
Concealed connector without feeder



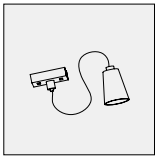
Flexible connector



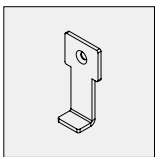
Connector



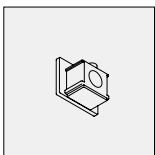
Ceiling bracket



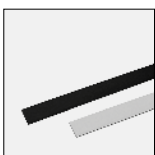
Wire hanger



Brackets for wall installation



End cap side



Bottom cover



Code	Finish	Kg
711 90 04 40	○ white	0,03
711 90 04 50	● black	0,03

CONNECTORS

Code	Finish	Kg
711 90 08 40	○ white	0,03
711 90 08 50	● black	0,03

711 90 11 40	○ white	0,07
711 90 11 50	● black	0,07

711 90 17 40	○ white	0,02
711 90 17 50	● black	0,02

MOUNTING SYSTEMS

Code	Kg
711 90 07 00	0,002

Code	Finish	Length	Kg
711 90 16 40	○ white	max 2000	0,06
711 90 16 50	● black	max 2000	0,06

Code	Kg
711 90 10 00	0,01

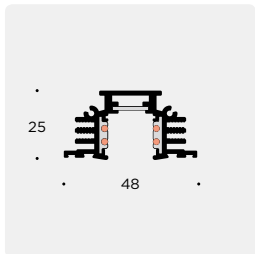
ACCESSORIES

Code	Finish	Kg
711 90 06 40	○ white	0,003
711 90 06 50	● black	0,003

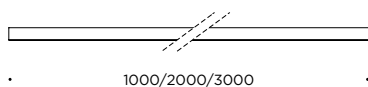
Code	Finish	Length
711 90 23 40	○ white	1000
711 90 23 50	● black	1000

TRACK 48

trimless system



TRACK 48 is a miniature, low voltage track for trimless installations. Manufactured from extruded aluminium, finishes include black powder coating. The track is fitted with four isolated conductors for the power supply and two isolated conductors for dimming.



Code	Finish	Length	Kg
711 80 01 50	● black	1000	1,12
711 80 02 50	● black	2000	2,24
711 80 03 50	● black	3000	3,36

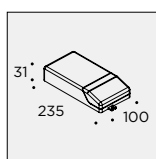
DRIVERS

ON-OFF

Code	Power	Voltage	Frequency
9D 48V 075 TR	max 75W	220/240V	0/50/60Hz
9D 48V 150 TR	max 150W	220/240V	0/50/60Hz

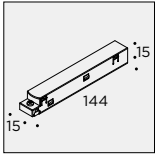
DALI / PUSH

9D 48V 075 DD TR	max 75W	220/240V	0/50/60Hz
9D 48V 150 DD TR	max 150W	220/240V	0/50/60Hz

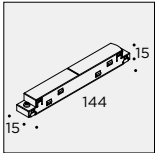


Remote Power Supply 48V

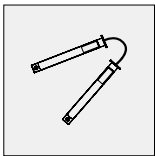
Maximum length from power supply to the last converter $L = 30$ m



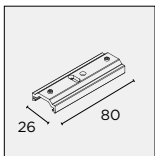
Driver



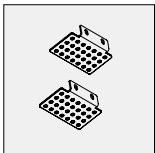
Concealed connector without feeder



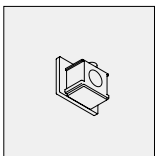
Flexible connector



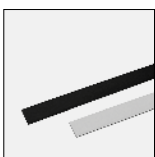
Connector



Couple of brackets for recessed installation



End cap side



Bottom cover



Code	Finish	Kg
711 90 04 40	○ white	0,03
711 90 04 50	● black	0,03

CONNECTORS

Code	Finish	Kg
711 90 08 40	○ white	0,03
711 90 08 50	● black	0,03

Code	Finish	Kg
711 90 11 40	○ white	0,07
711 90 11 50	● black	0,07

711 90 17 40	○ white	0,02
711 90 17 50	● black	0,02

MOUNTING SYSTEMS

Code	Kg
711 81 07 00	0,02

ACCESSORIES

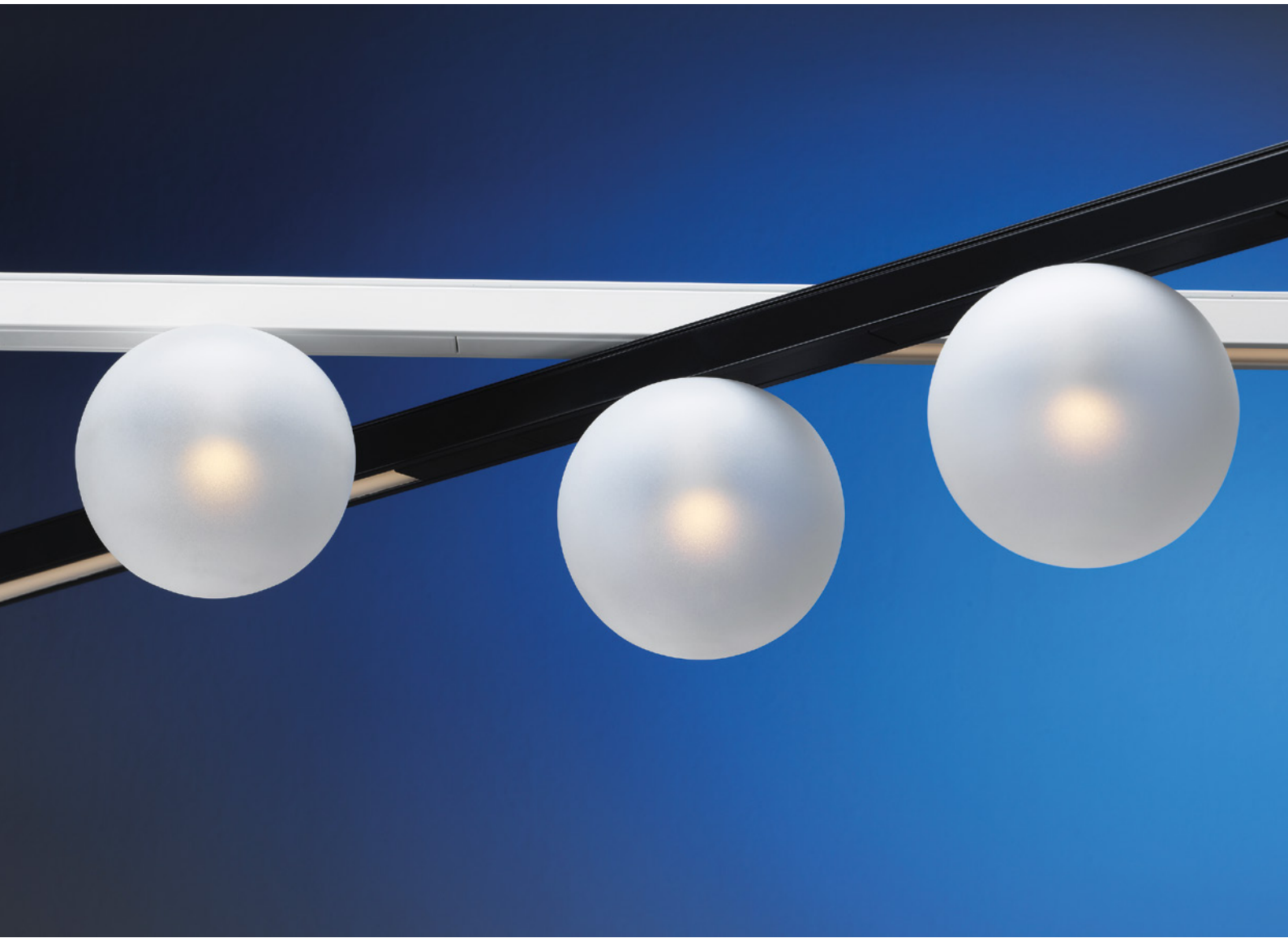
Code	Finish	Kg
711 90 06 40	○ white	0,003
711 90 06 50	● black	0,003

Code	Finish	Length
711 90 23 40	○ white	1000
711 90 23 50	● black	1000



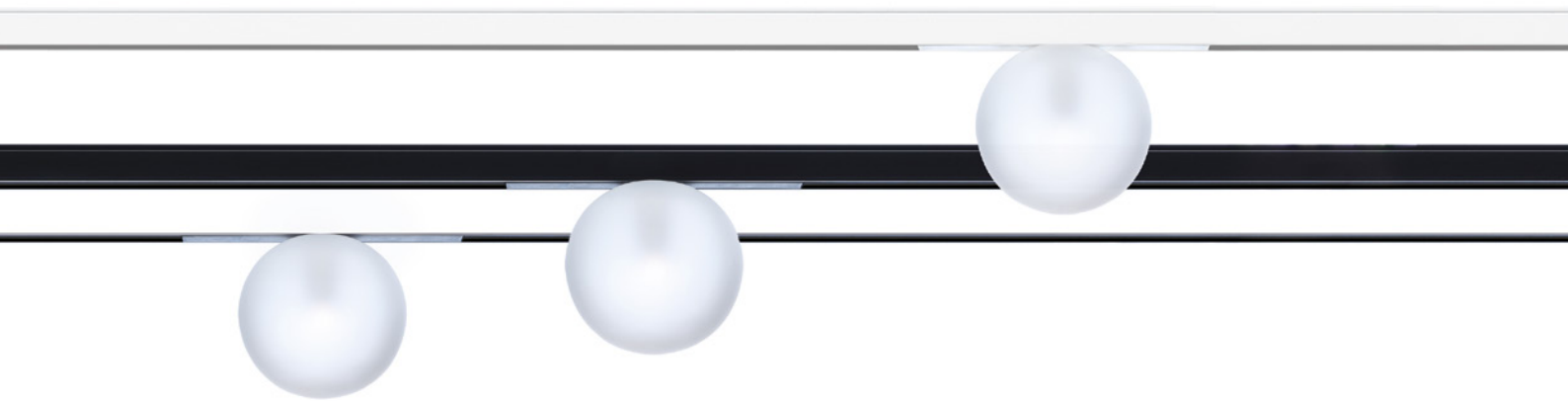
GIOTTO 48

Essential and smooth fixture conceived for a diffuse lighting effect and made of frosted glass. This element special style is conceived to enhance any interior design or installation. The result is a combination of T-bars and fixtures/spots evoking geometrical effects.



GIOTTO 48

ceiling



GIOTTO 48 ceiling for the Track 48 pendant version - ceiling and trimless. Opal glass housing. Each fixture should be equipped with ON-OFF or DALI/PUSH.



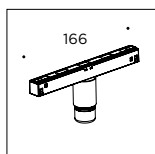
Code



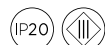
9V 00 1S

E008

+ TO BE COMPLETED WITH ADAPTER



Track 48 adapter for system version pendant/ceiling and trimless



ADAPTER TRACK 48

ON-OFF

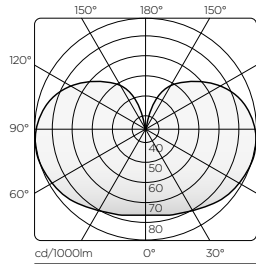
Code	Finish	Power	Nominal
711 91 20 40	○ white	3,5W	310 lm
711 91 20 50	● black	3,5W	310 lm

DALI/PUSH

711 91 65 40	○ white	3,5W	310 lm
711 91 65 50	● black	3,5W	310 lm



E008



GIOTTO 48

POWER	3,5W
SOURCE CONSUMPTION	3,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	310
FIXTURE FLUX (lm)	199
EFFICIENCY (lm/W)	64,19

Available upon request

CRI 85 2700K 4000K

ZIK 48

Direct lighting fixture that is recessed in the T-bar. This element makes the T-bar the lighting component making the most by Exenia's miniature 48 system. Opal screens or micro prisms complete the item by making it flexible for tailored installations and improved performance. Zik 48 is an essential fixture that enhance this miniature, but dynamic system provided by Exenia.



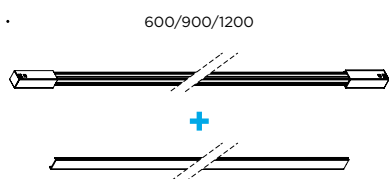


ZIK 48

unit LED



ZIK 48 LED easy snap-in mounted lighting unit to be used with the a trimless ceiling/pendant version of Track 48 system. Opal polycarbonate diffuser or with microprism - needs to ordered separately.



Code	Finish	Power	Nominal	Length	Kg
711 70 50 40	○ white	7W	918 lm	600	0,13
711 70 50 50	● black	7W	918 lm	600	0,13
711 71 50 40	○ white	12W	1470 lm	900	0,20
711 71 50 50	● black	12W	1470 lm	900	0,20
711 72 50 40	○ white	16W	2019 lm	1200	0,26
711 72 50 50	● black	16W	2019 lm	1200	0,26

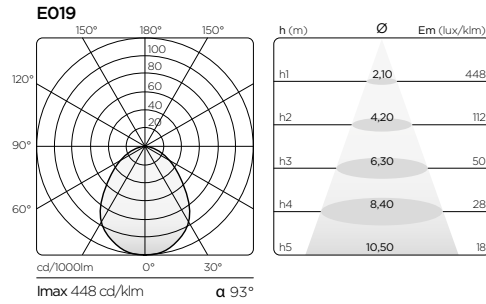
+ TO BE COMPLETED WITH DIFFUSERS



Diffusers

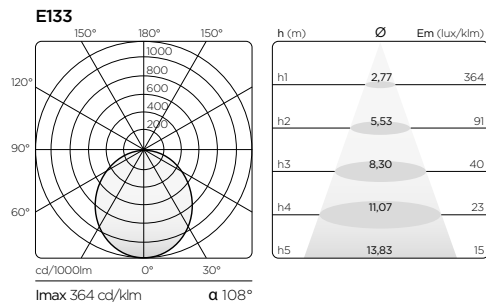
IP40

Code	Diffusers	Length	
9GO 33/047	Opal	470	E133
9GO 34/047	Microprismatic	470	E019
9GO 33/077	Opal	770	E133
9GO 34/077	Microprismatic	770	E019
9GO 33/107	Opal	1070	E133
9GO 34/107	Microprismatic	1070	E019



ZIK 48

POWER	7W	12W	16W
SOURCE CONSUMPTION	7,2W	11,5W	15,8W
CRI	85	85	85
CCT (K)	3000	3000	3000
NOMINAL FLUX (lm)	918	1470	2019
FIXTURE FLUX (lm)	449	720	989
EFFICIENCY (lm/W)	62,36	62,60	62,59



ZIK 48

POWER	7W	12W	16W
SOURCE CONSUMPTION	7,2W	11,5W	15,8W
CRI	85	85	85
CCT (K)	3000	3000	3000
NOMINAL FLUX (lm)	918	1470	2019
FIXTURE FLUX (lm)	523	837	1150
EFFICIENCY (lm/W)	72,63	72,78	72,78

Available upon request

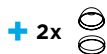
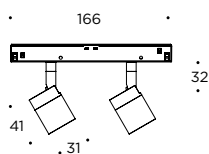
CRI 95 2700K 3000K 4000K

SPOT MICRO 48

projector



SPOT MICRO 48 features two adjustable LED spots for the use on trimless pendant/ceiling TRACK 48 system. LED spots can be adjusted 350° horizontally and +/-90° vertically. Finishes include matte white, matte black and concrete grey. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately). ON-OFF or DALI/PUSH dimming versions available.



ON-OFF

Code	Finish	Power	Nominal
370 T2 50 42 ○	matt white	2x4,5W	2x610 lm
370 T2 50 52 ●	matt black	2x4,5W	2x610 lm
370 T2 50 92 ●	concrete grey	2x4,5W	2x610 lm

DALI/PUSH

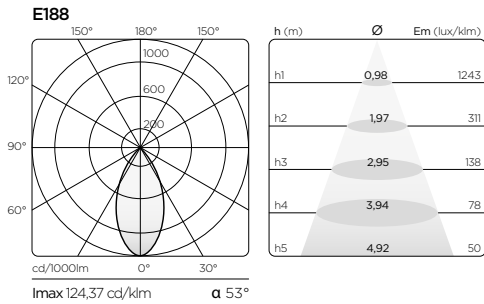
370 T2 65 42 ○	matt white	2x4,5W	2x610 lm
370 T2 65 52 ●	matt black	2x4,5W	2x610 lm
370 T2 65 92 ●	concrete grey	2x4,5W	2x610 lm

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



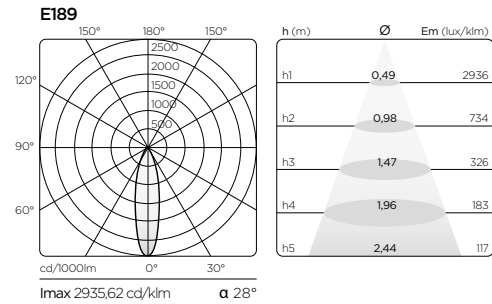
Optics with rings included

Code	Finish	Optics		
370 90 50 1M/M	● brick red	Medium	28°	E189
370 90 50 10/M	● lacquered red	Medium	28°	E189
370 90 50 17/ M	● matt orange	Medium	28°	E189
370 90 50 20/M	● spring green	Medium	28°	E189
370 90 50 33/M	● corn yellow	Medium	28°	E189
370 90 50 42/M	○ matt white	Medium	28°	E189
370 90 50 52/M	● matt black	Medium	28°	E189
370 90 50 64/M	● baby blue	Medium	28°	E189
370 90 50 92/M	● concrete grey	Medium	28°	E189
<hr/>				
370 90 50 1M/ L	● brick red	Large	53°	E188
370 90 50 10/ L	● lacquered red	Large	53°	E188
370 90 50 17/ L	● matt orange	Large	53°	E188
370 90 50 20/ L	● spring green	Large	53°	E188
370 90 50 33/ L	● corn yellow	Large	53°	E188
370 90 50 42/ L	○ matt white	Large	53°	E188
370 90 50 52/ L	● matt black	Large	53°	E188
370 90 50 64/ L	● baby blue	Large	53°	E188
370 90 50 92/ L	● concrete grey	Large	53°	E188



SPOT MICRO 48

POWER	4,5W
SOURCE CONSUMPTION	4,5W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	610
FIXTURE FLUX (lm)	286
EFFICIENCY (lm/W)	63,55



SPOT MICRO 48

POWER	4,5W
SOURCE CONSUMPTION	4,5W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	610
FIXTURE FLUX (lm)	373
EFFICIENCY (lm/W)	82,88

ACCESSORIES

Code	Finish
9G 031	● matt black



Cut Off



Available upon request

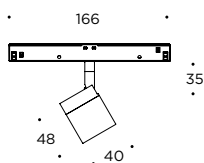
CRI 95 2700K 3000K 4000K

SPOT 48

projector



SPOT 48 features one or two adjustable LED spots for the use on trimless pendant/ceiling TRACK 48 system. LED spots can be adjusted 350° horizontally and +/-90° vertically. Finishes include matte white, matte black and concrete grey. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately). ON-OFF or DALI/PUSH dimming versions available.



+ 1x

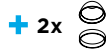
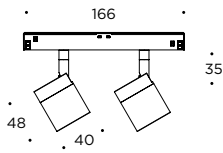
ON-OFF

Code	Finish	Power	Nominal	Kg
353 T1 50 42	○ matt white	6W	700 lm	0,15
353 T1 50 52	● matt black	6W	700 lm	0,15
353 T1 50 92	● concrete grey	6W	700 lm	0,15

DALI/PUSH

Code	Finish	Power	Nominal	Kg
NEW 353 T1 65 42	○ matt white	6W	700 lm	0,15
353 T1 65 52	● matt black	6W	700 lm	0,15
353 T1 65 92	● concrete grey	6W	700 lm	0,15

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



ON-OFF

Code	Finish	Power	Nominal	Kg
NEW 353 T2 50 42	○ matt white	2x6W	2x700 lm	0,25
353 T2 50 52	● matt black	2x6W	2x700 lm	0,25
353 T2 50 92	● concrete grey	2x6W	2x700 lm	0,25

DALI/PUSH

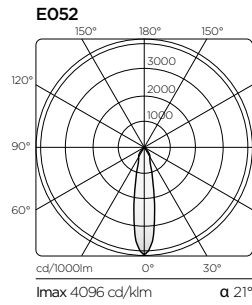
Code	Finish	Power	Nominal	Kg
NEW 353 T2 65 42	○ matt white	2x6W	2x700 lm	0,25
353 T2 65 52	● matt black	2x6W	2x700 lm	0,25
353 T2 65 92	● concrete grey	2x6W	2x700 lm	0,25

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



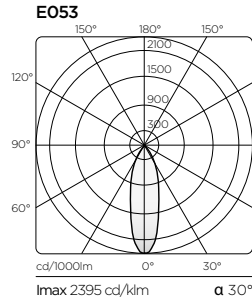
Optics with rings included

Code	Finish	Optics		
353 90 50 1M/M	● brick red	Medium	21°	E052
353 90 50 10/ M	● lacquered red	Medium	21°	E052
353 90 50 17/ M	● matt orange	Medium	21°	E052
353 90 50 20/M	● spring green	Medium	21°	E052
353 90 50 33/M	● corn yellow	Medium	21°	E052
353 90 50 42/M	○ matt white	Medium	21°	E052
353 90 50 52/M	● matt black	Medium	21°	E052
353 90 50 64/M	● baby blue	Medium	21°	E052
353 90 50 92/M	● concrete grey	Medium	21°	E052
<hr/>				
353 90 50 1M/ L	● brick red	Large	30°	E053
353 90 50 10/ L	● lacquered red	Large	30°	E053
353 90 50 17/ L	● matt orange	Large	30°	E053
353 90 50 20/ L	● spring green	Large	30°	E053
353 90 50 33/ L	● corn yellow	Large	30°	E053
353 90 50 42/ L	○ matt white	Large	30°	E053
353 90 50 52/ L	● matt black	Large	30°	E053
353 90 50 64/ L	● baby blue	Large	30°	E053
353 90 50 92/ L	● concrete grey	Large	30°	E053
<hr/>				
353 90 50 1M/W	● brick red	Wide	59°	E054
353 90 50 10/ W	● lacquered red	Wide	59°	E054
353 90 50 17/ W	● matt orange	Wide	59°	E054
353 90 50 20/W	● spring green	Wide	59°	E054
353 90 50 33/W	● corn yellow	Wide	59°	E054
353 90 50 42/W	○ matt white	Wide	59°	E054
353 90 50 52/W	● matt black	Wide	59°	E054
353 90 50 64/W	● baby blue	Wide	59°	E054
353 90 50 92/W	● concrete grey	Wide	59°	E054



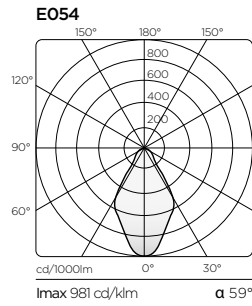
SPOT 48

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	450
EFFICIENCY (lm/W)	73,77



SPOT 48

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	445
EFFICIENCY (lm/W)	72,95



SPOT 48

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	440
EFFICIENCY (lm/W)	72,13

ACCESSORIES

Code	Finish
9G 317 52	● matt black 10°

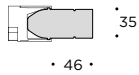
With this accessory there is no need to order coloured rings with optics.

9G 023	● matt black
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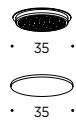
9G 024



Narrow Optics



Honeycomb Louvre



Satin Diffuser





Available upon request

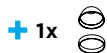
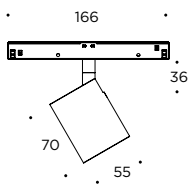
CRI 95	2700K	3000K	4000K
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SPOT PLUS 48

projector



SPOT PLUS 48 features one or two adjustable LED spots for the use on trimless pendant/ceiling TRACK 48 system. LED spots can be adjusted 350° horizontally and +/-90° vertically. Finishes include matte white, matte black and concrete grey. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately). ON-OFF or DALI/PUSH dimming versions available.



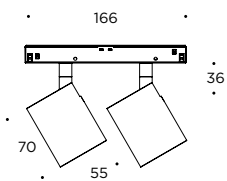
ON-OFF

Code	Finish	Power	Nominal	Kg
364 T1 50 42	○ matt white	13W	1907 lm	0,31
364 T1 50 52	● matt black	13W	1907 lm	0,31
364 T1 50 92	● concrete grey	13W	1907 lm	0,31

DALI/PUSH

Code	Finish	Power	Nominal	Kg
NEW 364 T1 65 42	○ matt white	13W	1907 lm	0,31
364 T1 65 52	● matt black	13W	1907 lm	0,31
364 T1 65 92	● concrete grey	13W	1907 lm	0,31

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



+ 2x

ON-OFF

Code	Finish	Power	Nominal	Kg
NEW 364 T2 50 42	○ matt white	2x13W	2x1907 lm	0,58
364 T2 50 52	● matt black	2x13W	2x1907 lm	0,58
364 T2 50 92	● concrete grey	2x13W	2x1907 lm	0,58

DALI/PUSH

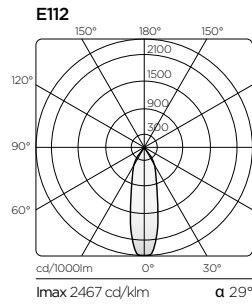
Code	Finish	Power	Nominal	Kg
NEW 364 T2 65 42	○ matt white	2x13W	2x1907 lm	0,58
364 T2 65 52	● matt black	2x13W	2x1907 lm	0,58
364 T2 65 92	● concrete grey	2x13W	2x1907 lm	0,58

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



Optics with rings included

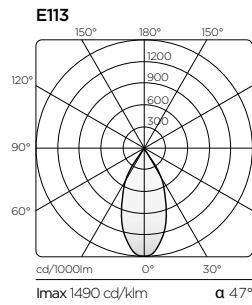
Code	Finish	Optics			
610 90 50 10/ S	● lacquered red	Spot	29°		E112
610 90 50 17/ S	● matt orange	Spot	29°		E112
610 90 50 20/ S	● spring green	Spot	29°		E112
610 90 50 33/ S	● corn yellow	Spot	29°		E112
610 90 50 42/ S	○ matt white	Spot	29°		E112
610 90 50 52/ S	● matt black	Spot	29°		E112
610 90 50 92/ S	● concrete grey	Spot	29°		E112
<hr/>					
610 90 50 10/ M	● lacquered red	Medium	47°		E113
610 90 50 17/ M	● matt orange	Medium	47°		E113
610 90 50 20/ M	● spring green	Medium	47°		E113
610 90 50 33/ M	● corn yellow	Medium	47°		E113
610 90 50 42/ M	○ matt white	Medium	47°		E113
610 90 50 52/ M	● matt black	Medium	47°		E113
610 90 50 92/ M	● concrete grey	Medium	47°		E113
<hr/>					
610 90 50 10/ L	● lacquered red	Large	53°		E114
610 90 50 17/ L	● matt orange	Large	53°		E114
610 90 50 20/ L	● spring green	Large	53°		E114
610 90 50 33/ L	● corn yellow	Large	53°		E114
610 90 50 42/ L	○ matt white	Large	53°		E114
610 90 50 52/ L	● matt black	Large	53°		E114
610 90 50 92/ L	● concrete grey	Large	53°		E114



h (m)	Ø	Em (lux/klm)
h1	0,52	2467
h2	1,04	617
h3	1,57	274
h4	2,09	154
h5	2,61	99

SPOT PLUS 48

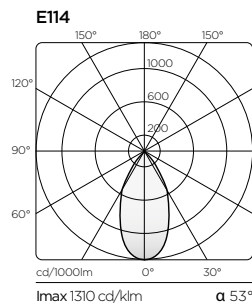
POWER	13W
SOURCE CONSUMPTION	11,8W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	1700
FIXTURE FLUX (lm)	1185
EFFICIENCY (lm/W)	100,4



h (m)	Ø	Em (lux/klm)
h1	0,87	1490
h2	1,74	372
h3	2,61	166
h4	3,48	93
h5	4,35	60

SPOT PLUS 48

POWER	13W
SOURCE CONSUMPTION	11,8W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	1700
FIXTURE FLUX (lm)	1174
EFFICIENCY (lm/W)	99,4



h (m)	Ø	Em (lux/klm)
h1	1,00	1310
h2	2,00	327
h3	3,01	146
h4	4,01	82
h5	5,01	52

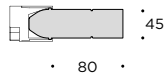
SPOT PLUS 48

POWER	13W
SOURCE CONSUMPTION	11,8W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	1700
FIXTURE FLUX (lm)	1165
EFFICIENCY (lm/W)	98,7

ACCESSORIES



Narrow Optics



Code	Finish	Angle
9Q 312 52	● matt black	10°

With this accessory there is no need to order coloured rings with optics.



Honeycomb Louvre



9G 025	● matt black
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Satin Diffuser



9G 026



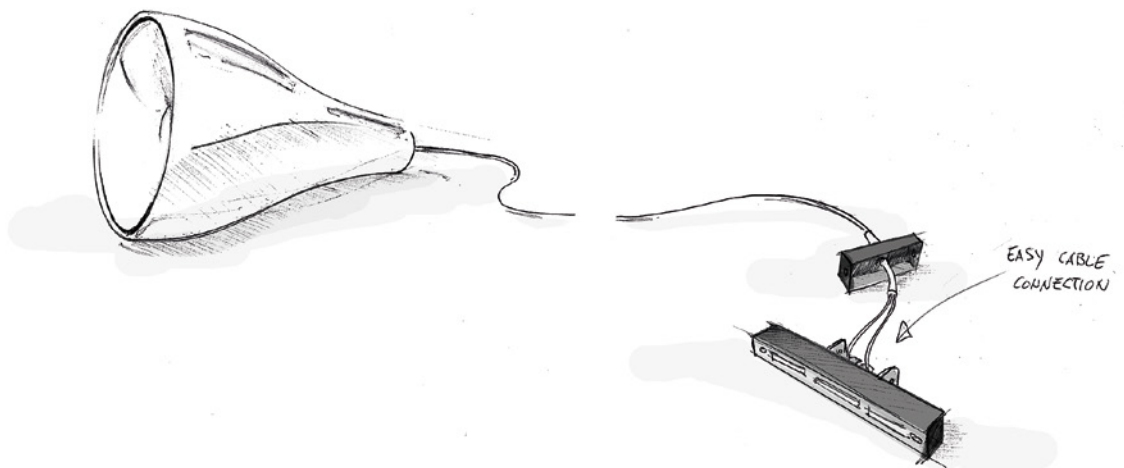
Available upon request

CRI 95 2700K 3000K 4000K



PLURIEL, WILLY & GO!

Pendants to be used with a rear recessed trimless pendant/ceiling Track 48/48-RT system.



PLURIEL 48

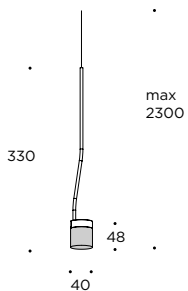
pendant



PLURIEL 48 pendant to be used with a rear recessed trimless pendant/ceiling Track 48/48-RT system. Aluminium housing- brick red, matte white, matte black, baby blue or concrete grey. Available with a sanded PMMA (Poly methyl methacrylate) diffuser that can be partially milled for a perfect light diffusion. This part can be also be made of aluminium equipped with a colored ring including an optic and entirely milled. Each fixture should be fitted with an ON-OFF or DALI/PUSH adapter.

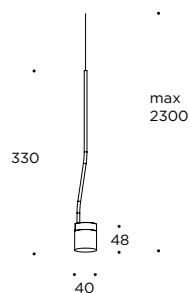
CLEAR

Code	Finish	Power	Nominal
353 51 50 1M	● brick red	3,5W - real 4,5W	340 lm
353 51 50 42	○ matt white	3,5W - real 4,5W	340 lm
353 51 50 52	● matt black	3,5W - real 4,5W	340 lm
353 51 50 64	● baby blue	3,5W - real 4,5W	340 lm
353 51 50 92	● concrete grey	3,5W - real 4,5W	340 lm



+ TO BE COMPLETED WITH ADAPTER

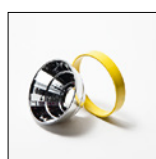
ALUMINIUM



Code	Finish	Power	Nominal
353 50 50 1M	● brick red	3,5W - 350mA	340 lm
353 50 50 42	○ matt white	3,5W - 350mA	340 lm
353 50 50 52	● matt black	3,5W - 350mA	340 lm
353 50 50 64	● baby blue	3,5W - 350mA	340 lm
353 50 50 92	● concrete grey	3,5W - 350mA	340 lm



+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED AND ADAPTER



Optics with rings included

Code	Finish	Optics		
353 90 50 1M/M	● brick red	Medium	21°	E052
353 90 50 10/ M	● lacquered red	Medium	21°	E052
353 90 50 17/ M	● matt orange	Medium	21°	E052
353 90 50 20/M	● spring green	Medium	21°	E052
353 90 50 33/M	● corn yellow	Medium	21°	E052
353 90 50 42/M	○ matt white	Medium	21°	E052
353 90 50 52/M	● matt black	Medium	21°	E052
353 90 50 64/M	● baby blue	Medium	21°	E052
353 90 50 92/M	● concrete grey	Medium	21°	E052
<hr/>				
353 90 50 1M/L	● brick red	Large	30°	E053
353 90 50 10/ L	● lacquered red	Large	30°	E053
353 90 50 17/ L	● matt orange	Large	30°	E053
353 90 50 20/L	● spring green	Large	30°	E053
353 90 50 33/L	● corn yellow	Large	30°	E053
353 90 50 42/L	○ matt white	Large	30°	E053
353 90 50 52/L	● matt black	Large	30°	E053
353 90 50 64/L	● baby blue	Large	30°	E053
353 90 50 92/L	● concrete grey	Large	30°	E053
<hr/>				
353 90 50 1M/W	● brick red	Wide	59°	E054
353 90 50 10/W	● lacquered red	Wide	59°	E054
353 90 50 17/ W	● matt orange	Wide	59°	E054
353 90 50 20/W	● spring green	Wide	59°	E054
353 90 50 33/W	● corn yellow	Wide	59°	E054
353 90 50 42/W	○ matt white	Wide	59°	E054
353 90 50 52/W	● matt black	Wide	59°	E054
353 90 50 64/W	● baby blue	Wide	59°	E054
353 90 50 92/W	● concrete grey	Wide	59°	E054

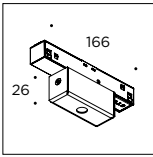
ADAPTER TRACK 48/48-RT

ON-OFF

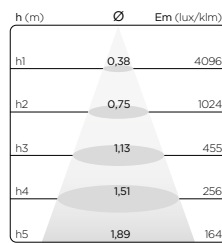
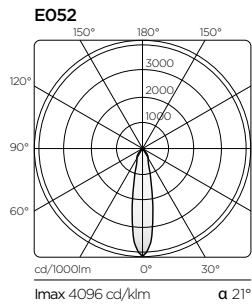
Code	Finish	Kg
711 90 30 40	○ white	0,10
711 90 30 50	● black	0,10

DALI/PUSH

711 90 65 40	○ white	0,10
711 90 65 50	● black	0,10

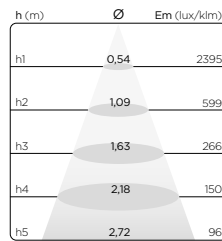
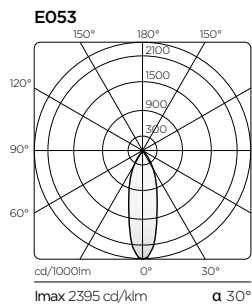


Track 48/48-RT adapter



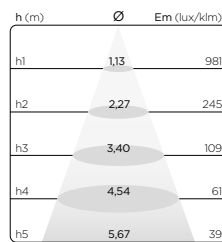
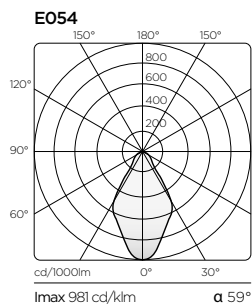
PLURIEL 48

POWER	3,5W
SOURCE CONSUMPTION	3,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	550
FIXTURE FLUX (lm)	360
EFFICIENCY (lm/W)	116,12



PLURIEL 48

POWER	3,5W
SOURCE CONSUMPTION	3,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	550
FIXTURE FLUX (lm)	345
EFFICIENCY (lm/W)	111,2



PLURIEL 48

POWER	3,5W
SOURCE CONSUMPTION	3,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	550
FIXTURE FLUX (lm)	330
EFFICIENCY (lm/W)	106,4

Available upon request

CRI 85 2700K 4000K

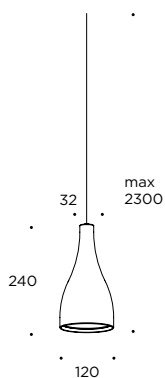


WILLY 48

pendant



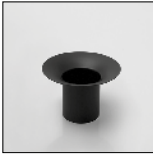
WILLY 48 pendant to be used with a rear recessed trimless pendant/ceiling Track 48/48-RT system. Polished aluminium housing, with external brick red, lacquer red, spring green, wheat yellow, glossy white, matte black, baby blue, concrete grey or with corten finish. Each fixture should be equipped with its colored ring including optic (75 ° beam) and ON-OFF or DALI / PUSH adapter.



Code	Finish	Power	Nominal
313 T1 50 1M	● brick red	6W - real 7,5W	725 lm
313 T1 50 10	● lacquered red	6W - real 7,5W	725 lm
313 T1 50 20	● spring green	6W - real 7,5W	725 lm
313 T1 50 33	● corn yellow	6W - real 7,5W	725 lm
313 T1 50 40	○ glossy white	6W - real 7,5W	725 lm
313 T1 50 52	● matt black	6W - real 7,5W	725 lm
313 T1 50 64	● baby blue	6W - real 7,5W	725 lm
313 T1 50 85	● corten	6W - real 7,5W	725 lm
313 T1 50 92	● concrete grey	6W - real 7,5W	725 lm



+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED AND ADAPTER



Optics with rings included 75°

Code	Finish	
313 92 00 1M	● brick red	E077
313 92 00 10	● lacquered red	E077
313 92 00 20	● spring green	E077
313 92 00 33	● corn yellow	E077
313 92 00 40	○ glossy white	E077
313 92 00 52	● matt black	E077
313 92 00 64	● baby blue	E077
313 92 00 92	● concrete grey	E077

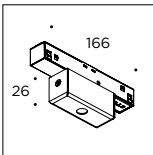
ADAPTER TRACK 48/48-RT

ON-OFF

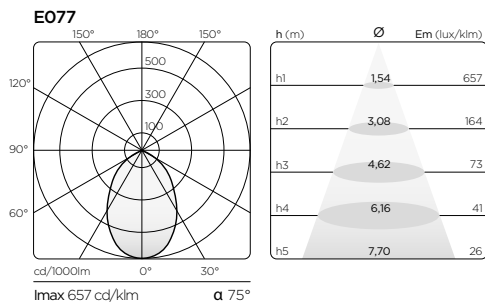
Code	Finish	Kg
711 90 30 40	○ white	0,10
711 90 30 50	● black	0,10

DALI/PUSH

711 90 65 40	○ white	0,10
711 90 65 50	● black	0,10



Track 48/48-RT dapter



WILLY 48

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	725
FIXTURE FLUX (lm)	420
EFFICIENCY (lm/W)	68,85

Available upon request

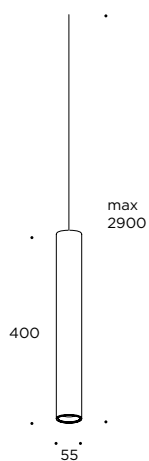
CRI 95 2700K 3000K 4000K

GO! 48







pendant



GO! 48 LED pendant for a rear recessed trimless pendant/ceiling Track 48/48-RT system. Aluminium housing with seven shades. Lacquered red or matte black inside decorative rings are provided as a standard. Each fixture should be equipped with ON-OFF or DALI/PUSH.

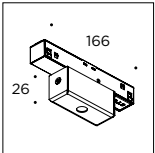


TO BE COMPLETED WITH ADAPTER

Code	Finish	Power	Nominal	
300 T1 51 1M	 brick red	6W - real 7,5W	725 lm	E023
300 T1 51 10	 lacquered red	6W - real 7,5W	725 lm	E023
300 T1 51 40	 glossy white	6W - real 7,5W	725 lm	E023
300 T1 51 52	 matt black	6W - real 7,5W	725 lm	E023
300 T1 51 64	 baby blue	6W - real 7,5W	725 lm	E023
300 T1 51 70	 chrome	6W - real 7,5W	725 lm	E023
300 T1 51 92	 concrete grey	6W - real 7,5W	725 lm	E023



Accessory decorative rings to be ordered separately as an alternative to the lacquered red and matt black rings supplied



Track 48/48-RT adapter



Code	Finish
300 90 00 1M	● brick red
300 90 00 17	● matt orange
300 90 00 20	● spring green
300 90 00 33	● corn yellow
300 90 00 40	○ glossy white
300 90 00 64	● baby blue
300 90 00 92	● concrete grey

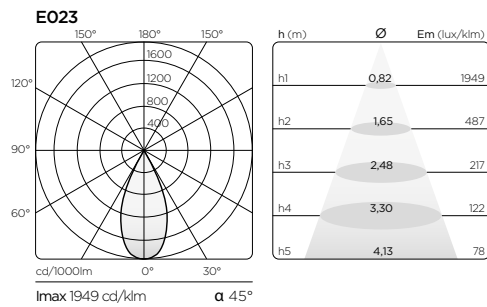
ADAPTER TRACK 48/48-RT

ON-OFF

Code	Finish	Kg
711 90 30 40	○ white	0,10
711 90 30 50	● black	0,10

DALI/PUSH

711 90 65 40	○ white	0,10
711 90 65 50	● black	0,10



GO! 48

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	725
FIXTURE FLUX (lm)	403
EFFICIENCY (lm/W)	66,06

Available upon request

CRI 95 2700K 3000K 4000K



105

TRACK 48-RT



TRACK 48-RT

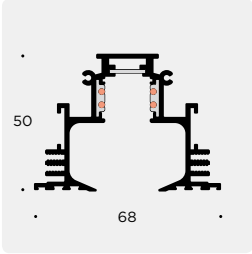
Completing the 48 range, TRACK 48-RT: miniature recessed and trimless system for a smooth and net lighting effect. Track 48-RT is a modular and dynamic solution comprising a powered T-bar/track with miniature low voltage fixtures.



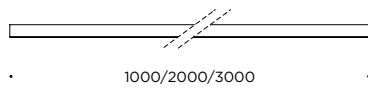
The Track 48-RT allows tailored installations when combined with Spot 48-RT and Willy 48, Go! 48 or Pluriel 48 pendants. The result is an essential layout with hidden adapters.

TRACK 48-RT

recessed - trimless system



TRACK 48-RT miniaturized low voltage T-bar. Recessed and trimless extruded aluminium shape- Powder black. This fixture has four isolated conductors for the power supply and two isolated conductors for the dimming line.



Code	Finish	Length	Kg
711 81 01 50	● black	1000	1,50
711 81 02 50	● black	2000	3,00
711 81 03 50	● black	3000	4,50

DRIVERS

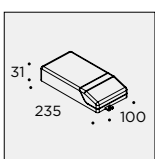
ON-OFF

Code	Power	Voltage	Frequency
9D 48V 075 TR	max 75W	220/240V	0/50/60Hz
9D 48V 150 TR	max 150W	220/240V	0/50/60Hz

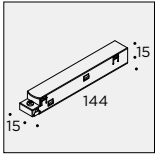
DALI / PUSH

9D 48V 075 DD TR	max 75W	220/240V	0/50/60Hz
9D 48V 150 DD TR	max 150W	220/240V	0/50/60Hz

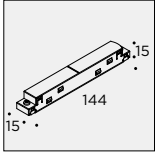
Maximum length from power supply to the last converter $L = 30\text{ m}$



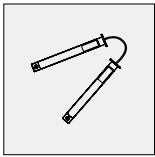
Remote Power Supply 48V



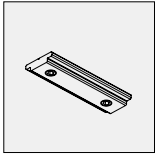
Driver



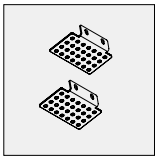
Concealed connector without feeder



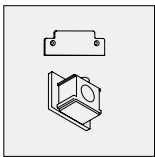
Flexible connector



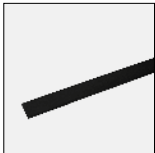
Straight connector



Couple of brackets for recessed installation



End cap side



Bottom cover



Code	Finish	Kg
711 90 04 50	● black	0,03

CONNECTORS

Code	Finish	Kg
711 90 08 50	● black	0,03

Code	Finish	Kg
711 90 11 50	● black	0,07

Code	Finish	Kg
711 81 17 50	● black	0,02

MOUNTING SYSTEMS

Code	Kg
711 81 07 00	0,02

ACCESSORIES

Code	Finish	Kg
711 81 06 50	● black	0,01

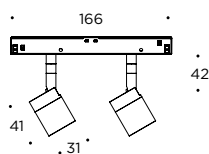
Code	Finish	Length
711 90 23 50	● black	1000

SPOT MICRO 48-RT

projector



SPOT MICRO 48-RT features two adjustable LED spots for the use on rear recessed Track 48-RT system. LED spots can be adjusted 350° horizontally and +/-90° vertically. Finishes include matte white, matte black and concrete grey. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately). ON-OFF or DALI/PUSH dimming versions available.



+ 2x

ON-OFF

Code	Finish	Power	Nominal
370 T4 50 42 ○	matte white	2x4,5W	2x610 lm
370 T4 50 52 ●	matte black	2x4,5W	2x610 lm
370 T4 50 92 ●	concrete grey	2x4,5W	2x610 lm

DALI/PUSH

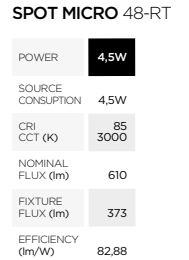
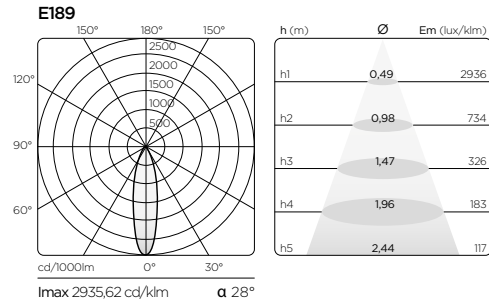
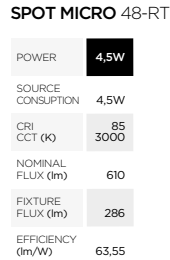
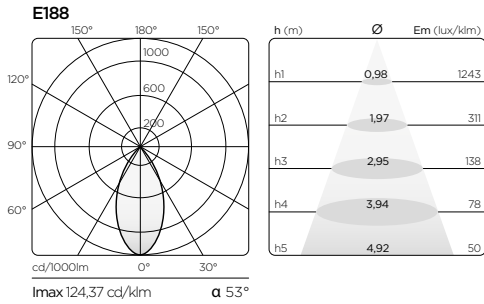
370 T4 65 42 ○	matte white	2x4,5W	2x610 lm
370 T4 65 52 ●	matte black	2x4,5W	2x610 lm
370 T4 65 92 ●	concrete grey	2x4,5W	2x610 lm

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



Optics with rings included

Code	Finish	Optics		
370 90 50 1M/M	● brick red	Medium	28°	E189
370 90 50 10/M	● lacquered red	Medium	28°	E189
370 90 50 17/M	● matt orange	Medium	28°	E189
370 90 50 20/M	● spring green	Medium	28°	E189
370 90 50 33/M	● corn yellow	Medium	28°	E189
370 90 50 42/M	○ matt white	Medium	28°	E189
370 90 50 52/M	● matt black	Medium	28°	E189
370 90 50 64/M	● baby blue	Medium	28°	E189
370 90 50 92/M	● concrete grey	Medium	28°	E189
<hr/>				
370 90 50 1M/L	● brick red	Large	53°	E188
370 90 50 10/L	● lacquered red	Large	53°	E188
370 90 50 17/L	● matt orange	Large	53°	E188
370 90 50 20/L	● spring green	Large	53°	E188
370 90 50 33/L	● corn yellow	Large	53°	E188
370 90 50 42/L	○ matt white	Large	53°	E188
370 90 50 52/L	● matt black	Large	53°	E188
370 90 50 64/L	● baby blue	Large	53°	E188
370 90 50 92/L	● concrete grey	Large	53°	E188



ACCESSORIES



Cut Off



Code	Finish
9G 031	● matt black

Available upon request

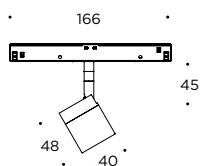
CRI 95 2700K 3000K 4000K

SPOT 48-RT

projector



SPOT 48-RT features one or two adjustable LED spots for the use on rear recessed Track 48-RT system. LED spots can be adjusted 350° horizontally and +/-90° vertically. Finishes include matte white, matte black and concrete grey. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately). ON-OFF or DALI/PUSH dimming versions available.



+ 1x

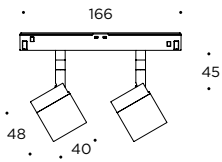
ON-OFF

Code	Finish	Power	Nominal	Kg
353 T3 50 42	○ matt white	6W	700 lm	0,16
353 T3 50 52	● matt black	6W	700 lm	0,16
353 T3 50 92	● concrete grey	6W	700 lm	0,16

DALI/PUSH

353 T3 65 42	○ matt white	6W	700 lm	0,16
353 T3 65 52	● matt black	6W	700 lm	0,16
353 T3 65 92	● concrete grey	6W	700 lm	0,16

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



+ 2x

ON-OFF

Code	Finish	Power	Nominal	Kg
353 T4 50 42	○ matt white	2x6W	2x700 lm	0,27
353 T4 50 52	● matt black	2x6W	2x700 lm	0,27
353 T4 50 92	● concrete grey	2x6W	2x700 lm	0,27

DALI/PUSH

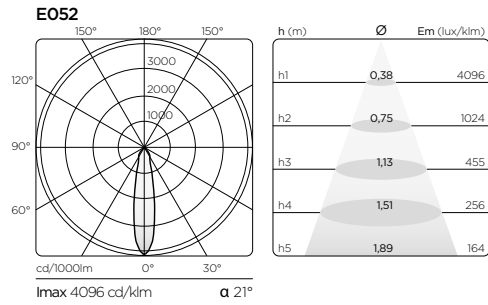
353 T4 65 42	○ matt white	2x6W	2x700 lm	0,27
353 T4 65 52	● matt black	2x6W	2x700 lm	0,27
353 T4 65 92	● concrete grey	2x6W	2x700 lm	0,27

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



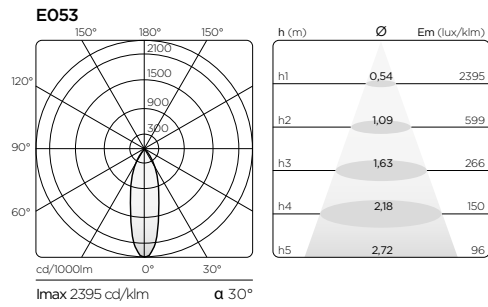
Optics with rings included

Code	Finish	Optics		
353 90 50 1M/M	● brick red	Medium	21°	E052
353 90 50 10/ M	● lacquered red	Medium	21°	E052
353 90 50 17/ M	● matt orange	Medium	21°	E052
353 90 50 20/M	● spring green	Medium	21°	E052
353 90 50 33/M	● corn yellow	Medium	21°	E052
353 90 50 42/M	○ matt white	Medium	21°	E052
353 90 50 52/M	● matt black	Medium	21°	E052
353 90 50 64/M	● baby blue	Medium	21°	E052
353 90 50 92/M	● concrete grey	Medium	21°	E052
353 90 50 1M/ L	● brick red	Large	30°	E053
353 90 50 10/ L	● lacquered red	Large	30°	E053
353 90 50 17/ L	● matt orange	Large	30°	E053
353 90 50 20/ L	● spring green	Large	30°	E053
353 90 50 33/ L	● corn yellow	Large	30°	E053
353 90 50 42/ L	○ matt white	Large	30°	E053
353 90 50 52/ L	● matt black	Large	30°	E053
353 90 50 64/ L	● baby blue	Large	30°	E053
353 90 50 92/ L	● concrete grey	Large	30°	E053
353 90 50 1M/W	● brick red	Wide	59°	E054
353 90 50 10/ W	● lacquered red	Wide	59°	E054
353 90 50 17/ W	● matt orange	Wide	59°	E054
353 90 50 20/W	● spring green	Wide	59°	E054
353 90 50 33/W	● corn yellow	Wide	59°	E054
353 90 50 42/W	○ matt white	Wide	59°	E054
353 90 50 52/W	● matt black	Wide	59°	E054
353 90 50 64/W	● baby blue	Wide	59°	E054
353 90 50 92/W	● concrete grey	Wide	59°	E054



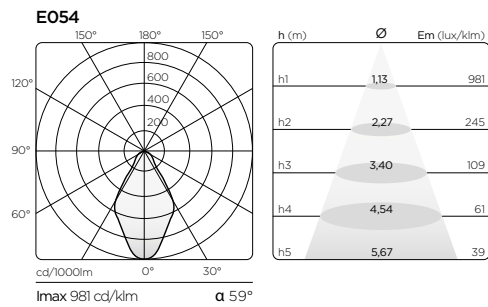
SPOT 48-RT

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	450
EFFICIENCY (lm/W)	73,77



SPOT 48-RT

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	445
EFFICIENCY (lm/W)	72,95



SPOT 48-RT

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	700
FIXTURE FLUX (lm)	440
EFFICIENCY (lm/W)	72,13

ACCESSORIES

Code	Finish	Angle
9G 317 52	● matt black	10°

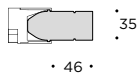
With this accessory there is no need to order coloured rings with optics.

9G 023	● matt black
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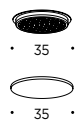
9G 024



Narrow Optics



Honeycomb Louvre



Satin Diffuser





Available upon request

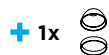
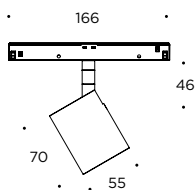
CRI 95 2700K 3000K 4000K

SPOT PLUS 48-RT

projector



SPOT PLUS 48-RT features one or two adjustable LED spots for the use on rear recessed Track 48-RT system. LED spots can be adjusted 350° horizontally and +/-90° vertically. Finishes include matte white, matte black and concrete grey. Each spot needs to be completed with the desired optics assembly including cloured ring (to be ordered separately). ON-OFF or DALI/PUSH dimming versions available.



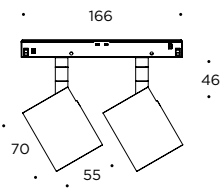
ON-OFF

Code	Finish	Power	Nominal	Kg
364 T3 50 42 ○	matt white	13W	1907 lm	0,32
364 T3 50 52 ●	matt black	13W	1907 lm	0,32
364 T3 50 92 ●	concrete grey	13W	1907 lm	0,32

DALI/PUSH

364 T3 65 42 ○	matt white	13W	1907 lm	0,32
364 T3 65 52 ●	matt black	13W	1907 lm	0,32
364 T3 65 92 ●	concrete grey	13W	1907 lm	0,32

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



+ 2x

ON-OFF

Code	Finish	Power	Nominal	Kg
364 T4 50 42	○ matt white	2x13W	2x1907 lm	0,60
364 T4 50 52	● matt black	2x13W	2x1907 lm	0,60
364 T4 50 92	● concrete grey	2x13W	2x1907 lm	0,60

DALI/PUSH

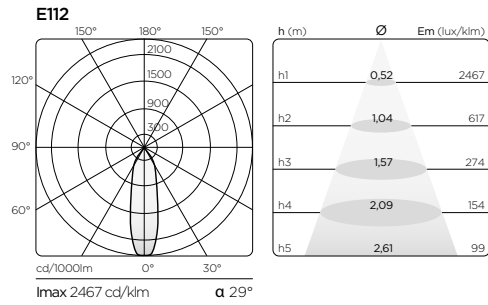
364 T4 65 42	○ matt white	2x13W	2x1907 lm	0,60
364 T4 65 52	● matt black	2x13W	2x1907 lm	0,60
364 T4 65 92	● concrete grey	2x13W	2x1907 lm	0,60

+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED



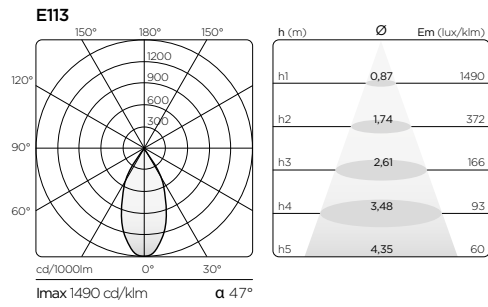
Optics with rings included

Code	Finish	Optics		
610 90 50 10/ S	● lacquered red	Spot	29°	E112
610 90 50 17/ S	● matt orange	Spot	29°	E112
610 90 50 20/ S	● spring green	Spot	29°	E112
610 90 50 33/ S	● corn yellow	Spot	29°	E112
610 90 50 42/ S	○ matt white	Spot	29°	E112
610 90 50 52/ S	● matt black	Spot	29°	E112
610 90 50 92/ S	● concrete grey	Spot	29°	E112
610 90 50 10/ M	● lacquered red	Medium	47°	E113
610 90 50 17/ M	● matt orange	Medium	47°	E113
610 90 50 20/ M	● spring green	Medium	47°	E113
610 90 50 33/ M	● corn yellow	Medium	47°	E113
610 90 50 42/ M	○ matt white	Medium	47°	E113
610 90 50 52/ M	● matt black	Medium	47°	E113
610 90 50 92/ M	● concrete grey	Medium	47°	E113
610 90 50 10/ L	● lacquered red	Large	53°	E114
610 90 50 17/ L	● matt orange	Large	53°	E114
610 90 50 20/ L	● spring green	Large	53°	E114
610 90 50 33/ L	● corn yellow	Large	53°	E114
610 90 50 42/ L	○ matt white	Large	53°	E114
610 90 50 52/ L	● matt black	Large	53°	E114
610 90 50 92/ L	● concrete grey	Large	53°	E114



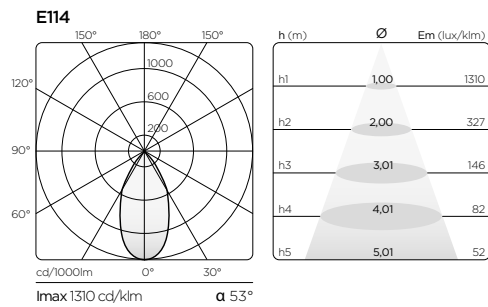
SPOT PLUS 48-RT

POWER	13W
SOURCE CONSUMPTION	11,8W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	1700
FIXTURE FLUX (lm)	1185
EFFICIENCY (lm/W)	100,4



SPOT PLUS 48-RT

POWER	13W
SOURCE CONSUMPTION	11,8W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	1700
FIXTURE FLUX (lm)	1174
EFFICIENCY (lm/W)	99,4



SPOT PLUS 48-RT

POWER	13W
SOURCE CONSUMPTION	11,8W
CRI CCT (K)	85 3000
NOMINAL FLUX (lm)	1700
FIXTURE FLUX (lm)	1165
EFFICIENCY (lm/W)	98,7

ACCESSORIES

Code	Finish
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9Q 312 52 ● matt black 10°

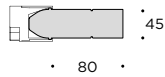
With this accessory there is no need to order coloured rings with optics.

9G 025 ● matt black

9G 026



Narrow Optics

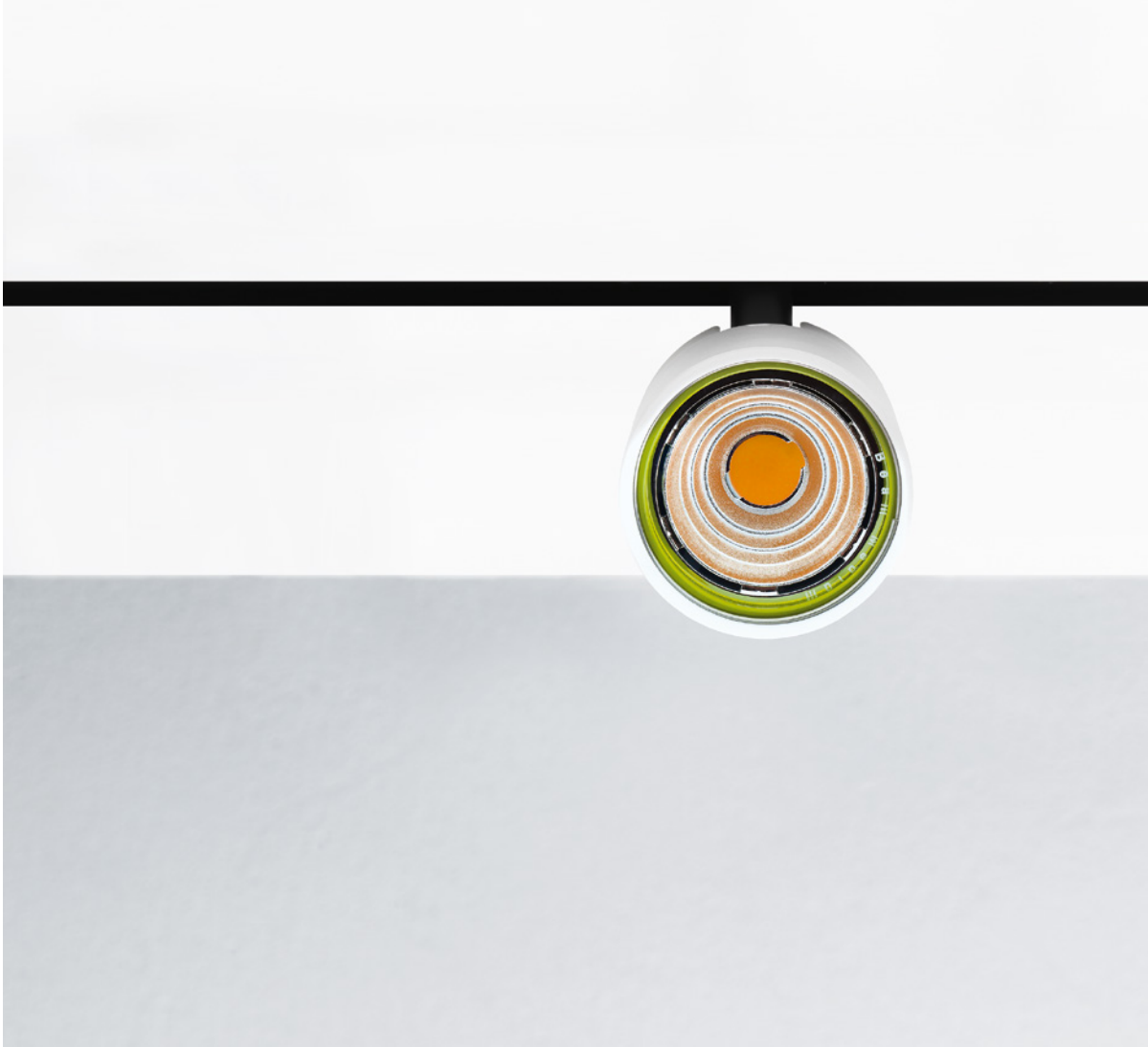


Honeycomb Louvre



Satin Diffuser



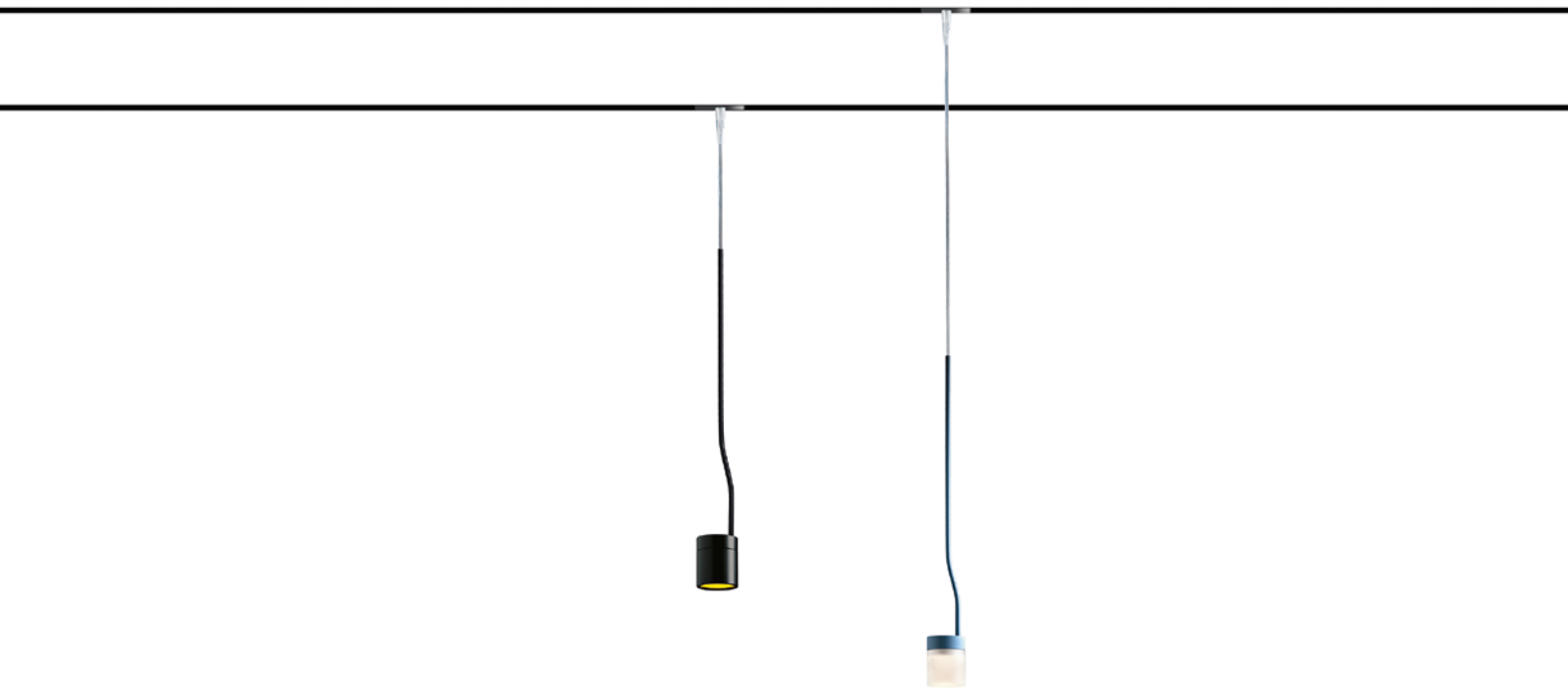


Available upon request

CRI 95 2700K 3000K 4000K

PLURIEL 48

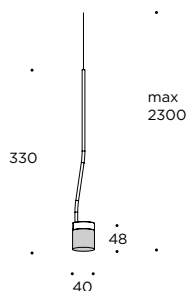
pendant



PLURIEL 48 pendant to be used with a rear recessed trimless pendant/ceiling Track 48/48-RT system. Aluminium housing- brick red, matte white, matte black, baby blue or concrete grey. Available with a sanded PMMA (Poly methyl methacrylate) diffuser that can be partially milled for a perfect light diffusion. This part can be also be made of aluminium equipped with a colored ring including an optic and entirely milled. Each fixture should be fitted with an ON-OFF or DALI/PUSH adapter.

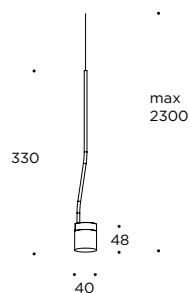
CLEAR

Code	Finish	Power	Nominal
353 51 50 1M	● brick red	3,5W - 350mA	340 lm
353 51 50 42	○ matt white	3,5W - 350mA	340 lm
353 51 50 52	● matt black	3,5W - 350mA	340 lm
353 51 50 64	● baby blue	3,5W - 350mA	340 lm
353 51 50 92	● concrete grey	3,5W - 350mA	340 lm



+ TO BE COMPLETED WITH ADAPTER

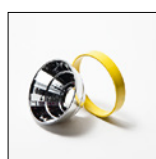
ALUMINIUM



Code	Finish	Power	Nominal
353 50 50 1M	● brick red	3,5W - 350mA	340 lm
353 50 50 42	○ matt white	3,5W - 350mA	340 lm
353 50 50 52	● matt black	3,5W - 350mA	340 lm
353 50 50 64	● baby blue	3,5W - 350mA	340 lm
353 50 50 92	● concrete grey	3,5W - 350mA	340 lm



+ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED AND ADAPTER



Optics with rings included

Code	Finish	Optics		
353 90 50 1M/M	● brick red	Medium	21°	E052
353 90 50 10/ M	● lacquered red	Medium	21°	E052
353 90 50 17/ M	● matt orange	Medium	21°	E052
353 90 50 20/M	● spring green	Medium	21°	E052
353 90 50 33/M	● corn yellow	Medium	21°	E052
353 90 50 42/M	○ matt white	Medium	21°	E052
353 90 50 52/M	● matt black	Medium	21°	E052
353 90 50 64/M	● baby blue	Medium	21°	E052
353 90 50 92/M	● concrete grey	Medium	21°	E052
<hr/>				
353 90 50 1M/L	● brick red	Large	30°	E053
353 90 50 10/ L	● lacquered red	Large	30°	E053
353 90 50 17/ L	● matt orange	Large	30°	E053
353 90 50 20/L	● spring green	Large	30°	E053
353 90 50 33/L	● corn yellow	Large	30°	E053
353 90 50 42/L	○ matt white	Large	30°	E053
353 90 50 52/L	● matt black	Large	30°	E053
353 90 50 64/L	● baby blue	Large	30°	E053
353 90 50 92/L	● concrete grey	Large	30°	E053
<hr/>				
353 90 50 1M/W	● brick red	Wide	59°	E054
353 90 50 10/W	● lacquered red	Wide	59°	E054
353 90 50 17/ W	● matt orange	Wide	59°	E054
353 90 50 20/W	● spring green	Wide	59°	E054
353 90 50 33/W	● corn yellow	Wide	59°	E054
353 90 50 42/W	○ matt white	Wide	59°	E054
353 90 50 52/W	● matt black	Wide	59°	E054
353 90 50 64/W	● baby blue	Wide	59°	E054
353 90 50 92/W	● concrete grey	Wide	59°	E054

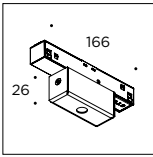
ADAPTER TRACK 48/48-RT

ON-OFF

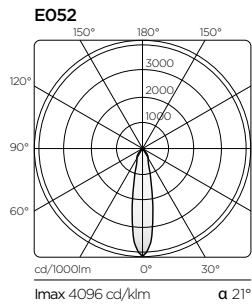
Code	Finish	Kg
711 90 30 50	● black	0,10

DALI/PUSH

711 90 65 50	● black	0,10
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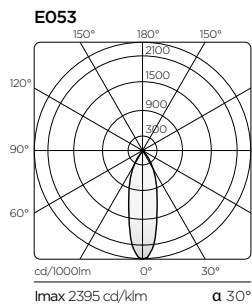


Track 48/48-RT adapter



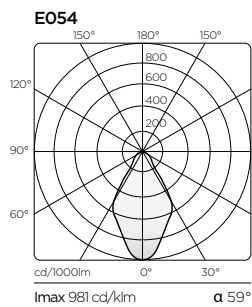
PLURIEL 48

POWER	3,5W
SOURCE CONSUMPTION	3,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	550
FIXTURE FLUX (lm)	360
EFFICIENCY (lm/W)	116,12



PLURIEL 48

POWER	3,5W
SOURCE CONSUMPTION	3,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	550
FIXTURE FLUX (lm)	345
EFFICIENCY (lm/W)	111,2



PLURIEL 48

POWER	3,5W
SOURCE CONSUMPTION	3,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	550
FIXTURE FLUX (lm)	330
EFFICIENCY (lm/W)	106,4

Available upon request

CRI 85 2700K 4000K

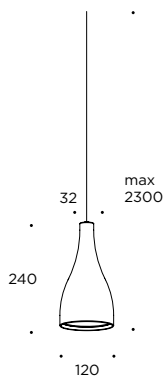


WILLY 48

pendant



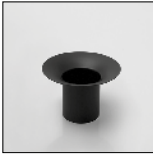
WILLY 48 pendant to be used with a rear recessed trimless pendant/ceiling Track 48/48-RT system. Polished aluminium housing, with external brick red, lacquer red, spring green, wheat yellow, glossy white, matte black, baby blue, concrete grey or with corten finish. Each fixture should be equipped with its colored ring including optic (75 ° beam) and ON-OFF or DALI / PUSH adapter.



Code	Finish	Power	Nominal
313 T1 50 1M	● brick red	6W	725 lm
313 T1 50 10	● lacquered red	6W	725 lm
313 T1 50 20	● spring green	6W	725 lm
313 T1 50 33	● corn yellow	6W	725 lm
313 T1 50 40	○ glossy white	6W	725 lm
313 T1 50 52	● matt black	6W	725 lm
313 T1 50 64	● baby blue	6W	725 lm
313 T1 50 85	● corten	6W	725 lm
313 T1 50 92	● concrete grey	6W	725 lm



➕ TO BE COMPLETED WITH RINGS WITH OPTICS INCLUDED AND ADAPTER



Optics with rings included 75°

Code	Finish	
313 92 00 1M	● brick red	E077
313 92 00 10	● lacquered red	E077
313 92 00 20	● spring green	E077
313 92 00 33	● corn yellow	E077
313 92 00 40	○ glossy white	E077
313 92 00 52	● matt black	E077
313 92 00 64	● baby blue	E077
313 92 00 92	● concrete grey	E077

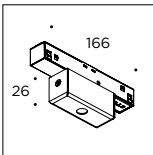
ADAPTER TRACK 48/48-RT

ON-OFF

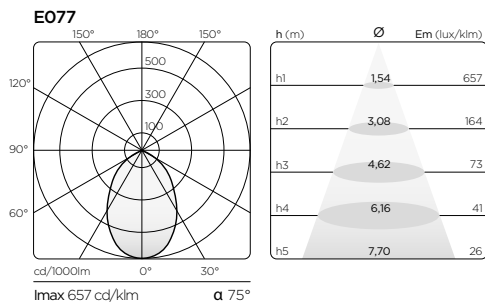
Code	Finish	Kg
711 90 30 50	● black	0,10

DALI/PUSH

711 90 65 50	● black	0,10
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Track 48/48-RT adapter



WILLY 48

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	725
FIXTURE FLUX (lm)	420
EFFICIENCY (lm/W)	68,85

Available upon request

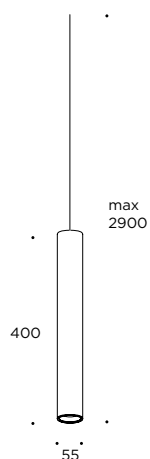
CRI 95 2700K 3000K 4000K

GO! 48


pendant



GO! 48 LED pendant for a rear recessed trimless pendant/ceiling Track 48/48-RT system. Aluminium housing with seven shades. Lacquered red or matte black inside decorative rings are provided as a standard. Each fixture should be equipped with ON-OFF or DALI/PUSH.



TO BE COMPLETED WITH ADAPTER

Code	Finish	Power	Nominal	
300 T1 51 1M	● brick red	6W	725 lm	E023
300 T1 51 10	● lacquered red	6W	725 lm	E023
300 T1 51 40	○ glossy white	6W	725 lm	E023
300 T1 51 52	● matt black	6W	725 lm	E023
300 T1 51 64	● baby blue	6W	725 lm	E023
300 T1 51 70	● chrome	6W	725 lm	E023
300 T1 51 92	● concrete grey	6W	725 lm	E023



Accessory decorative rings to be ordered separately as an alternative to the lacquered red and matt black rings supplied

Code	Finish
300 90 00 1M	● brick red
300 90 00 17	● matt orange
300 90 00 20	● spring green
300 90 00 33	● corn yellow
300 90 00 40	○ glossy white
300 90 00 64	● baby blue
300 90 00 92	● concrete grey

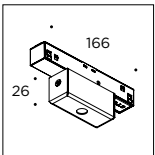
ADAPTER TRACK 48/48-RT

ON-OFF

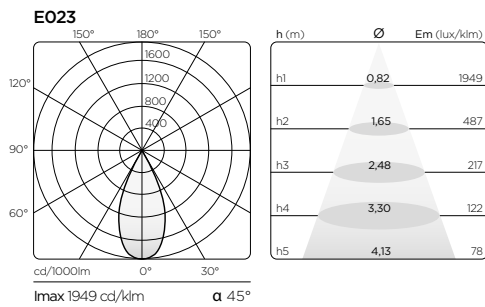
Code	Finish	Kg
711 90 30 50	● black	0,10

DALI/PUSH

711 90 65 50	● black	0,10
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Track 48/48-RT adapter



GO! 48

POWER	6W
SOURCE CONSUMPTION	6,1W
CRI	85
CCT (K)	3000
NOMINAL FLUX (lm)	725
FIXTURE FLUX (lm)	403
EFFICIENCY (lm/W)	66,06

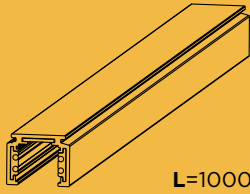
Available upon request

CRI 95	2700K	3000K	4000K
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TRACK 48

711 90 0 - - -

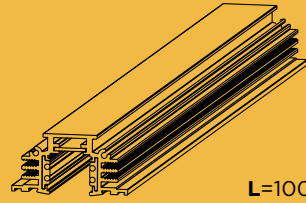
ON-OFF
DALI/PUSH



L=1000/2000/3000

711 80 0 - 50

ON-OFF
DALI/PUSH



L=1000/2000/3000

GIOTTO 48

9V 00 1S

711 91 20 --
ON-OFF

711 91 65 --
DALI/PUSH



GIOTTO 48

9V 00 1S

711 91 20 --
ON-OFF

711 91 65 --
DALI/PUSH



ZIK 48

711 7- 50 --
ON-OFF

9G0 33/--
Opal

9G0 34/--
Micropr.



ZIK 48

711 7- 50 --
ON-OFF

9G0 33/--
Opal

9G0 34/--
Micropr.



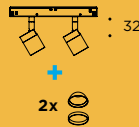
SPOT MICRO 48

370 T2 50 --
ON-OFF

370 90 50 --/M
Medium 28°

370 T2 65 --
DALI/PUSH

370 90 50 --/L
Large 53°



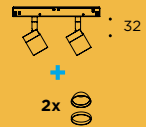
SPOT MICRO 48

370 T2 50 --
ON-OFF

370 90 50 --/M
Medium 28°

370 T2 65 --
DALI/PUSH

370 90 50 --/L
Large 53°



SPOT 48

353 T1 50 --
ON-OFF

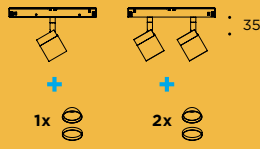
353 90 50 --/M
Medium 21°

353 T1 65 --
DALI/PUSH

353 90 50 --/L
Large 30°

353 T2 65 --
DALI/PUSH

353 90 50 --/W
Wide 59°



SPOT 48

353 T1 50 --
ON-OFF

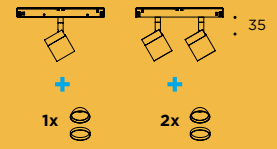
353 90 50 --/M
Medium 21°

353 T1 65 --
DALI/PUSH

353 90 50 --/L
Large 30°

353 T2 65 --
DALI/PUSH

353 90 50 --/W
Wide 59°



SPOT PLUS 48

364 T1 50 --
ON-OFF

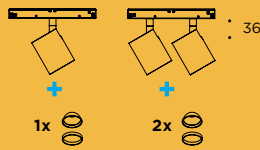
610 90 50 --/S
Spot 29°

364 T1 65 --
DALI/PUSH

610 90 50 --/M
Medium 47°

364 T2 65 --
DALI/PUSH

610 90 50 --/L
Large 53°



SPOT PLUS 48

364 T1 50 --
ON-OFF

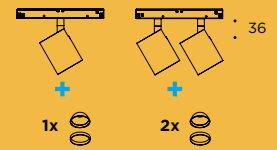
610 90 50 --/S
Spot 29°

364 T1 65 --
DALI/PUSH

610 90 50 --/M
Medium 47°

364 T2 65 --
DALI/PUSH

610 90 50 --/L
Large 53°



PLURIEL 48

353 51 50 --
Clear

711 90 30 --
ON-OFF

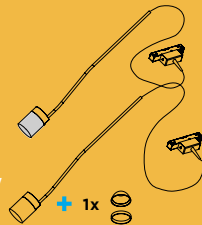
353 50 50 --

711 90 65 --
DALI/PUSH

353 90 50 --/M
Medium 21°

353 90 50 --/L
Large 30°

353 90 50 --/W
Wide 59°



PLURIEL 48

353 51 50 --
Clear

711 90 30 --
ON-OFF

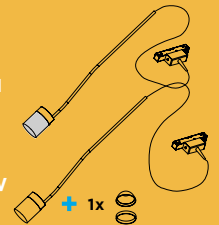
353 50 50 --

711 90 65 --
DALI/PUSH

353 90 50 --/M
Medium 21°

353 90 50 --/L
Large 30°

353 90 50 --/W
Wide 59°



WILLY 48

313 T1 50 --

711 90 30 --
ON-OFF

711 90 65 --
DALI/PUSH

313 92 00 --
75°



WILLY 48

313 T1 50 --

711 90 30 --
ON-OFF

711 90 65 --
DALI/PUSH

313 92 00 --
75°

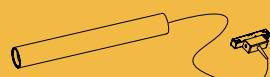


GO! 48

300 T1 51 --

711 90 30 --
ON-OFF

711 90 65 --
DALI/PUSH



GO! 48

300 T1 51 --

711 90 30 --
ON-OFF

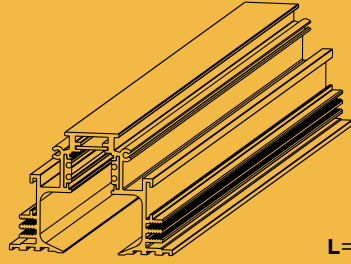
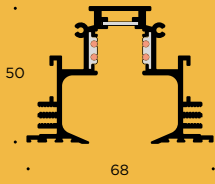
711 90 65 --
DALI/PUSH



TRACK 48-RT

711 81 0 - 50

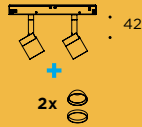
ON-OFF
DALI/PUSH



L=1000/2000/3000

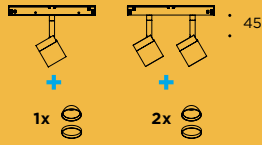
SPOT MICRO 48-RT

- 370 T4 50 -- ON-OFF
- 370 T4 65 -- DALI/PUSH
- 370 90 50 --/M Medium 28°
- 370 90 50 --/L Large 53°



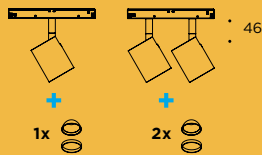
SPOT 48-RT

- 353 T3 50 -- ON-OFF
- 353 T3 65 -- DALI/PUSH
- 353 T4 50 -- ON-OFF
- 353 T4 65 -- DALI/PUSH
- 353 90 50 --/M Medium 21°
- 353 90 50 --/L Large 30°
- 353 90 50 --/W Wide 59°



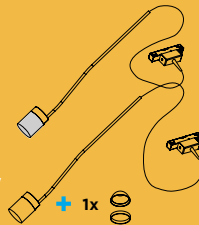
SPOT PLUS 48-RT

- 364 T3 50 -- ON-OFF
- 364 T3 65 -- DALI/PUSH
- 364 T4 50 -- ON-OFF
- 364 T4 65 -- DALI/PUSH
- 610 90 50 --/S Spot 29°
- 610 90 50 --/M Medium 47°
- 610 90 50 --/L Large 53°



PLURIEL 48

- 353 51 50 -- Clear
- 353 50 50 -- DALI/PUSH
- 711 90 30 50 ON-OFF
- 711 90 65 50 DALI/PUSH
- 353 90 50 --/M Medium 21°
- 353 90 50 --/L Large 30°
- 353 90 50 --/W Wide 59°



WILLY 48

- 313 T1 50 -- DALI/PUSH
- 711 90 30 50 ON-OFF
- 711 90 65 50 DALI/PUSH
- 313 92 00 -- 75°



GO! 48

- 300 T1 51 -- DALI/PUSH
- 711 90 30 50 ON-OFF
- 711 90 65 50 DALI/PUSH



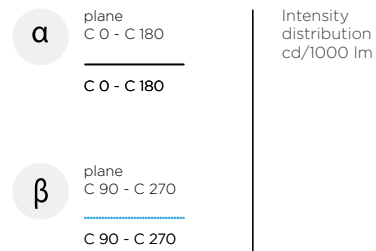
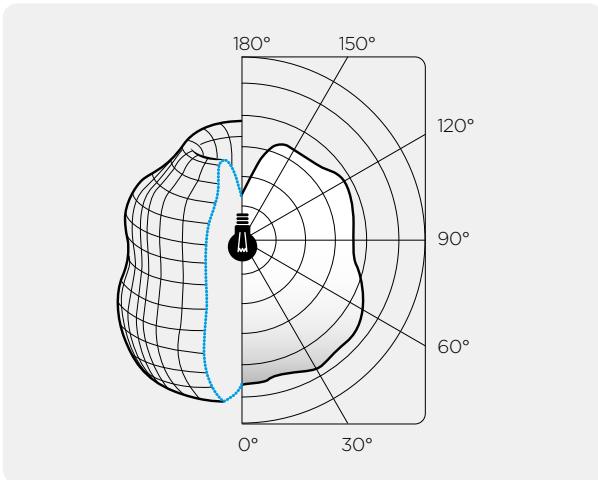
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TECHNICAL DATA

PHOTOMETRIC DATA

In this catalogue, each product has the polar diagrams reported for each power and beam combination.

For ease of reference, the representations of the distributions on international reference levels (C0-C180 and C90-C270) have been summarized for different fixtures with the same distribution of light intensities. For symmetrical and rotosymmetrical fixtures only one curve is represented. For multiple optics products, the photometry should be repeated for the number of units.



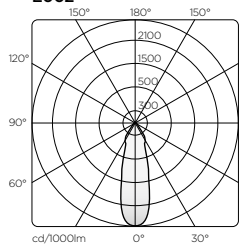
The luminous intensities shown in the diagrams are the relative intensities, therefore, to be multiplied by the flux value of the fixture expressed in klm. Polar curves are only the initial tool to identify the behaviour and the lighting performance in the preliminary stages of each project. After that, the elumdat file should be thoroughly analysed. The elumdat file can be downloaded for each fixture code at our website www.exenia.eu.

PRODUCT NAME

PHOTOMETRY CODE

FIXTURE POWER

E002



Imax 2612 cd/klm α 30°

h (m)	Ø	Em (lux/klm)
h1	0,53	2612
h2	10,6	653
h3	1,59	290
h4	2,12	163
h5	2,65	104

MUSEO COMPACT

POWER	26W	26W	26W	26W	33W	33W	33W	33W
SOURCE CONSUMPTION	24,7W	24,7W	24,7W	24,7W	31,6W	31,6W	31,6W	31,6W
CRI	85	95	95	95	85	95	95	95
CCT (K)	3000	2700	3000	4000	3000	2700	3000	4000
NOMINAL FLUX (lm)	3300	2700	2800	2950	4200	3400	3600	3700
FIXTURE FLUX (lm)	2285	1869	2042	1966	2800	2266	2400	2466
EFFICIENCY (lm/W)	92,51	75,66	75,54	79,62	88,6	71,72	75,94	78,05

AVERAGE ILLUMINATION

SPOT LIGHT DIAMETER

DISTANCE FROM THE SOURCE

MAXIMUM INTENSITY

BEAM ANGLE

UGR IN EXENIA PRODUCTS

The UGR index - Unified Glare Rating - defines the level of irritating glare, produced by the light illuminating a room. The index is defined by many factors which depend on the kind of the fixtures (the emitting surface of the device in relation to the flux play an important role) and the installation environment since the finishes of the walls, the floor, the location of the furnishings, the presence of windows play a role as well.

The value is the result of the following equation:

$$UGR = 8 \log_{10} \left(\frac{0,25}{L_b} \sum_{N_a} \frac{L^2 \omega}{\rho^2} \right)$$

" L_b " and " L^2 " are respectively the luminance of the background and the luminance of the luminous parts of each fixture, " ω " is the solid angle subtended by the same, " ρ " is the Guth position index (function of the longitudinal distance between the human eye, the transverse plane of the source and the transverse distance between the eye and the longitudinal plane of the source).

Although today the assessment of the irritating glare level can be processed by means of a lighting design software, the above-mentioned equation can immediately point out that when defining the UGR parameter, we can consider the background luminance, the overall luminance of the installed fixtures that are in the same field of view by taking into account the solid angle of view of the observer and the position of the devices in relation to the observer.

Making it easier, the luminance is a ratio that considers the light reaching our eyes by reflection from an illuminated surface and the light that comes from an emitting surface. The luminance depends on the intensity of the source and from the apparent area of the surface directed to the observer. It is clear that the luminance value always depends on the observer position with respect to the lighting source.

The regulations which define the UGR value are in the indoor lighting UNI EN 12464-1 2011, CIE publication 117 standards.

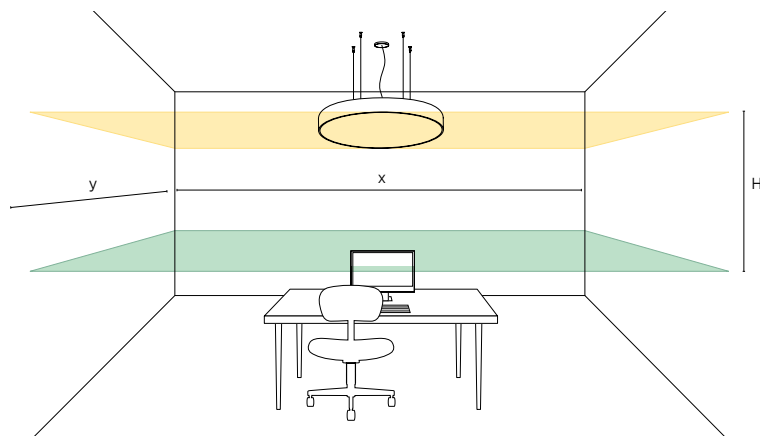
The UGR scale can be considered for minimum values that start at 10 (no glare), up to 30 (high glare). The UGR limits are given every three units (10, 13, 16, 19, 22 etc.) since every three units there is a change to a different class in accordance with the standard,

Some fixtures of our range of products have reference values of the indexes according to the UGR tabular method for reflection coefficients 752 (0.7 ceiling, 0.5 walls, 0.2 floor) which consider $X = 4H$, $Y = 2H$ as room dimensions (H is the height difference between the eye and the light sources).

We would like to remind that these values are samples and valid only in case of use of fixtures which are:




- installed in rectangular rooms;
- installed together with other fixtures of the same type and the same level;
- symmetrical and arranged in parallel to the wall.

For further information or evaluations, we recommend making a simulation by means of a lighting design software.



IEC PROTECTION CLASS

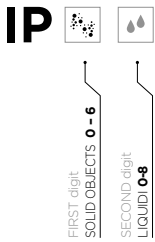
The electrical insulation classes are the homogeneous grouping defined by the IEC (International Electrotechnical Commission) which refers to the technical specifications that are applicable to an electric device to limit the risk of electrocution resulting from a failure of the system.

CLASS	DESCRIPTION
0	<p>These appliances have no protective-earth connection and feature only a single level of insulation between live parts and exposed metalwork. If permitted at all, Class 0 items are intended for use in dry areas only. A single fault could cause an electric shock or other dangerous occurrence, without triggering the automatic operation of any fuse or circuit breaker. Sales of such items have been prohibited in much of the world for safety reasons, for example in the UK by Section 8 of The Low Voltage Electrical Equipment (Safety) Regulations 1989 and New Zealand by the Electricity Act. However, equipment of this class is common in 110V countries, and in much of the 220V developing world, whether permitted officially or not. These appliances must have their chassis connected to electrical earth.</p>
 I	<p>These appliances must have their chassis connected to electrical earth (US: ground) by a separate earth conductor (coloured green/yellow in most countries, green in the US, Canada and Japan). The earth connection is achieved with a 3-conductor mains cable, typically ending with 3-prong AC connector which plugs into a corresponding AC outlet. The basic requirement is that no single failure can result in dangerous voltage becoming exposed so that it might cause an electric shock and that if a fault occurs the supply will be removed automatically (this is sometimes referred to as ADS = Automatic Disconnection of Supply). A fault in the appliance which causes a live conductor to contact the casing will cause a current to flow in the earth conductor. If large enough, this current will trip an over-current device (fuse or circuit breaker (CB)) and disconnect the supply. The disconnection time has to be fast enough not to allow fibrillation to start if a person is in contact with the casing at the time. This time and the current rating in turn sets a maximum earth resistance permissible. To provide supplementary protection against high-impedance faults it is common to recommend a residual-current device (RCD) also known as a residual current circuit breaker (RCCB), ground fault circuit interrupter (GFCI), or residual current operated circuit-breaker with integral over-current protection (RCBO), which will cut off the supply of electricity to the appliance if the currents in the two poles of the supply are not equal and opposite.</p>
 II	<p>A Class II or double insulated electrical appliance is one which has been designed in such a way that it does not require a safety connection to electrical earth (ground), the basic requirement is that no single failure can result in dangerous voltage becoming exposed so that it might cause an electric shock and that this is achieved without relying on an earthed metal casing. This is usually achieved at least in part by having at least two layers of insulating material between live parts and the user, or by using reinforced insulation. In Europe, a double insulated appliance must be labelled Class II or double insulated or bear the double insulation symbol (a square inside another square). Insulated AC/DC power supplies (such as cell-phone chargers) are typically designated as Class II, meaning that the DC output wires are isolated from the AC input. The designation "Class II" should not be confused with the designation "Class 2", as the latter is unrelated to insulation (it originates from standard UL 1310, setting limits on maximum output voltage/current/power).</p>
 III	<p>A Class III appliance is designed to be supplied from a separated/safety extra-low voltage (SELV) power source. The voltage from a SELV supply is low enough that under normal conditions a person can safely come into contact with it without risk of electrical shock. The extra safety features built into Class I and Class II appliances are therefore not required. For medical devices, compliance with Class III is not considered sufficient protection, and further more-stringent regulations apply to such equipment.</p>

PROTECTION LEVEL

The **IP** (International Protection - IEC standard 60529) standard establishes the resistance of a product against the intrusion of solid particles (such as parts of the body and dust) as well as liquids.

The **IP - -** code is followed by two digits according to the table, the first refers to the intrusion of solid bodies, the second to the degree of protection against liquid penetration.



FIRST digit SOLID OBJECTS value 0 - 6	
IP 0 -	No protection against contact and ingress of objects
IP 1 -	Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part >50 mm
IP 2 -	Fingers or similar objects >12.5 mm
IP 3 -	Tools, thick wires, etc >2.5 mm
IP 4 -	Most wires, slender screws, large ants etc. >1 mm
IP 5 -	Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.
IP 6 -	No ingress of dust; complete protection against contact (dust tight). A vacuum must be applied. Test duration of up to 8 hours based on air flow.

SECOND digit LIQUID OBJECTS value 0 - 8	
IP - 0	No protection against contact and ingress of liquid.
IP - 1	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of 15° from its normal position. A total of four positions are tested within two axes. Dripping water.
IP - 2	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of 15° from its normal position. A total of four positions are tested within two axes. Dripping water when tilted at 15°.
IP - 3	Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect, utilizing either: a) an oscillating fixture, or b) A spray nozzle with a counterbalanced shield. Spraying water.
IP - 4	Water splashing against the enclosure from any direction shall have no harmful effect, utilizing either: a) an oscillating fixture, or b) A spray nozzle with no shield. Splashing of water.
IP - 5	Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects. Water jets.
IP - 6	Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects. Powerful water jets.
IP - 7	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion). Immersion, up to 1 m depth.
IP - 8	The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. However, with certain types of equipment, it can mean that water can enter but only in such a manner that it produces no harmful effects. Immersion, 1 m or more depth.

LED LIFE

All LEDs used by EXENIA srl have 100.000 hours of expected life. They are LM80 and TM21 certificated. Except the LED 230V, they have an expected life of 40.000 hours.

LED KEY FEATURES

The EXENIA products in the catalogue use LED lights of the leading brand in the industry, such as CITIZEN™, PANASONIC™, CREE™ and BRIDGELUX™.

In addition, Exenia ensures that its LED COB are selected with SDCM features (standard deviation of colour matching) inside the third step Mac Adam ellipse.

However, compared to the plate data reported by manufacturers you should consider the tolerances that are due to LED manufacturing process. Such tolerances involve small differences between the various sources and manufactures.

DIMENSION

All dimensions are in mm, unless otherwise specified.

FINISHES COLOURS

The colours of the illustrated articles are simply indicative of the real nuance.

☑ Our products enforce the European Community Rules 73/23 CEE - 93/68 CEE - 89/336 CEE and the CE mark is printed on the packaging.

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CONSORZIO ECOLIGHT

EXENIA belongs to the *Consorzio Ecolight* established in 2004 to comply with the provisions of European Directive 2002/96/CE-RAEE converted by Italian law into Legislative Decree No.151 dated 25/07/2005 for the management, recovery and treatment of electrical and electronic devices at the end of their usable life, in respect of all the regulations in force on the subject of environmental safeguards.

EXENIA srl reserves the right to change, at any time and without prior warning, the technical specification of any product shown in this catalogue.

PHOTOBIOLOGICAL RISK

The LED used belongs to the "RG (risk free)" group according to the photobiological risk rating of EN 62471: 2008.

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