

81039.000
LED 24W 2280lm 3000K warm white
DALI
Version 4

Product description

Housing: cast aluminium, silver powder-coated. Mounting with 3-point support and screw fixing, for ceiling thicknesses of 1-30mm. Side-mounted control gear: cast aluminium, powder-coated black. DALI control gear. Two cable entries. Through-wiring possible. 5-pole terminal block.

LED module: high-power LEDs on metal-core PCB. SDCM<2. CRI>90. L80/B10 50000h. Reflector for mixing light: aluminium, silver, mirror-finish anodised.

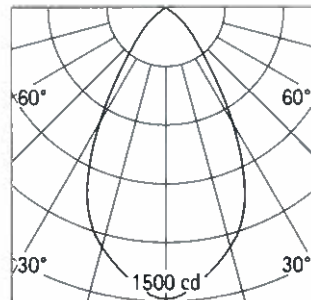
Darklight reflector: aluminium, silver, bright anodised. Cut-off angle 30°. Diffuser: glass, frosted.

Screw-fastened cover ring with safety glass: corrosion-resistant cast aluminium, No-Rinse surface treatment. Silver, double powder-coated.

Protection mode IP65: dust-proof and water jet-proof.

Weight 2.60kg

LMF E



LED 24W 2280lm 3000K warm white

h(m)	E(lx)	D(m)
		57°
1	1488	1.09
2	372	2.17
3	165	3.26
4	93	4.34
5	60	5.43

Planning data

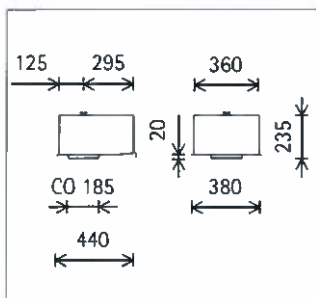
Cleaning (a)	1				2				3			
Ambient conditions												
LMF	0.96	0.94	0.90	0.86	0.93	0.91	0.86	0.81	0.92	0.90	0.84	0.79
	0.96	0.92	0.87	0.81	0.96	0.92	0.87	0.81	0.96	0.92	0.87	0.81
Hours of operation (h)	1000	2000	4000	6000	8000	10000	20000	30000	40000	50000		
	0.99	0.99	0.98	0.97	0.96	0.95	0.92	0.88	0.84	0.81		
	1	1	1	1	1	1	1	1	1	1		

MF	LMFxRSMFxLLMFxLSF
MF	Maintenance Factor
LMF	Luminaire Maintenance Factor
RSMF	Room Surface Maintenance Factor
LLMF	Lamp Lumens Maintenance Factor
LSF	Lamp Survival Factor
P	Room pure
C	Room clean
N	Room normal
D	Room dirty

Accessories



83594.000
Concrete housing
Metal, powder-coated.
Recommended 0-8mm aggregate for
the concrete.
Weight 5.50kg



PROJECT DATA

PROJECT	Kings Cross
DATE	18.01.14
REFERENCE TYPE	
COMMENTS	

NOTE

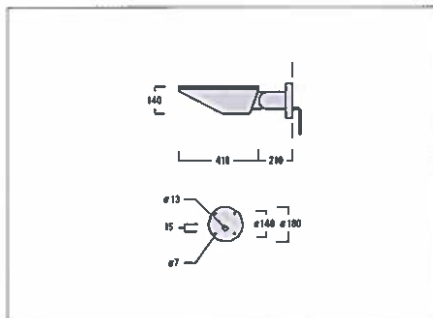
LOCAL WE-EF REPRESENTATIVE

COMPANY	
TELEPHONE	
FAX	
EMAIL	

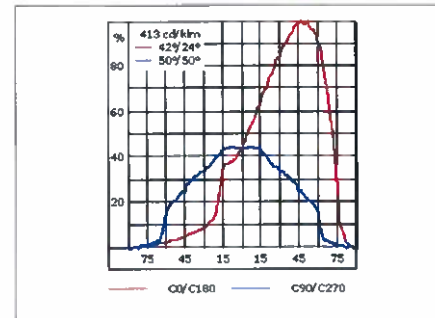
PRODUCT IMAGE



DIMENSIONS



LIGHT DISTRIBUTION



PRODUCT DESCRIPTION

DESCRIPTION	108-0758 PIA230 Wall Luminaires / Surface Mounted
BEAM TYPE	asymmetric forward throw
LAMP TYPE	HIT-CE 20W/c/830 G12 / 3000K / CRI 80
LUMENS	1650
CONTROL GEAR	ECG

MAIN FEATURES

IP66, Class I, IK08. Marine-grade die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone rubber gaskets. Safety glass. Anodised aluminium reflector. +30° tilt

TECHNICAL DATA

Important Information

- Integral control gear
- Remote emergency control pack available upon request
- Adjustable elevation integral to luminaire bracket

Design Information

- Total Wattage = 22W
- LOR = 58%
- Luminaire efficacy = 75Lm/W
- Weight = 8.5kg

General

- Available in a variety of different lamp types and wattages
- Suitable for marine applications

ACCESSORIES

OPTICAL



108-0427 Rearward cut-off shield IL[S]



108-0428 Sidewards cut-off shield IL[A]



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Floodline 2 - 27W

Floodline 2-900 Grey Diffuser 27W LED White

0049466



Range features

- 9W, 18W and 27W LED luminaires
- LED white version with 3,000K and sandblasted front glass for homogenous light distribution
- LED RGB version for DMX-control with different lens optics for different effects
- Integrated electronic drivers
- High protection class: IP65
- Heavy-duty die-cast housing: IK08
- Linear symmetric light distribution
- Adjustable light angle thanks to its tiltable base
- 3 lengths:- 325mm = 9W- 615mm = 18W- 900mm = 27W
- For base mounting
- Provision for through-wiring as standard on Floodline 1, 2 & 3
- For colour changing controls, please refer to page LC7



PRODUCT OVERVIEW

Technology	LED
Ordering number	0049466
EAN code	5410288494661
Certifications	Warranty
Mount	Ceiling surface
Watt (Nominal) (W)	27
Voltage (V)	230
Lamps	LED 27W 3000K
Colour	Aluminium grey
Included lamp	Integrated LED
IP rating	65
IK rating	8

Floodline 2 - 27W

Floodline 2-900 Grey Diffuser 27W LED White

0049466

DATA TABLE

General data

Technology	LED
Ordering number	0049466
EAN code	5410288494661
E-number FI	4578891
Certifications	Warranty
Mount	Ceiling surface
Long description	9W, 18W and 27W LED luminaires. LED white version with 3,000K and sandblasted front glass for homogenous light distribution. LED RGB version for DMX-control with different lens optics for different effects. Integrated electronic drivers. High protection class: IP65. Heavy-duty die-cast housing: IK08. Linear symmetric light distribution. Adjustable light angle thanks to its tiltable base. 3 lengths:- 325mm = 9W- 615mm = 18W- 900mm = 27W. For base mounting. Provision for through-wiring as standard on Floodline 1, 2 & 3. For colour changing controls, please refer to page LC7
Product name	Floodline 2-900 Grey Diffuser 27W LED White
Environment	Exterior
General application	Bridges, Buildings, Fascades, Harbours, Industrial, Loading Bays, Outdoors, Parking Areas, Parks
Specific application	Bridges, Buildings, Façade lighting, Harbours, Industrial, Loading Bays, Outdoor, Parking, Parks, Street
Sales pack quantity	1

Optical data

Distribution type	Direct
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Electrical data

Watt (Nominal) (W)	27
Voltage (V)	230
Ta rating	30°C-40°C
T Class max (°C)	+40°C
T Class min (°C)	-30°C
Electrical protection	Class I
Lamps	LED 27W 3000K
Number of heads	1
Transformer availability	Included
Transformer mounting	Integral
Total number of lamps	1

Floodline 2 - 27W

Floodline 2-900 Grey Diffuser 27W LED White

0049466

Physical data

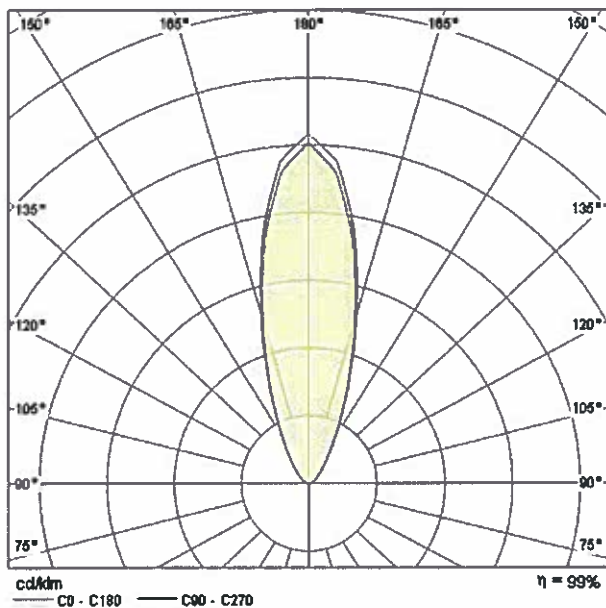
Weight (kg)	4.00
Colour	Aluminium grey
Lamp included	Yes
Included lamp	Integrated LED
Height (mm)	94
Width (mm)	75
Length (mm)	900
IP rating	65
IK rating	8
Vertical tilt (°)	90°
Diffuser finish	Satin
Diffuser material	Glass
Emergency	Without
Reflector finish	Satin
Reflector material	Aluminium
Safety distance	200
Single package dimensions (L x W x H) (cm)	106.00 x 15.40 x 14.80
Outer package dimensions (L x W x H) (cm)	107.00 x 32.80 x 31.60

Floodline 2 - 27W

Floodline 2-900 Grey Diffuser 27W LED White

0049466

PHOTOMETRY



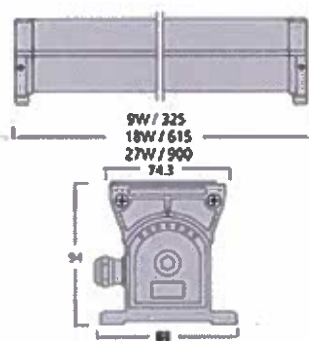
Distance [m]	Cone diameter [m]	E(180°)	E(C90°)	E(C0°)	Illuminance [lx]
3.0	1.88	1.88	1.88	1.88	323
2.5	1.40	1.40	1.40	1.40	465
2.0	1.12	1.12	1.12	1.12	726
1.5	0.84	0.84	0.84	0.84	1291
1.0	0.56	0.56	0.56	0.56	2905
0.5	0.28	0.28	0.28	0.28	11622

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

— C0 - C180 (Half beam angle: 31.0°)

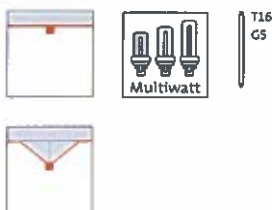
--- C90 - C270 (Half beam angle: 31.2°)

TECHNICAL DRAWINGS

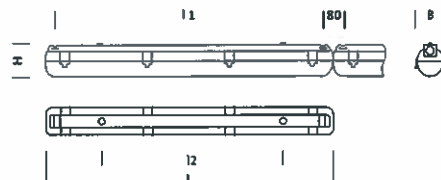


Overview of product data:
5LS41271H
Monsun®, 1x28/54W, T16, ECG, PMMA, dir, surf

1/4


Product description

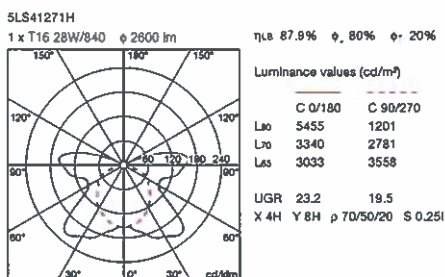
Monsun®, damp-proof luminaire, primary light control with reflector, of sheet steel, white, primary optical cover: enclosure, of PMMA, inner prismatic structure, light emission: direct distribution, primary light characteristic: symmetric, installation type: surface-mounted, suspended mounting, for 1 x T16 28/54W, control gear: ECG Multiwatt, with terminal, 3-pole, max. 2.5mm², mains connection: 230V, AC, 50Hz, luminaire housing, of glass-fibre reinforced polyester, uncoated, bright grey, length: 1.277 mm, width: 84 mm, height: 102mm, clip for enclosure, of stainless steel (V2A), ceiling mounting element, of stainless steel (V2A), protection rating (complete): IP65, insulation class (complete): insulation class I (protective earthing), certification: CE, ENEC 10, VDE, protection symbol: D / F, permissible ambient temperature for indoor applications: ≤ +30°C, standard: EN 50419, packaging unit: 1 piece,



	L	l1	l2	B	H
1xT16 14/24W	667	584	330	84	102
1xT16 21/28/39/54W	1277	1194	800	84	102
1xT16 35/49/80W	1577	1494	1100	84	102
2xT16 14/24W	667	584	330	130	110
2xT16 21/39W	1277	1194	800	130	110
2xT16 28/35/49/54W	1577	1494	1100	130	110



Lamps: 1x T16 28/54W
 Socket: G5
 Wt. (kg): 2.3
 Order No.: 5LS41271H
 EAN: 4039806569509

5LS41271H: 1x T16 28W/840


No. of luminaires in room						
Reflection factors 70/50/20						
Em(b)	100		200		500	
Lh(m)	2.5	3.0	2.5	3.0	2.5	3.0
20 m²	1.7	2.1	3.5	4.1	8.7	10
30 m²	2.5	2.9	5.0	5.8	13	14
40 m²	3.2	3.6	6.4	7.2	16	18
50 m²	3.8	4.3	7.6	8.5	19	21
75 m²	5.4	5.9	11	12	27	30
100 m²	6.9	7.5	14	15	35	38
500 m²	30	31	60	62	150	156

Maintenance factor 0.8 $R_h = L_h + 0.5 m$

You can find a complete overview of lighting technology / planning data from page 4.

Product data details:

SLS41271H

Monsun®, 1x28/54W, T16, ECG, PMMA, dir, surf

2/4



Detailed technical description

Key data

- Product type: damp-proof luminaire
- Family: Monsun®
- Order No.: SLS41271H

Lighting technology | Lamps | Control gear

Component 1

Lighting technology:

- Light control: reflector of sheet steel, white
- Cover: enclosure, inner prismatic structure
- Beam angle: wide distribution
- Symmetry: symmetric distribution
- Light emission: direct distribution
- UGR viewing direction along longitudinal luminaire axis: < 22
- UGR viewing direction along lateral luminaire axis: < 25

Lamps:

- Lamps: for fluorescent lamp, 1x T16 28/54W
- Socket: G5
- Supplement: without through-wiring, without fuse

Control gear:

- Control gear: ECG Multiwatt

Material | Colour

- luminaire housing: glass-fibre reinforced polyester, uncoated, bright grey, with chain suspension
- clip for enclosure: stainless steel (V2A)
- Quantity: 8 piece
- ceiling mounting element: stainless steel (V2A), ceiling mounting included
- Quantity: 2 piece
- Cover: enclosure of PMMA

Mounting

- Mounting method, mounting location: suspended mounting, surface-mounted, to wire suspension, to the ceiling, to the mounting rail, to the trunking rail
- Arrangement: single/continuous arrangement

Electrical connection

- Connection: terminal, 3-pole, max. 2.5mm²
- Nominal voltage: 230V, AC, 230..240V, 50Hz

Dimensions | Weight

- Length: 1277mm
- Width: 84mm
- Height: 102mm
- Weight: 2.3kg

Approval

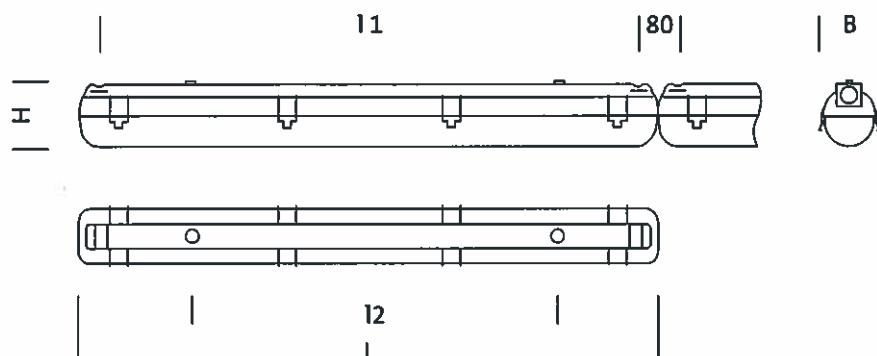
- Protection rating: IP65
- Insulation class: insulation class I (protective earthing)
- Protection symbol: D / F
- Permissible ambient temperature: ≤ +30°C
- Standard: EN 50419
- Certification: CE, ENEC 10, VDE

Dimensions:

5LS41271H

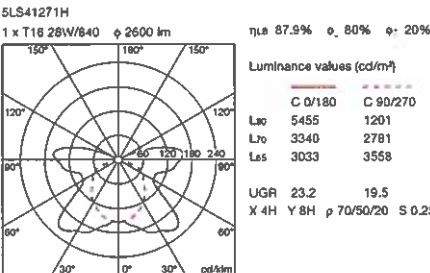
Monsun®, 1x28/54W, T16, ECG, PMMA, dir, surf

3/4



	L	l1	l2	B	H
1xT16 14/24W	667	584	330	84	102
1xT16 21/28/39/54W	1277	1194	800	84	102
1xT16 35/49/80W	1577	1494	1100	84	102
2xT16 14/24W	667	584	330	130	110
2xT16 21/39W	1277	1194	800	130	110
2xT16 28/35/49/54W	1577	1494	1100	130	110

SLS41271H: 1x T16 28W/840



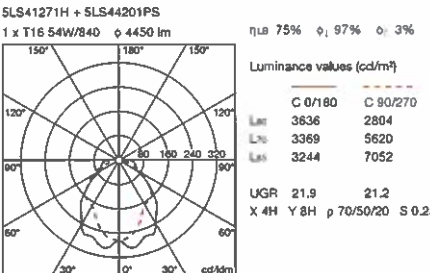
No. of luminaires in room

Reflection factors 70/50/20

Em(lx)	100	200	500
Lh(m)	2.5	3.0	2.5
20 m²	1.7	2.1	3.5
30 m²	2.5	2.9	5.0
40 m²	3.2	3.6	6.4
50 m²	3.8	4.3	7.6
75 m²	5.4	5.9	11
100 m²	6.9	7.5	14
500 m²	30	31	60

Maintenance factor 0.8 Rh = Lh + 0.5 m

SLS41271H+SLS44201PS: 1x T16 54W/840



No. of luminaires in room

Reflection factors 70/50/20

Em(lx)	100	200	500
Lh(m)	2.5	3.0	2.5
20 m²	1.0	1.1	1.9
30 m²	1.4	1.6	2.7
40 m²	1.7	1.9	3.4
50 m²	2.1	2.3	4.1
75 m²	3.1	3.3	6.2
100 m²	4.0	4.3	8.0
500 m²	18	19	37

Maintenance factor 0.8 Rh = Lh

TYPE F4 / F4E

miniflux HP

polycarbonato/ polycarbonate

Modular LED system for interior/outdoor use.

Aluminum profile. Clear polycarbonate diffuser.
Transparent polycarbonate brackets for fixation.
Miniflux can be supplied in the following lengths:
103, 201, 305 cm. Adjustable optic. High emission
LED strip 24V DC. IP65. IK08. Feeding cap and
end cap included. LED driver not included.
Luminous flux: approximately 800 lm/m.
For linear connection max 6 meters.



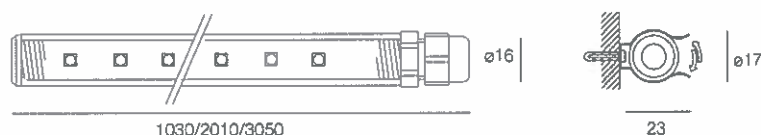
AVVERTENZE VARIE PAG. 415/
CAUTIONS ON PAGE 416.



Ta max 35°C

Ta min -20°C

disegni tecnici/technical drawings



illuminamento/illumination

bianco neutro/neutral white

h (m)	E (lx)	D (cm)
0.50	800	115
1.00	200	229
1.50	89	344
2.00	50	458

accessori/accessories

BBOKGIUNTO -

Connection joint for linear mounting (not included p.393) image 1

BBOKALIMPG7 -

PG7 feeding (not included p.393) image 2

BBOKTAPPO -

End-cap (not included p.393) image 3



1

2

3



applicazioni/applications

Decorative lighting, cove lighting, graze lighting, accent lighting, hospitality lighting.

alimentatori/LED drivers

*codice/code non inclusi/not included	caratteristiche/ specifications
WALIMLED20/24	20W - 24V - 146x55x19 (h)
WALIM60W24V	60W - 24V - 241x43x30 (h)
WALIMLED100/24	100W - 24V - 241x43x30 (h)
WALIMLED150/24	150W - 24V - 265x66x51 (h)
WALIMLED240/24	240W - 24V - 193x163x50 (h)
WALIM/DIMM/JOLLY	20W - 24V - 103x67x21 (h) - dimm.
WBOKVAR	variatore/dimmer 1-10V
WBOKOTDIM	dimmer (120W max) necessita di alimentatore/ needs driver

	BBOK0918005WPC	warm white*	interni/ esterni interior/ outdoor	nastro LED/ LED strip	alta emissione/ high emission	polycarbonato/ polycarbonate	L=305 cm/ 48W	orientabile/ adjustable	con staffe/ with brackets	65
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40W EM PWR

40W Emergency Power Supply

A 3hr emergency lighting conversion pack which has been designed and manufactured specifically to suit a multitude of 'mains voltage' lamps.

Static Invertor can run up to 6 MasterLED 7W Lamps

Product data

• General Information

Kombipack	K [Lamp(s) included]
Gear	EB [Electronic]
Safety Class	CLI [Safety class I]
IP Code	IP20
Mounting	Recessed
Colour	White
Material	Steel Case
European Community Mark	CE [CE mark]
ENEC Mark	ENEC [ENEC mark]

• Electrical Characteristics

Maximum Rated Load	40W
Power Consumption	42W
Maximum Output Voltage	180-240V DC
Discharge Current	4.5A
Mains Voltage	240V AC
Battery Type	VRLA 12V 17Ah
Emergency Duration	3hrs
Recharge Period	24hrs
Ambient Temperature (Max)	0 - 40°C (40°C)

• Product Dimensions

Length	380mm
Width	240mm
Depth	90mm

• Product Data

Net weight per piece	9kg
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Product Code	I 2NC
MM/LA/A/40/3DFK	919913992520

PHILIPS