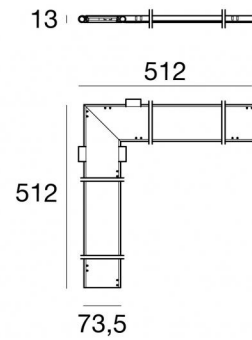


Rollip_PRO



Systems - Lines | 264 topLED 20 W DC 24 V
Modular | CRI 90
65441N



67 x
512 x
512

Technical data	
Type	--- Frame
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Light emission direction	downward
Nominal power	20 W DC
Source lumens	2705 lm
Input voltage range	24V
CCT / Tone	4000 K
Colour rendering index	90 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP40
Optical compartment IP	IP54
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	DALI - 1-10V
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Single emission
Net weight	0.84 Kg
Modularity	Modular
Electrostatic discharge protection	No
Surge protection	No
Optics technology	Dot free

Finishing casing	
Material	Aluminium 6060
Colour	White
Processing	Powder coating

Electronics

	99331 On/Off Driver 198~264V AC / 176~275V DC 150 W (1 art.)
	99332 1-10V Controller (1 - 7 art.)
	99374 On/Off Driver 198~264V AC / 176~275V DC 75 W (1 - 3 art.)
	83333 Push and Simply Dim - DALI-2 Controller (1 - 7 art.)
	C-E400002 Push and Simply Dim - DALI-2 Controller (1 - 12 art.)

Systems - Lines | 264 topLED 20 W DC 24 V | Modular | CRI 90 | + 62461+1
65441N

Single emission systems, lines or lines for indoor application. The natural white LED light source is composed of 264 topLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 2705 lm, with a 135.3 lm/W nominal luminous efficacy.

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The total absorbed power is 20 W.

The device features protection class III and can be ceiling-mounted, with a 67 x 512 x 512 mm hole (in plasterboard).

Compliant with the EN 60598-1 standard and its specific provisions.

Energy efficiency class

This product contains 4 light sources of energy efficiency class E.

Illuminotechnical Features

Light Output Ratio (LOR)	19 %
Source lumens	2705 lm
Delivered lumens	524 lm
Consumption	11 W
Luminaire efficacy	47 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

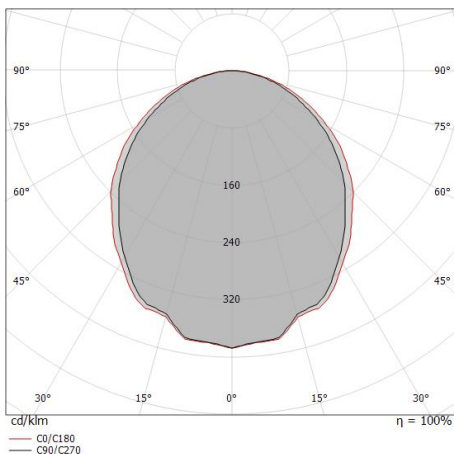
L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	21.8
UGR transversal	22.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	100°
C0/C180 optics	106°
Light distribution symmetry	Symmetrical 2 axis



Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C0)
0.5	1.19 1.33	813 109 88	49.9°	53.1°	
1.0	2.38 2.66	203 27 22	49.9°	53.1°	
1.5	3.56 4.00	90 12 10	49.9°	53.1°	
2.0	4.75 5.33	51 7 6	49.9°	53.1°	
2.5	5.94 6.66	33 4 4	49.9°	53.1°	
3.0	7.13 7.99	23 3 2	49.9°	53.1°	

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 106.2°)
 — C90/C270 (Half-peak divergence: 99.8°)

65441N

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Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

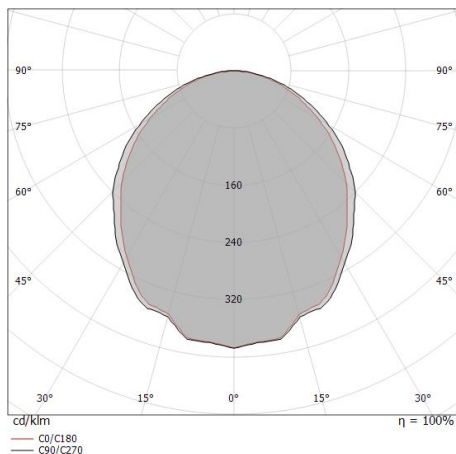
L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	22.4
UGR transversal	21.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	106°
C0/C180 optics	100°
Light distribution symmetry	Symmetrical 2 axis



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	1.33 1.19	812	53.1° 88	49.9° 109
1.0	2.66 2.38	203	53.1° 22	49.9° 27
1.5	4.00 3.56	90	53.1° 10	49.9° 12
2.0	5.33 4.75	51	53.1° 5	49.9° 7
2.5	6.66 5.94	32	53.1° 4	49.9° 4
3.0	7.99 7.13	23	53.1° 2	49.9° 3

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 99.8°)
— C90/C270 (Half-peak divergence: 106.2°)



Systems - Lines | 264 topLED 20 W DC 24 V | Modular | CRI 90 | + 62464+1

65441N

Single emission systems, lines or lines for indoor application. The natural white LED light source is composed of 264 topLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 2705 lm, with a 135.3 lm/W nominal luminous efficacy.

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The device features protection class III and can be ceiling-mounted, with a 67 x 512 x 512 mm hole (in plasterboard).

Compliant with the EN 60598-1 standard and its specific provisions.

Energy efficiency class

This product contains 4 light sources of energy efficiency class E.

Illuminotechnical Features

Light Output Ratio (LOR)	15 %
Source lumens	2705 lm
Delivered lumens	426 lm
Consumption	11 W
Luminaire efficacy	38 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

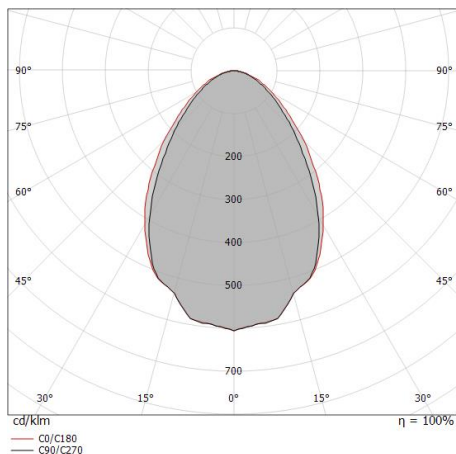
L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	17.3
UGR transversal	18.1
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	72°
C0/C180 optics	78°
Light distribution symmetry	Symmetrical 2 axis



Distance [m]	Cone diameter [m]	Half-peak divergence [°]	E(0°) [lx]	E(C90) [lx]	E(C0) [lx]
0.5	0.73 0.81	77.8° 72.2°	1030	272	243
1.0	1.46 1.61	77.8° 72.2°	257	68	61
1.5	2.19 2.42	77.8° 72.2°	114	30	27
2.0	2.92 3.23	77.8° 72.2°	64	17	15
2.5	3.65 4.03	77.8° 72.2°	41	11	10
3.0	4.38 4.84	77.8° 72.2°	29	8	7



Systems - Lines | 264 topLED 20 W DC 24 V | Modular | CRI 90 | + 62464+2

65441N

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Energy efficiency class

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Illuminotechnical Features

Light Output Ratio (LOR)	15 %
Source lumens	2705 lm
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Luminaire efficacy	38 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

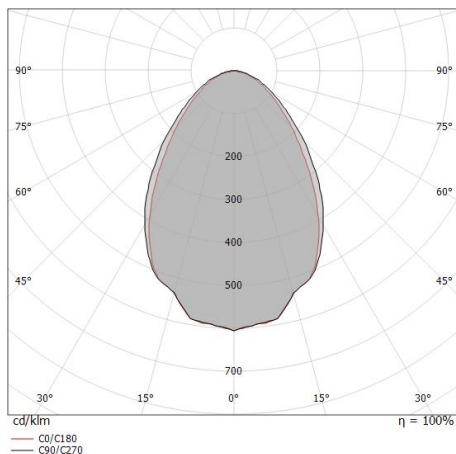
L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	18.1
UGR transversal	17.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	78°
C0/C180 optics	72°
Light distribution symmetry	Symmetrical 2 axis



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.81 0.73	E(0°) 1030 E(C90) 38.9° 243 E(C0) 36.1° 272
1.0	1.61 1.46	E(0°) 257 E(C90) 38.9° 61 E(C0) 36.1° 68
1.5	2.42 2.19	E(0°) 114 E(C90) 38.9° 27 E(C0) 36.1° 30
2.0	3.23 2.92	E(0°) 64 E(C90) 38.9° 15 E(C0) 36.1° 17
2.5	4.03 3.65	E(0°) 41 E(C90) 38.9° 10 E(C0) 36.1° 11
3.0	4.84 4.38	E(0°) 29 E(C90) 38.9° 7 E(C0) 36.1° 8

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 72.2°)
— C90/C270 (Half-peak divergence: 77.8°)

Systems - Lines | 264 topLED 20 W DC 24 V | Modular | CRI 90 | + 83356+1

65441N

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Energy efficiency class

This product contains 4 light sources of energy efficiency class E.

Illuminotechnical Features

Light Output Ratio (LOR)	20 %
Source lumens	2705 lm
Delivered lumens	559 lm
Consumption	10 W
Luminaire efficacy	55 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

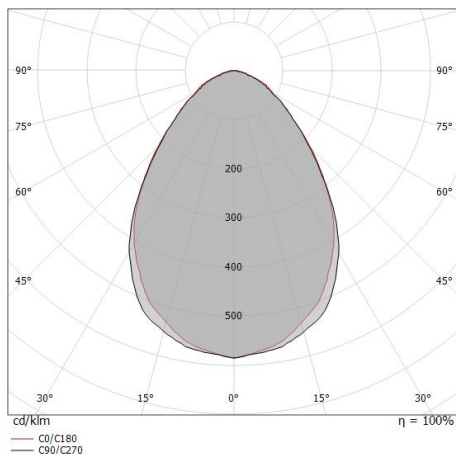
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UGR

UGR axial	18
UGR transversal	18.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	78°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.82 0.81	E(0°) 1309 E(C90) 39.2° 305 E(C0) 39.1° 307
1.0	1.63 1.63	E(0°) 327 E(C90) 39.2° 76 E(C0) 39.1° 77
1.5	2.45 2.44	E(0°) 145 E(C90) 39.2° 34 E(C0) 39.1° 34
2.0	3.26 3.25	E(0°) 82 E(C90) 39.2° 19 E(C0) 39.1° 19
2.5	4.08 4.06	E(0°) 52 E(C90) 39.2° 12 E(C0) 39.1° 12
3.0	4.89 4.88	E(0°) 36 E(C90) 39.2° 8 E(C0) 39.1° 9

— C0/C180 (Half-peak divergence: 78.2°)
- - C90/C270 (Half-peak divergence: 78.4°)

65441N

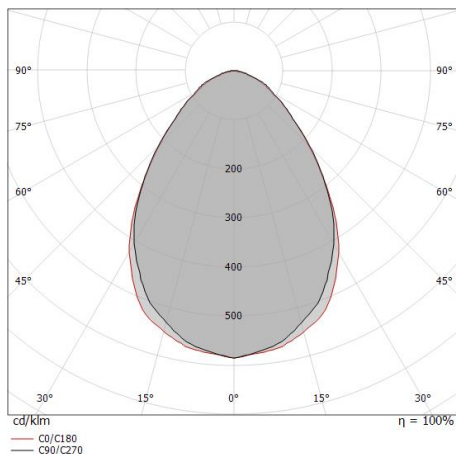
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Colour rendering index	90 Ra
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LED Life / Failure Ratio

L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	18
UGR transversal	18.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	78°
Light distribution simmetry	Symmetrical

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Illuminotechnical Features

Light Output Ratio (LOR)	23 %
Source lumens	2705 lm
Delivered lumens	630 lm
Consumption	10 W
Luminaire efficacy	63 lm/W
Colour temperature	4000 K
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LED Life / Failure Ratio

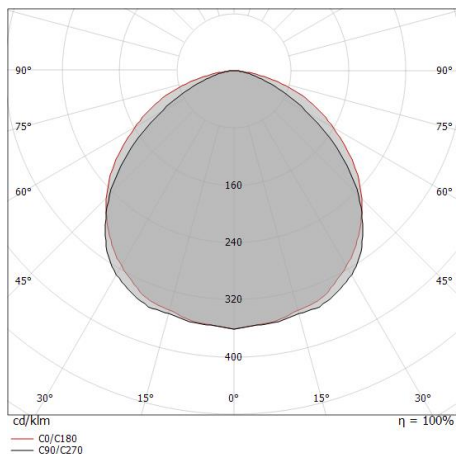
L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	20.7
UGR transversal	22.9
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	106°
C0/C180 optics	114°
Light distribution symmetry	Symmetrical 2 axis



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	1.33 1.53	909	53.0° 99	56.8° 75
1.0	2.65 3.06	227	53.0° 25	56.8° 19
1.5	3.98 4.58	101	53.0° 11	56.8° 8
2.0	5.31 6.11	57	53.0° 6	56.8° 5
2.5	6.64 7.64	36	53.0° 4	56.8° 3
3.0	7.96 9.17	25	53.0° 3	56.8° 2

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 113.6°)
— C90/C270 (Half-peak divergence: 106.0°)

65441N

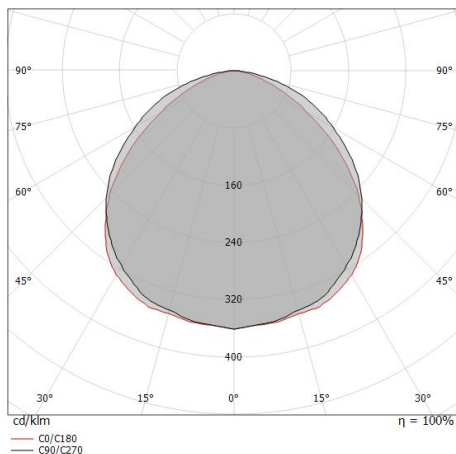
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Light distribution simmetry	Symmetrical 2 assis



		<p>Closing cap - Quartz glass Material:Die-cast Aluminium EN AB - 46100, colour:White, processing:Powder coating.</p>	<p>Code <u>62460</u></p>
		<p>Diffuser Diffuser Type: diffusore satinato anti glare - all white. Material:UV Resistant Polymethylmethacrylate, processing:Satin finishing.</p>	<p>Code <u>83356</u></p>
		<p>Diffuser Diffuser Type: diffusore satinato anti glare - all white. Material:UV Resistant Polymethylmethacrylate, processing:Satin finishing.</p>	<p>Code <u>83357</u></p>
		<p>Diffuser Diffuser Type: diffusore satinato - all white. Material:UV Resistant Polymethylmethacrylate, processing:Satin finishing.</p>	<p>Code <u>83407</u></p>
		<p>Diffuser Diffuser Type: diffusore satinato - all white. Material:UV Resistant Polymethylmethacrylate, processing:Satin finishing.</p>	<p>Code <u>83408</u></p>
		<p>Diffuser Diffuser Type: diffusore satinato - all white. Material:UV Resistant Polymethylmethacrylate, processing:Satin finishing.</p>	<p>Code <u>83409</u></p>