

Lighting Tools Interior

Chapter 8
Highbay luminaires



Wide-Area Highbay Luminaires


Wide-area
highbay
luminaire
Page 8.6



Siteco Louvre
Luminaire M
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Highbay Reflector Luminaires


NJ600
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Compact Reflector
Luminaire
NX700
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Floodlights


SiCOMPACT® A2
MINI LED | MIDI LED
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SiCOMPACT® A2
MINI LED | MIDI LED
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SiCOMPACT® A2
MINI | MIDI
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SiCOMPACT® A2
MINI | MIDI
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Luminaires for Special Requirements

for sports halls



Siteco Louvre
Luminaire M
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NJ600
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SiCOMPACT® A2
MINI | MIDI
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Compact Reflector
Luminaire
NX766/767/768
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for highbay racking



DUS®
see section 6



NJ600
Page 8.16



FR100
see section 7



NJ600
Page 8.16












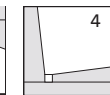















FR-Ex
see section 7

for high or low temperatures

for explosion zone 2 or 22



		Wide-area highbay luminaires	Compact reflector luminaires	Floodlights			
							
		Wide-area highbay luminaire Page 8.6	Siteco Louvre Luminaire M Page 8.12	NX700 Page 8.26	SiCOMPACT® A2 MINI LED MIDI LED Page 8.30	SiCOMPACT® A2 MINI LED MIDI LED Page 8.30	
Mounting	ceiling surface-mounting	■	■	■		■	
	suspended	■	■				
	ceiling recessed			■			
	wall surface-mounted				■	■	
Mounting height (m)		5 – 10	5 – 10	6 – 9	2 – 6 5 – 12	2 – 6 5 – 12	
Protection rating	IP20	■	■	■			
	IP50	■					
	IP65			■			
	IP66				■	■	
Use in sports locations 			■	■			
Light distribution	 1	■ 1	■ 1				
	 2	■ 2	■ 2	■ 2			
	 1				■ 1	■ 1	
	 2				■ 2	■ 2	
	 3					■ 3	
	 4					■ 4	
Light Source	 LED				■	■	
	 T16 G5		28/54W 35/49/58W				
	 T26 G13	58W					
	 TC-TEL GX24q-3						
	 TC-TEL GX24q-4						
	 HST-DE RX7s	 HST-DE Fc2	 HST E27	 HST E40	250/400W		
	 HIT-DE RX7s	 HIT-DE Fc2	 HIT E40		250/400W		
		 QT-DE R7s					





SiCOMPACT® A2
MINI | MIDI
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SiCOMPACT® A2
MINI | MIDI
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	■
■	■
2 - 6 5 - 12	2 - 6 5 - 12
■	■
	■
■ 1 ■ 2	■ 1 ■ 2 ■ 3 ■ 4
26/32/42W	26/32/42W
70/150W 250/400W	70/150W 250/400W
70/150W 250/400W	70/150W 250/400W
160/230W	160/230W 1000W



NJ 600

upper luminaire part
with E27 emergency socket



with ignition timer



standard



				Lamps	Protection rating
		5NJ60061DN		HIT-CE/S 150W	IP20
		5NJ60031DN		HIE/HSE 150W	IP20
5NJ60031EN03 Page 8.24	5NJ60031ENT Page 8.23	5NJ60031EN		HIE/HSE 250W	IP20
5NJ60031FN03 Page 8.24	5NJ60031FNT Page 8.23	5NJ60031FN		HIE/HSE 400W	IP20
		5NJ60031FNA		HIE/HSE 400W	IP20
		5NJ60031AN		HIE/HSE 1000W	IP20
		5NJ60073MN		TC-TEL 26/32W	IP20
Cover panel for alu. reflector	clear	5NJ300000		to 400W	IP65
	clear	5NJ30000T		to 1000W	IP65
	frosted (with hot re-ignition included)	5NJ337000		to 400W	IP65
Prismatic lens (PMMA) for Lexalite® PMMA reflector	Flat prismatic lens	5NJ14301XC			IP20
	Conical prismatic lens	5NJ14301XD			IP20
Ball protection for highbay reflector luminaire	for cover panel	5NJ30000XB			IP40

NJ 600 complete luminaire
incl. aluminium reflector
and frosted cover panel |
with hot re-ignition



5NJ63731KNH Page 8.22	HIT-DE	250W	IP65
5NJ63731LNH Page 8.22	HIT-DE	250W	IP65



Ballproof luminaire, suitable for tennis and squash courts.
Protection against flying balls is only guaranteed with corresponding reflectors, with use of stipulated accessories and with installation by qualified personnel. In particular, no open eyelets or hooks are to be used.



Luminaire suitable for special ambient temperatures.
For detailed information see the product descriptions on the specific Pages.

NJ 600 alu. reflector

wide distribution



5NJ331000
ø 522mm

narrow distribution



5NJ332000
ø 522mm

faceted, wide distribution



5NJ333000
ø 522mm

NJ 600 LexaLite® PMMA reflector

extremely wide distribution



5NJ311000
ø 565mm

linear light distribution corridor illumination



5NJ316000
ø 565mm

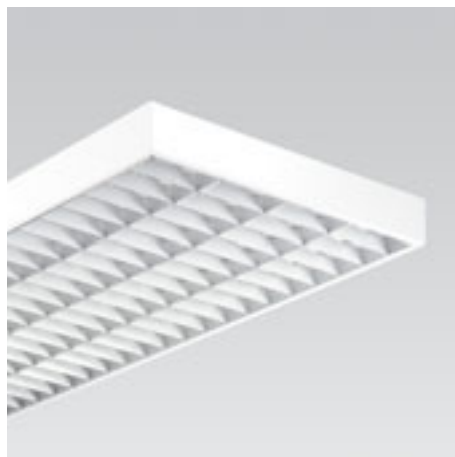
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Page 8.19	Page 8.19	Page 8.20	Page 8.17	
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(incl.)				
(incl.)				

* see www.siteco.com for versions with HME lamps
HME lamps are deemed inefficient and therefore according to the EU directive 245/2009/EG are not permissible for the market from April 2015.



Large-area highbay luminaire

The large-area highbay luminaire for high halls is characterised by a high level of cost efficiency, and has been optimised for use with economical, low maintenance and high-output T26 fluorescent lamps. High quality specular louvres create a homogenous and balanced distribution of light. Combined with a cover panel, the large-area high bay luminaires achieve IP50 protection.



Housing

Sheet steel housing, galvanised, inner and outer coated pure-white (similar to RAL 9010) | mounting for wire or chain upon housing at four positions | louvre is mounted without tools and is held in place in housing with spring catches. It can be hinged down on both sides and remains earthed for protection in this position | luminaire with IP50 protection rating with aluminium frame, matt anodised and cover of PMMA; cover panel with frame can be hinged down on one side | luminaires are designed as individual luminaires for suspended mounting, continuous uninterrupted row possible (luminaire mounted face end to face end) with optional angled rail, mounting near to ceiling is possible

Electrics

Luminaires wired ready for connection | with 5-pole terminal (ECG-dimmable: 5-pole + 2-pole for brightness control), max. 2.5mm²

Lighting technology

Luminaire with direct distribution

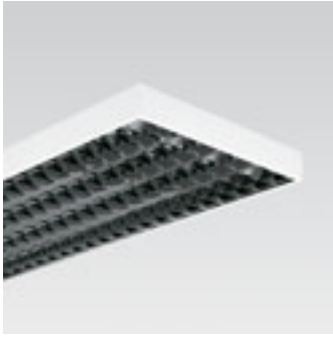
- parabolic highly specular anodised louvre
- aluminium ribbed crossblade louvre, matt anodised





- + suitable for use in difficult ambient conditions with robust metal housing
- + high cost efficiency via long maintenance intervals, low lamp costs
- + very good balanced lighting conditions due to high vertical light component and improved illumination of vertical surfaces
- + minimal construction height
- + IP50 version has internal louvre, protected by a cover panel against soiling
- + uninterrupted continuous rows with use of optional accessory rail





large-area high bay luminaire for ceiling surface or suspended mounting | with parabolic louvre, highly specular | for T26

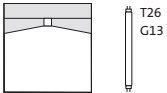
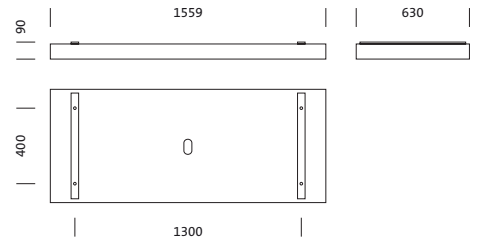
Large-area high bay luminaire for ceiling surface or suspended mounting | with highly specular parabolic louvre, direct distribution | with ECG | sheet steel housing, galvanised, pure white (similar to RAL 9010)

Protection rating: IP20

Insulation class: I

Protection symbol: F

(including 4 quick-release links for chains)



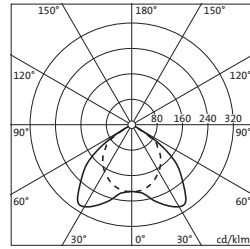
Lamps	Socket	Wt. (kg)	ECG Order No.	ECG(1..10V) Order No.
4x T26 58W	G13	14.6	5LJ15674E	5LJ15664E

- height specification H: housing height + shadow gap on mounting surface

5LJ15674E

4 x T26 58W/840 ϕ 20000 lm

η_{lm} 60.5%



Luminance values (cd/m²)

	-----	-----
	C 0/180	C 90/270
L ₉₀	0	0
L ₇₀	66	66
L ₅₀	106	106

UGR 17.5 16.5
X 4H Y 8H ρ 70/50/20 S 0.25H

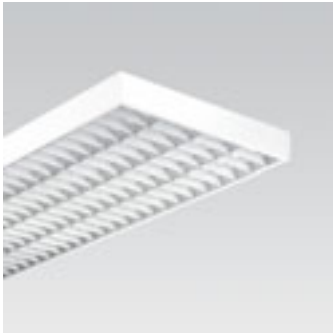
No. of luminaires in room

Reflection factors 70/50/20

Ern(lx)	100	200	500
Lh(m)	5.5	7.5	5.5
200 m ²	2.5	2.9	4.9
300 m ²	3.5	3.9	7.0
500 m ²	5.5	6.0	11
750 m ²	7.9	8.5	16
1000 m ²	10	11	21
1500 m ²	15	16	30
2000 m ²	20	21	39

Maintenance factor 0.8 Rh = Lh + 0.5 m





large-area high bay luminaire for ceiling surface or suspended mounting | with ribbed aluminium louvre, matt | for T26

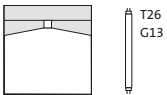
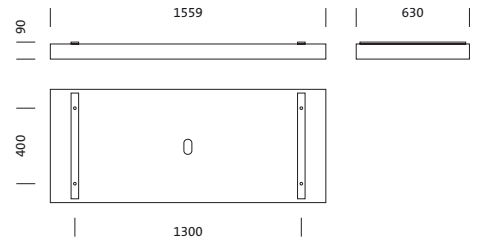
Large-area high bay luminaire for ceiling surface or suspended mounting | with ribbed matt aluminium louvre, direct distribution | with ECG | sheet steel housing, galvanised, pure white (similar to RAL 9010)

Protection rating: IP20

Insulation class: I

Protection symbol: F

(including 4 quick-release links for chains)



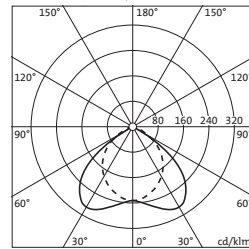
Lamps	Socket	Wt. (kg)	ECG Order No.	ECG(1..10V) Order No.
4x T26 58W	G13	14.8	5LJ15574E	5LJ15564E

- height specification H: housing height + shadow gap on mounting surface

5LJ15574E

4 x T26 58W/840 ϕ 20000 lm

η_{lm} 62.4%



Luminance values (cd/m²)

	C 0/180	C 90/270
L ₉₀	129	1033
L ₇₀	262	1574
L ₅₀	371	1963

UGR 17.5 17.8
X 4H Y 8H ρ 70/50/20 S 0.25H

No. of luminaires in room

Reflection factors 70/50/20

Ern(lx)	100	200	500
Lh(m)	5.5	7.5	5.5
200 m ²	2.4	2.9	4.9
300 m ²	3.4	3.9	6.9
500 m ²	5.4	5.9	11
750 m ²	7.7	8.4	15
1000 m ²	10	11	20
1500 m ²	15	15	29
2000 m ²	19	20	38

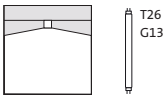
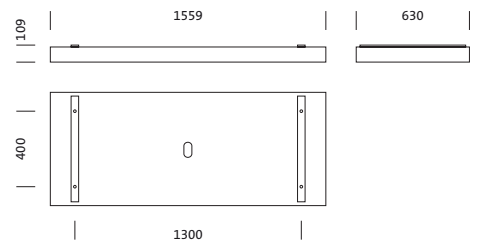
Maintenance factor 0.8 Rh = Lh + 0.5 m





large-area high bay luminaire for ceiling surface or suspended mounting | with transparent cover of PMMA | with parabolic louvre, highly specular | for T26

Large-area high bay luminaire for ceiling surface or suspended mounting | with parabolic louvre, highly specular; direct distribution; with transparent cover | with ECG | sheet steel housing, galvanised, pure white (similar to RAL 9010); frame of aluminium profile, matt; cover of PMMA



Protection rating: IP50

Insulation class: I

Protection symbol: F

(including 4 quick-release links for chains)



Lamps	Socket	Wt. (kg)	ECG Order No.	ECG(1..10V) Order No.
4x T26 58W	G13	19.4	5LS15674E	5LS15664E

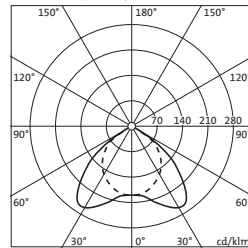
parabolic specular louvre, highly specular, direct distribution

- height specification H: housing height + shadow gap on mounting surface

5LS15674E

4 x T26 58W/840 ϕ 20000 lm

η_{lm} 52.8%



Luminescence values (cd/m²)

	C 0/180	C 90/270
L ₈₀	129	129
L ₇₀	262	131
L ₆₅	318	159

UGR 16.9 15.9
X 4H Y 8H ρ 70/50/20 S 0.25H

No. of luminaires in room

Reflection factors 70/50/20

Em(lx)	100	200	500
Lh(m)	5.5	7.5	5.5
200 m ²	2.8	3.3	5.7
300 m ²	4.0	4.5	8.0
500 m ²	6.3	6.9	13
750 m ²	9.0	9.7	18
1000 m ²	12	13	24
1500 m ²	17	18	34
2000 m ²	23	24	45

Maintenance factor 0.8

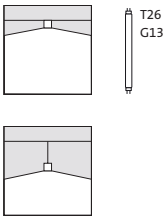
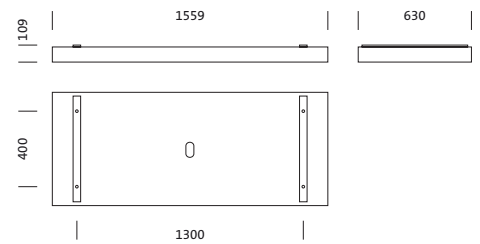
Rh = Lh + 0.5 m





large-area high bay luminaire for ceiling surface or suspended mounting | with transparent cover of PMMA | with ribbed aluminium louvre, matt | for T26

Large-area high bay luminaire for ceiling surface or suspended mounting | with ribbed matt aluminium louvre, direct distribution; with transparent cover | with ECG | sheet steel housing, galvanised, pure white (similar to RAL 9010); frame of aluminium profile, matt; cover of PMMA

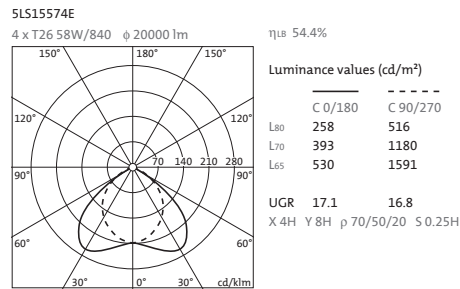


Protection rating: IP50
 Insulation class: I
 Protection symbol: F
 (including 4 quick-release links for chains)



Lamps	Socket	Wt. (kg)	ECG Order No.	ECG(1..10V) Order No.
4x T26 58W	G13	19.6	5LS15574E	5LS15564E

- height specification H: housing height + shadow gap on mounting surface



Em(x)	No. of luminaires in room				
	Reflection factors 70/50/20				
	100	200	500	500	500
Lh(m)	5.5	7.5	5.5	7.5	7.5
200 m ²	2.8	3.3	5.6	6.5	14
300 m ²	3.9	4.5	7.8	8.9	20
500 m ²	6.1	6.8	12	14	31
750 m ²	8.8	9.5	18	19	44
1000 m ²	11	12	23	25	57
1500 m ²	17	18	33	35	84
2000 m ²	22	23	44	46	115

Maintenance factor 0.8 Rh = Lh + 0.5 m

Wide-area Highbay Luminaire Mounting Accessories



Mounting rail
 for horizontal or oblique suspension of sports hall luminaires as seamless continuous rows (luminaires mounted end to end) | Perforated angled rail, galvanised steel, L= 3000mm (oblique suspension via different chain lengths)

Type	PU	Order No.
Mounting rails ¹⁾	set of 2	5LF90920X
Connector for mounting rails ²⁾	set of 2	5LF90910XV
Fixing screws ³⁾	set of 4	5LF9084

1) double arrangement above luminaires
 2) incl. mounting material
 3) 4 pieces required per luminaire



Chain, galvanised
 inner link size 7 x 40mm
 load capacity: 56kg

Type	Order No.
Chain	galvanised 5LY9005

- Chain: per metre



Quick-release link, galvanised
 inner link size 8 x 20mm
 load capacity: 50kg

Type	Order No.
Quick-release link	galvanised 5LY9113

Turnbuckle
 for height adjustment with chain suspension | with two closed eyelets | galvanised steel, partly diecast aluminium
 Load capacity: 20kg

Type	Order No.
Turnbuckle	5LY91401

- inc. 2 quick-release links



Siteco Louvre Luminaire M

The Siteco Louvre Luminaire M family features an especially flat construction as well as modern lighting technology for optimised light output ratios. Energy-efficient, low maintenance T16 fluorescent lamps and high quality louvre inserts are used. With the impact-resistant polycarbonate cover, the Siteco Louvre Luminaire M luminaires are suitable for lighting sports halls when the luminaire installation must also be ball-proof. The Siteco Louvre Luminaire M high bay luminaires can also be mounted in continuous rows with a rail as accessory.

- + certified according to DIN EN 18032-3 for direct ceiling mounting or suspended mounting (with special accessories permitted for these luminaires)
- + ball protection via transparent cover panel
- + suitable for tennis and squash courts
- + minimised construction height (60mm) allows use in compact spaces
- + safety catch as standard prevents unintentional opening of housing
- + high level of visual comfort with louvre (glare reduction)
- + high vertical light component with white louvre
- + high luminous efficacy and cost-efficient operation with T16 lamps
- + separate switching possible
- + maintenance-friendly: cover panel can be hinged down on both sides
- + uninterrupted continuous rows with use of optional accessory rail



Housing

Housing of sheet steel, metallic grey (RAL 9006) | louvre is installed without tools and fixed into luminaire housing with catches | louvre retained with safety retaining cords and earthed for protection even when hinged downwards | cover of PC, can be hinged down on both sides | luminaires are designed as single luminaires for ceiling surface mounting, continuous row mounting also possible | suspended continuous rows (luminaires mounted face end to face end) possible via optional angle rails

Mounting information

Protection against flying balls is only guaranteed with installation by qualified personnel and for suspended mounting only with use of trunking rails stipulated in the accessories. In particular, no open eyelets or hooks are to be used – only closed eyelets.

Electrics

Luminaires wired ready for connection | with 5-pole terminal (ECG DALI and ECG dimmable: 5-pole +

2-pole for control signal), max. 2.5mm² | knock-outs at face end for through-wiring of continuous rows (with special wiring sets or with single-core cable e.g. H07-V)

Lighting technology

Luminaire with direct distribution, aluminium louvre, with good glare reduction for high level of visual comfort, especially with sports where participants look upwards (such as basketball or gymnastics)

- aluminium ribbed crossblade louvre, matt anodised, direct distribution
- aluminium louvre, pure white coated, direct distribution for high vertical light component
- asymmetric light distribution via oblique suspension





Siteco® Louvre Luminaire M for ceiling surface or suspended mounting | with ribbed aluminium louvre, matt | with transparent cover of PC | for T16

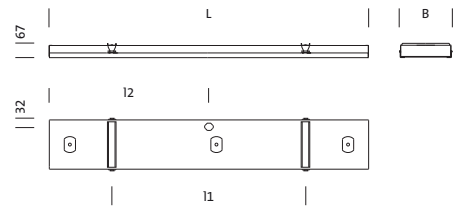
Siteco® Louvre Luminaire M for ceiling surface or suspended mounting | with ribbed matt aluminium louvre, direct distribution; with transparent cover | with ECG | housing of sheet steel, metallic grey (RAL 9006); cover of PC

Protection rating: IP20

Insulation class: I

Ballproof luminaire, suitable for tennis and squash courts*

* protection against flying balls is only guaranteed with installation by qualified personnel and with use of stipulated accessories.



	L	11	12	B
2xT16 49W	1492	925	746	246
2xT16 54W	1192	625	596	246
2xT16 80W	1492	925	746	246
3xT16 49W	1492	925	746	330
3xT16 54W	1192	625	596	330
3xT16 80W	1492	925	746	330



Lamps	Socket	Wt. (kg)	ECG Multiwatt(DALI) Order No.	ECG Multiwatt(1..10V) Order No.
profile cross-blade louvre				
2x T16 28/54W	G5	6.7		5LF28662H
2x T16 35/49/80W	G5	8.6		5LF28662Q
3x T16 28/54W	G5	8.6	5LF286D3H	5LF28663H
3x T16 35/49/80W	G5	9.7	5LF286D3Q	5LF28663Q

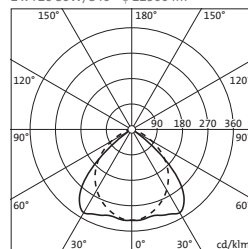
Lamps	Socket	Wt. (kg)	ECG Order No.
profile cross-blade louvre			
2x T16 49W	G5	8.0	5LF28672F
2x T16 54W	G5	6.8	5LF28672J
2x T16 80W	G5	8.0	5LF28672X
3x T16 49W	G5	10.1	5LF28673F
3x T16 54W	G5	8.5	5LF28673J
3x T16 80W	G5	10.3	5LF28673X

-height specification H: housing height + shadow gap on mounting surface

5LF28672X

2 x T16 80W/840 φ 12300 lm

η_{LS} 68.8%



Luminance values (cd/m²)

	C 0/180	C 90/270
L ₈₀	222	1857
L ₇₀	464	4463
L ₅₀	684	6565

UGR 18.9 21.2
X 4H Y 8H ρ 70/50/20 S 0.25H

No. of luminaires in room

Reflection factors 70/50/20

Em(lx)	100			200			500		
	Lh(m)	5.5	7.5	5.5	7.5	5.5	7.5	5.5	7.5
200 m ²	3.5	4.1	7.0	8.1	18	20			
300 m ²	4.9	5.6	9.9	11	25	28			
500 m ²	7.8	8.5	16	17	39	43			
750 m ²	11	12	22	24	56	60			
1000 m ²	15	16	29	31	73	78			
1500 m ²	21	22	43	45	107	112			
2000 m ²	28	29	56	59	140	147			

Factors of other lamp configurations

3x80W 0.7

Maintenance factor 0.8

R_h = L_h + 0.5 m





Siteco® Louvre Luminaire M for ceiling surface or suspended mounting | with white louvre | with transparent cover of PC | for T16

Siteco® Louvre Luminaire M for ceiling surface or suspended mounting | with white louvre, direct distribution; with transparent cover | with ECG | housing of sheet steel, metallic grey (RAL 9006); cover of PC

Protection rating: IP20

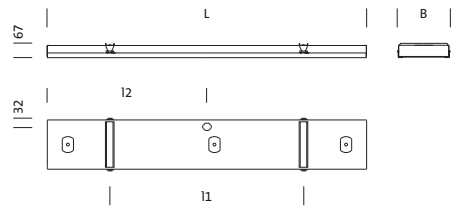
Insulation class: I

Ballproof luminaire, suitable for tennis and squash courts*

* protection against flying balls is only guaranteed with installation by qualified personnel and with use of stipulated accessories.



T16
G5



	L	11	12	B
2xT16 49W	1492	925	746	246
2xT16 54W	1192	625	596	246
2xT16 80W	1492	925	746	246
3xT16 49W	1492	925	746	330
3xT16 54W	1192	625	596	330
3xT16 80W	1492	925	746	330



Lamps	Socket	Wt. (kg)	ECG Multiwatt(1..10V) Order No.
louvre, white			
2x T16 35/49/80W	G5	8.5	5LF28762Q
3x T16 28/54W	G5	8.6	5LF28763H
3x T16 35/49/80W	G5	9.6	5LF28763Q

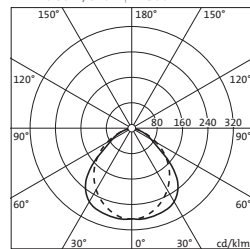
Lamps	Socket	Wt. (kg)	ECG Order No.
louvre, white			
2x T16 49W	G5	8.7	5LF28772F
2x T16 54W	G5	6.8	5LF28772J
2x T16 80W	G5	8.8	5LF28772X
3x T16 49W	G5	9.2	5LF28773F
3x T16 54W	G5	8.7	5LF28773J
3x T16 80W	G5	10.7	5LF28773X

- height specification H: housing height + shadow gap on mounting surface

5LF28772X

2 x T16 80W/840 φ 12300 lm

η_{lm} 67.9%



Luminance values (cd/m²)

	C 0/180	C 90/270
L ₈₀	2923	3295
L ₇₀	5709	6165
L ₅₀	6747	7848

UGR 21.8 22.3
X 4H Y 8H ρ 70/50/20 S 0.25H

No. of luminaires in room

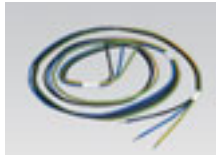
Reflection factors 70/50/20

Em(lx)	100	200	500
Lh(m)	5.5	7.5	5.5
200 m²	3.7	4.4	7.4
300 m²	5.2	5.9	10
500 m²	8.1	9.0	16
750 m²	12	13	23
1000 m²	15	16	30
1500 m²	22	23	44
2000 m²	29	30	58

Maintenance factor 0.8

R_h = L_h + 0.5 m

Siteco Louvre Luminaire M Electrical accessories

**Through-wiring set**

for through-wiring from terminal of one luminaire to terminal of adjacent luminaire (seamless continuous row arrangement, luminaires mounted end to end)

Type	Order No.
Through-wiring 54W	
3x 1.5mm ²	5LY9115
5x 1.5mm ²	5LY9117
Through-wiring 49W and 80W	
3x 1.5mm ²	5LY9116
5x 1.5mm ²	5LY9118

- Please order cable gland separately
- a 2-pole supplementary terminal (L2, L3) is required for 5-pole through-wiring per luminaire

**Cable gland**

for cable entry at the end | to protect the wiring in continuous row arrangements and to align luminaires

Type	Order No.
Cable gland	5LY9183

Siteco Louvre Luminaire M Mounting accessories

Protection against flying balls in accordance with DIN EN 12 193 for suspended mounting of the sports hall luminaire is only guaranteed with use of the specially approved accessories and when the following conditions are met:

Single arrangements of luminaires: chain secured directly to luminaire housing with quick-release links (4-point suspension)

Luminaires installed as continuous rows (mounted end to end): luminaires immovably secured to mounting rails (perforated angled rails) by means of screws.

Rails suspended via chains with quick-release links.

When suspending, open hooks should never be used. Always use **ONLY CLOSED EYELETS**. The number of mounting points with continuous rows results from the weight of the complete row (rail and luminaires) and the load capacity of the hangers. The maximum permissible distance between two mounting points and the maximum permissible length of the unsupported rail end must not be exceeded.

- maximum permissible length between two mounting points: $l_{\max} = 1.55\text{m}$
- maximum permissible length of unsupported rail end: $l_{a_{\max}} = 0.77\text{m}$

**Mounting rail**

for horizontal or oblique suspension of sports hall luminaires as continuous rows (luminaires mounted end to end) | perforated angled rail, galvanised steel, L = 3000mm (oblique suspension via differing chain lengths)

Type	PU	Order No.
Mounting rails ¹⁾	set of 2	5LF90920X
Connector for mounting rails ²⁾	set of 2	5LF90910XV
Fixing screws ³⁾	set of 4	5LF9084

- 1) double arrangement above luminaires
- 2) incl. mounting material
- 3) 4 pieces required per luminaire

**Chain, galvanised**

inner link size 7 x 40mm
load capacity: 56kg

Type	Order No.
Chain galvanised	5LY9005

- Chain: per metre
- please order the required number of quick-release links separately

Quick-release link, galvanised

inner link size 8 x 20mm
load capacity: 50kg

Type	Order No.
Quick-release link galvanised	5LY9113

**Turnbuckle**

for height adjustment with chain suspension | with two closed eyelets | galvanised steel, partly diecast aluminium
Load capacity: 20kg

Type	Order No.
Turnbuckle	5LY91401

- incl. 2 quick-release links



NJ600

The highbay reflector luminaires of the NJ600 family consist of three components: an upper luminaire part, a specular reflector and a cover. These three modules form a modular system that meets a variety of lighting demands with use of various optical components. Prismatic reflectors with decorative ceiling illumination, aluminium reflectors and faceted aluminium reflectors are available. These enable light distribution from narrow distribution to extremely wide distribution with ceiling illumination. In addition, use of a cover (for aluminium reflectors) increases the protection rating from IP20 to IP65. The highbay reflector luminaires are designed for various lamp configurations. With individual configurations they can be used for lighting tasks in high halls, sports halls, high bay racking warehouses and in rooms with extreme temperatures.

- + conforms with stringent demands of the automotive industry (LABS-free)
- + partly suitable for rooms with temperatures from -25°C to +55°C
- + modern industrial design
- + housing of diecast aluminium
- + suitable for use of innovative light sources such as HIE-CE/S
- + emergency light or ignition timer possible
- + simple luminaire installation (pre-assembled connection cable and mounting eyelet)
- + simple reflector mounting (keyholes)



Mounting information

The NJ 600 reflector luminaires in versions 26W...400W in combination with aluminium reflector, cover and ball protection are ball impact resistant (exception: versions for hot re-ignition). Protection against flying balls is only guaranteed with installation and mounting by qualified personnel. In particular, no open eyelets or hooks must be used – only closed eyelets.

Housing

Housing of diecast aluminium with circular compact design, powder-coated Siteco® metallic grey (DB 702S) | with suspension eyelet for 1- or 2-point suspension | with PMMA cover (Lexalite® prismatic reflector) or aluminium reflector | cover of toughened safety glass, with silicon-free sealing (exception: 1000W version) or cover of PMMA (prismatic lens) | all electrical components integrated in housing (exception: 1000W version without ballast; separate ballast block with 4-point mounting (for diameter 8mm) for fixing to wall or ceiling (please order upper part, reflector and cover separately | with 1000W: please order ballast block separately)

Electrics

Luminaire wired ready for connection, with pre-installed connection cable, 3x 1.0mm² (with HIE-CE/S 150W with ECG dimmable: 5x 0.75mm² – 3-pole + 2-pole for control signal), l=0.9m (free ends with wire end sleeves) | either with high-pressure lamp (with CCG, with parallel p.f. connection or ECG-dimmable (1..10V)) or with compact fluorescent lamps (with ECG Multiwatt) | according to version with hot re-ignition, ignition timer or emergency lamp socket

| all components required for operation are accommodated in housing (exception: 1000W version) | 1000W version (5NJ60031AN) with external ballast block (with ballast and compensation capacitor); please order ballast block for 1000W version separately

Lighting technology

- Lexalite® prismatic reflector: of translucent PMMA, extremely wide distribution with decorative ceiling illumination, for high vertical illuminance levels
- corridor reflector: LexaLite® prismatic reflector of PMMA (translucent) with aluminium reflector inserts, for linear light distribution with good uniformity and high vertical illuminance levels
- aluminium soft reflector: narrow or extremely wide distribution
- aluminium soft-faceted reflector: with decorative circular facets, extremely wide distribution

Accessory for LexaLite® prismatic reflector:

- decorative lenses for especially diffuse light distribution

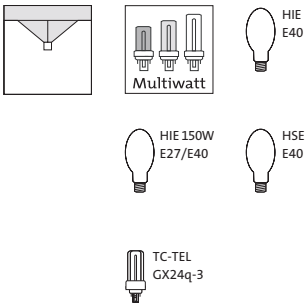
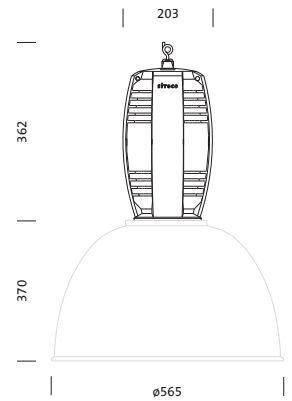
Accessory for aluminium reflector:

- cover panel + sealing for IP65



NJ600 reflector luminaire for suspended mounting | with Lexalite® prismatic reflector | wide distribution with ceiling illumination

NJ600 reflector luminaire for suspended mounting | with Lexalite® prismatic reflector, translucent, wide distribution with decorative ceiling illumination | with ECG or LLCG, parallel p.f. correction | housing of diecast aluminium, Siteco® metallic grey (DB 702S); reflector of PMMA



Protection rating: IP20 (IP20 with prismatic lens)
 Insulation class: I
 Protection symbol: F
 (incl. pre-assembled connection cable, L = 0.9m)

Temperature areas (according to specification):
 3x TC-TEL 26/32W (type: ...73MN): 0°C..+35°C
 1x HIE/HSE 400W (type: ...31FNA): -25°C..+35°C
 1x HIE/HSE <=250W (type: ...31DN | ...31EN): -25°C..+25°C

Luminaires with prismatic reflector are always classified as 'open luminaires' (even when operated with prismatic lenses)
 With use of 'HIE lamps ≥ 250W', these lamps must be 'approved for open luminaires' (specification of lamp manufacturer)



Lamps	Socket	Wt. (kg)	ECG Multiwatt Order No.
luminaire upper part			
3x TC-TEL 26/32W	GX24q-3	5.7	5NJ60073MN
LLCG w. th. prot., p.f. corr.			
Lamps	Socket	Wt. (kg)	Order No.
luminaire upper part			
1x HIE HSE 150W	E40	7.8	5NJ60031DN
1x HIE HSE 250W	E40	9.5	5NJ60031EN
1x HIE HSE 400W	E40	11.5	5NJ60031FNA

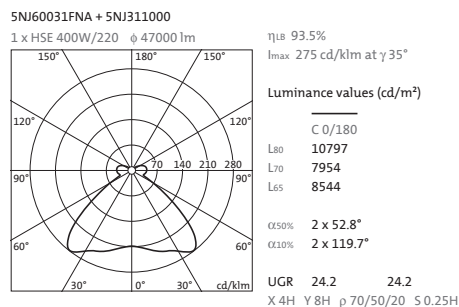
- please order upper part and reflector separately
 - please order prismatic lens separately if required
 - for HIE 150W lamps, a E40/E27 socket adapter is additionally required depending upon lamp manufacturer (please order socket adapter, order no. 5NA59000XF separately)

Mandatory accessories

Article	Wt. (kg)	Order No.
reflector, PMMA, transparent prismatic structure, wide distribution, ø 565 mm	2.5	5NJ311000

Accessories (for details see page 8.25)

Article	Wt. (kg)	Order No.
flat prismatic lens, PMMA, ø 565 mm	1.4	5NJ14301XC
truncated cone prismatic lens, PMMA, ø 565 mm	1.5	5NJ14301XD
socket adapter E40/E27	0.1	5NA59000XF



H(m)	ø(m)	E _{max} (lx)	Em(lx)	No. of luminaires in room
4	10.54	615	408	Reflection factors 70/50/20
5	13.17	393	261	Em(lx) 100 200 500
6	15.81	273	182	Lh(m) 7.5 9.5 7.5 9.5 7.5 9.5
7	18.44	201	133	200 m ² 0.9 1.1 1.9 2.2 4.7 5.5
8	21.08	154	102	300 m ² 1.3 1.5 2.5 2.9 6.3 7.3
				500 m ² 1.9 2.1 3.8 4.2 9.5 11
				750 m ² 2.7 2.9 5.4 5.8 13 15
				1000 m ² 3.4 3.7 6.9 7.4 17 18
				1500 m ² 4.9 5.2 9.8 10 24 26
				2000 m ² 6.4 6.7 13 13 32 34

Factors of other lamp configurations
 1x150W 3.1 1x250W 1.5
 Maintenance factor 0.8 Rh = Lh + 0.5 m



NJ600 reflector luminaire for suspended mounting | with Lexalite® prismatic reflector | linear light distribution for highbay racking

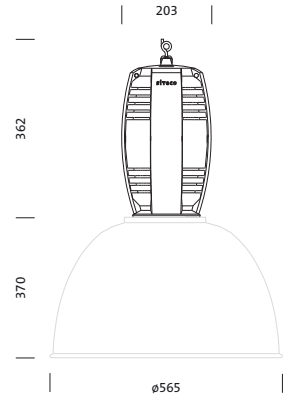
NJ600 reflector luminaire for suspended mounting | with LexaLite® prismatic aisle reflector, translucent, linear wide distribution with decorative ceiling illumination | with LLCG, parallel p.f. corrected | housing of diecast aluminium, Siteco® metallic grey (DB 702S); reflector of PMMA with aluminium specular reflector inserts



Protection rating: IP20
 Insulation class: I
 Protection symbol: F
 (incl. pre-assembled connection cable, L = 0.9m)

Temperature areas (according to specification):
 1x HIE/HSE 400W: -25°C..+35°C
 1x HIE/HSE 250W: -25°C..+25°C

Luminaires with prismatic reflector are always classified as 'open luminaires' (even when operated with prismatic lenses)
 With use of 'HIE lamps ≥ 250W', these lamps must be 'approved for open luminaires' (specification of lamp manufacturer)



LLCG w. th. prot., p.f. corr.

Lamps	Socket	Wt. (kg)	Order No.
luminaire upper part			
1x HIE HSE 250W	E40	9.5	5NJ60031EN
1x HIE HSE 400W	E40	11.5	5NJ60031FNA

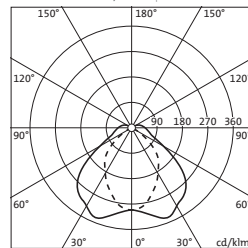
- please order upper part and reflector separately
 - please order prismatic lens separately if required

Mandatory accessories

Article	Wt. (kg)	Order No.
corridor reflector, PMMA, transparent prismatic structure, wide distribution, Ø 565 mm	4.7	5NJ316000

5NJ60031FNA + 5NJ316000

1 x HSE-MF 400W/220 φ 54000 lm



H(m)	φ(m)	E _{max} (lx)	Em(lx)
4	11.95	993	562
5	14.94	635	360
6	17.93	441	250
7	20.91	324	183
8	23.90	248	140

No. of luminaires in room	
Reflection factors 70/50/20	
Em(lx)	100 200 500
Lh(m)	7.5 9.5 7.5 9.5 7.5 9.5
200 m ²	0.9 1.0 1.7 2.0 4.3 5.0
300 m ²	1.2 1.3 2.3 2.7 5.8 6.6
500 m ²	1.8 1.9 3.5 3.9 8.8 9.7
750 m ²	2.5 2.7 4.9 5.4 12 13
1000 m ²	3.2 3.4 6.3 6.8 16 17
1500 m ²	4.5 4.8 9.0 9.6 23 24
2000 m ²	5.9 6.2 12 12 29 31

Factors of other lamp configurations
 1x250W 1.9
 Maintenance factor 0.8 Rh = Lh + 0.5 m



NJ600 reflector luminaire for suspended mounting | with aluminium reflector | narrow or wide distribution

NJ600 reflector luminaire for suspended mounting | with aluminium soft reflector, optionally narrow or wide distribution | with ECG or LLCG, parallel p.f. correction | housing of diecast aluminium, Siteco® metallic grey (DB 702S)

Protection rating: IP20, (IP65 with cover panel | IP40 with ball protection)

Insulation class: I

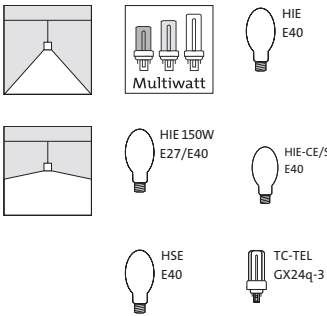
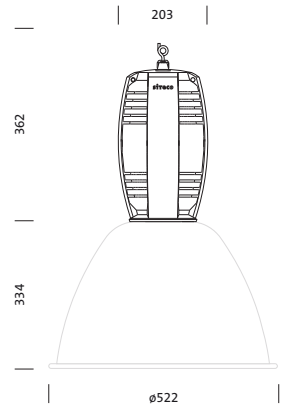
Protection symbol: F

Ballproof luminaire, suitable for tennis and squash courts*

(incl. pre-assembled connection cable, L = 0.9m)

* protection against flying balls is only guaranteed with correct installation and use of cover panel with ball protection

Luminaires with aluminium reflector operated without cover panel (of toughened safety glass) are always classified as 'open luminaires' With use of 'HIE lamps ≥ 250W', these lamps must be 'approved for open luminaires' (specification of lamp manufacturer)



Lamps	Socket	AT min. / max.	Wt. (kg)	ECG Multiwatt Order No.
luminaire upper part				
3x TC-TEL 26/32W	GX24q-3	0°C..+35°C	5.7	5NJ60073MN

Lamps	Socket	AT min. / max.	Wt. (kg)	Order No.	ECG(1..10V)	LLCG w. th. prot., p.f. CORR.
luminaire upper part						
1x HIE HSE 150W	E40	-25..+55°C	7.8	5NJ60031DN		
1x HIE HSE 250W	E40	-25..+45°C	9.5	5NJ60031EN		
1x HIE HSE 400W	E40	-25..+50°C(HIE) / 35°C(HSE)	10.9	5NJ60031FN		
1x HIE-CE/S 150W	E40	≤ +25°C	6.6	5NJ60061DN		

- please order aluminium reflector and upper part individually
- please order cover panel or ball protection for cover panel separately
- for HIE 150W lamps, a E40/E27 socket adapter is additionally required depending upon lamp manufacturer (please order socket adapter separately if required)

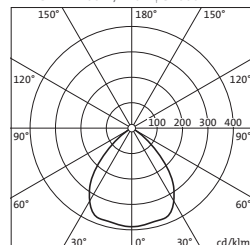
Mandatory accessories

Article	Wt. (kg)	Order No.
reflector, aluminium, Alu-Soft, narrow distribution, ø 522 mm	1.1	5NJ332000
reflector, aluminium, Alu-Soft, wide distribution, ø 522 mm	1.1	5NJ331000

Accessories (for details see page 8.25)

Article	PU	Wt. (kg)	Order No.
cover glass, toughened safety glass, flat, transparent, ø 522 mm, ≤ +50°C		2.6	5NJ300000
Ball protection	set of 3	0.1	5NJ30000XB
socket adapter E40/E27		0.1	5NA59000XF

5NJ60031FN + 5NJ331000 + 5NJ300000
1 x HSE-MF 400W/220 ø 54000 lm



η_{LB} 67.4%
I_{max} 388 cd/klm at γ 0°
Luminance values (cd/m²)
C 0/180
L₈₀ 998
L₇₀ 3018
L₆₅ 5512
α_{50%} 2 x 43.0°
α_{10%} 2 x 56.6°
UGR 23.3 23.3

H(m)	ø(m)	E _{max} (lx)	E _m (lx)	No. of luminaires in room
4	7.46	1308	850	Reflection factors 70/50/20 Em(lx) 100 200 500
5	9.33	837	544	Lh(m) 7.5 9.5 7.5 9.5 7.5 9.5
6	11.19	582	378	200 m² 0.9 1.0 1.8 2.0 4.4 5.0
7	13.06	427	277	300 m² 1.2 1.4 2.5 2.7 6.1 6.8
8	14.92	327	212	500 m² 1.9 2.1 3.8 4.1 9.5 10
				750 m² 2.7 2.9 5.4 5.8 14 14
				1000 m² 3.5 3.7 7.0 7.4 18 19
				1500 m² 5.1 5.3 10 11 26 27
				2000 m² 6.7 6.9 13 14 33 35
				Factors of other lamp configurations
				1x150W 3.0 1x250W 1.6
				Maintenance factor 0.8 Rh = Lh + 0.5 m



NJ600 reflector luminaire for suspended mounting | with aluminium faceted reflector | wide distribution

NJ600 reflector luminaire for suspended mounting | with aluminium soft faceted reflector, wide distribution | with ECG or LLCG, parallel p.f. correction | housing of diecast aluminium, Siteco® metallic grey (DB 702S)

Protection rating: IP20, (IP65 with cover panel | IP40 with ball protection)

Insulation class: I

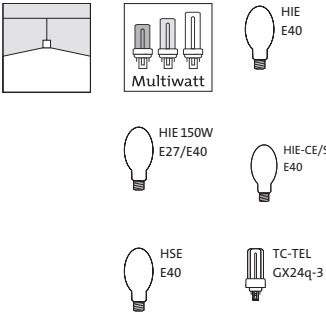
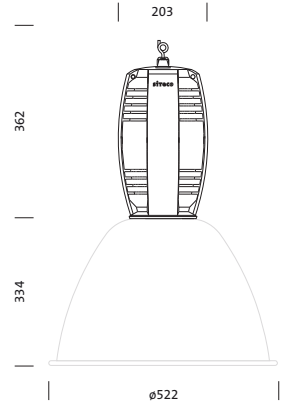
Protection symbol: F

Ballproof luminaire, suitable for tennis and squash courts*

(incl. pre-assembled connection cable, L = 0.9m)

* protection against flying balls is only guaranteed with correct installation and use of cover panel with ball protection

Luminaires with aluminium reflector operated without cover panel (of toughened safety glass) are always classified as 'open luminaires' With use of 'HIE lamps ≥ 250W', these lamps must be 'approved for open luminaires' (specification of lamp manufacturer)



Lamps	Socket	AT min. / max.	Wt. (kg)	ECG Multiwatt Order No.
luminaire upper part				
3x TC-TEL 26/32W	GX24q-3	0°C..+35°C	5.7	5NJ60073MN

Lamps	Socket	AT min. / max.	Wt. (kg)	Order No.	ECG(1..10V)	LLCG w th. prot., p.f. CORR.
luminaire upper part						
1x HIE HSE 150W	E40	-25..+55°C	7.8	5NJ60031DN		
1x HIE HSE 250W	E40	-25..+45°C	9.5	5NJ60031EN		
1x HIE HSE 400W	E40	-25..+50°C(HIE) / 35°C(HSE)	10.9	5NJ60031FN		
1x HIE-CE/S 150W	E40	≤ +25°C	6.6	5NJ60061DN		

- please order aluminium reflector and upper part individually
- please order cover panel or ball protection for cover panel separately
- for HIE 150W lamps, a E40/E27 socket adapter is additionally required depending upon lamp manufacturer (please order socket adapter separately if required)

Mandatory accessories

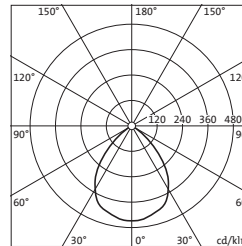
Article	Wt. (kg)	Order No.
reflector, aluminium, Alu-Soft, faceted, wide distribution, ø 522 mm	1.1	5NJ333000

Accessories (for details see page 8.25)

Article	PU	Wt. (kg)	Order No.
cover glass, toughened safety glass, flat, transparent, ø 522 mm, ≤ +50°C		2.6	5NJ300000
Ball protection	set of 3	0.1	5NJ30000XB
socket adapter E40/E27		0.1	5NA59000XF

5NJ60031FN + 5NJ333000 + 5NJ300000

1 x HSE-MF 400W/220 ø 54000 lm



η_{ls} 70.6%
 I_{max} 448 cd/klm at γ 0°
Luminance values (cd/m²)
 C 0/180
 L₈₀ 17
 L₇₀ 490
 L₆₅ 3473
 α_{50%} 2 x 41.1°
 α_{10%} 2 x 55.7°
 UGR 23.2 23.2
 X 4H Y 8H ρ 70/50/20 S 0.25H

H(m)	ø(m)	E _{max} (lx)	Em(lx)
4	6.98	1512	979
5	8.72	968	627
6	10.47	672	435
7	12.21	494	320
8	13.96	378	245

No. of luminaires in room						
Reflection factors 70/50/20						
Em(lx)	100	200	500			
Lh(m)	7.5	9.5	7.5	9.5	7.5	9.5
200 m ²	0.8	0.9	1.7	1.9	4.2	4.7
300 m ²	1.2	1.3	2.3	2.6	5.8	6.4
500 m ²	1.8	1.9	3.6	3.9	9.0	9.7
750 m ²	2.6	2.7	5.2	5.5	13	14
1000 m ²	3.3	3.5	6.7	7.1	17	18
1500 m ²	4.9	5.1	9.7	10	24	25
2000 m ²	6.4	6.6	13	13	32	33

Factors of other lamp configurations
 1x150W 3.1 1x250W 1.7
 Maintenance factor 0.8 Rh = Lh + 0.5 m



NJ600 reflector luminaire for suspended mounting | with aluminium reflector | narrow or wide distribution | 1000W

NJ600 reflector luminaire for suspended mounting | with aluminium soft reflector, optionally narrow or wide distribution | for separate gearbox | housing of diecast aluminium, Siteco® metallic grey (DB 702S)

Protection rating: IP20, (IP65 with cover panel) | IP40 with ball protection | gearbox: IP54

Insulation class: I

Protection symbol: F

Ballproof luminaire, suitable for tennis and squash courts*

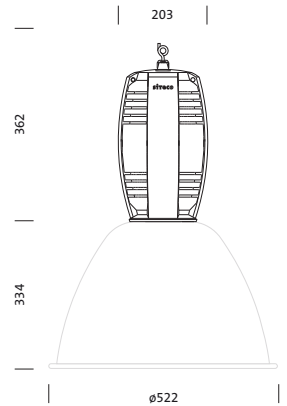
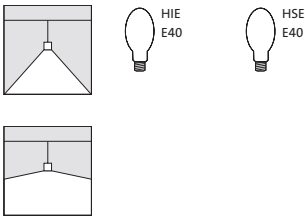
(incl. pre-assembled connection cable, L = 0.9m)

Separate gearbox: with ballast, capacitor and fuse

Through-wiring to luminaire with pre-assembled cable on luminaire side (l=0.9m | can be lengthened on site)

* protection against flying balls is only guaranteed with correct installation and use of cover panel with ball protection

Luminaires with aluminium reflector operated without cover panel (of toughened safety glass) are always classified as 'open luminaires' With use of 'HIE lamps ≥ 250W', these lamps must be 'approved for open luminaires' (specification of lamp manufacturer)



Lamps	Socket	Wt. (kg)	without CG Order No.
luminaire upper part			
1x HIE HSE 1000W	E40	6.0	5NJ60031AN
ballast unit			
1x HI . 1000W		15.5	5NA77921VR0
1x HS . 1000W		15.6	5NA77921VR11

- please order aluminium reflector, upper part and gearbox individually
- please order cover panel or ball protection for cover panel separately

Mandatory accessories

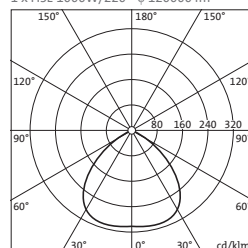
Article	Wt. (kg)	Order No.
reflector, aluminium, Alu-Soft, narrow distribution, ø 522 mm	1.1	5NJ332000
reflector, aluminium, Alu-Soft, wide distribution, ø 522 mm	1.1	5NJ331000

Accessories (for details see page 8.25)

Article	PU	Wt. (kg)	Order No.
cover glass, toughened safety glass, flat, transparent, ø 522 mm		2.9	5NJ30000T
Ball protection	set of 3	0.1	5NJ30000XB

5NJ60031AN + 5NJ331000 + 5NJ30000T

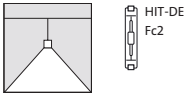
1 x HSE 1000W/220 ø 120000 lm



H(m)	ø(m)	Emax(lx)	Em(lx)	No. of luminaires in room
6	13.80	1007	607	Reflection factors 70/50/20
8	18.41	566	342	Em(lx) 100 200 500
10	23.01	362	219	Lh(m) 9.5 13.5 9.5 13.5 9.5 13.5
12	27.61	252	152	200 m ² 0.5 0.6 1.0 1.3 2.4 3.2
14	32.21	185	112	300 m ² 0.6 0.8 1.3 1.6 3.2 4.1
				500 m ² 1.0 1.1 1.9 2.3 4.8 5.7
				750 m ² 1.3 1.5 2.7 3.1 6.6 7.7
				1000 m ² 1.7 1.9 3.4 3.9 8.5 9.6
				1500 m ² 2.4 2.7 4.8 5.4 12 13
				2000 m ² 3.1 3.4 6.3 6.8 16 17

Maintenance factor 0.8 Rh = Lh + 0.5 m



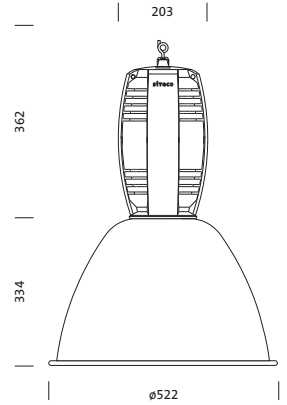


NJ600 reflector luminaire for suspended mounting | with aluminium reflector | wide distribution | with hot re-ignition

NJ600 reflector luminaire for suspended mounting | with aluminium soft reflector, wide distribution, with frosted cover panel | with LLCG, parallel p.f. correction, with electronic hot re-ignition | housing of diecast aluminium, Siteco® metallic grey (DB 702S); cover panel of toughened safety glass (ESG)

Protection rating: IP65 (with cover panel)
 Insulation class: I
 Protection symbol: F
 (complete luminaire: including upper part, aluminium reflector and cover panel)
 (incl. pre-assembled connection cable, L = 0.9m)

electronic hot re-ignition:
 - hot re-ignition with electronic function and lamp monitoring
 - safety load disconnection with relamping
 (all components integrated in luminaire housing)

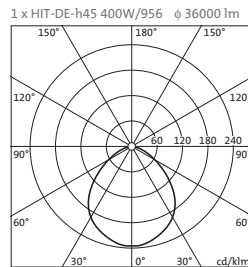


LLCG, p.f. corr.

Lamps	Socket	Wt. (kg)	Order No.
luminaire upper part, with reflector, with cover glass			
1x HIT-DE 250W	Fc2	11.4	5NJ63731KNH
1x HIT-DE 400W	Fc2	18.0	5NJ63731LNH

- complete luminaire: including upper part, aluminium reflector (5NJ331000) and cover panel (5NJ337000)

5NJ63731LNH



H(m)	ϕ (m)	$E_{max}(lx)$
4	8.98	528
5	11.22	338
6	13.47	235
7	15.71	173
8	17.96	132

$E_m(lx)$	No. of luminaires in room					
	Reflection factors 70/50/20					
$E_m(lx)$	100	200	500			
Lh(m)	7.5	9.5	7.5	9.5	7.5	9.5
200 m ²	1.9	2.2	3.7	4.4	9.3	11
300 m ²	2.5	2.9	5.1	5.8	13	14
500 m ²	3.8	4.3	7.7	8.5	19	21
750 m ²	5.4	5.9	11	12	27	29
1000 m ²	7.0	7.5	14	15	35	37
1500 m ²	10	11	20	21	50	53
2000 m ²	13	14	26	27	65	68

Factors of other lamp configurations
 1x250W 1.8
 Maintenance factor 0.8 Rh = Lh + 0.5 m





NJ600 reflector luminaire for suspended mounting | with Lexalite® prismatic reflector or aluminium reflector | with ignition timer



NJ600 reflector luminaire for suspended mounting | with Lexalite® prismatic reflector, translucent, wide distribution with decorative ceiling illumination; aluminium soft reflector, narrow or wide distribution, or aluminium soft faceted reflector, wide distribution | with LLCG, with parallel p.f. correction and electronic ignition timer | housing of diecast aluminium, Siteco® metallic grey (DB 702S); prismatic reflector of PMMA

Protection rating: IP20, (IP20 with prismatic lens | IP65 with aluminium reflector with cover panel)

Insulation class: I

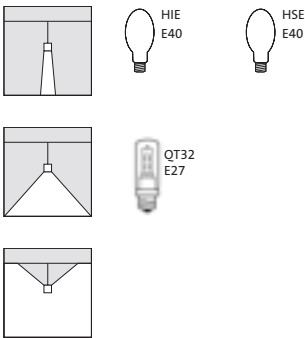
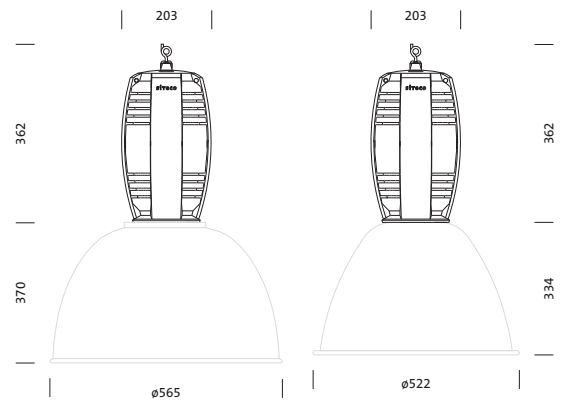
Protection symbol: F

(incl. pre-assembled connection cable, L = 0.9m)

Luminaires with aluminium reflector operated without cover panel (of toughened safety glass) are always classified as 'open luminaires'
Luminaires with prismatic reflector are always classified as 'open luminaires' (even when operated with prismatic lenses)
With use of 'HIE lamps ≥ 250W', these lamps must be 'approved for open luminaires' (specification of lamp manufacturer)

electronic ignition timer:

- the dark phase during cooling down and ignition of the high-pressure lamp after mains failure or when switching on is bridged with a high voltage tungsten halogen lamp
- safety load disconnection with relamping



LLCG w. th. prot., p.f. corr.

Lamps	Socket	Lamps 2	Socket 2	Wt. (kg)	Order No.
1x HIE HSE 250W	E40	1x QT32 max. 150W	E27	9.8	5NJ60031ENT
1x HIE HSE 400W	E40	1x QT32 max. 150W	E27	12.0	5NJ60031FNT

- combination of Lexalite® prismatic reflector with upper part for HIE/HSE 400W is not permissible
- please order upper part and reflector separately
- please order cover panel or prismatic lens separately
- please order high voltage tungsten halogen lamp QT32 (E27/max. 150W) for ignition timer separately

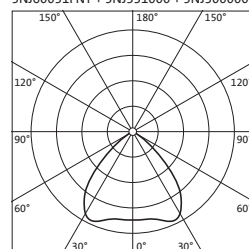
Mandatory accessories

Article	Wt. (kg)	Order No.
reflector, PMMA, transparent prismatic structure, wide distribution, ø 565 mm	2.5	5NJ311000
reflector, aluminium, Alu-Soft, narrow distribution, ø 522 mm	1.1	5NJ332000
reflector, aluminium, Alu-Soft, wide distribution, ø 522 mm	1.1	5NJ331000
reflector, aluminium, Alu-Soft, faceted, wide distribution, ø 522 mm	1.1	5NJ333000

Accessories (for details see page 8.25)

Article	Wt. (kg)	Order No.
flat prismatic lens, PMMA, ø 565 mm	1.4	5NJ14301XC
truncated cone prismatic lens, PMMA, ø 565 mm	1.5	5NJ14301XD
cover glass, toughened safety glass, flat, transparent, ø 522 mm, ≤ +50°C	2.6	5NJ300000

5NJ60031FNT + 5NJ331000 + 5NJ300000





NJ600 reflector luminaire for suspended mounting | with Lexalite® prismatic reflector or aluminium reflector | with E27 emergency lamp socket



NJ600 reflector luminaire for suspended mounting | with Lexalite® prismatic reflector, translucent, wide distribution with decorative ceiling illumination; aluminium soft reflector, narrow or wide distribution, or aluminium soft faceted reflector, wide distribution | with LLCG, parallel p.f. corrected; additionally with E27 emergency lamp socket | housing of diecast aluminium, Siteco® metallic grey (DB 702S); prismatic reflector of PMMA

Protection rating: IP20, (IP20 with prismatic lens | IP65 with aluminium reflector with cover panel)

Insulation class: I

Protection symbol: F

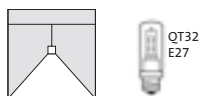
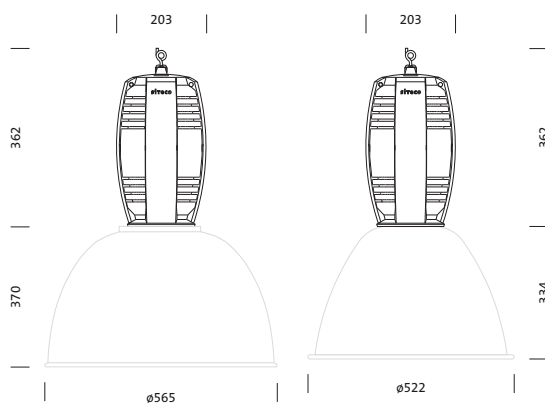
(incl. 2 pre-assembled connection cables, L = 0.9m)

Luminaires with aluminium reflector operated without cover panel (of toughened safety glass) are always classified as 'open luminaires' | Luminaires with prismatic reflector are always classified as 'open luminaires' (even when operated with prismatic lenses) | With use of HIE lamps ≥ 250W, these lamps must be 'approved for open luminaires' (specification of lamp manufacturer)

Electrical

Luminaire wired ready for connection, with 2x 3-pole connection cable (3-pole for normal mains + 3-pole for emergency lamp socket), 1.0mm² | with LLCG, parallel p.f. corrected; additionally with E27 emergency socket

- a separate circuit with on-site energy supply is required for the emergency lamp socket | ON/OFF for emergency lamp socket possible with on-site installation



LLCG w. th. prot., p.f. corr.

Lamps	Socket	Lamps 2	Socket 2	Wt. (kg)	Order No.
luminaire upper part, E27, for emergency light function					
1x HIE HSE 250W	E40	1x QT32 max. 150W	E27	9.8	5NJ60031EN03
1x HIE HSE 400W	E40	1x QT32 max. 150W	E27	11.2	5NJ60031FN03

- combination of Lexalite® prismatic reflector with upper part for HIE/HSE 400W is not permissible
- please order upper part and reflector separately
- please order cover panel or prismatic lens separately
- please order high voltage tungsten halogen lamp QT32 (E27/max. 150W) for ignition timer separately

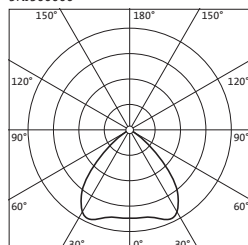
Mandatory accessories

Article	Wt. (kg)	Order No.
reflector, PMMA, transparent prismatic structure, wide distribution, ø 565 mm	2.5	5NJ311000
reflector, aluminium, Alu-Soft, narrow distribution, ø 522 mm	1.1	5NJ332000
reflector, aluminium, Alu-Soft, wide distribution, ø 522 mm	1.1	5NJ331000
reflector, aluminium, Alu-Soft, faceted, wide distribution, ø 522 mm	1.1	5NJ333000

Accessories (for details see page 8.25)

Article	Wt. (kg)	Order No.
flat prismatic lens, PMMA, ø 565 mm	1.4	5NJ14301XC
truncated cone prismatic lens, PMMA, ø 565 mm	1.5	5NJ14301XD
cover glass, toughened safety glass, flat, transparent, ø 522 mm, ≤ +50°C	2.6	5NJ300000

5NJ60031FN03 + 5NJ331000 + 5NJ300000



NJ600 Optical accessories


**prismatic lens for
LexaLite® prismatic reflector**

lens of PMMA; incl. mounting ring,
galvanised steel; with spring catch



Type	D x H (mm)	Order No.
Flat prismatic lens	565 x 54	5NJ14301XC
Conical prismatic lens	565 x 77	5NJ14301XD

– luminaire with prismatic lens: IP20 protection rating

NJ600 Housing accessories


Cover panel for aluminium reflector

Cover panel of toughened safety glass
including sealing ring; V2A snap
catches; retaining cord and sealing for
reflector/housing connection

Type	for lamps/series	D x H (mm)	Order No.
cover panel, transparent	to max. 400W	522 x 12	5NJ300000
cover panel, transparent	1000W ¹⁾	522 x 12	5NJ30000T
cover panel, frosted	5NJ63731 . . H	522 x 12	<input type="checkbox"/> 5NJ337000

– Luminaire with cover panel: IP65 protection rating

1) Cover panel for 1000W: not silicon-free


Ball protection for cover panel

for securing of snap catches to prevent
unintentional opening with jolting |
protection against flying balls is only
guaranteed with installation by
qualified personnel and with use of
cover glass with ball protection.

Type	PU	Order No.
Ball protection	set of 3	5NJ30000XB

– 3 pieces required per cover panel

– Luminaire with cover panel and ball protection: IP40 protection rating

NJ600 Electrical accessories



Ballast unit for 1000W version for
installation to wall or in switch cabinet
| compact unit with ballast, power-
factor corrected | without fuse | with
9-pole connection terminal, max 6mm²
| cable entry for cables D= 8...13.5mm |
capsuled casting resin, black | base
plate with 2 fixing points (fixing
distance: l)
protection rating: IP65 | insulation
class: I

Type	L X W x H (mm)	l (mm)	Wt. (kg)	Order No.
Ballast unit				
for HIE 1000W	524 x 115 x 95	495	15.5	<input type="checkbox"/> 5NA77921VR0
for HSE 1000W	524 x 115 x 95	495	15.5	<input type="checkbox"/> 5NA77921VR11

– required cable diameter with max. distance to luminaire

Ø = 2.5mm² with L < 50m

Ø = 4.0mm² with L < 80m

Ø = 6.0mm² with L < 120m


Socket adapter

for using HIE/HSE 150W lamps with
E27 base in luminaires with E40 base

Type	Order No.
E27/E40 socket adapter	5NA59000XF

NJ600 Mounting accessories


Chain, galvanised

inner link size 7 x 40mm
load capacity: 56kg

Type	Order No.
Chain galvanised	5LY9005

– Chain: per metre

– please order the required number of quick-release links separately

Quick-release link, galvanised

inner link size 8 x 20mm
load capacity: 50kg

Type	Order No.
Quick-release link galvanised	5LY9113



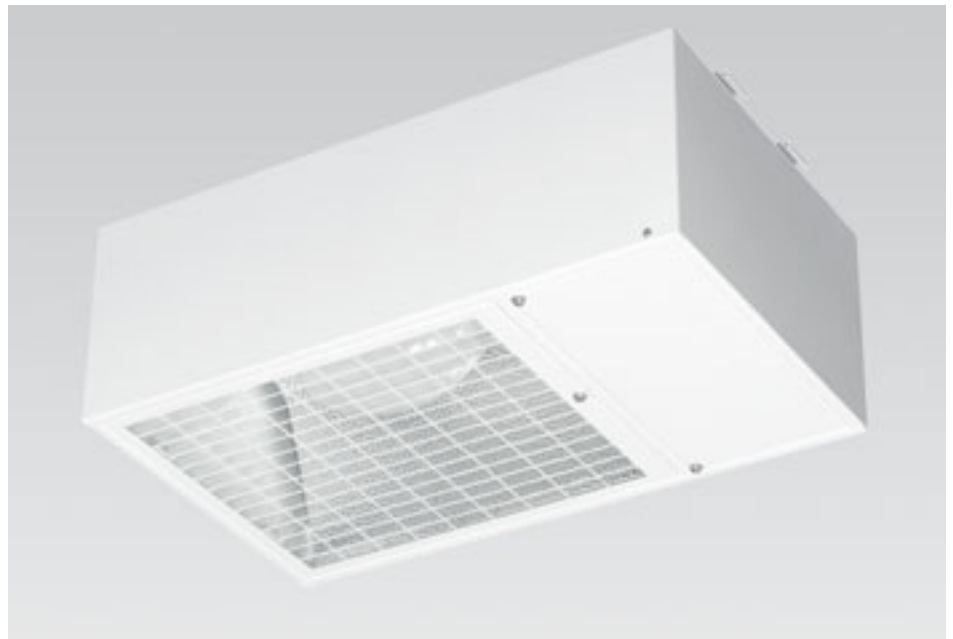
NX700

The compact reflector luminaire of the NX700 family features a robust, high quality construction and high-output lamps. It can be equipped with HST/HIT lamps with 250 W or 400 W and with mounting heights of 6 – 12 m creates a good, uniform distribution of light.

This is ensured by the wide distribution aluminium reflectors. With applications requiring high glare control, variations with inner, ribbed aluminium cross-blade louvres are used. All versions have a cover of temperature-resistant toughened safety glass. The compact reflector luminaire offers several advantages with regard to mounting and maintenance:

it has a separate lamp and control gear compartment and according to version is with a swing-down cover and separate mounting plate. The low construction height and the recessed version in addition enable mounting and use in tight spaces. With the version with continuous cover panel and inner louvre, the luminaire is ball-proof and suitable for use in tennis halls and squash courts.

- + suitable for high installations
- + surface-mounted or ceiling recessed version available
- + compact design for lamp configurations to 400 W
- + IP20 / IP65 protection
- + glare control possible with high quality structured cross-blade louvre



Housing

Housing of sheet steel, white stove-enamelled inner and outer | completely separated gear and lamp compartments | temperature-resistant cover of toughened safety glass; can be hinged downwards for relamping | control gear compartment accessible via separate cover from below | mounting of recessed version: recessed frame; mounting of recessed version via recessing frame; mounting of surface-mounted version to mounting angles or separate, easily installed mounting plate

Electrics

Luminaire wired ready for connection | with 3-pole terminal, max. 2.5mm², in mounting plate or in control gear compartment | version with mounting plate: with plug-in coupling for connection between luminaire and mounting plate | with LLCG, parallel p.f. correction | double cable entry for through-wiring to next luminaire

Lighting technology

Aluminium structured reflector, highly specular, extremely wide distribution





compact reflector luminaire for ceiling surface mounting | IP20 | luminaire with mounting plate | with protective grid

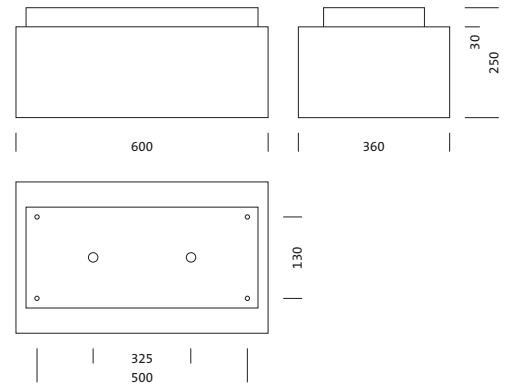
Compact reflector luminaire for ceiling surface mounting | with structured aluminium reflector, wide distribution, with transparent cover panel | with LLCCG, parallel p.f. corrected | housing of sheet steel, pure white (similar to RAL 9010); cover panel of toughened safety glass (ESG)

Protection rating: IP20

Insulation class: I

Housing with separate mounting plate | electrical connection upon mounting plate

IP 20

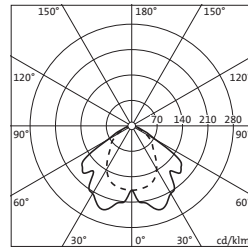


Lamps	Socket	Wt. (kg)	LLCCG, p.f. corr. Order No.
with mounting plate			
1x HIT HST 250W	E40	15.7	5NX76121N
1x HIT HST 400W	E40	18.0	5NX76121V

5NX76121N

1 x HST 250W/220 ϕ 33000 lm

η_{LB} 55.3%
 l_{max} 246 cd/klm at γ 20°



Luminance values (cd/m²)

	C 0/180	C 90/270
L ₈₀	20777	14824
L ₇₀	23370	17822
L ₆₅	34093	22415

$\alpha_{50\%}$ 2 x 57.3° 2 x 42.6°
 $\alpha_{10\%}$ 2 x 71.0° 2 x 71.9°

UGR 28.6 26.2
X 4H Y 8H p 70/50/20 S 0.25H

No. of luminaires in room

Reflection factors 70/50/20

Em (lx)	100	200	500
Lh (m)	5.5	7.5	5.5
200 m ²	1.7	2.0	3.4
300 m ²	2.4	2.8	4.8
500 m ²	3.7	4.2	7.5
750 m ²	5.4	5.9	11
1000 m ²	7.0	7.5	14
1500 m ²	10	11	21
2000 m ²	13	14	27

Factors of other lamp configurations

1x400W 0.6

Maintenance factor 0.8 Rh = Lh + 0.5 m





compact reflector luminaire for ceiling surface mounting | IP65 | luminaire with mounting brackets | with cross-blade louvre

Compact reflector luminaire for ceiling surface mounting | with structured aluminium reflector, extremely wide distribution; with inner ribbed cross-blade aluminium louvre; with transparent cover panel | with LLCG, parallel p.f. corrected | housing of sheet steel, pure white (similar to RAL 9010); cover panel of toughened safety glass (ESG)

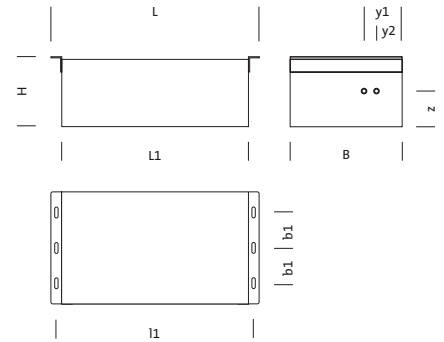


Protection rating: IP65
Insulation class: I

Ballproof luminaire, suitable for tennis and squash courts*

Housing with mounting brackets at face ends

* protection against flying balls is only guaranteed with installation by qualified personnel



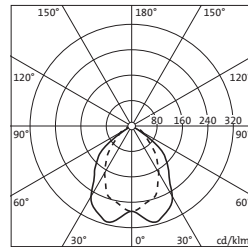
	L	L1	B	H	l1	b1	y1	y2	z
5NX766	616	552	300	154	590	100	125	85	100
5NX767	634	574	364	153	605	130	145	110	102

Lamps	Socket	L x B x H (mm)	Wt. (kg)	LLCG, p.f. corr. Order No.
with mounting bracket				
1x HIT HST 250W	E40	616 x 300 x 154mm	11.9	5NX76620N
1x HIT HST 250W	E40	634 x 364 x 153mm	13.4	5NX76721N
1x HIT HST 400W	E40	634 x 364 x 153mm	15.4	5NX76721V

5NX76721N

1 x HST 250W/220 ϕ 33000 lm

η_{LB} 51.1%
 l_{max} 311 cd/klm at $\gamma 15^\circ$



Luminance values (cd/m²)

	C 0/180	C 90/270
L80	1453	9765
L70	4204	18270
L65	6038	21282

$\alpha_{50\%}$	2 x 44.6°	2 x 36.5°
$\alpha_{10\%}$	2 x 58.7°	2 x 67.0°

UGR 24.3 24.9
X 4H Y 8H ρ 70/50/20 S 0.25H

No. of luminaires in room

Reflection factors 70/50/20

Em(lx)	100	200	500
Lh(m)	5.5	7.5	5.5
200 m ²	1.7	2.0	3.5
300 m ²	2.5	2.8	4.9
500 m ²	3.9	4.2	7.8
750 m ²	5.6	6.0	11
1000 m ²	7.3	7.8	15
1500 m ²	11	11	21
2000 m ²	14	15	28

Factors of other lamp configurations

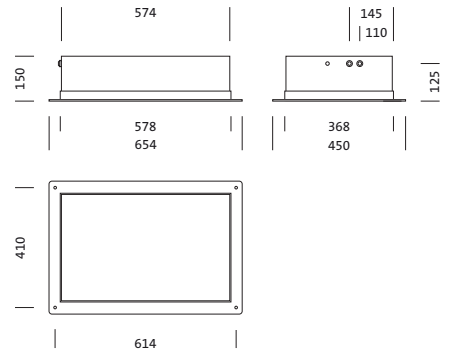
1x400W 0.6
Maintenance factor 0.8 Rh = Lh + 0.5 m





compact reflector luminaire for ceiling recessed mounting | IP65 | luminaire with mounting fringe | with cross-blade louvre

Compact reflector luminaire for ceiling recessed mounting | with structured aluminium reflector, extremely wide distribution; with inner ribbed cross-blade aluminium louvre; with transparent cover panel | with LLCG, parallel p.f. corrected | housing of sheet steel, pure white (similar to RAL 9010); cover panel of toughened safety glass (ESG)



Protection rating: IP65
Insulation class: I

Ballproof luminaire, suitable for tennis and squash courts*

Housing with all-round mounting flange

* protection against flying balls is only guaranteed with installation by qualified personnel

IP 65

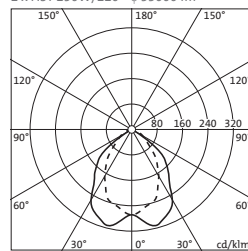
LLCG, p.f. corr.

Lamps	Socket	Wt. (kg)	Order No.
1x HIT HST 250W	E40	14.7	5NX76821N

with mounting frame

5NX76821N

1 x HST 250W/220 ϕ 33000 lm



η_{L8} 51.1%
 I_{max} 311 cd/klm at $\gamma 15^\circ$

Luminescence values (cd/m²)

	C 0/180	C 90/270
L ₈₀	1453	9765
L ₇₀	4204	18270
L ₆₅	6038	21282

$\alpha_{50\%}$ 2 x 44.6° 2 x 36.5°
 $\alpha_{10\%}$ 2 x 58.7° 2 x 67.0°

UGR 24.3 24.9
X 4H Y 8H p 70/50/20 S 0.25H

No. of luminaires in room

Reflection factors 70/50/20

Em(lx)	100	200	500
Lh(m)	5.5	7.5	5.5
200 m ²	1.7	2.0	3.5
300 m ²	2.5	2.8	4.9
500 m ²	3.9	4.2	7.8
750 m ²	5.6	6.0	11
1000 m ²	7.3	7.8	15
1500 m ²	11	11	21
2000 m ²	14	15	28

Maintenance factor 0.8 Rh = Lh + 0.5 m

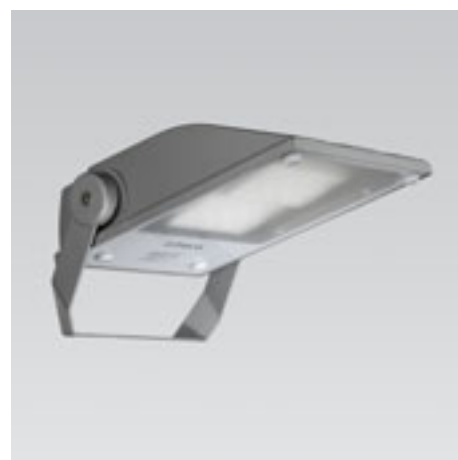


SiCOMPACT® A2 LED

The floodlights of the SiCOMPACT® A2 family feature a modern design. The wide distribution versions of the SiCOMPACT® A2 ... LED family are available in the two construction sizes MINI and MIDI. Oval flood lenses combined with a structured cover panel ensure efficient light distribution.

The luminaire with mounting bracket can be precisely adjusted in 5° steps for exact illumination of the application area. Integral twist protection permanently fixes the luminaire. With a high IP66 protection rating the luminaire is ideal for lighting both indoor and outdoor areas. The version with a wall adapter has a design variant as either uplight or downlight.

- + flexible luminaire system and uniform design with various construction sizes, various light sources and various wattages
- + versions with mounting bracket or for wall mounting enable diverse installation possibilities
- + version with mounting bracket: adjustment in 5 degree steps with integrated twist protection
- + no light spill: light immission = 0% with horizontal mounting
- + flat luminaire cover of safety glass with all-round silicone sealing; IP66 protection
- + pressure equalisation system with air-permeable membrane for condensation avoidance in the housing



Housing

Housing of diecast aluminium; with side mounting bracket or rear housing connection for wall adapter; mounting bracket and wall adapter of galvanised steel; all parts coated in Siteco® metallic grey (DB 7025) | all-round silicon gasket in housing profile | cover of flat, temperature-resistant, toughened safety glass | mounting bracket with adjustment feature for floodlight, adjustment in 5° increments, with twist protection | pressure equalisation system with air-permeable membrane for condensation avoidance in housing | insulation: II (... MINI LED) or I (... MIDI LED) | protection rating: IP66

Electrics

Luminaire wired ready for connection | with 3-pole connection terminal, max. 2.5mm² (2-pole for mains supply + 1-pole for 230V control voltage for power reduction); SiCOMPACT® A2 MIDI LED additionally with 1-pole terminal for PE | cable entry for cables D= 6...12mm | microprocessor-controlled LED operating electronics with temperature monitoring for protection of LEDs from thermal overload | with power reduction via 230V control voltage |

control signal:

USt= 230V = 230V → 100% luminous flux;
USt= 0V → approx. 50% luminous flux

Lighting technology

Wide light distribution | excellent glare limitation and very high uniformity with minimised stray light immission via LED with oval attachment lens and additional light control via structured flat cover panel | no light spill to upper hemisphere (light immission = 0%) with horizontal alignment of light emission surface

Recommended applications

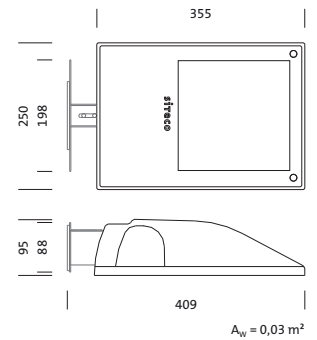
- hall lighting (without luminaires on ceiling)
- arcade lighting
- as uplight for indirect lighting
- facade lighting
- localised lighting
- security lighting for industrial facilities





SiCOMPACT® A2 MINI LED | wide distribution | for wall adapter

SiCOMPACT® A2 MINI LED luminaire for wall mounting via wall adapter | with white LED with lens, asymmetric wide distribution; with flat, structured cover | microprocessor-controlled LED operating electronics* | housing with rear fixing of diecast aluminium, Siteco® metallic grey (DB 702S); cover of toughened safety glass (ESG)

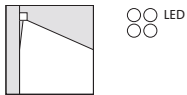


Protection rating: IP66

Insulation class: II

Can also be used as uplight for indoor applications

* with temperature monitoring for protection of LEDs from thermal overload | with power reduction via 230V control voltage



IP 66

Lamps	Wt. (kg)	diffuse Order No.
with ECG		
2x LED module nw	1.8	5XA7577LNA208

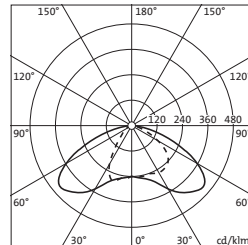
- please order wall adapter separately

Mandatory accessories (for details see page 8.33)

Article	Wt. (kg)	Order No.
wall arm	0.8	5NY75701XW2108

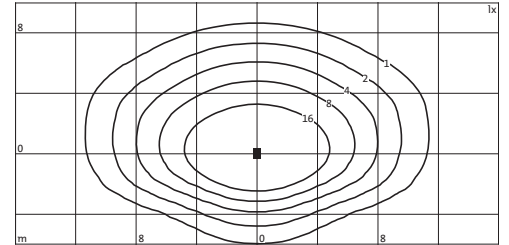
5XA7577LNA208

1 x LED nw ϕ N 2182 lm



— C 0/180
 - - - - C 90/270
 Luminous intensity class according to EN13201-2: G6

Mounting height 4 m Tilt 0°



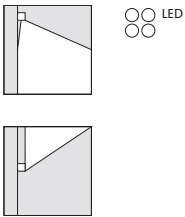
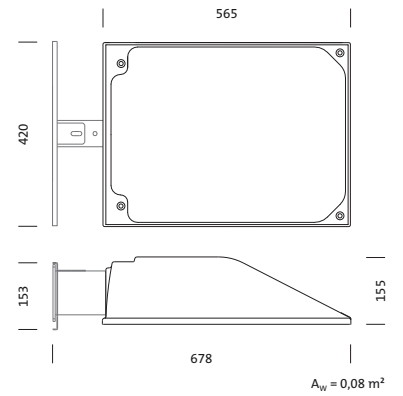


SiCOMPACT® A2 MIDI LED | wide distribution | for wall adapter

SiCOMPACT® A2 MIDI LED luminaire for wall mounting via wall adapter | with white LED with lens, asymmetric wide distribution; with flat, structured cover | microprocessor-controlled LED operating electronics | housing with rear fixing of diecast aluminium, Siteco® metallic grey (DB 702S); cover of toughened safety glass (ESG)

Protection rating: IP66
 Insulation class: I
 Can also be used as uplight for indoor applications

IP 66

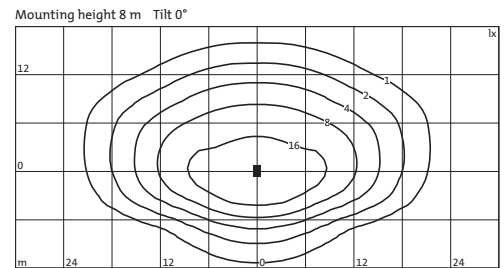
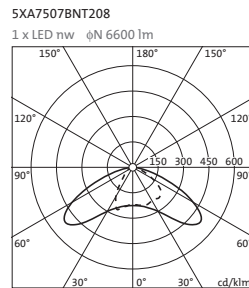


Lamps	Wt. (kg)	diffuse Order No.
3x LED module nw with ECG	11.8	5XA7507BNT208

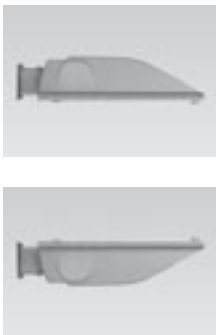
- please order wall adapter separately

Mandatory accessories (for details see below)

Article	Wt. (kg)	Order No.
wall arm	2.3	5NY75801XW21



SiCOMPACT® A2 MINI LED | ... A2 MIDI LED Mounting accessories



Wall adapter
 Wall flange, cover and adapter of steel, galvanised and coated, Siteco® metallic grey (DB 702S) | wall flange via supplementary cover without visible screws

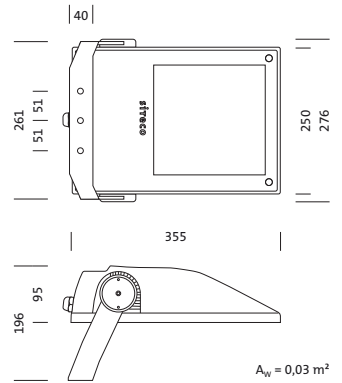
Type	Wt. (kg)	Order No.
Wall adapter for SiCOMPACT® A2 MINI LED	0.8	5NY75701XW2108
for SiCOMPACT® A2 MIDI LED	0.2	5NY75801XW21





SiCOMPACT® A2 MINI LED | wide distribution | with mounting bracket

SiCOMPACT® A2 MINI luminaire with mounting bracket for mounting to walls, ceilings or supporting structure | with white LED with lens, asymmetric wide distribution; with flat, structured cover | microprocessor-controlled LED operating electronics* | housing of diecast aluminium; bracket of galvanised steel; housing and bracket in Siteco® metallic grey (DB 702S); cover of toughened safety glass (ESG)



LED



Protection rating: IP66
 Insulation class: II
 Adjustment range: 0..360° (outdoor installations: 10..350°)

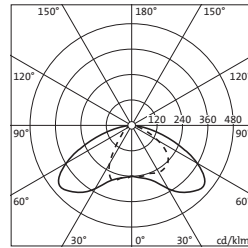
* with temperature monitoring for protection of LEDs from thermal overload | with power reduction via 230V control voltage

IP 66

Lamps	Wt. (kg)	diffuse Order No.
with ECG 2x LED module nw	1.9	5XA7577LNA008

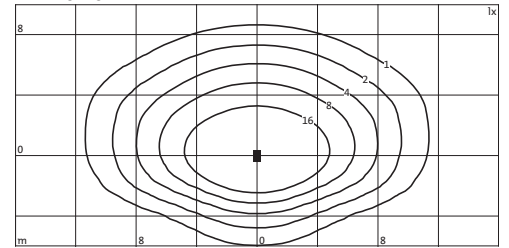
5XA7577LNA008

1 x LED nw ϕ N 2182 lm



— C 0/180
 - - - C 90/270
 Luminous intensity class according to EN13201-2: G6

Mounting height 4 m Tilt 0°



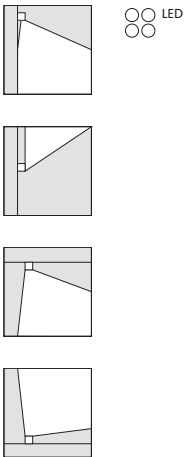
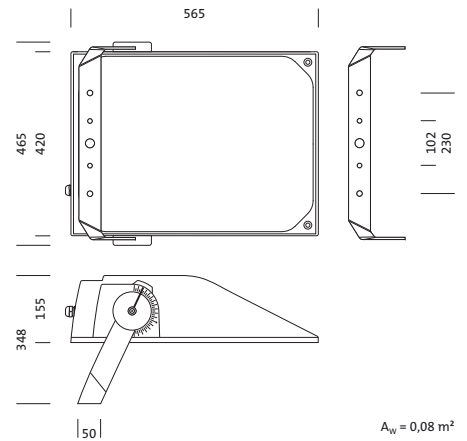


SiCOMPACT® A2 MIDI LED | wide distribution | with mounting bracket

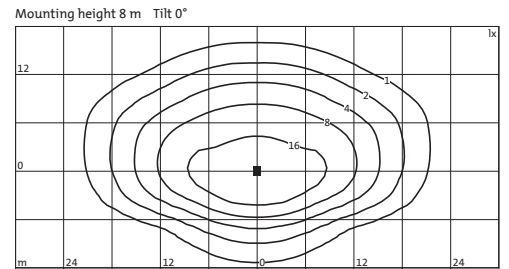
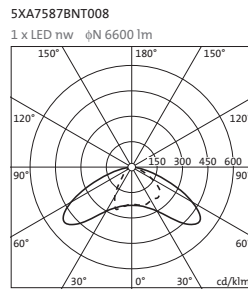
SiCOMPACT® A2 MIDI luminaire with mounting bracket for mounting to walls, ceilings or supporting structure | with white LED with lens, asymmetric wide distribution; with flat, structured cover | microprocessor-controlled LED operating electronics | housing of diecast aluminium; bracket of galvanised steel; housing and bracket in Siteco® metallic grey (DB 702S); cover of toughened safety glass (ESG)

Protection rating: IP66
 Insulation class: I
 Adjustment range: 0..360° (outdoor installations: 10..350°)

IP 66



Lamps	Wt. (kg)	diffuse Order No.
with ECG 3x LED module nw	13.0	5XA7587BNT008



SiCOMPACT® A2 MINI LED | ... A2 MIDI LED Spare parts

Optical enclosure (not shown)

Toughened safety glass | transparent, part-coated; with hinge

Type

Cover panel
 for SiCOMPACT® A2 MINI LED
 for SiCOMPACT® A2 MIDI LED

Order No.

5XA75700XG08
 5XA75800XG08



SiCOMPACT® A2

The floodlights of the SiCOMPACT® A2 family feature a modern design. A highly specular anodised aluminium reflector ensures efficient light distribution with either narrow asymmetric (A2 MINI, A2 MIDI) or wide asymmetric (A2 MIDI) distribution. HIT, HST and QT lamps with varying outputs can be fitted. The floodlights can be precisely adjusted in 5° steps for exact illumination of the application area. Integral twist protection permanently fixes the luminaires.

With its high IP66 protection rating the floodlight is ideal for lighting both indoor and outdoor areas, and the version with mounting bracket is especially suitable for sports halls. The version with a wall adapter has a design variant as either uplight or downlight. The luminaire is equipped with an ignitor for instant hot re-ignition and can therefore be used for areas with high security demands.



Housing

Housing of diecast aluminium; with side mounting bracket or rear housing connection for wall adapter; mounting bracket and wall adapter of galvanised steel; all parts coated in Siteco® metallic grey (DB 7025) | all-round silicon gasket in housing profile | cover of flat, temperature-resistant, toughened safety glass | mounting bracket with adjustment feature for floodlight, adjustment in 5° increments, with twist protection | pressure equalisation system with air-permeable membrane for condensation avoidance in housing | insulation: I | protection rating: IP66

Electrics

Luminaire wired ready for connection | with 3-pole connection terminal, max. 2.5mm² | cable entry for cable D= 6...12mm | according to version with ECG, with LLCG and ignitor, power-factor corrected, or with LLCG and ignitor for instant hot re-ignition; all electrical components integrated in housing (exception: versions for HIT-DE/HST-DE 70W/150W with hot re-ignition and HIT-DE 250W/400W with hot re-ignition → LLCG

in separate housing, with fixed wiring to floodlight, l= approx.1.0m); version for high-voltage tungsten halogen lamp without CG

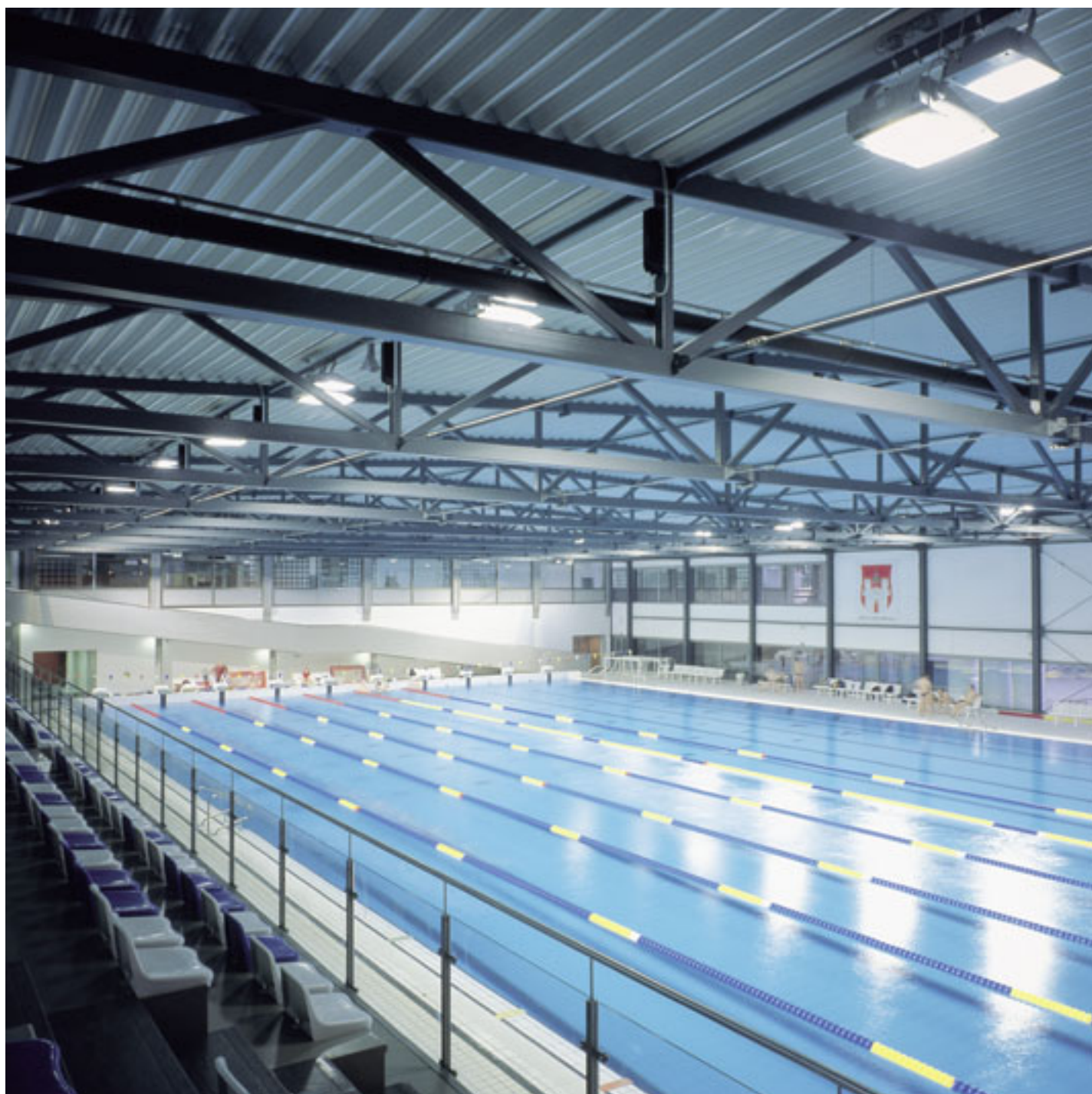
Lighting technology

Asymmetric light distribution, no light spill to upper hemisphere with horizontal alignment of light emission surface (light immission =0%) | versions with mounting bracket for precise adjustment of floodlight and precise limiting of the illuminated area with simple adjustment, adjustment in 5° increments

- SiCOMPACT® A2 MINI with wide characteristic
- SiCOMPACT® A2 MIDI with narrow or wide characteristic

Recommended applications

- hall lighting (without luminaires on ceiling)
- arcade lighting
- as uplight for indirect lighting
- spotlighting of sculptures
- facade lighting
- town square lighting



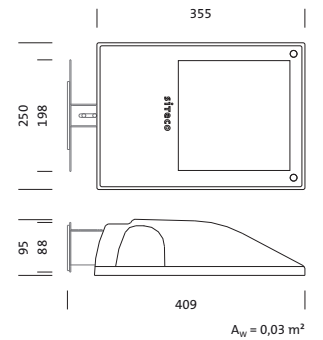
- + flexible luminaire system and uniform design with various construction sizes, various light sources and various wattages
- + versions with mounting bracket or for wall mounting enable diverse installation possibilities
- + version with mounting bracket: adjustment in 5 degree steps with integrated twist protection
- + no light spill: light immission = 0% with horizontal mounting
- + flat luminaire cover of safety glass with all-round silicone sealing; IP66 protection
- + pressure equalisation system with air-permeable membrane for condensation avoidance in the housing





SiCOMPACT® A2 MINI | asymmetric wide | for wall adapter

SiCOMPACT® A2 MINI floodlight for wall mounting via wall adapter | with aluminium reflector, highly specular, asymmetric wide; as uplight or downlight; with transparent cover | with ECG or LLCG, parallel power factor corrected or as version for high voltage tubular halogen lamp (without CG) | housing with rear fixing of diecast aluminium, Siteco® metallic grey (DB 702S); cover of toughened safety glass (ESG)



Protection rating: IP66

Insulation class: I

(can also be used as uplight for indoor applications)



diffuse

Lamps	Socket	Wt. (kg)	Order No.
without CG, without ign.			
1x QT-DE 160/230W	R7s	3.9	5NA75701SS2208H
with integrated CG, with integrated ign. (with automatic power disconnection)			
1x HIT-DE HST-DE 70W	RX7s	5.7	5NA757E1NS2208
1x HIT-DE HST-DE 150W	RX7s-24	6.2	5NA757E1PS2208
1x HST 70W	E27	5.6	5NA757E1NS2108

with ECG Multiwatt

1x TC-TEL 26/32/42W	GX24q-3/-4	4.3	5LA75771TS2108
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with ECG

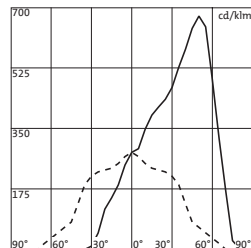
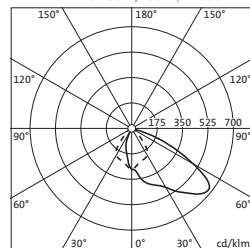
1x HIT-DE 70W	RX7s	4.3	5NA75771NS2208
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- please order wall adapter separately

Mandatory accessories (for details see page 8.39)

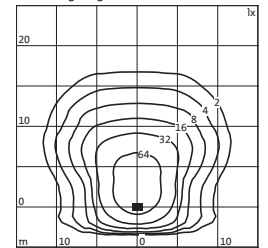
Article	Wt. (kg)	Order No.
wall arm	0.8	5NY75701XW2108

5NA757E1PS2208
1 x HIT-DE-h45 150W/730 ϕ 11700 lm



l_{max} 675 cd/klm at γ 50°
C 0/180 C 90/270

Mounting height 6 m Tilt 0°





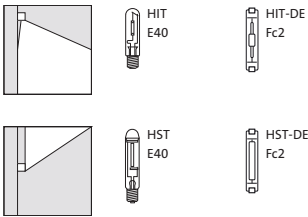
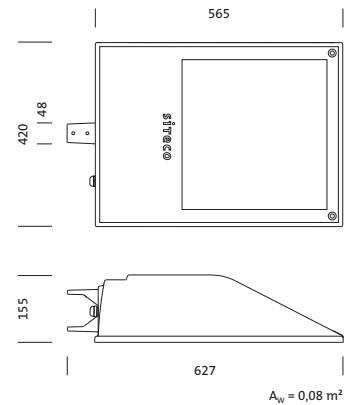
SiCOMPACT® A2 MIDI | asymmetric narrow or wide | for wall adapter

SiCOMPACT® A2 MIDI floodlight for wall mounting via wall adapter | with aluminium reflector, highly specular, asymmetric narrow or wide; as uplight or downlight; with transparent cover | with LLCC, with parallel p.f. correction | housing with rear fixing of diecast aluminium, Siteco® metallic grey (DB 7025); cover of toughened safety glass (ESG)

Protection rating: IP66

Insulation class: I

Can also be used as uplight for indoor applications



Lamps	Socket	Wt. (kg)	narrow Order No.	diffuse Order No.
with integrated CG, with integrated ign. (with automatic power disconnection)				
1x HIT HST 250W	E40	12.9	5NA758E1SB21	5NA758E1SS21
1x HIT HST 400W	E40	17.9	5NA758E1TB21	5NA758E1TS21
1x HIT-DE 250W	Fc2	13.0	5NA758E1RB22	5NA758E1RS22
1x HIT-DE HST-DE 400W	Fc2	16.7	5NA758E1TB22	5NA758E1TS22
1x HST-DE 250W	Fc2	16.0	5NA758E1SB22	5NA758E1SS22

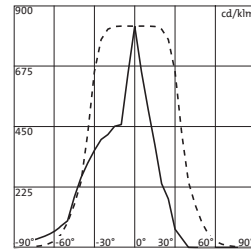
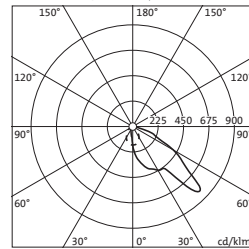
- please order wall adapter separately
 - version for HIT 400W: not suitable for OSRAM HQI-T 400W lamps; approved alternative OSRAM HQI-BT 400W

Mandatory accessories (for details see below)

Article	Wt. (kg)	Order No.
wall arm	2.3	5NY75801XW21

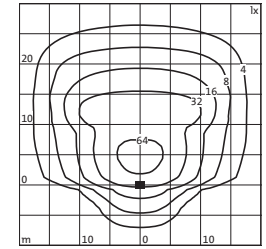
5NA758E1SB21

1 x HST 250W/220 LL ϕ 33200 lm

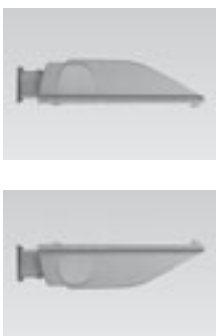


I_{max} 824 cd/klm Tilt 46°
 A 0 (C 0/180) B 0

Mounting height 12 m Tilt 0°



SiCOMPACT® A2 MINI | ... A2 MIDI Mounting accessories



Wall adapter

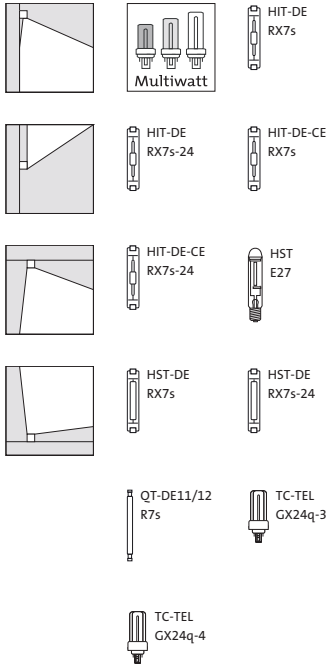
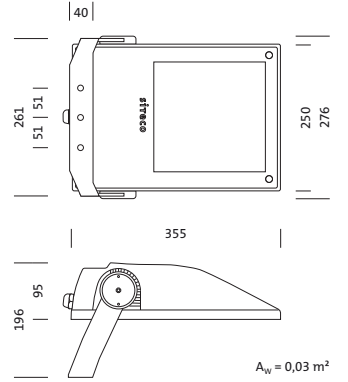
Wall flange, cover and adapter of steel, galvanised and coated, Siteco® metallic grey (DB 7025) | wall flange via supplementary cover without visible screws

Type	Wt. (kg)	Order No.
Wall adapter for SiCOMPACT® A2 MINI	0.8	5NY75701XW2108
Wall adapter for SiCOMPACT® A2 MIDI	0.2	5NY75801XW21



SiCOMPACT® A2 MINI | asymmetric wide | with mounting bracket

SiCOMPACT® A2 MINI floodlight with mounting bracket for mounting to walls, ceilings or supporting structure | with aluminium reflector, highly specular, asymmetric wide; with transparent cover | with ECG or LLCG, parallel power factor corrected or as version for high voltage tubular halogen lamp (without CG); version for high pressure lamp optionally with instant hot re-ignition** | housing of diecast aluminium; bracket of galvanised steel; housing and bracket in Siteco® metallic grey (DB 702S); cover of toughened safety glass (ESG)



Protection rating: IP66
 Insulation class: I
 Adjustment range: 0..360° (outdoor installations: 10..350°)

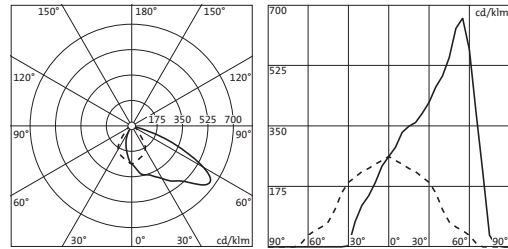
Ballproof luminaire, suitable for tennis courts*

* protection against flying balls is only guaranteed with installation by qualified personnel and with use of stipulated accessories.
 ** version with hot re-ignition incl. separate ballast block, factory prewired (cable l=1m)

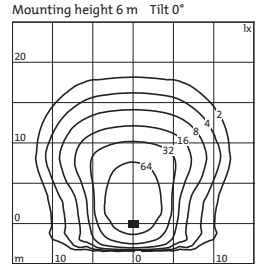


Lamps	Socket	Wt. (kg)	diffuse Order No.
without CG, without ign.			
1x QT-DE 160/230W	R7s	4.4	5NA75701SS0208H
with CG, with integrated ign. (with hot re-ignition)			
1x HIT-DE-CE HST-DE 70W	RX7s	9.5	5NA75761NS0208
1x HIT-DE-CE HST-DE 150W	RX7s-24	10.0	5NA75761PS0208
with integrated CG, with integrated ign. (with automatic power disconnection)			
1x HIT-DE HST-DE 70W	RX7s	6.0	5NA757E1NS0208
1x HIT-DE HST-DE 150W	RX7s-24	6.8	5NA757E1PS0208
1x HST 70W	E27	6.3	5NA757E1NS0108
with ECG Multiwatt			
1x TC-TEL 26/32/42W	GX24q-3/-4	4.7	5LA75771TS0108
with ECG			
1x HIT-DE 70W	RX7s	5.0	5NA75771NS0208

5NA757E1PS0208
 1 x HST-DE-MF-h45 150W/220 LL φ
 15000 lm



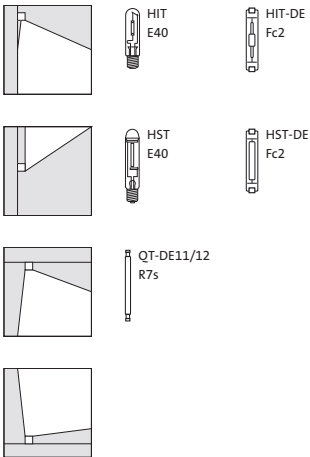
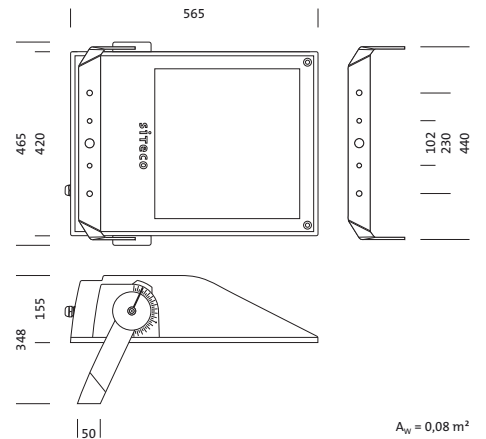
max 662 cd/klm at γ 55°
 — C 0/180
 - - - C 90/270





SiCOMPACT® A2 MIDI | asymmetric narrow or wide | with mounting bracket

SiCOMPACT® A2 MIDI floodlight with mounting bracket for mounting to walls, ceilings or supporting structure | with aluminium reflector, highly specular, asymmetric narrow or wide; with transparent cover | with ECG or LLCG, parallel power factor corrected or as version for high voltage tubular halogen lamp (without CG); version for high pressure lamp optionally with instant hot re-ignition** | housing of diecast aluminium; bracket of galvanised steel; housing and bracket in Siteco® metallic grey (DB 702S); cover of toughened safety glass (ESG)



Protection rating: IP66

Insulation class: I

Adjustment range: 0..360° (outdoor installations: 10..350°)

Ballproof luminaire, suitable for tennis courts*

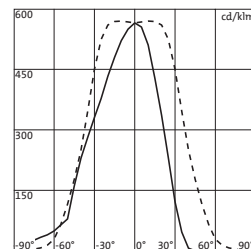
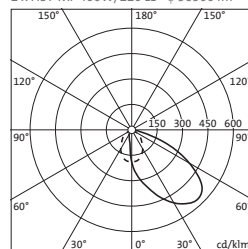
* protection against flying balls is only guaranteed with installation by qualified personnel and with use of stipulated accessories.
** version with hot re-ignition incl. separate ballast block, factory prewired (cable l=1m)



Lamps	Socket	Wt. (kg)	narrow Order No.	diffuse Order No.
without CG, without ign.				
1x QT-DE 1000W	R7s	13.6	5NA75801VB0208H	5NA75801VS0208H
with integrated CG, with integrated ign. (with automatic power disconnection)				
1x HIT HST 250W	E40	18.3	5NA758E1SB0108	5NA758E1SS0108
1x HIT HST 400W	E40	19.9	5NA758E1TB0108	5NA758E1TS0108
1x HIT-DE 250W	Fc2	17.9	5NA758E1RB0208	5NA758E1RS0208
1x HIT-DE HST-DE 400W	Fc2	19.7	5NA758E1TB0208	5NA758E1TS0208
1x HST-DE 250W	Fc2	17.9	5NA758E1SB0208	5NA758E1SS0208
with integrated CG, with integrated ign. (with hot re-ignition)				
1x HST-DE 250W	Fc2	18.3	5NA75861SB0208	5NA75861SS0208
1x HST-DE 400W	Fc2	20.9	5NA75861TB0208	5NA75861TS0208
with separate CG, with integrated ign. (with hot re-ignition)				
1x HIT-DE 250W	Fc2	19.0	5NA75871RB0208	5NA75871RS0208
1x HIT-DE 400W	Fc2	19.5	5NA75871TB0208	5NA75871TS0208

5NA758E1TS0108

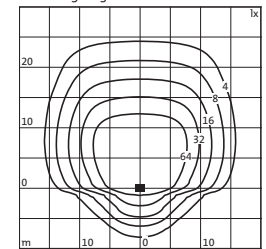
1 x HST-MF 400W/220 LL ϕ 56500 lm



l_{max} 571 cd/klm Tilt 43°

A 0 (C 0/180) B 0

Mounting height 8 m Tilt 0°



SiCOMPACT® A2 MINI | ... A2 MIDI Spare parts

Optical enclosure (not shown)

Toughened safety glass | transparent, part-coated; with hinge

Type

Cover panel
for SiCOMPACT® A2 MINI
for SiCOMPACT® A2 MIDI

Order No.

5NA75700XG08
5NA75800XG08