

Condition 20

External Lighting Scheme and Ecological/Amenity Lighting Assessment

Warren Creek, The Warren, Caversham, Reading RG4 7TQ

Final for submission incorporating DFL Light Spill / Isolux Diagram Rev P03

Document control

Planning permission	PL/24/1614
Condition	Condition 20 - External lighting scheme
Previous report updated	Condition 20 - External Lighting Scheme Ecology Amenity Assessment - final submission issue
Latest isolux drawing	DFL drawing 4806-DFL-ELG-XX-LD-EO-13001, Rev P03, Status S3, Third Issue, dated 24.06.2026
Document status	Final for submission to the Planning Authority
Core conclusion	The main substantive lighting issues are now addressed by this final report, the DFL Rev P03 isolux drawing, the fixed lighting schedule, datasheets, switching controls and commissioning/ECoW review commitments.

1. Executive summary - are the Condition 20 issues now addressed?

The latest DFL Rev P03 isolux / light spill diagram materially strengthens the Condition 20 submission. It now uses the same general light types as the controlled lighting report: BEL Atlantic FL freestanding lights, Lighting Styles Cylinder Exterior IP65 downlights with Philips GU10 2700K lamps, and Arc LED 24V 2700K IP67 seamless LED strip. This resolves the earlier concern created by the previous DFL key that showed Collingwood WL220 fittings and 4000K strip lighting.

The P03 diagram shows isolux contours at 10.0 lux, 5.0 lux, 1.0 lux and 0.5 lux. The yellow 0.5 lux contour is identified and the DFL note states that this limit is not exceeded at the sensitive locations of the creek and the River Thames southern boundary. The DFL note also states that the light is well contained within the application site boundary and should not exceed ILP GN01:2021 E3 environmental-zone levels at and adjacent to human receptors.

On that basis, the main technical gaps previously identified for Condition 20 - a fixed schedule, unique light references, lighting specifications, beam/orientation controls, glare controls, switching controls, ecological dark-corridor commitments and an isolux contour plan down to 0.5 lux - are now substantively addressed.

2. Submitted drawing basis and scope

This report is updated to be read with the latest DFL light spill / isolux diagram: drawing 4806-DFL-ELG-XX-LD-EO-13001, Rev P03, Status S3, Third Issue, dated 24 June 2026. The P03 diagram is appended to this report and is treated as the controlling isolux evidence for the external lighting scheme.

The P03 diagram should be read together with the updated landscaping / lighting layout drawing showing LT01-LT14, the final manufacturer datasheets and the commissioning / ECoW review commitments in this report.

Where any earlier Condition 20 report wording or equipment schedule conflicts with the P03 DFL diagram, this updated report and the P03 DFL diagram shall prevail, unless the Local Planning Authority agrees an alternative in writing.

3. Master lighting schedule from DFL Rev P03

The following lighting schedule replaces the earlier v0.02 / v0.03 references and reflects the DFL Rev P03 key.

Ref.	Quantity / group	Specified lighting type	Lamp / assessment data used by DFL	Controlled output / CCT	Use / orientation	Status
LT01-LT05	5 no.	BEL Lighting Atlantic FL	Philips CorePro E27, 2700K, 250 lm	2700K; 250 lm maximum per lamp	Low-level freestanding path/access lighting; installed and aimed to avoid spill to creek, River Thames corridor, trees, hedgerows and BPZs.	Adopt as master schedule
LT06-LT07, LT10-LT13	6 no.	Lighting Styles Cylinder Exterior IP65 downlight	Philips GU10 3.7W MASTER VALUE LEDspot MV, 2700K, 270 lm	2700K; 270 lm; narrow downward beam	Wall-mounted/ downward-directed access lighting; no uplighting or horizontal spill into ecological receptors.	Adopt as master schedule
LT08, LT09, LT14	3 no.	Arc LED 24V 2700K 10W IP67 seamless LED strip	Arc LED 24V 2700K 10W IP67 seamless LED strip, 270 lm/m	2700K; 270 lm/m; IP67; 24V	Low-level step lighting concealed below step nosings or in recesses, directed only onto steps/treads.	Adopt as master schedule

4. Officer / ecology feedback response summary

Issue raised	Updated response	Status
Dedicated lighting report rather than plan notes only	Addressed by this report and appended product data.	Substantively addressed
Unique light references and layout	Addressed by LT01-LT14 references and the DFL P03 diagram. Cross-checked against the latest 3863/301 drawing package at submission stage.	Substantively addressed
Manufacturer / product specification	Addressed by the schedule and datasheet appendices. Final installed products must match the DFL model.	Substantively addressed
Beam orientation and glare control	Addressed by downward / low-level orientation commitments and the DFL contour evidence.	Substantively addressed
Isolux contours down to 0.5 lux	Addressed by DFL Rev P03, which shows 10.0, 5.0, 1.0 and 0.5 lux contours.	Substantively addressed
Creek / River Thames / trees / vegetation / bats	Addressed by avoidance-led design, 2700K source temperatures and 0.5 lux evidence at the creek / River Thames boundary.	Substantively addressed
No dusk-to-dawn external lighting	Addressed. Manual switching is not self-extinguishing, but these lights are to be used only when required and not from dusk to dawn.	Substantively addressed
PIR timing	Timed PIR run-on shall be maximum 5 minutes unless the ECoW/LPA	Substantively addressed

	requires a shorter 2-minute maximum.	
ECoW commissioning review	Retained. ECoW to review final positions and night-time commissioning photographs.	Substantively addressed

5. Site sensitivity and protected receptors

- Warren Creek and the River Thames corridor.
- Retained tree canopies and retained TPO trees T3, T5 and T7.
- W21 TPO woodland edge adjoining the eastern boundary.
- Hedgerows, biodiversity protection zones, nesting birds, bats and other nocturnal receptors.
- Neighbouring residential receptors and amenity areas.
- Flood Zone 3b functional floodplain constraints affecting external electrical specification and resilience.

For the purposes of this Condition 20 report, all external lighting shall be designed, installed and operated so that routine lighting does not illuminate the creek, River Thames corridor, W21 woodland edge, retained tree canopies, hedgerows or biodiversity protection zones.

6. Lighting design objectives

- Keep the creek, River Thames corridor, W21 woodland edge, retained tree canopies, hedgerows and BPZs dark in routine operation.
- Avoid floodlighting, uplighting, tree-mounted lighting, watercourse lighting and decorative lighting of vegetation/water.
- Use only the external lighting references shown on the DFL P03 light-spill diagram unless a revised lighting model and LPA/ECoW review approve a change.
- Use warm-spectrum lighting not exceeding 2700K across all external light sources.
- Restrict output to the levels modelled in the DFL P03 diagram.
- Verify the installed scheme with night-time commissioning photos and specialist review.

7. Isolux / light-spill evidence

DFL Rev P03 provides the required isolux evidence for the proposed scheme. The drawing identifies isolux lines as: red 10.0 lux, pink 5.00 lux, blue 1.00 lux and yellow 0.50 lux. The drawing note confirms that the 0.5 lux contour is not exceeded at the sensitive locations of the creek and the River Thames to the south boundary.

The P03 diagram also states that the indicative light spill is well contained within the application site boundary and therefore does not have the potential to result in levels exceeding those advised in ILP GN01:2021 for an E3 environmental zone at and adjacent to human receptors.

8. Isolux limitations and how they are controlled

Limitation / note	What P03 says	Control wording to retain
DFL status note	The drawing is marked INDICATIVE ONLY and NOT FOR CONSTRUCTION.	Treat as the planning/light-spill assessment drawing. The installation drawings must not depart from it without review.
Initial light levels	The drawing states that initial light levels are shown.	Commissioning photographs and ECoW review remain required to confirm that the installed scheme does not create greater spill.
Maintenance factor	Maintenance factor of 1.0 used throughout for start-of-life lighting.	Do not rely on future degradation to achieve compliance. The installed

		start-of-life scheme must comply.
Comparable assessment data	The P03 key identifies comparable luminaire / lamp details used for lighting assessment.	Final installed luminaires, lamps and LED strips must match or be no brighter / no cooler / no wider-beam than the modelled equivalents.

9. Controls and switching regime

- No external lighting shall operate on a dusk-to-dawn basis.
- Manual switching will not have an automated switch-off; however, manually switched lights shall be used only when required for access, safety or short-term domestic use and shall not be left on as routine night lighting.
- Timed PIR run-on shall be set to a maximum of 5 minutes. If the ECoW, lighting consultant or Local Planning Authority requires a shorter ecological setting, the PIR run-on shall be reduced to a maximum of 2 minutes.
- All fittings shall be installed in the locations and orientations used for the DFL P03 light-spill assessment. No fitting shall be angled toward the creek, River Thames corridor, retained tree canopies, hedgerows, W21 or BPZs.
- No floodlighting, uplighting, tree lighting, watercourse lighting, security floodlights or decorative landscape lighting is proposed or permitted by this scheme.

10. Ecological commitments and ECoW role

- The Ecological Clerk of Works shall review the final installed lighting positions before or during commissioning.
- The ECoW shall review night-time commissioning photographs showing the installed lighting in operation from representative viewpoints, including toward the creek, River Thames boundary, W21 woodland edge, retained tree canopies and neighbouring receptors.
- If commissioning photographs or site review show materially greater spill than the DFL P03 model, the ECoW may require adjustment, shielding, dimming, reduced run-on duration or reduced operating use before the lighting is accepted as compliant.
- Any proposed change to product type, lamp, wattage, colour temperature, lumen output, beam angle, mounting height, orientation or control regime shall be treated as a design change requiring specialist review and, where necessary, LPA agreement.

11. Maintenance and future replacement restrictions

Owners and future owners shall maintain the external lighting in accordance with the approved Condition 20 scheme. Replacement lamps, luminaires, LED strips, drivers and controls shall match the approved P03 specification and shall not increase light output, colour temperature, beam spread, mounting height, operating duration or light spill.

Replacement lamps / sources shall not exceed 2700K. LT01-LT05 shall use Philips CorePro E27 2700K lamps not exceeding 250 lm, or an equal/lower-output warm alternative. LT06-LT07 and LT10-LT13 shall use Philips GU10 2700K lamps not exceeding 270 lm, or an equal/lower-output warm alternative. LT08, LT09 and LT14 shall use Arc LED 24V 2700K IP67 seamless LED strip not exceeding the approved/modelled output of 270 lm/m, or an equal/lower-output 2700K IP67 strip accepted by the ECoW/LPA.

12. Submission evidence and controls

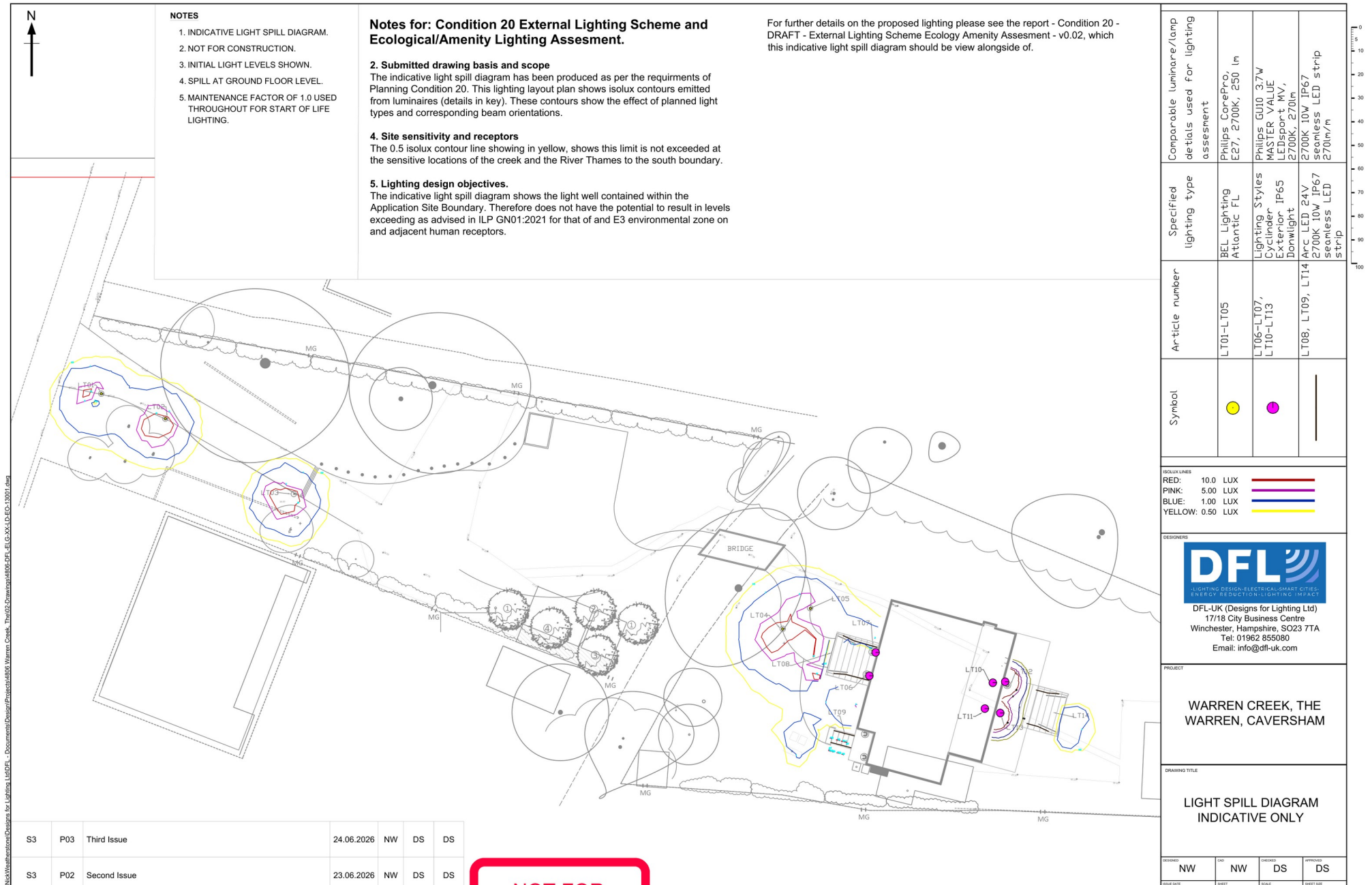
13. Conclusion

The latest DFL Rev P03 light-spill diagram resolves the main technical weaknesses previously present in the Condition 20 submission. It provides isolux contours down to 0.5 lux, confirms the 0.5 lux contour is not exceeded at the creek/River Thames sensitive boundary, removes the previous high-output / 4000K product conflicts, and aligns the lighting scheme around low-output 2700K products.

The final submission pack shall include this report, DFL Rev P03, the latest labelled lighting layout, the final datasheets and the ECoW/night-time commissioning commitments. The scheme shall be installed and maintained in accordance with those approved documents.

Appendix A - DFL Rev P03 light-spill / isolux diagram

DFL drawing 4806-DFL-ELG-XX-LD-EO-13001, Rev P03, Status S3, Third Issue, dated 24.06.2026.



Appendix B - Philips CorePro E27 2700K 250 lm lamp data for LT01-LT05



CorePro GLASS LED candles and lusters



CorePro LEDLusterND2-25W P45 E27 827 CLG

CorePro, LEDbulb, P45, 25 W, E27, 2700 K, 250 lm, CRI 80, 15000 hour(s), Glass

CorePro, LEDbulb, P45, 25 W, E27, 2700 K, 250 lm, CRI 80, 15000 hour(s), Glass, 125.00 lm/W, EEL E, PF 0.4, Beam angle 300 degree(s), RG1, IP20, SVM 0.4, PstLM 1

Product data

General Information	
Cap-Base	E27
Nominal lifetime	15.000 hour(s)
Switching Cycle	20.000
Lighting Technology	LEDbulb
Flux measurement reference	Sphere
Warranty period	2 years
Light Technical	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	300 degree(s)
Luminous Flux	250 lm
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	125.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Photobiological safety according to EN 62471		RG1
Operating and Electrical		
Line Frequency	50 to 60 Hz	
Input Frequency	50 to 60 Hz	
Power Consumption	2 W	
Lamp Current (Nom)	20 mA	
Wattage Equivalent	25 W	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.4	
Voltage (Nom)	220-240 V	
Temperature		
T-Case Maximum (Nom)	30 °C	
Controls and Dimming		
Dimmable	No	

Datasheet, 2026, May 15

data subject to change

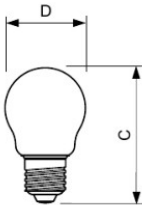
Philips CorePro datasheet page 2.

CorePro GLASS LED candles and lusters

Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	P45
Net Weight (Piece)	0.014 kg
Approval and Application	
Energy Efficiency Class	E
Energy Consumption kWh/1000 h	2 kWh
EPREL Registration Number	387364
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

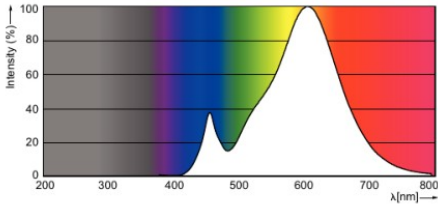
Application Conditions	
can it be used in closed luminaires	No
Wireless Technology	Not applicable
Product Data	
Order product name	CorePro LEDLusterND2-25W P45 E27 827 CLG
Full product name	CorePro LEDLusterND2-25W P45 E27 827 CLG
Full product code	871951434776200
Order code	929001238792
Material Nr. (12NC)	929001238792
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514347762
Numerator - Packs per outer box	10
EAN/UPC - Case	8719514347779

Dimensional drawing

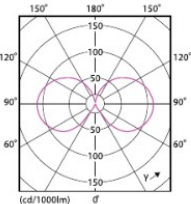


Product	D	C
CorePro LEDLusterND2-25W P45 E27 827 CLG	45 mm	78 mm

Photometric data



Spectral Power Distribution Colour - CorePro LEDLusterND2-25W P45 E27 827 CLG

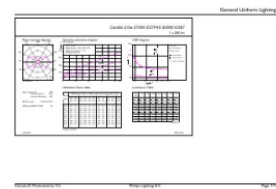


Light Distribution Diagram - CorePro LEDLusterND2-25W P45 E27 827 CLG

Philips CorePro datasheet page 3.

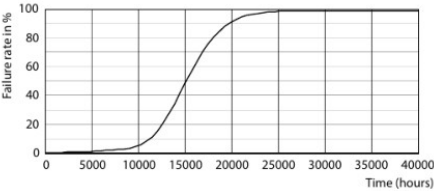
CorePro GLASS LED candles and lusters

Photometric data

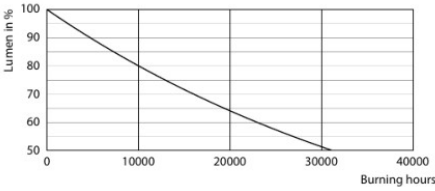


General uniform lighting - CorePro LEDLusterND2-25W P45 E27 827 CLG

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - CorePro LEDLusterND2-25W P45 E27 827 CLG



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www.lighting.philips.com
2026, May 15 - data subject to change

Appendix C - Arc LED 24V 2700K 10W IP67 seamless LED strip data for LT08, LT09 and LT14

Condition 20 External Lighting Scheme and Ecological/Amenity Lighting Assessment | Warren Creek, The Warren
[Appendix C1 - Arc LED 24V 2700K 10W IP67 Seamless LED Strip - Step Lighting](#)
Source file: Spec - Arc LED 24V 2700K 10W IP67 Seamless LED Strip (Very Warm White) - Outside Step Lighting.pdf
Appendix C1 - Arc LED 24V 2700K 10W IP67 Seamless LED Strip - Step Lighting, page 1

PRODUCT DATA SHEET

ARC-NS417-24V

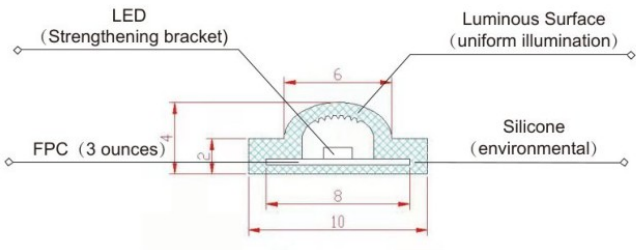


Updated draft for technical review and LPA submission preparation

Product Features

- 1. Silicagel material, high temperature resistance, yellowing resistance, can be used in outdoor harsh weather.
- 2. Good flexibility, good bending, easy modeling and anti pulling force.
- 3. Corrosion resistance, acid and alkali can be used in extremely harsh conditions.
- 4. Uniform illumination, no spot, light effect is soft.
- 5. High brightness chip LED, pure gold wire, pure copper packaging, good heat dissipation, high stability, long service time.
- 6. Lead free SMT process (RoHS), smooth solder joints, solid and reliable connection.

Structure Introduction



Updated draft for technical review and LPA submission preparation

Diagram

Dimension mm/inch

Length/Reel	Width	Height	Min. Cutting
1000/39.37	10/0.3937	4/0.1575	Every 41.7mm/1.641inch (14 LEDs)

Data

Part Number	Working Voltage	Power (W/m)	Current (A/m)	LED Qty/m	CRI
ARC-NS417-24V	24V	10W/m	0.4329A/m	336LEDs/m	90+

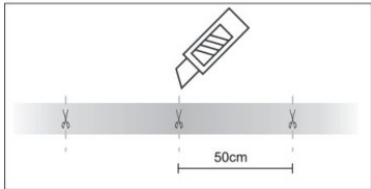
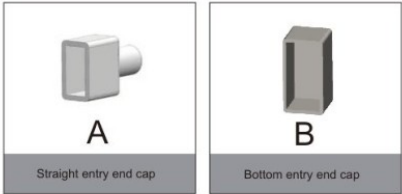
CCT (°K)	Luminous Efficiency	Lumen/m
CRI>90 2700K	92.84 lm/W	928.4 lm/m
CRI>90 3000K	100.41 lm/W	1004.1 lm/m
CRI>90 4000K	100.59 lm/W	1005.9 lm/m

Note:

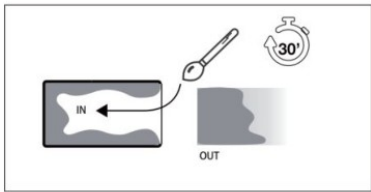
The lumen output value tolerance + -5% due to testing way.
The CCT will be + -200k tolerance.

Updated draft for technical review and LPA submission preparation

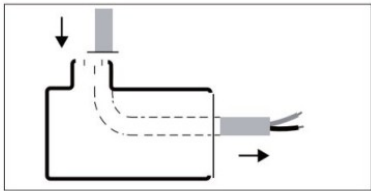
Installation accessories



1. Cut according to the required length.
The strip has a mark every 50cm. Cut at the mark position



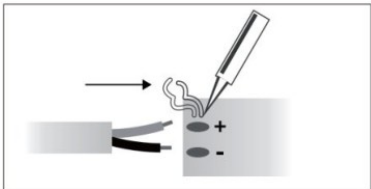
2. At the end of the outlet line, the inside of the plug and the outside of the strip are coated with special silica gel adhesive, and then put into the lamp band and use after 30 minutes.



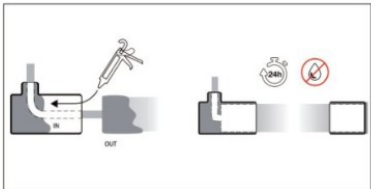
Need outlet: penetrate wire into the plug hole to the other end of the plug.

Updated draft for technical review and LPA submission preparation

Installation accessories

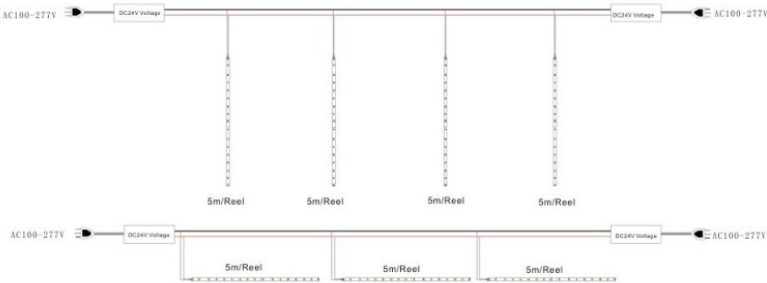


Weld wire through the plug on FPC, positive welding on(+),negative welding on(-)



At the end of the outlet line, the inside of the plug and the outside of the strip are coated with special silica gel adhesive, and then put into the lamp band and use after 30 minutes.

Wiring Diagram Application



Updated draft for technical review and LPA submission preparation



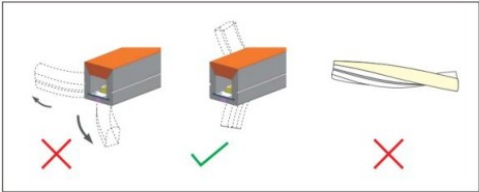
Updated draft for technical review and LPA submission preparation

 Packaging

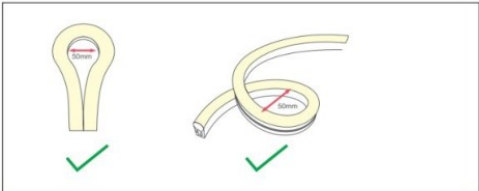


 Attention

1.This product uses low voltage DC power supply, must use AC-DC switch. Use the power supply after voltage conversio! It is strictly forbidden to directly connect the LED light bar with AC 110Vor AC 220V AC mains voltage connection, other wise it will damage strip, and may cause a safety accident!



2.Bending direction requirements:
Bending neon strip is required to bend along the upper and lower directions of the cross section, bending in the left and right directions of the cross section or seriously twisting will damage the strip.



3.Minimum bending diameter:
The minimum bending diameter of curved neon strip is not less than 50 mm, and the bending diameter is less than 50 mm, which will easily damage the strip. eft and right directions of the cross section or seriously twisting will damage the strip.

4. During installation and use, there is a possibility of soiling the light strip. You can use a cotton cloth, dip it in clean water or sprinkle it, and gently wipe the dirty location to clean it.
5. Do not touch the product by means of heavy knocking or hammering;
Do not pull the lamp belt forcefully to avoid breaking the FPC in the product;
Do not pull the power cord forcefully to avoid the disc falling off;
Pay attention to the wiring.

Angle



During installation and use, there is a possibility of soiling the light strip. You can use a cotton cloth, dip it in clean water or sprinkle it, and gently wipe the dirty location to clean it.

✓ Safety & Disclosures

1. Do not install the led strip in environment where excessive heat may occur.
2. Do not extend beyond the recommended maximum run length.
3. Only use copper wiring. Use wires rated for at least 176°F(80°C) and certified for use with external connection of electrical equipment.
4. Do not install IP20 LED strip products in outdoor / wet location environments.
5. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
6. Improper wire selection and installation could overheat wires, and cause fire.
7. Do not connect directly to high voltage or AC power.
8. Installation must be in accordance with local and national electrical code regulations.
9. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician

Updated draft for technical review and LPA submission preparation

Appendix D - BEL Lighting Atlantic FL data for LT01-LT05 freestanding light housings

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Appendix C2 - BEL Lighting Atlantic FL - Freestanding Light

Source file: Spec - Bel Atlantic FL - Freestanding light(1).pdf

Appendix C2 - BEL Lighting Atlantic FL - Freestanding Light, page 1



BEL LIGHTING

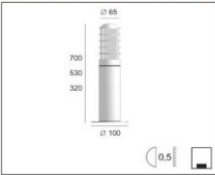
BEL LIGHTING sprl
Avenue Ernest Solvay 42 - B-1480 Saintes (Tubize) - Belgium
Phone: +32(0)2 3552428 - Fax: +32(0)2 3550398 - e-mail: info@bel-lighting.com
www.bel-lighting.com

Product datasheet

ATLANTIC FL

code : 180.____

code : 182.____

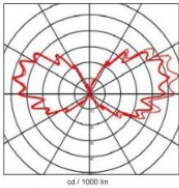
Description

EN Symmetric diffusion bollard, this robust pole is made of aluminum or brass. Fixture to be place on the ground, available in different sizes, it can use an LED, halogen or economic fluorescent lamp. This quality luminaire is manufactured by machining process, the combination of aluminum and frosted glass gives a contemporary aesthetic to this fixture. Installed by itself or in groups, this is an attractive solution for many outdoor lighting applications.
Degree of protection IP65 - IK06 - Class 1 - CE
Dimensions: diameter 65mm - height: 320, 530 or 700mm - base: diameter 100mm
Luminaire made of aluminum or brass, stainless steel screws, glass mat interior.
Fixation with 3 screws, 3 holes 6,5mm diameter.
With 2 cable-glands for cable max. 10mm diameter.
Colors: 00 - Natural brushed aluminum
02 - Black
07 - Brushed brass
09 - Bronze

FR Balise à diffusion symétrique, ce poteau robuste est fabriqué en aluminium ou en laiton. Luminaire à installer au sol, disponible en différentes tailles, il peut utiliser une ampoule Led, halogène ou économique fluorescente. Ce luminaire de qualité est fabriqué par procédé d'usinage, l'alliance de l'aluminium et du verre sablé confère à ce luminaire une esthétique contemporaine. Installé seul ou en groupe, c'est une solution intéressante pour de nombreuses installations à l'extérieur. Existe en différentes variantes, en appliques et en balises.
Degré de protection IP65 - IK06 - Classe 1 - CE
Dimensions: diamètre 65mm - hauteur: 320, 530 ou 700mm - base: diamètre 100mm
Luminaire fabriqué en aluminium ou en laiton, visserie en inox, verre intérieur mat.
Fixation avec 3 vis, 3 trous de 6,5mm de diamètre.
Avec 2 presse-étoupes pour câble de max. 10mm de diamètre.
Couleurs: 00 - Aluminium naturel brossé
02 - Noir
07 - Laiton brossé
09 - Bronze

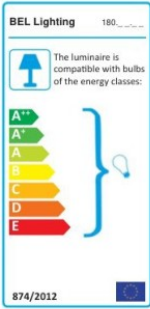
NL Verlichtingspaal met symmetrische diffuser, deze robuuste paal is vervaardigd uit aluminium of messing. Paal te plaatsen op de grond is leverbaar in verschillende lengten, en kan gebruik maken van LED, halogeenlamp of economische spaarlamp. Is een combinatie van aluminium en gezandstraald glas. Dit kwaliteitsproduct is geproduceerd door eigen bewerkingsproces en kan individueel of in groep geplaatst worden. Het is een goede oplossing voor tal van buiten projecten. Leverbaar in verschillende versies, als paal of wandarmatuur.

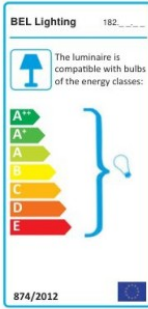
GR Καλυνάκι συμμετρικής διάχυσης φωτός κατασκευασμένο από αλουμίνιο ή ορείχαλκο. Κατασκευασμένο για τοποθέτηση στο έδαφος, διατίθεται σε διαφορετικά μεγέθη και μπορεί να λειτουργήσει με λαμπτήρες led, αλογόνου ή φθορισμού. Αυτής της κατηγορίας τα φωτιστικά είναι κατασκευασμένα στον τόρνο και ο συνδυασμός του αλουμινίου και του γυαλιού αμβρολής δίνουν σε αυτό μια σύγχρονη αισθητική.



cd / 1000 lm

--- C0 / C180
... C90 / C270





Wijzigingen in ontwerp, technische specificaties en handleiding voorbehouden.
Sous réserve de modifications au niveau de la conception, des spécifications techniques et de la notice.
Alterations in design, technical specification and manuals reserved.
Änderungen von Entwurf, technischen Daten und Bedienungsanleitungen bleiben vorbehalten.

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Date: 25/08/2015

Updated draft for technical review and LPA submission preparation

Condition 20 External Lighting Scheme and Ecological/Amenity Lighting Assessment | Warren Creek, The Warren
Appendix C2 - BEL Lighting Atlantic FL - Freestanding Light, page 2

BEL LIGHTING sprl
Avenue Ernest Solvay 42 - B-1480 Saintes (Tubize) - Belgium
Phone: +32(0)2 3552429 - Fax: +32(0)2 3550396 - e-mail: info@bel-lighting.com
www.bel-lighting.com

Product datasheet

ATLANTIC FL

code : 180._._._

code : 182._._._

Product code :	180.32._._ (height: 320mm)	182.32._._ (height: 320mm)
Code produit :	180.53._._ (height: 530mm)	182.53._._ (height: 530mm)
Produkt-Code :	180.70._._ (height: 700mm)	182.70._._ (height: 700mm)
Power :	TC-TSE max. 14W	max. 60W
Puissance :	QT32 max. 70W	
Leistung :		
Lamp type :	TC-TSE 	H-PIN 
Type de lampe :	or	
Leuchtentyp :	QT32 	
Soquet :	E27	G9
Driver type :		
Convertisseur :		
Konverter :		
Voltage :	230V	230V
Classification :	CE - IP65 - IK06 Class I	CE - IP65 - IK06 Class I
Colour :	00 Brushed aluminum	
Couleur :	02 Black	
Farbe :	07 Brass	
	09 Bronze	
Material :	00 - 02 Aluminum	
Matériaux :	07 - 09 Brass	
Material :		
Weight :	32 53 70 Brushed aluminium Black Brass Bronze            	
Origin :	Made in Belgium	
Origine :		
Herkunft :		
Dimmable :	yes	
Adjustable :	no	
Warranty :	2 years + 3 years optional	
Garantie :		
Glass type :	Glass mat interior	
Type de verre :		
Glastyp :		

Wijzigingen in ontwerp, technische specificaties en handeling voorbehouden.

Sous réserve de modifications au niveau de la conception, des spécifications techniques et de la notice.

Alterations in design, technical specification and manuals reserved.

Änderungen von Entwurf, technischen Daten und Bedienungsanleitungen bleiben vorbehalten.

Updated draft for technical review and LPA submission preparation

Appendix E - Lighting Styles Cylinder Exterior IP65 downlight data for LT06-LT07 and LT10-LT13

Condition 20 External Lighting Scheme and Ecological/Amenity Lighting Assessment | Warren Creek, The Warren
[Appendix C3 - Lighting Styles Cylinder Exterior IP65 Wall Downlight](#)
Source file: Spec - Lighting Styles Cylinder Exterior IP65 Downlight - For Wall Lights(1).pdf

Appendix C3 - Lighting Styles Cylinder Exterior IP65 Wall Downlight, page 1



www.lightingstyles.co.uk
01780 767 617

BUDGET CYLINDER EXTERIOR WALL DOWNLIGHT - IP65
Bathroom or Exterior Use - White, Black or Anthracite Finish



Product Ref: 57375
£17.00 inc VAT

Updated draft for technical review and LPA submission preparation

Condition 20 External Lighting Scheme and Ecological/Amenity Lighting Assessment | Warren Creek, The Warren
Appendix C3 - Lighting Styles Cylinder Exterior IP65 Wall Downlight, page 2

Description More Details Bulbs Q & A's

This wall light featuring downward lighting and an IP65 rating provides a sleek and functional solution for outdoor lighting. With its durable construction and high ingress protection rating, it is designed to withstand harsh weather conditions, ensuring long-lasting performance. The downward illumination is great for creating a sophisticated and balanced lighting effect on exterior walls especially when used either side of an entrance for example.

Available in white, black, and anthracite finishes, it can easily complement a variety of architectural styles. Whether used to highlight architectural features or to enhance security around your home, this exterior light delivers direct and impactful illumination, making it an ideal choice for modern outdoor spaces.

Budget conscious price, constructed from ABS polycarbonate. An up and down light in the same style is also available, see listing below.

Designed for use with GU10 base lamps up to 6 watt.

Warranty: 3 years.

View more items from this supplier

Number Of Lamps	1
Lamp Type	GU10 Base Mains Lamps
Lamps Included	No
Dimmable?	Yes - when used with a dimmable lamp (bulb)
Total Wattage	6w
Width	90mm
Length	70mm
Height	90mm
Construction	ABS Polycarbonate
Wiring Details	Class 2 - Double Insulated - Requires no Earth Connection
IP Rating	IP65

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Appendix F - Philips MASTER Value GU10 3.7W 2700K 270 lm lamp data

Condition 20 External Lighting Scheme and Ecological/Amenity Lighting Assessment | Warren Creek, The Warren
Appendix C4 - Philips MASTER Value GU10 LED Spot 3.7W - Wall Light Bulb
Source file: Spec - Philips MASTER Value GU10 LED 3.7w Spot - Wall Light Bulb(1).pdf

Appendix C4 - Philips MASTER Value GU10 LED Spot 3.7W - Wall Light Bulb, page 1



MASTER VALUE LEDspot MV

MAS LED spot VLE DT 3.7-35W GU10 927 36D

Delivering a warm, halogen-like accent beam, MASTER VALUE is a perfect fit for spot lighting. Thanks to its high CRI, it realizes more natural colors, creating cozy and comfortable ambiances for residential and hospitality projects, and emphasizing the beauty of merchandise in retail. These LED spots MV GU10 have the familiar look and feel of spot lamps, keeping the classic beauty of glass spots and adding the strong performance of LED technology. The dimming function enables you to create the atmosphere you desire, and it works with broad selection of dimmers. MASTER VALUE also offers more energy savings than normal LED spots.

Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

Product data

General Information			
Cap-Base	GU10 (GU10)	Luminous Intensity (Nom)	500 cd
Nominal lifetime	25.000 hour(s)	Color Designation	Warm Glow(WG)
Switching Cycle	50.000	Correlated Color Temperature (Nom)	2200 2700 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	72.00 lm/W
Flux measurement reference	Narrow Cone	Color Consistency	<6
		Color rendering index (CRI)	90
		LLMF At End Of Nominal Lifetime (Nom)	70 %
		Luminous Flux in 90° Cone (Rated)	270 lumen
Light Technical			
Color Code	922-927 [CCT of 2200K-2700K]		
Beam Angle (Nom)	36 degree(s)		
Luminous Flux	270 lumen		
		Operating and Electrical	
		Line Frequency	50 to 60 Hz

Datasheet, 2023, May 19

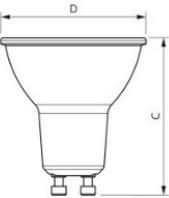
data subject to change

Updated draft for technical review and LPA submission preparation

MASTER VALUE LEDspot MV

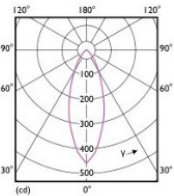
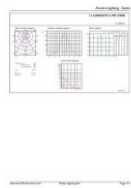
Input Frequency	50 to 60 Hz	Approval and Application	
Power Consumption	3.7 W	Suitable For Accent Lighting	Yes
Lamp Current (Nom)	18 mA	Energy Consumption kWh/1000 h	4 kWh
Wattage Equivalent	35 W	EPREL Registration Number	467 611
Starting Time (Nom)	0.5 s	CE mark	Yes
Warm-up time to 60% light	0.5 s	EU RoHS compliant	Yes
Power Factor (Fraction)	0.9		
Voltage (Nom)	220-240 V	Product Data	
Temperature		Full product code	871951431228900
T-Case Maximum (Nom)	70 °C	Order product name	MAS LED spot VLE DT 3.7-35W GU10 927 36D
Controls and Dimming		Order code	929002979702
Dimmable	Only with specific dimmers	Numerator - Quantity Per Pack	1
Mechanical and Housing		Numerator - Packs per outer box	10
Bulb Shape	PAR16 (PAR 2 inch/50mm)	Material number (12NC)	929002979702
		Full product name	MAS LED spot VLE DT 3.7-35W GU10 927 36D
		EAN/UPC - Case	8719514312296

Dimensional drawing



Product	D	C
MAS LED spot VLE DT 3.7-35W GU10 927 36D	50 mm	54 mm

Photometric data

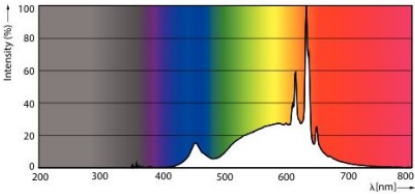


Light Distribution Diagram - MAS LED spot VLE DT 3.7-35W GU10 927 36D

Updated draft for technical review and LPA submission preparation

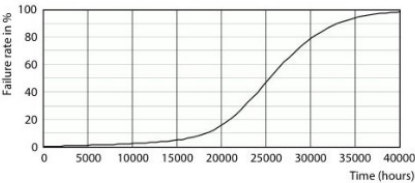
MASTER VALUE LEDspot MV

Photometric data

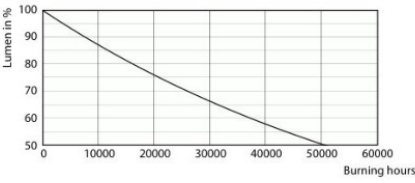


Spectral Power Distribution Colour - MAS LED spot VLE DT 3.7-35W GU10 927 36D

Lifetime



Life Expectancy Diagram - MAS LED spot VLE DT 3.7-35W GU10 927 36D



Lumen Maintenance Diagram - MAS LED spot VLE DT 3.7-35W GU10 927 36D



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www.lighting.philips.com
2023, May 19 - data subject to change

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