

CDL 40.2040.02



Description

- downlight à encastrement pour éclairage général
- lampe expansible avec plusieurs verres et anneaux décoratifs optiques
- très simple à entretenir
- absence de radiations thermiques et UV
- gestion de la chaleur innovante avec refroidissement passif (dissipateur thermique en aluminium moulé sous pression)
- réflecteur-miroir en aluminium à faisceau symétrique précis pour un haut rendement lumineux et un contrôle optimal de l'éblouissement.
- anneau de montage/frontal en polycarbonate
- montage au plafond sans outils à l'aide de fixations rapides (réglage automatique de l'épaisseur du plafond)
- branchement au ballast par câble de l'appareil pré-assemblé
- ballast (convertisseur LED) inclus (positionnement extérieur)

Observations

Boîtier pour béton armé disponible sur demande.

Options standard



Options spéciales



Données d'éclairage / Normes

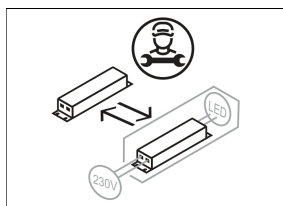
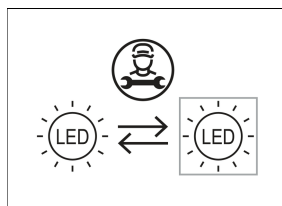
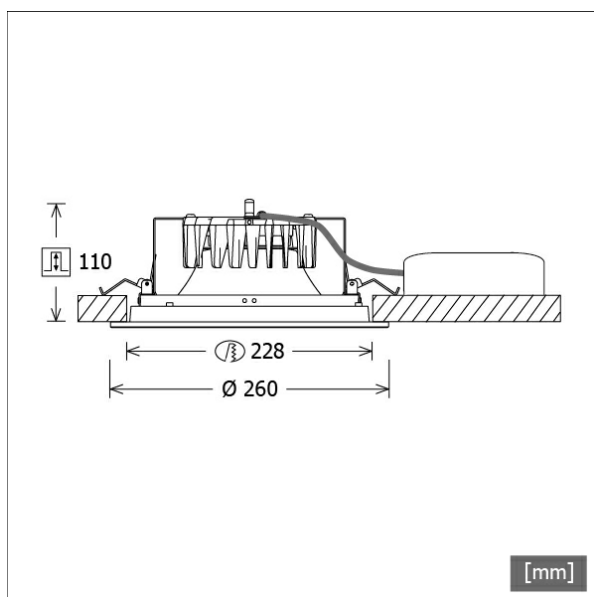
Lampes	LED Modul / CRI 80 / 4000 K
EPREL sources de lumière	891017
	L90 B50 50.000 h
Durée de vie	L80 B50 100.000 h
	L80 B20 50.000 h
Puissance du système	22.0 W
Flux lumineux des luminaires	max. 2350 lm
Rendement du système	100.90 lm/W
Rendement du module	122.35 lm/W
UGR classe	≤25
Angle de rayonnement	73°
Tension d'alimentation	220 - 240 V / 50 - 60 Hz
Classe de protection	III
Type de protection	IP20

Dimensions / Poids

Diamètre extérieur	260 mm
Hauteur	114 mm
Découpe (Ø)	228 mm
Épaisseur plafond	10.0 - 35.0 mm
Profondeur d'encastrement	110 mm
Poids net	1.00 kg
Poids brut	1.16 kg



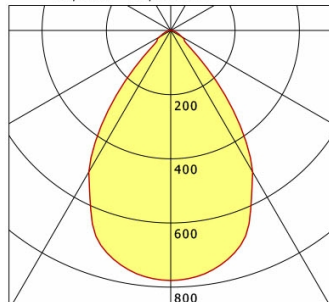
Coloris	Réf. article	EAN
argent	660138	4043544689573
blanc	660139	4043544689580



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Multi 40 (CDZ 4.08, 1xLED 22W 840/4000K 2220lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	779	779	779	779
15°	728	728	728	728
30°	509	509	509	509
45°	140	140	140	140
60°	41	41	41	41
75°	14	14	14	14
90°	1	1	1	1
cd / 1000 lm				

Offset [m] Cone width [m] Illuminance [lx]

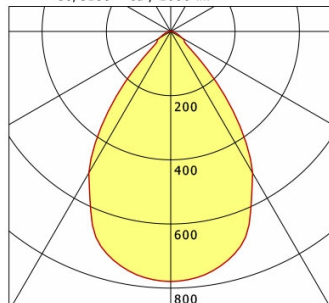
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.23	192.2
6.0	8.46	48.1
9.0	12.69	21.4
12.0	16.91	12.0
15.0	21.14	7.7

η	LED
Efficiency	101 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.1
UGR C90/C270	20.1
CIE Flux Codes	82 95 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.63, 1xLED 22W 840/4000K 2220lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	779	779	779	779
15°	728	728	728	728
30°	509	509	509	509
45°	140	140	140	140
60°	41	41	41	41
75°	14	14	14	14
90°	1	1	1	1
cd / 1000 lm				

Offset [m] Cone width [m] Illuminance [lx]

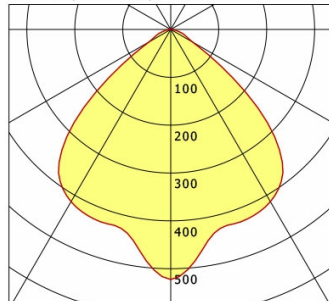
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.23	192.2
6.0	8.46	48.1
9.0	12.69	21.4
12.0	16.91	12.0
15.0	21.14	7.7

η	LED
Efficiency	101 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.1
UGR C90/C270	20.1
CIE Flux Codes	82 95 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.60, 1xLED 22W 840/4000K 2230lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	523	523	523	523
15°	427	427	427	427
30°	416	416	416	416
45°	297	297	297	297
60°	53	53	53	53
75°	18	18	18	18
90°	0	0	0	0
cd / 1000 lm				

Offset [m] Cone width [m] Illuminance [lx]

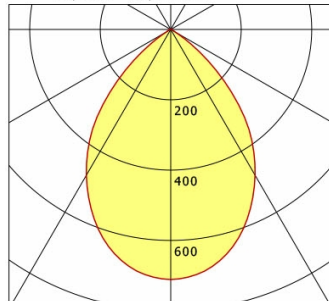
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	6.44	129.5
6.0	12.88	32.4
9.0	19.33	14.4
12.0	25.77	8.1
15.0	32.21	5.2

η	LED
Efficiency	101 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.9
UGR C90/C270	22.9
CIE Flux Codes	65 94 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.39, 1xLED 22W 840/4000K 2270lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	711	711	711	711
15°	650	650	650	650
30°	479	479	479	479
45°	229	229	229	229
60°	16	16	16	16
75°	5	5	5	5
90°	0	0	0	0
cd / 1000 lm				

Offset [m] Cone width [m] Illuminance [lx]

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.73	179.4
6.0	9.47	44.8
9.0	14.20	19.9
12.0	18.94	11.2
15.0	23.67	7.2

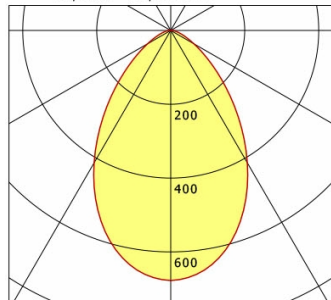
η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.1
UGR C90/C270	20.1
CIE Flux Codes	78 98 100 100 100
Ra/CRI	>80

LTS

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Multi 40 (CDZ 4.61, 1xLED 22W 840/4000K 2250lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	677	677	677	677
15°	604	604	604	604
30°	414	414	414	414
45°	203	203	203	203
60°	72	72	72	72
75°	22	22	22	22
90°	1	1	1	1
cd / 1000 lm				

Offset [m] Cone width [m] Illuminance [lx]

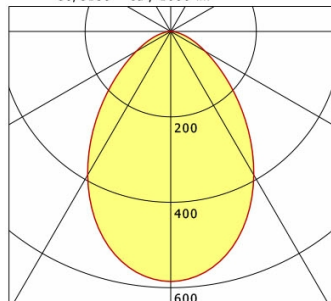
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.21	169.4
6.0	8.43	42.3
9.0	12.64	18.8
12.0	16.86	10.6
15.0	21.07	6.8

η	LED
Efficiency	102 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.8
UGR C90/C270	22.8
CIE Flux Codes	69 92 98 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.38, 1xLED 22W 840/4000K 2100lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	586	586	586	586
15°	532	532	532	532
30°	388	388	388	388
45°	216	216	216	216
60°	93	93	93	93
75°	30	30	30	30
90°	0	0	0	0
cd / 1000 lm				

Offset [m] Cone width [m] Illuminance [lx]

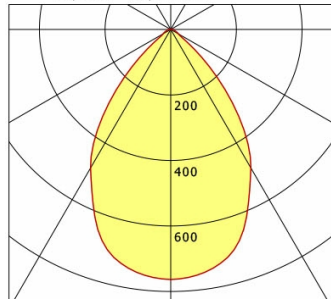
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.72	136.6
6.0	9.43	34.2
9.0	14.15	15.2
12.0	18.86	8.5
15.0	23.58	5.5

η	LED
Efficiency	95 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.9
UGR C90/C270	23.9
CIE Flux Codes	64 89 98 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.35, 1xLED 22W 840/4000K 2290lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	763	763	763	763
15°	709	709	709	709
30°	488	488	488	488
45°	184	184	184	184
60°	27	27	27	27
75°	12	12	12	12
90°	0	0	0	0
cd / 1000 lm				

Offset [m] Cone width [m] Illuminance [lx]

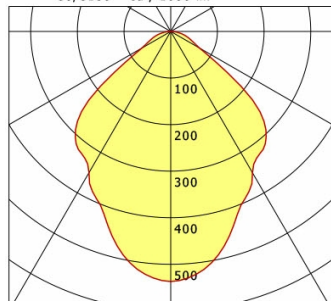
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.34	194.3
6.0	8.69	48.6
9.0	13.03	21.6
12.0	17.37	12.1
15.0	21.72	7.8

η	LED
Efficiency	104 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.1
UGR C90/C270	20.1
CIE Flux Codes	80 96 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.64, 1xLED 22W 840/4000K 2130lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	537	537	537	537
15°	466	466	466	466
30°	350	350	350	350
45°	286	286	286	286
60°	71	71	71	71
75°	31	31	31	31
90°	2	2	2	2
cd / 1000 lm				

Offset [m] Cone width [m] Illuminance [lx]

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	6.42	127.1
6.0	12.83	31.8
9.0	19.25	14.1
12.0	25.66	7.9
15.0	32.08	5.1

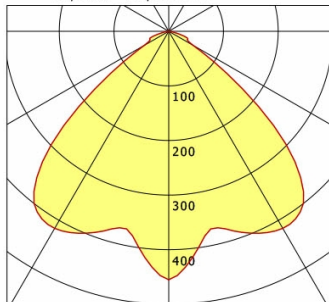
η	LED
Efficiency	97 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.2
UGR C90/C270	24.2
CIE Flux Codes	60 90 98 100 100
Ra/CRI	>80

LTS

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Multi 40 (CDZ 4.01, 1xLED 22W 840/4000K 1910lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	455	455	455	455
15°	373	373	373	373
30°	417	417	417	417
45°	316	316	316	316
60°	51	51	51	51
75°	20	20	20	20
90°	0	0	0	0

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

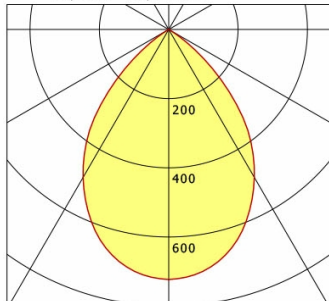
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	7.00	96.5
6.0	13.99	24.1
9.0	20.99	10.7
12.0	27.98	6.0
15.0	34.98	3.9

η	LED
Efficiency	87 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.7
UGR C90/C270	22.7
CIE Flux Codes	63 94 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDL ohne Dekor, 1xLED 22W 840/4000K 2350lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	723	723	723	723
15°	665	665	665	665
30°	494	494	494	494
45°	231	231	231	231
60°	4	4	4	4
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

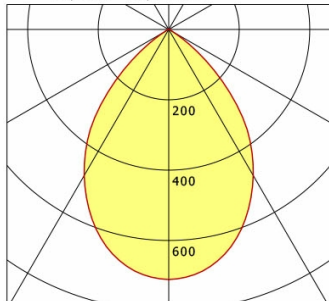
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.77	188.8
6.0	9.55	47.2
9.0	14.32	21.0
12.0	19.09	11.8
15.0	23.86	7.6

η	LED
Efficiency	107 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.1
UGR C90/C270	20.1
CIE Flux Codes	80 100 100 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.62, 1xLED 22W 840/4000K 2300lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	711	711	711	711
15°	650	650	650	650
30°	480	480	480	480
45°	230	230	230	230
60°	15	15	15	15
75°	5	5	5	5
90°	0	0	0	0

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.74	181.7
6.0	9.49	45.4
9.0	14.23	20.2
12.0	18.97	11.4
15.0	23.72	7.3

η	LED
Efficiency	105 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.2
UGR C90/C270	20.2
CIE Flux Codes	78 99 100 100 100
Ra/CRI	>80

LTS

CDL 40.2040.02

Accessoires



CDZ 4.01
Verre semi-opaque
(intérieur)



CDZ 4.08
Anneau en verre satiné
(saillant)



CDZ 4.35
Anneau en verre décoratif opaque
(intérieur)



CDZ 4.38
Verre satiné
(intérieur)



CDZ 4.39
Verre transparent
(intérieur)



CDZ 4.60
Verre acrylique semi-opaque
(intérieur)



CDZ 4.61
Verre acrylique opaque
(intérieur)



CDZ 4.62
Verre acrylique transparent
(intérieur)



CDZ 4.63
Anneau en verre acrylique opaque
(saillant)



CDZ 4.64
Anneau en verre acrylique opaque à l'intérieur
(saillant)



NOL 50B/3H/DALI
Groupe d'urgence LED



ZVP 100
Châssis de renforcement universel
(module 625 x 625)