

DESCRIPTION

Compliance

- ENEC safety mark.
- In compliance with EN 60598-1; EN 60598-2-3; N 62031; EN 55015 EMC; EN 61547 EMC; EN 62471.



Mechanical characteristics

Height	Width	Lenght	Weight	IP	IK	Area (S)
120 mm	235 mm	470 mm	6 Kg	66	10	0,09 m ²

Electrical characteristics

Voltage	Frequency	Cos ϕ	Insulation class	Operative Temp.
220-240V	50-60 Hz	> 0,9	CL II	-40°C / +50°C

- Insulation Class I on demand.

Fixing

- It is suitable for wall mounting with dowels.
- Adjustable $\pm 90^\circ$ in 10° steps.

Materials

- Die-cast aluminum (UNI EN 1706).
- Extra-clear tempered transparent flat glass.
- Adhesive diffusing plastic film (code 9565.620.267).
- Stainless steel fasteners.

Structure - Main components

- Base and body in die-cast aluminum (UNI EN 1706).
- Lower frame can be opened for access to the auxiliary compartment.
- Flat tempered glass protective screen with IK10 impact resistance (EN 62262).
- Silicone gasket between the lower frame and upper cover.
- Integrated heat sink made of die-cast aluminum.
- Internal black reflector in PC.
- Dedicated compartment to accommodate additional surge protectors or remote control systems.

Electrical features

- Electronic power supply with short-circuit, overtemperature and overvoltage protection with estimated life time B10 at 100,000 h.
- Terminal block for cables with cross section. max. 2.5 mm².
- Standard surge protection for differential/common mode CM 6kV/10kV (CL I, CL II).

Operations - Maintenance

- Periodic maintenance for external cleaning of the structure and the screen from dust and smog and for checking the fastening to the support.
- It is the responsibility of the installer to ensure correct installation and electrical connection in accordance with applicable regulations.

Painting

- Powder painting.
- Standard colors: Neri grey.

Accessories

The accessories are supplied with the product and must be assembled on site by the installer.

- Honeycomb (code 9596.350.003).
- Filter Blade (code. 0006.019.011).

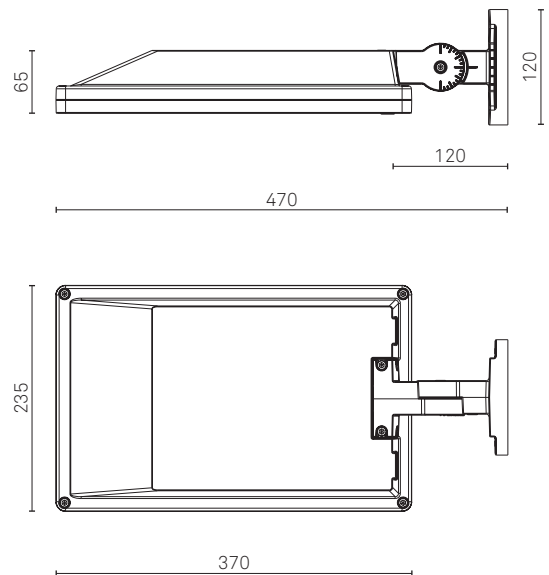
Options

- 10kV/10kV surge protection with discharge device.
- Power cable.
- House Side Shield.

IMAGE



DRAWINGS



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
12° Spot	Rotosymmetric	100%	0%
22° Flood	Rotosymmetric	100%	0%
31° Medium wide flood	Rotosymmetric	100%	0%
51° Wide flood	Rotosymmetric	100%	0%

* optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
- Adhesive diffusing plastic film (code 9565.620.267).
- Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
- Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7000	64,5	108	24	850	58,3	120
4000	36,4	110	16	701	31,7	126

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7000	70,4	99	24	927	63,9	110
4000	39,6	101	16	763	34,7	115

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7000	71,4	98	24	940	64,8	108
4000	40,1	100	16	773	35,1	114

** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
- LED type: Nichia NVSW219C-V2
Source efficiency LED: 132 lm/W @ $T_j=85^\circ\text{C}$, 700 mA, 3000K
Source efficiency LED: 141 lm/W @ $T_j=85^\circ\text{C}$, 700 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 ($T_q = 25^\circ\text{C}$).
- Colour Rendering Index (R_a): ≥ 80 .
- Angular color uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk (IEC/TR 62778): Dthr 14.8m.

DRIVER FUNCTIONS

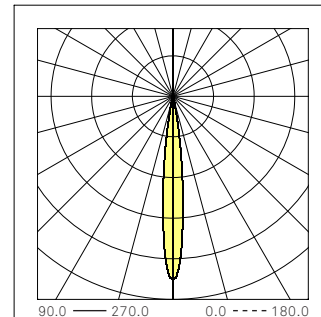
DALI + NCL (Digital control + Neri Constant Lumen)

Casambi

POLAR DIAGRAMS

12° Spot

Imax 112825 cd



ILLUMINANCE VALUES

12° Spot - 7000lm - 3000K

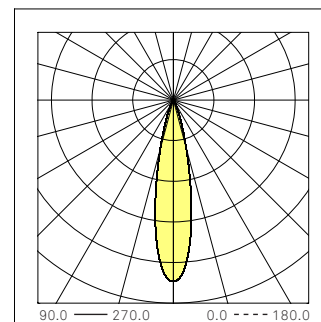
H (m)	D (m)	E _{max} (lx)
1m	0.21	112825
2m	0.43	28206
3m	0.64	12536
4m	0.86	7052
5m	1.07	4513

CIE flux code				
N.1	N.2	N.3	N.4	N.5
96	99	100	100	100



22° Flood

Imax 35706 cd



22° Flood - 7000lm - 3000K

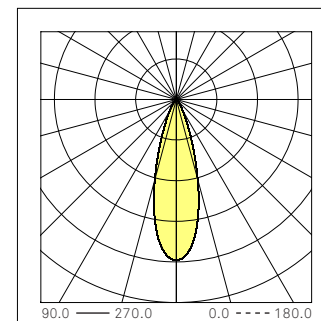
H (m)	D (m)	E _{max} (lx)
1m	0.39	35706
2m	0.78	8927
3m	1.17	3967
4m	1.56	2232
5m	1.95	1428

CIE flux code				
N.1	N.2	N.3	N.4	N.5
95	98	100	100	100



31° Medium wide flood

Imax 19782 cd



31° Medium wide flood - 7000lm - 3000K

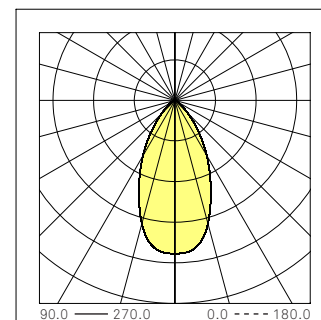
H (m)	D (m)	E _{max} (lx)
1m	0.55	19783
2m	1.10	4946
3m	1.64	2198
4m	2.19	1236
5m	2.74	791

CIE flux code				
N.1	N.2	N.3	N.4	N.5
93	98	100	100	100



51° Wide flood

Imax 7549 cd



51° Wide flood - 7000lm - 3000K

H (m)	D (m)	E _{max} (lx)
1m	1.00	7549
2m	2.01	1887
3m	3.01	839
4m	4.01	472
5m	5.02	302

CIE flux code				
N.1	N.2	N.3	N.4	N.5
84	97	100	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
12° Spot + Blade (19° x 60°)	Asymmetric	90%	0%
22° Flood + Blade (28° x 70°)	Asymmetric	90%	0%

* optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
- Adhesive diffusing plastic film (code 9565.620.267).
- Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
- Plastic reflector for light beam control and glare reduction.

Source - 4000K - 12°-22°

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7000	64,5	108	24	850	58,3	120
4000	36,4	110	16	701	31,7	126

Source - 3000K - 12°-22°

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7000	70,4	99	24	927	63,9	110
4000	39,6	101	16	763	34,7	115

Source - 2700K - 12°-22°

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7000	71,4	98	24	940	64,8	108
4000	40,1	100	16	773	35,1	114

** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
- LED type: Nichia NVSW219C-V2
Source efficiency LED: 132 lm/W @ $T_j=85^\circ\text{C}$, 700 mA, 3000K
Source efficiency LED: 141 lm/W @ $T_j=85^\circ\text{C}$, 700 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 ($T_q = 25^\circ\text{C}$).
- Colour Rendering Index (R_a): ≥ 80 .
- Angular color uniformity $\Delta u'v' \leq 0.003$.
- Photobiological risk (IEC/TR 62778): Dthr 14.8m.

DRIVER FUNCTIONS

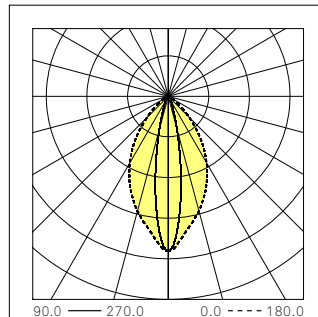
DALI + NCL (Digital control + Neri Constant Lumen)

Casambi

POLAR DIAGRAMS

12° Spot + Blade (19° x 60°)

Imax 15247 cd



ILLUMINANCE VALUES

12° Spot + Blade (19° x 60°)
7000lm - 3000K

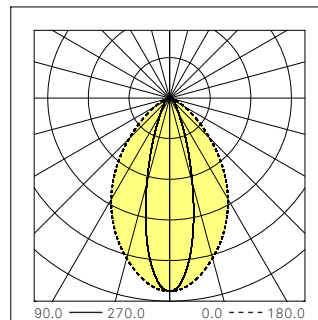
H (m)	D - A (m)	D - B (m)	E max (lx)
1m	1.15	0.33	13070
2m	2.29	0.67	3267
3m	3.44	1.00	1452
4m	4.58	1.33	817
5m	5.73	1.66	523

CIE flux code

N.1 N.2 N.3 N.4 N.5
83 96 100 100 100

22° Flood + Blade (28° x 70°)

Imax 9507 cd

22° Flood + Blade (28° x 70°)
7000lm - 3000K

H (m)	D - A (m)	D - B (m)	E max (lx)
1m	1.41	0.50	8148
2m	2.82	1.00	2037
3m	4.24	1.50	905
4m	5.65	2.00	509
5m	7.06	2.50	326

CIE flux code

N.1 N.2 N.3 N.4 N.5
78 95 99 100 100

DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
17° Spot	Rotosymmetric	100%	0%
27° Flood	Rotosymmetric	100%	0%
35° Medium wide flood	Rotosymmetric	100%	0%
59° Wide flood	Rotosymmetric	100%	0%

* optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
- Adhesive diffusing plastic film (code 9565.620.267).
- Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
- Plastic reflector for light beam control and glare reduction.

Source from 2200K to 4000K

CCT		System**		LED Module			
K	lm	W	lm/W	n.LED	mA	W	lm/W
4000	6000	58	103	24	750	52	116
3500	5850	58	101	24	750	52	113
3000	5700	58	98	24	750	52	110
2700	5450	58	94	24	750	52	106
2200	4750	58	82	24	750	52	92

** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
- Colour Rendering Index (R_a): ≥ 80 .
- Angular color uniformity $\Delta u'v' \leq 0.005$.

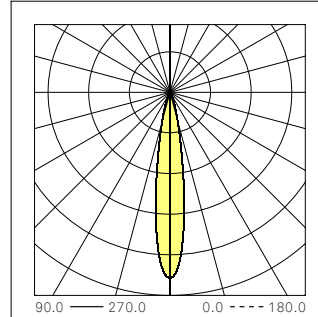
Driver functions

DALI (DT8) (Digital control) - DALI device type 8

POLAR DIAGRAMS

17° Spot

Imax 41158 cd



ILLUMINANCE VALUES

17° Spot - 5700lm - 3000K

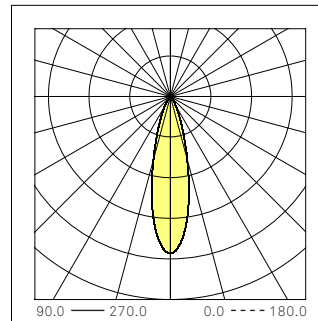
H (m)	D (m)	Emax (lx)
1m	0.30	39100
2m	0.60	9775
3m	0.90	4344
4m	1.20	2444
5m	1.50	1564

CIE flux code

N.1 N.2 N.3 N.4 N.5
93 98 100 100 100

27° Flood

Imax 19282 cd



27° Flood - 5700lm - 3000K

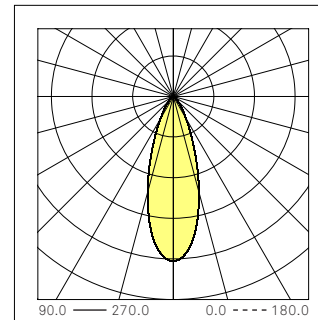
H (m)	D (m)	Emax (lx)
1m	0.47	18318
2m	0.95	4580
3m	1.42	2035
4m	1.90	1145
5m	2.37	733

CIE flux code

N.1 N.2 N.3 N.4 N.5
91 98 100 100 100

35° Medium wide flood

Imax 12145 cd



35° Medium wide flood - 5700lm - 3000K

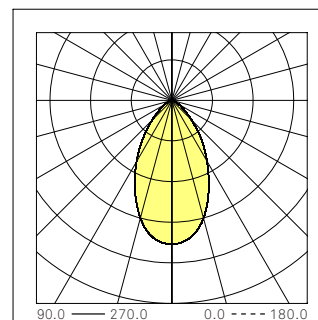
H (m)	D (m)	Emax (lx)
1m	0.63	11538
2m	1.26	2884
3m	1.89	1282
4m	2.53	721
5m	3.16	462

CIE flux code

N.1 N.2 N.3 N.4 N.5
88 97 100 100 100

59° Wide flood

Imax 5309 cd



59° Wide flood - 5700lm - 3000K

H (m)	D (m)	Emax (lx)
1m	1.14	5044
2m	2.27	1261
3m	3.41	560
4m	4.55	315
5m	5.69	202

CIE flux code

N.1 N.2 N.3 N.4 N.5
77 95 100 100 100

DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
17° Spot + Blade (29° x 67°)	Asymmetric	90%	0%
27° Flood + Blade (34° x 75°)	Asymmetric	90%	0%

- * optical efficiency of the device due to physical shielding.
 - Modular (2X2) refractive lens in PMMA.
 - Adhesive diffusing plastic film (code 9565.620.267).
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
 - Plastic reflector for light beam control and glare reduction.

Source from 2200K to 4000K - 17°-27°

CCT		System**		LED Module			
K	lm	W	lm/W	n.LED	mA	W	lm/W
4000	6000	58	103	24	750	52	116
3500	5850	58	101	24	750	52	113
3000	5700	58	98	24	750	52	110
2700	5450	58	94	24	750	52	106
2200	4750	58	82	24	750	52	92

- ** The energetic values in the table are referred to the LED + Power supply.
 - LED type: Nichia NVSWE21A-V1
 Source efficiency LED: 118 lm/W @ Tj=25°C, 700 mA, 2200K
 Source efficiency LED: 149 lm/W @ Tj=25°C, 700 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 (Tq = 25°C).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.

Driver functions

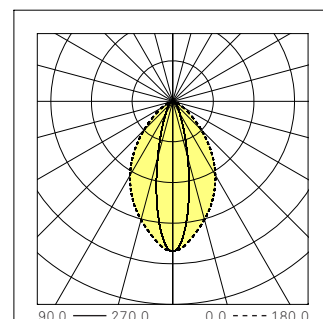
DALI (DT8) (Digital control) - DALI device type 8

Version: Tunable white TW
 Screen: Transparent
 Asymmetric optic
 Filter Blade

POLAR DIAGRAMS

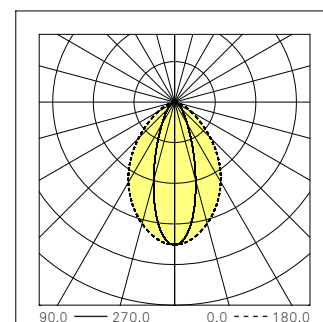
17° Spot + Blade (29° x 67°)

Imax 7382 cd



27° Flood + Blade (34° x 75°)

Imax 5264 cd



Technical sheet
 Rev. 2025/06/19

ILLUMINANCE VALUES

17° Spot + Blade (29° x 67°) 5700lm - 3000K

H (m)	D - A (m)	D - B (m)	E _{max} (lx)
1m	1.33	0.44	7574
2m	2.66	0.88	1893
3m	3.98	1.33	842
4m	5.31	1.77	473
5m	6.64	2.21	303

CIE flux code

N.1 N.2 N.3 N.4 N.5
 77 94 99 100 100



27° Flood + Blade (34° x 75°) 5700lm - 3000K

H (m)	D - A (m)	D - B (m)	E _{max} (lx)
1m	1.55	0.61	5400
2m	3.10	1.21	1350
3m	4.64	1.82	600
4m	6.19	2.43	338
5m	7.74	3.03	216

CIE flux code

N.1 N.2 N.3 N.4 N.5
 73 93 99 100 100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-C	Asymmetric Road	100%	0%
Type III-H	Asymmetric Road	100%	0%
Type IV-A	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	65,9	114	24	2 x 438	59,6	126
6000	51,6	116	24	2 x 342	45,8	131
4500	40,0	112	16	2 x 389	35,1	128
3500	30,4	115	16	2 x 295	26,2	134
2500	21,4	117	16	2 x 206	17,9	140
1500	12,8	117	16	2 x 121	10,3	145

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	69,9	107	24	2 x 464	63,4	118
6000	54,5	110	24	2 x 361	48,6	123
4500	42,4	106	16	2 x 412	37,2	121
3500	32,1	109	16	2 x 312	27,7	126
2500	22,6	111	16	2 x 217	19,0	132
1500	13,5	111	16	2 x 127	10,9	138

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	74,1	101	24	2 x 490	67,3	111
6000	57,5	104	24	2 x 382	51,5	116
4500	42,5	106	24	2 x 278	36,9	122
3500	33,8	103	16	2 x 329	29,4	119
2500	23,7	105	16	2 x 229	20,0	125
1500	14,2	106	16	2 x 134	11,5	131

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
 - LED type: Lumileds Luxeon 5050 6V
 - Source efficiency LED: 174 lm/W @ $T_j = 25^\circ\text{C}$, 360 mA, 3000K
 - Source efficiency LED: 183 lm/W @ $T_j = 25^\circ\text{C}$, 360 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (R_a): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.
 - Photobiological risk (IEC/TR 62778): RG1 Unlimited.

DRIVER FUNCTIONS

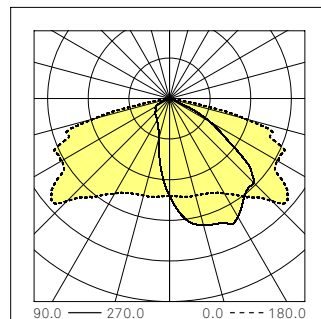
DALI + NCL (Digital control + Neri Constant Lumen)

Casambi

POLAR DIAGRAMS

Type III C

Luminous intensity class G*4



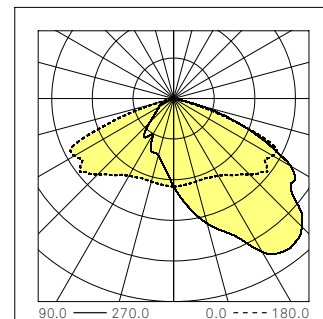
CIE flux code

N.1	N.2	N.3	N.4	N.5
37	75	97	100	100



Type III H

Luminous intensity class G*6



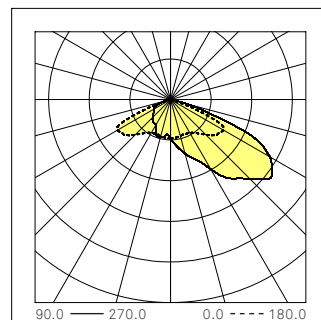
CIE flux code

N.1	N.2	N.3	N.4	N.5
35	74	98	100	100



Type IV A

Luminous intensity class G*4



CIE flux code

N.1	N.2	N.3	N.4	N.5
29	70	97	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-H + HSS	Asymmetric Road	100%	0%
Type IV-A + HSS	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	69,9	86	24	463	63,4	95
4500	50,8	89	24	2 x 336	45,0	100
3500	41,0	85	16	2 x 399	36,0	97
2500	28,4	88	16	2 x 275	24,3	103
1500	16,9	89	16	2 x 160	13,8	109

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	74,2	81	24	2 x 491	67,4	89
4500	53,7	84	24	2 x 356	47,8	94
3500	43,5	80	16	2 x 422	38,2	92
2500	30,0	83	16	2 x 291	25,8	97
1500	17,8	85	16	2 x 169	14,6	103

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
4500	56,6	80	24	2 x 375	50,6	89
3500	43,4	81	24	2 x 285	37,8	93
2500	31,6	79	16	2 x 307	27,3	92
1500	18,6	80	16	2 x 178	15,4	97

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
 - LED type: Lumileds Luxeon 5050 6V
 - Source efficiency LED: 174 lm/W @ $T_j = 25^\circ\text{C}$, 360 mA, 3000K
 - Source efficiency LED: 183 lm/W @ $T_j = 25^\circ\text{C}$, 360 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (R_a): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.
 - Photobiological risk (IEC/TR 62778): RG1 Unlimited.

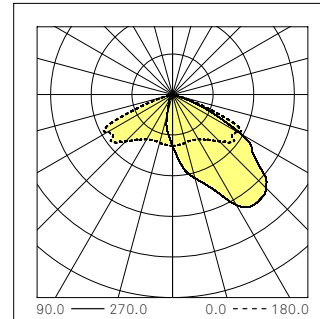
DRIVER FUNCTIONS

DALI + NCL (Digital control + Neri Constant Lumen)
Casambi

POLAR DIAGRAMS

Type III H + HSS

Luminous intensity class	G*4
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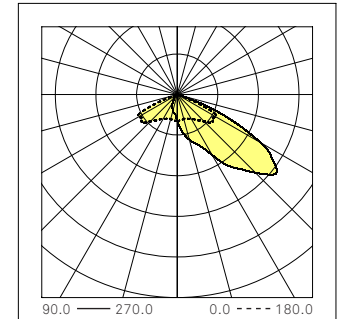


CIE flux code				
N.1	N.2	N.3	N.4	N.5
35	77	99	100	100

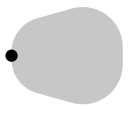


Type IV A + HSS

Luminous intensity class	G*4
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CIE flux code				
N.1	N.2	N.3	N.4	N.5
28	73	99	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type V-B	Symmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
 - Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
9000	67,4	133	24	2 x 448	61,1	147
7500	55,1	136	24	2 x 365	49,2	153
6000	43,6	138	24	2 x 286	38,0	158
4500	33,4	135	16	2 x 325	29,0	155
3500	25,6	137	16	2 x 247	21,8	161
2500	18,2	137	16	2 x 173	15,0	167
1500	10,9	137	16	2 x 102	8,7	173

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
9000	71,5	126	24	2 x 474	64,9	139
7500	58,2	129	24	2 x 386	52,2	144
6000	45,9	131	24	2 x 302	40,2	149
4500	35,3	127	16	2 x 344	30,7	146
3500	27,0	130	16	2 x 261	23,0	152
2500	19,1	131	16	2 x 183	15,8	158
1500	11,5	130	16	2 x 107	9,2	164

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	61,4	122	24	2 x 408	55,3	136
6000	48,3	124	24	2 x 319	42,6	141
4500	37,3	121	16	2 x 363	32,6	138
3500	28,4	123	16	2 x 276	24,4	144
2500	20,1	124	16	2 x 192	16,7	150
1500	12,1	124	16	2 x 113	9,7	155

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
 - LED type: Lumileds Luxeon 5050 6V
 - Source efficiency LED: 174 lm/W @ Tj=25°C, 360 mA, 3000K
 - Source efficiency LED: 183 lm/W @ Tj=25°C, 360 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (Tq = 25°C).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.
 - Photobiological risk (IEC/TR 62778): RG1 Unlimited.

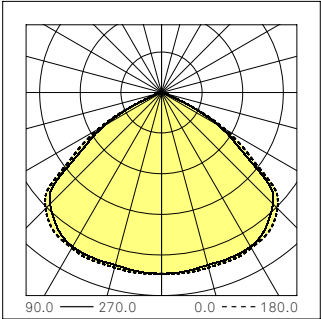
DRIVER FUNCTIONS

DALI + NCL (Digital control + Neri Constant Lumen)
Casambi

POLAR DIAGRAMS

Type V B

Luminous intensity class	G*6
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CIE flux code				
N.1	N.2	N.3	N.4	N.5
50	92	100	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-C	Asymmetric Road	100%	0%
Type III-H	Asymmetric Road	100%	0%
Type IV-A	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
4500	49,8	90	24	644	44,1	102
3500	36,9	95	24	474	32,2	109
2500	25,0	100	24	321	21,5	116
1500	14,2	105	24	185	12,1	124

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
 - Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
 - Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF_{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

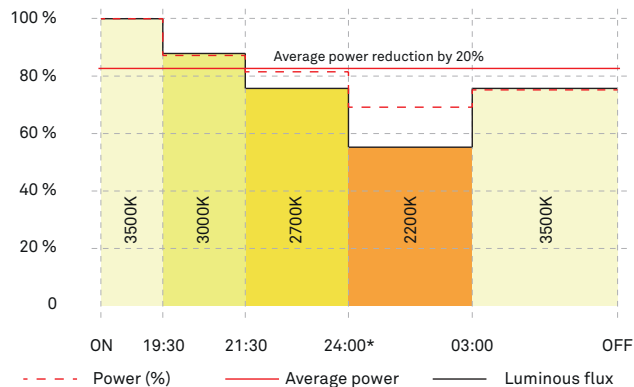
PF_{CCT} : Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

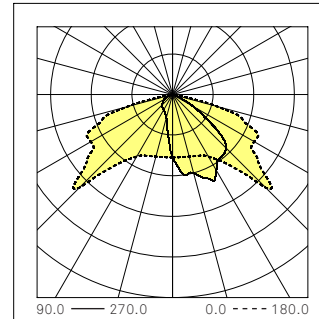
01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

POLAR DIAGRAMS

Type III C

Luminous intensity class G*4

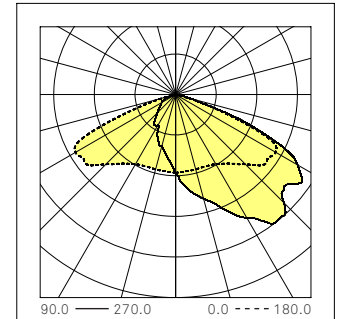


CIE flux code

N.1 N.2 N.3 N.4 N.5
37 77 98 100 100

Type III H

Luminous intensity class G*6

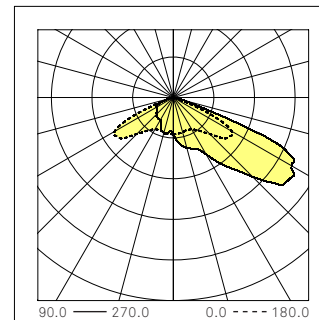


CIE flux code

N.1 N.2 N.3 N.4 N.5
33 73 98 100 100

Type IV A

Luminous intensity class G*4



CIE flux code

N.1 N.2 N.3 N.4 N.5
26 69 98 100 100

NERI

Pixis
Cod. **LUPIX02**

DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-H + HSS	Asymmetric Road	100%	0%
Type IV-A + HSS	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
- Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
3000	44,5	67	24	574	39,2	77
2500	35,8	70	24	460	31,2	80
1500	20,0	75	24	257	17,1	88

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
- Colour Rendering Index (Ra): ≥ 80 .
- Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF _{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

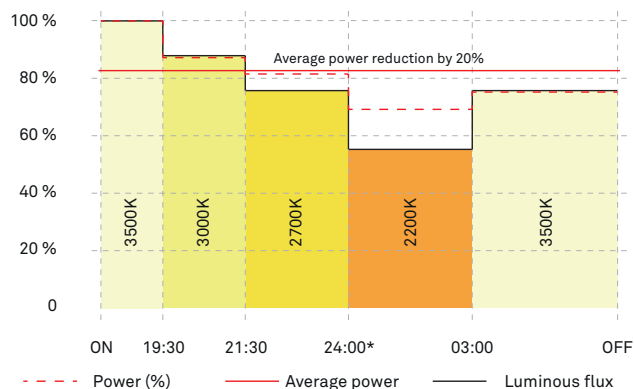
PF_{CCT}: Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUIITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

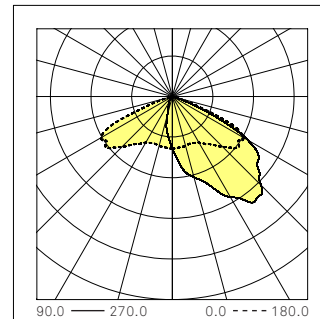
Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

Version: Tunable white TW
Screen: Transparent
Asymmetric optic
House Side Shield

POLAR DIAGRAMS

Type III H + HSS

Luminous intensity class G*4

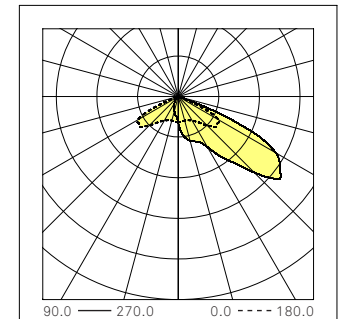


CIE flux code				
N.1	N.2	N.3	N.4	N.5
34	78	99	100	100

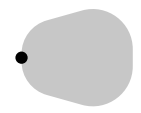


Type IV A + HSS

Luminous intensity class G*4



CIE flux code				
N.1	N.2	N.3	N.4	N.5
26	73	99	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type V-B	Symmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
5000	47,8	105	24	617	42,2	118
4500	42,1	107	24	542	37,0	122
3500	31,3	112	24	402	27,1	129
2500	21,4	117	24	275	18,3	137
1500	12,3	122	24	160	10,4	144

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
 - Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
 - Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF_{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

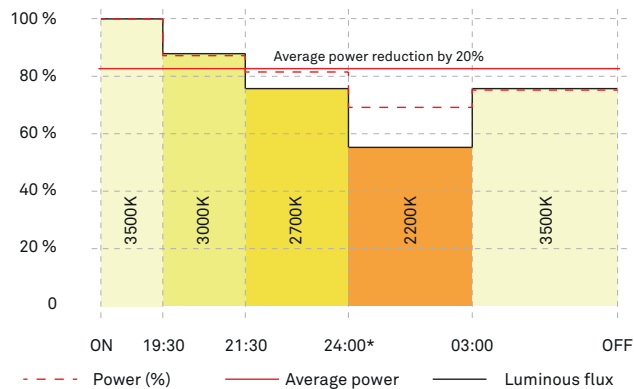
PF_{CCT} : Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

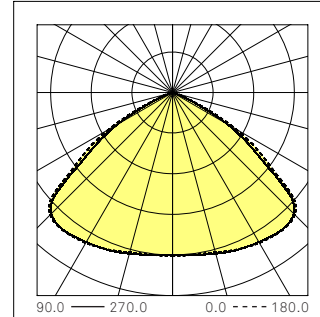
01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

POLAR DIAGRAMS

Type V B

Luminous intensity class G*6



CIE flux code				
N.1	N.2	N.3	N.4	N.5
49	93	100	100	100



DESCRIPTION

Compliance

- ENEC safety mark.
- In compliance with EN 60598-1; EN 60598-2-3; N 62031; EN 55015 EMC; EN 61547 EMC; EN 62471.



Mechanical characteristics

Height	Width	Lenght	Weight	IP	IK	Area (S)
130 mm	235 mm	470 mm	6 Kg	66	10	0,09 m ²

Electrical characteristics

Voltage	Frequency	Cos ϕ	Insulation class	Operative Temp.
220-240V	50-60 Hz	> 0,9	CL II	-40°C / +50°C

- Insulation Class I on demand.

Fixing

- Suitable for post-top mounting on tube from Ø60 mm to Ø76 mm.

Materials

- Die-cast aluminum (UNI EN 1706).
- Extra-clear tempered transparent flat glass.
- Stainless steel fasteners.

Structure - Main components

- Body in die-cast aluminum (UNI EN 1706).
- Lower frame can be opened for access to the auxiliary compartment.
- Flat tempered glass protective screen with IK10 impact resistance (EN 62262).
- Silicone gasket between the lower frame and upper cover.
- Integrated heat sink made of die-cast aluminum.
- Internal black reflector in PC.
- Dedicated compartment to accommodate additional surge protectors or remote control systems.

Electrical features

- Electronic power supply with short-circuit, overtemperature and overvoltage protection with estimated life time B10 at 100,000 h.
- Terminal block for cables with cross section. max. 2.5 mm².
- Standard surge protection for differential/common mode CM 6kV/10kV (CL I, CL II).

Operations - Maintenance

- Periodic maintenance for external cleaning of the structure and the screen from dust and smog and for checking the fastening to the support.
- It is the responsibility of the installer to ensure correct installation and electrical connection in accordance with applicable regulations.

Painting

- Powder painting.
- Standard colors: Neri grey.

Accessories

The accessories are supplied with the product and must be assembled on site by the installer.

- Honeycomb (code 9596.350.003).

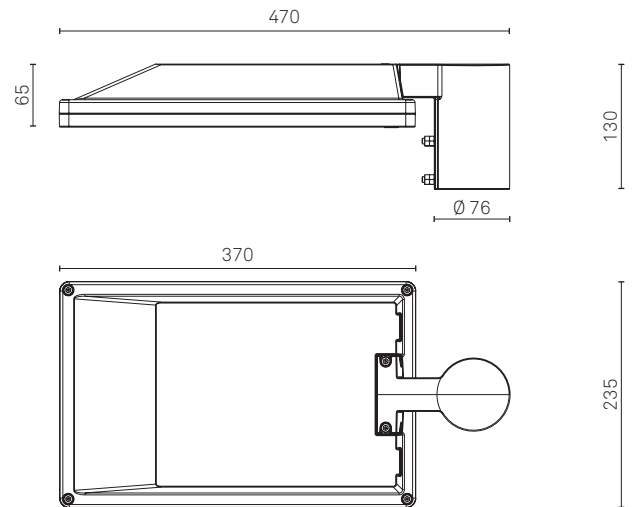
Options

- 10kV/10kV surge protection with discharge device.
- Power cable.
- House Side Shield.

IMAGE



DRAWINGS



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-C	Asymmetric Road	100%	0%
Type III-H	Asymmetric Road	100%	0%
Type IV-A	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	65,9	114	24	2 x 438	59,6	126
6000	51,6	116	24	2 x 342	45,8	131
4500	40,0	112	16	2 x 389	35,1	128
3500	30,4	115	16	2 x 295	26,2	134
2500	21,4	117	16	2 x 206	17,9	140
1500	12,8	117	16	2 x 121	10,3	145

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	69,9	107	24	2 x 464	63,4	118
6000	54,5	110	24	2 x 361	48,6	123
4500	42,4	106	16	2 x 412	37,2	121
3500	32,1	109	16	2 x 312	27,7	126
2500	22,6	111	16	2 x 217	19,0	132
1500	13,5	111	16	2 x 127	10,9	138

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	74,1	101	24	2 x 490	67,3	111
6000	57,5	104	24	2 x 382	51,5	116
4500	42,5	106	24	2 x 278	36,9	122
3500	33,8	103	16	2 x 329	29,4	119
2500	23,7	105	16	2 x 229	20,0	125
1500	14,2	106	16	2 x 134	11,5	131

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
 - LED type: Lumileds Luxeon 5050 6V
 - Source efficiency LED: 174 lm/W @ $T_j = 25^\circ\text{C}$, 360 mA, 3000K
 - Source efficiency LED: 183 lm/W @ $T_j = 25^\circ\text{C}$, 360 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (R_a): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.
 - Photobiological risk (IEC/TR 62778): RG1 Unlimited.

DRIVER FUNCTIONS

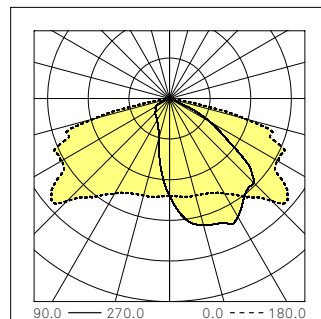
DALI + NCL (Digital control + Neri Constant Lumen)

Casambi

POLAR DIAGRAMS

Type III C

Luminous intensity class G*4



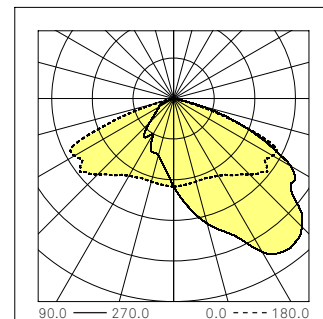
CIE flux code

N.1	N.2	N.3	N.4	N.5
37	75	97	100	100



Type III H

Luminous intensity class G*6



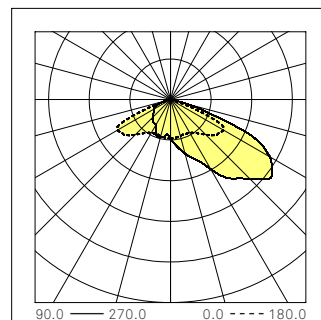
CIE flux code

N.1	N.2	N.3	N.4	N.5
35	74	98	100	100



Type IV A

Luminous intensity class G*4



CIE flux code

N.1	N.2	N.3	N.4	N.5
29	70	97	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-H + HSS	Asymmetric Road	100%	0%
Type IV-A + HSS	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
 - Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	69,9	86	24	463	63,4	95
4500	50,8	89	24	2 x 336	45,0	100
3500	41,0	85	16	2 x 399	36,0	97
2500	28,4	88	16	2 x 275	24,3	103
1500	16,9	89	16	2 x 160	13,8	109

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	74,2	81	24	2 x 491	67,4	89
4500	53,7	84	24	2 x 356	47,8	94
3500	43,5	80	16	2 x 422	38,2	92
2500	30,0	83	16	2 x 291	25,8	97
1500	17,8	85	16	2 x 169	14,6	103

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
4500	56,6	80	24	2 x 375	50,6	89
3500	43,4	81	24	2 x 285	37,8	93
2500	31,6	79	16	2 x 307	27,3	92
1500	18,6	80	16	2 x 178	15,4	97

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
 - LED type: Lumileds Luxeon 5050 6V
 - Source efficiency LED: 174 lm/W @ Tj=25°C, 360 mA, 3000K
 - Source efficiency LED: 183 lm/W @ Tj=25°C, 360 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (Tq = 25°C).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.
 - Photobiological risk (IEC/TR 62778): RG1 Unlimited.

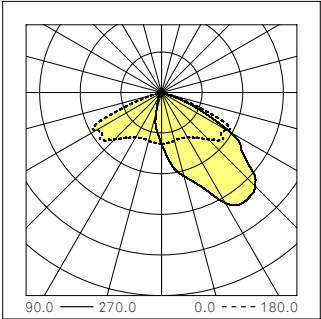
DRIVER FUNCTIONS

DALI + NCL (Digital control + Neri Constant Lumen)
Casambi

POLAR DIAGRAMS

Type III H + HSS

Luminous intensity class G*4

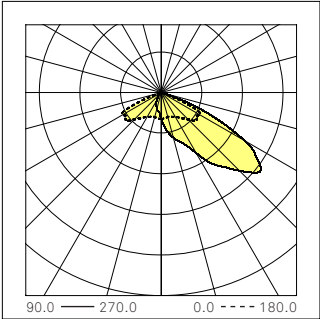


CIE flux code				
N.1	N.2	N.3	N.4	N.5
35	77	99	100	100

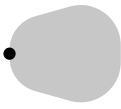


Type IV A + HSS

Luminous intensity class G*4



CIE flux code				
N.1	N.2	N.3	N.4	N.5
28	73	99	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type V-B	Symmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
 - Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
9000	67,4	133	24	2 x 448	61,1	147
7500	55,1	136	24	2 x 365	49,2	153
6000	43,6	138	24	2 x 286	38,0	158
4500	33,4	135	16	2 x 325	29,0	155
3500	25,6	137	16	2 x 247	21,8	161
2500	18,2	137	16	2 x 173	15,0	167
1500	10,9	137	16	2 x 102	8,7	173

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
9000	71,5	126	24	2 x 474	64,9	139
7500	58,2	129	24	2 x 386	52,2	144
6000	45,9	131	24	2 x 302	40,2	149
4500	35,3	127	16	2 x 344	30,7	146
3500	27,0	130	16	2 x 261	23,0	152
2500	19,1	131	16	2 x 183	15,8	158
1500	11,5	130	16	2 x 107	9,2	164

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	61,4	122	24	2 x 408	55,3	136
6000	48,3	124	24	2 x 319	42,6	141
4500	37,3	121	16	2 x 363	32,6	138
3500	28,4	123	16	2 x 276	24,4	144
2500	20,1	124	16	2 x 192	16,7	150
1500	12,1	124	16	2 x 113	9,7	155

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
 - LED type: Lumileds Luxeon 5050 6V
 - Source efficiency LED: 174 lm/W @ Tj=25°C, 360 mA, 3000K
 - Source efficiency LED: 183 lm/W @ Tj=25°C, 360 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (Tq = 25°C).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.
 - Photobiological risk (IEC/TR 62778): RG1 Unlimited.

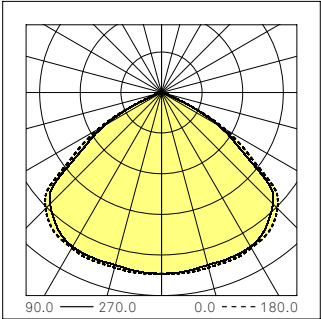
DRIVER FUNCTIONS

DALI + NCL (Digital control + Neri Constant Lumen)
Casambi

POLAR DIAGRAMS

Type V B

Luminous intensity class	G*6
--------------------------	-----



CIE flux code				
N.1	N.2	N.3	N.4	N.5
50	92	100	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-C	Asymmetric Road	100%	0%
Type III-H	Asymmetric Road	100%	0%
Type IV-A	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
4500	49,8	90	24	644	44,1	102
3500	36,9	95	24	474	32,2	109
2500	25,0	100	24	321	21,5	116
1500	14,2	105	24	185	12,1	124

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
 - Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
 - Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (R_a): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF_{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

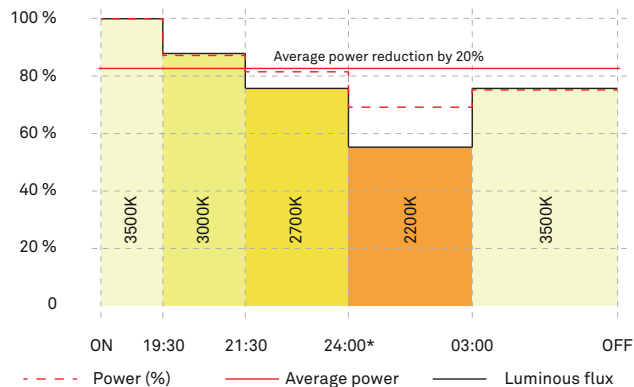
PF_{CCT} : Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

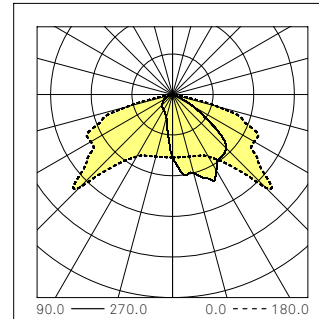
01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

POLAR DIAGRAMS

Type III C

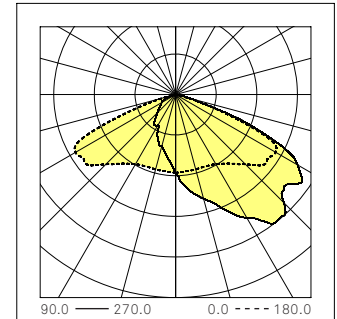
Luminous intensity class G*4



CIE flux code				
N.1	N.2	N.3	N.4	N.5
37	77	98	100	100

Type III H

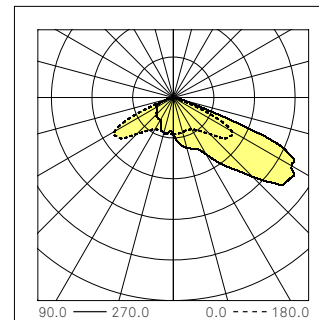
Luminous intensity class G*6



CIE flux code				
N.1	N.2	N.3	N.4	N.5
33	73	98	100	100

Type IV A

Luminous intensity class G*4



CIE flux code				
N.1	N.2	N.3	N.4	N.5
26	69	98	100	100

DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-H + HSS	Asymmetric Road	100%	0%
Type IV-A + HSS	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
3000	44,5	67	24	574	39,2	77
2500	35,8	70	24	460	31,2	80
1500	20,0	75	24	257	17,1	88

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
- Colour Rendering Index (Ra): ≥ 80 .
- Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF _{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

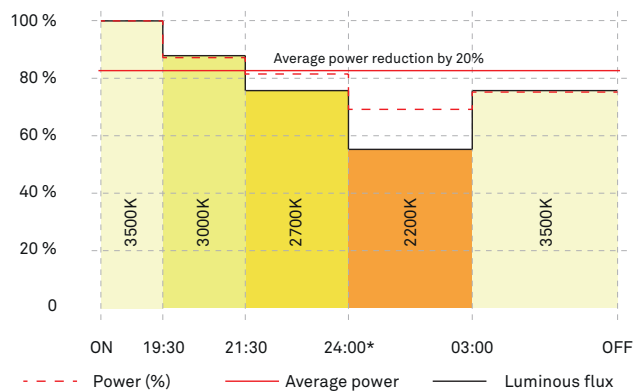
PF_{CCT}: Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUIITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

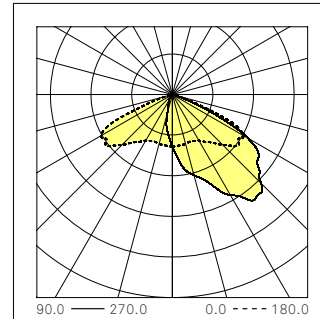
01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

POLAR DIAGRAMS

Type III H + HSS

Luminous intensity class G*4

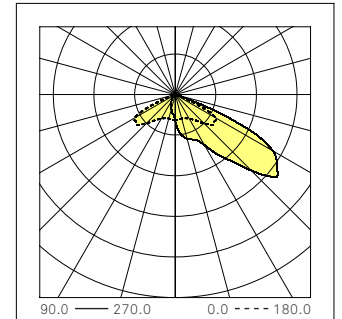


CIE flux code				
N.1	N.2	N.3	N.4	N.5
34	78	99	100	100

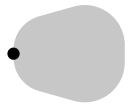


Type IV A + HSS

Luminous intensity class G*4



CIE flux code				
N.1	N.2	N.3	N.4	N.5
26	73	99	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type V-B	Symmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
5000	47,8	105	24	617	42,2	118
4500	42,1	107	24	542	37,0	122
3500	31,3	112	24	402	27,1	129
2500	21,4	117	24	275	18,3	137
1500	12,3	122	24	160	10,4	144

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
 - Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
 - Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF _{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

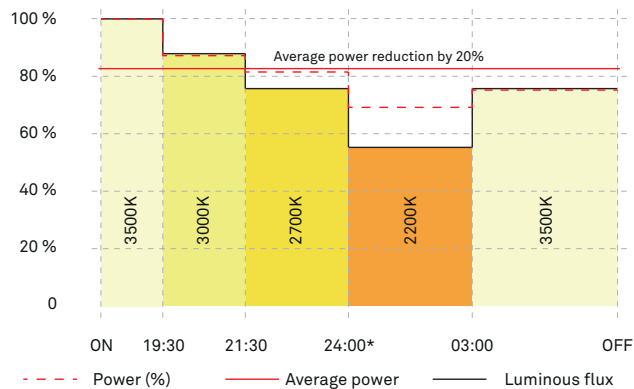
PF_{CCT}: Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUIITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

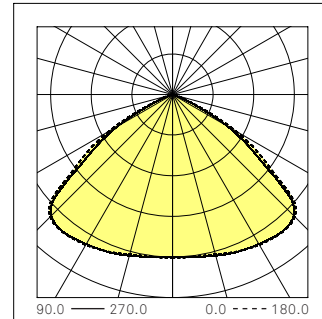
01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

POLAR DIAGRAMS

Type V B

Luminous intensity class	G*6
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CIE flux code				
N.1	N.2	N.3	N.4	N.5
49	93	100	100	100



DESCRIPTION

Compliance

- ENEC safety mark.
- In compliance with EN 60598-1; EN 60598-2-3; N 62031; EN 55015 EMC; EN 61547 EMC; EN 62471.



Mechanical characteristics

Height	Width	Lenght	Weight	IP	IK	Area (S)
80 mm	235 mm	510 mm	6 Kg	66	10	0,09 m ²

Electrical characteristics

Voltage	Frequency	Cos ϕ	Insulation class	Operative Temp.
220-240V	50-60 Hz	> 0,9	CL II	-40°C / +50°C

- Insulation Class I on demand.

Fixing

- Suitable for side mounting on tube Ø 89 mm

Materials

- Die-cast aluminum (UNI EN 1706).
- Extra-clear tempered transparent flat glass.
- Stainless steel fasteners.

Structure - Main components

- Body in die-cast aluminum (UNI EN 1706).
- Lower frame can be opened for access to the auxiliary compartment.
- Flat tempered glass protective screen with IK10 impact resistance (EN 62262).
- Silicone gasket between the lower frame and upper cover.
- Integrated heat sink made of die-cast aluminum.
- Internal black reflector in PC.
- Dedicated compartment to accommodate additional surge protectors or remote control systems.

Electrical features

- Electronic power supply with short-circuit, overtemperature and overvoltage protection with estimated life time B10 at 100,000 h.
- Terminal block for cables with cross section. max. 2.5 mm².
- Standard surge protection for differential/common mode CM 6kV/10kV (CL I, CL II).

Operations - Maintenance

- Periodic maintenance for external cleaning of the structure and the screen from dust and smog and for checking the fastening to the support.
- It is the responsibility of the installer to ensure correct installation and electrical connection in accordance with applicable regulations.

Painting

- Powder painting.
- Standard colors: Neri grey.

Accessories

The accessories are supplied with the product and must be assembled on site by the installer.

- Honeycomb (code 9596.350.003).
- Flush pole Ø89, height 4-5-6 meters with flange and buried root.

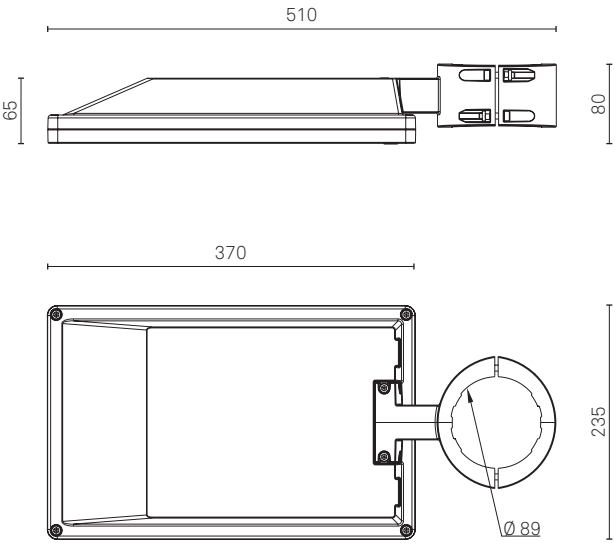
Options

- 10kV/10kV surge protection with discharge device.
- Power cable.
- House Side Shield.

IMAGE



DRAWINGS



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-C	Asymmetric Road	100%	0%
Type III-H	Asymmetric Road	100%	0%
Type IV-A	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
 - Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	65,9	114	24	2 x 438	59,6	126
6000	51,6	116	24	2 x 342	45,8	131
4500	40,0	112	16	2 x 389	35,1	128
3500	30,4	115	16	2 x 295	26,2	134
2500	21,4	117	16	2 x 206	17,9	140
1500	12,8	117	16	2 x 121	10,3	145

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	69,9	107	24	2 x 464	63,4	118
6000	54,5	110	24	2 x 361	48,6	123
4500	42,4	106	16	2 x 412	37,2	121
3500	32,1	109	16	2 x 312	27,7	126
2500	22,6	111	16	2 x 217	19,0	132
1500	13,5	111	16	2 x 127	10,9	138

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	74,1	101	24	2 x 490	67,3	111
6000	57,5	104	24	2 x 382	51,5	116
4500	42,5	106	24	2 x 278	36,9	122
3500	33,8	103	16	2 x 329	29,4	119
2500	23,7	105	16	2 x 229	20,0	125
1500	14,2	106	16	2 x 134	11,5	131

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
 - LED type: Lumileds Luxeon 5050 6V
 - Source efficiency LED: 174 lm/W @ $T_j = 25^\circ\text{C}$, 360 mA, 3000K
 - Source efficiency LED: 183 lm/W @ $T_j = 25^\circ\text{C}$, 360 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (R_a): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.
 - Photobiological risk (IEC/TR 62778): RG1 Unlimited.

DRIVER FUNCTIONS

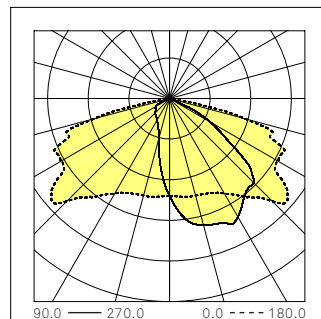
DALI + NCL (Digital control + Neri Constant Lumen)

Casambi

POLAR DIAGRAMS

Type III C

Luminous intensity class G*4



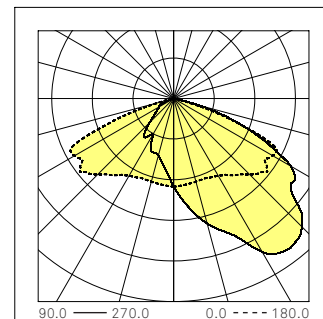
CIE flux code

N.1	N.2	N.3	N.4	N.5
37	75	97	100	100



Type III H

Luminous intensity class G*6



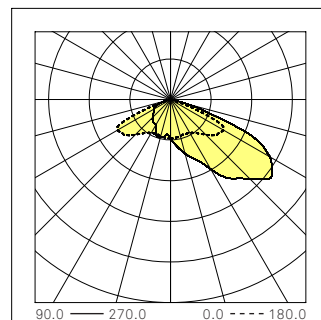
CIE flux code

N.1	N.2	N.3	N.4	N.5
35	74	98	100	100



Type IV A

Luminous intensity class G*4



CIE flux code

N.1	N.2	N.3	N.4	N.5
29	70	97	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-H + HSS	Asymmetric Road	100%	0%
Type IV-A + HSS	Asymmetric Road	100%	0%

* optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	69,9	86	24	463	63,4	95
4500	50,8	89	24	2 x 336	45,0	100
3500	41,0	85	16	2 x 399	36,0	97
2500	28,4	88	16	2 x 275	24,3	103
1500	16,9	89	16	2 x 160	13,8	109

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
6000	74,2	81	24	2 x 491	67,4	89
4500	53,7	84	24	2 x 356	47,8	94
3500	43,5	80	16	2 x 422	38,2	92
2500	30,0	83	16	2 x 291	25,8	97
1500	17,8	85	16	2 x 169	14,6	103

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
4500	56,6	80	24	2 x 375	50,6	89
3500	43,4	81	24	2 x 285	37,8	93
2500	31,6	79	16	2 x 307	27,3	92
1500	18,6	80	16	2 x 178	15,4	97

** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
- LED type: Lumileds Luxeon 5050 6V
Source efficiency LED: 174 lm/W @ Tj=25°C, 360 mA, 3000K
Source efficiency LED: 183 lm/W @ Tj=25°C, 360 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (Tq = 25°C).
- Colour Rendering Index (Ra): ≥ 80 .
- Angular color uniformity $\Delta u'v' \leq 0.005$.
- Photobiological risk (IEC/TR 62778): RG1 Unlimited.

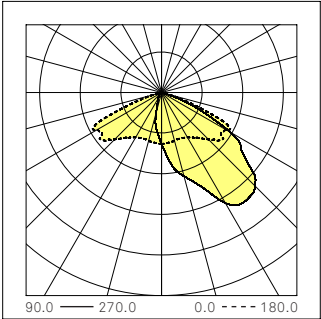
DRIVER FUNCTIONS

DALI + NCL (Digital control + Neri Constant Lumen)
Casambi

POLAR DIAGRAMS

Type III H + HSS

Luminous intensity class G*4

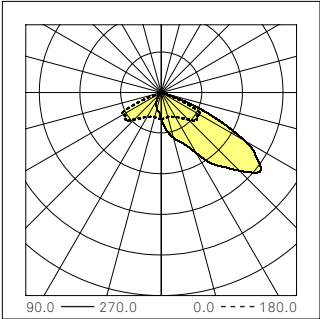


CIE flux code					
N.1	N.2	N.3	N.4	N.5	
35	77	99	100	100	

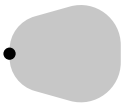


Type IV A + HSS

Luminous intensity class G*4



CIE flux code					
N.1	N.2	N.3	N.4	N.5	
28	73	99	100	100	



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type V-B	Symmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
 - Plastic reflector for light beam control and glare reduction.

Source - 4000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
9000	67,4	133	24	2 x 448	61,1	147
7500	55,1	136	24	2 x 365	49,2	153
6000	43,6	138	24	2 x 286	38,0	158
4500	33,4	135	16	2 x 325	29,0	155
3500	25,6	137	16	2 x 247	21,8	161
2500	18,2	137	16	2 x 173	15,0	167
1500	10,9	137	16	2 x 102	8,7	173

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
9000	71,5	126	24	2 x 474	64,9	139
7500	58,2	129	24	2 x 386	52,2	144
6000	45,9	131	24	2 x 302	40,2	149
4500	35,3	127	16	2 x 344	30,7	146
3500	27,0	130	16	2 x 261	23,0	152
2500	19,1	131	16	2 x 183	15,8	158
1500	11,5	130	16	2 x 107	9,2	164

Source - 2700K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
7500	61,4	122	24	2 x 408	55,3	136
6000	48,3	124	24	2 x 319	42,6	141
4500	37,3	121	16	2 x 363	32,6	138
3500	28,4	123	16	2 x 276	24,4	144
2500	20,1	124	16	2 x 192	16,7	150
1500	12,1	124	16	2 x 113	9,7	155

- ** The energetic values in the table are referred to the LED + Power supply.
- CCT 2200K on request.
 - LED type: Lumileds Luxeon 5050 6V
 - Source efficiency LED: 174 lm/W @ Tj=25°C, 360 mA, 3000K
 - Source efficiency LED: 183 lm/W @ Tj=25°C, 360 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 100,000h L90B10 (Tq = 25°C).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.
 - Photobiological risk (IEC/TR 62778): RG1 Unlimited.

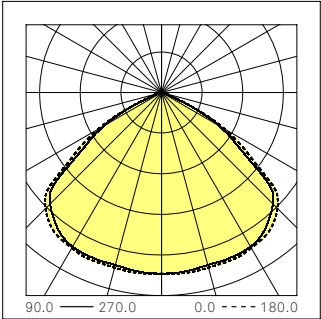
DRIVER FUNCTIONS

DALI + NCL (Digital control + Neri Constant Lumen)
Casambi

POLAR DIAGRAMS

Type V B

Luminous intensity class	G*6
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CIE flux code				
N.1	N.2	N.3	N.4	N.5
50	92	100	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-C	Asymmetric Road	100%	0%
Type III-H	Asymmetric Road	100%	0%
Type IV-A	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: $< 0.49 \text{ cd/klm}$.
 - Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
4500	49,8	90	24	644	44,1	102
3500	36,9	95	24	474	32,2	109
2500	25,0	100	24	321	21,5	116
1500	14,2	105	24	185	12,1	124

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
 - Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
 - Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (R_a): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF_{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

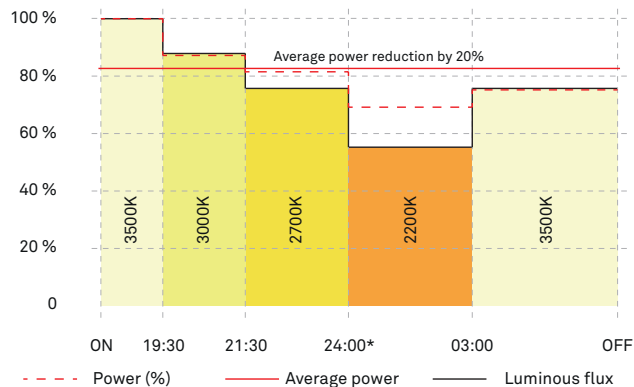
PF_{CCT} : Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

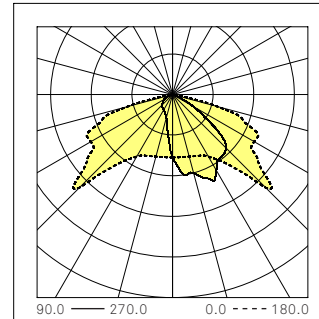
01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

POLAR DIAGRAMS

Type III C

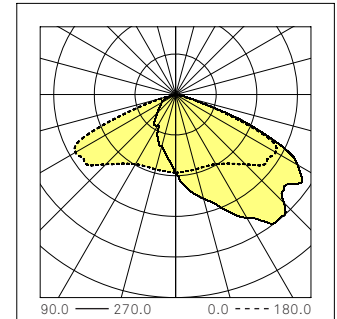
Luminous intensity class G*4



CIE flux code				
N.1	N.2	N.3	N.4	N.5
37	77	98	100	100

Type III H

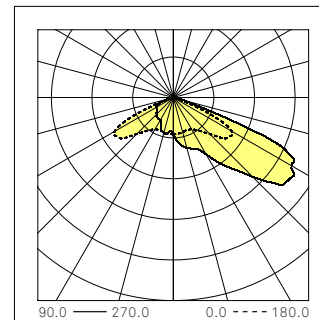
Luminous intensity class G*6



CIE flux code				
N.1	N.2	N.3	N.4	N.5
33	73	98	100	100

Type IV A

Luminous intensity class G*4



CIE flux code				
N.1	N.2	N.3	N.4	N.5
26	69	98	100	100

DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type III-H + HSS	Asymmetric Road	100%	0%
Type IV-A + HSS	Asymmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
- Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
- Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
3000	44,5	67	24	574	39,2	77
2500	35,8	70	24	460	31,2	80
1500	20,0	75	24	257	17,1	88

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
- Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
- Colour Rendering Index (Ra): ≥ 80 .
- Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF _{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

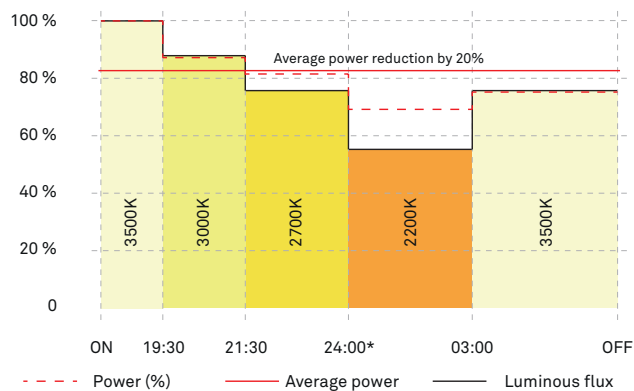
PF_{CCT}: Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUIITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

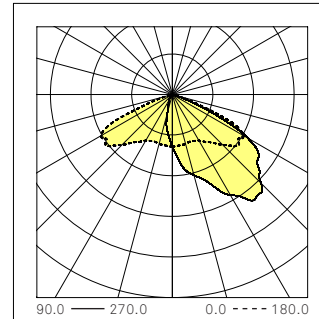
01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

POLAR DIAGRAMS

Type III H + HSS

Luminous intensity class G*4

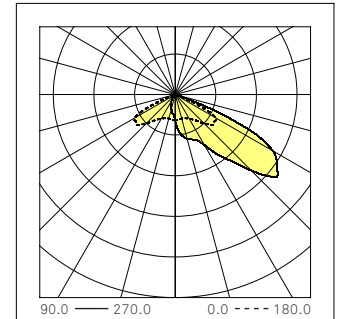


CIE flux code				
N.1	N.2	N.3	N.4	N.5
34	78	99	100	100

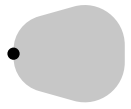


Type IV A + HSS

Luminous intensity class G*4



CIE flux code				
N.1	N.2	N.3	N.4	N.5
26	73	99	100	100



DESCRIPTION

Optic configuration - Transparent screen

Lighting distribution	Distribution type	LOR*	ULOR
Type V-B	Symmetric Road	100%	0%

- * optical efficiency of the device due to physical shielding.
- Modular (2X2) refractive lens in PMMA.
 - Maximum luminous intensity class $\gamma \geq 90^\circ$: < 0.49 cd/klm.
 - Plastic reflector for light beam control and glare reduction.

Source - 3000K

System**		LED Module				
lm	W	lm/W	n.LED	mA	W	lm/W
5000	47,8	105	24	617	42,2	118
4500	42,1	107	24	542	37,0	122
3500	31,3	112	24	402	27,1	129
2500	21,4	117	24	275	18,3	137
1500	12,3	122	24	160	10,4	144

- ** The energetic values in the table are referred to the LED + Power supply.
- LED type: Nichia NVSWE21A-V1
 - Source efficiency LED: 118 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 2200K
 - Source efficiency LED: 149 lm/W @ $T_j = 25^\circ\text{C}$, 700 mA, 4000K
 - Life time specification for gradual light output degradation (EN 62722-2-1, LM80 data) 45.200h L80B10 ($T_q = 25^\circ\text{C}$).
 - Colour Rendering Index (Ra): ≥ 80 .
 - Angular color uniformity $\Delta u'v' \leq 0.005$.

CCT consumption factors table

Correlated colour temperature (CCT)	2200K	2700K	3000K	3500K	4000K
Power factor correction - PF _{CCT}	1,23 (123%)	1,05 (105%)	1,00 (100%)	0,97 (97%)	0,95 (95%)

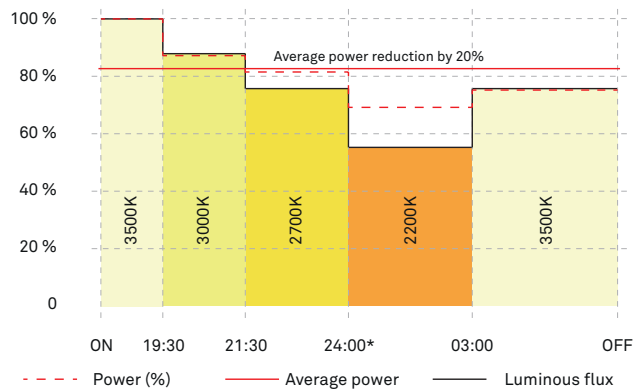
PF_{CCT}: Absorbed power correction factor due to variation of correlated colour temperature (CCT).

Driver functions

NVLK + NCL (Autodimming Kruithof scheme + Neri Constant Lumen)

DALI (DT8)* (Digital control) - *Priority over NVLK

KRUITHOF OPERATING DIAGRAM (NVLK)



*The value 24:00 represents virtual midnight calculated as the equidistant value from the time of switching on and off according to latitude.

PRESET LIGHTING SCENES

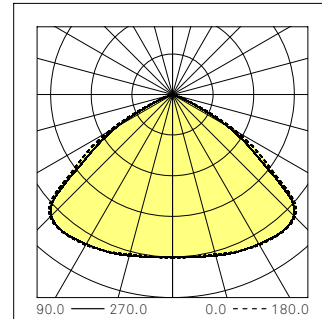
01 4000K (lm 100%)	02 3500K (lm 100%)	03 3000K (lm 100%)	04 2700K (lm 100%)	05 2200K (lm 100%)
06 4000K (lm 75%)	07 3500K (lm 75%)	08 3000K (lm 75%)	09 2700K (lm 75%)	10 2200K (lm 75%)
11 4000K (lm 50%)	12 3500K (lm 50%)	13 3000K (lm 50%)	14 2700K (lm 50%)	15 2200K (lm 50%)

Preset lighting scenes can be programmed with DALI 1 signal, creating one's own favourite composition.

POLAR DIAGRAMS

Type V B

Luminous intensity class	G*6
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CIE flux code				
N.1	N.2	N.3	N.4	N.5
49	93	100	100	100

