PHILIPS

PowerBalance RC360B

RC360B



PowerBalance Gen2: sustainable performance

When it comes to lighting office spaces with LED luminaires, businesses are willing to invest in sustainability, provided they get a payback on their investment. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. Philips PowerBalance Gen2 is our most energy-efficient, office-compliant LED luminaire. Designed for circularity and enhanced wellbeing, this office luminaire also promises future-proof connectivity. State-of-the-art efficacy (at CRI >90), upgradability features, a long lifetime, repairability, and design for recyclability make PowerBalance Gen2 a true ‘green choice’. One that also delivers significantly lower operational costs to ensure an attractive payback that meets the needs of businesses and the specification market.The Gen2 architecture in the latest PowerBalance range has enabled us to create a range of highly-versatile modular and semi-modular luminaires. These LED luminaires can be easily mounted in ceilings with an exposed T-bar or concealed T-bar, as well as plaster ceilings and bandraster-type ceilings. PowerBalance is a solution with superior lighting specifications combined with a best-in-class connectivity designed for Circularity & enhanced Wellbeing using Interact Pro - all with a sustainable approach to high-performance office lighting.

Benefits

- Extremely-efficient LED luminaire with upto 174 lm/W
- Complies with office norms
- Comfortable, glare-free light
- Significantly reduces operational costs for an attractive payback time
- Sustainable and best-in-class connected offer

Applications

- Offices
- Education
- Healthcare

Features

- Best-in-class efficacy up to 174lm/W supports green building design and energy saving subsidy criteria
- 3000K, 4000K, Tunable White options with CRI >90
- Long lifetime 50,000 hours @L90
- Prepared for circularity (no glue, replaceable electronics, upgradable system, efficient and long lifetime
- Environmental Product Declaration (EPD) guide
- Connected system ready with Interact Pro scalable platform using integrated sensors and/or wireless drivers for data collection, occupancy, daylight regulation and wayfinding
- The product is IP20 and, as such, is not protected against water ingress. Therefore, we strongly recommend that the environment in which the luminaire is to be installed should be suitably checked
- If the advice above is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure and the product warranty will become void

Versions

IPPR RC360Bi 0001

IPPR_RC360Bi_0003-Product photo

IPPR RC360Bi 0005

IPPR RC360Bi 0007



PowerBalance Rectangle-8cup



PowerBalance RC360B W60L60 CWL U4

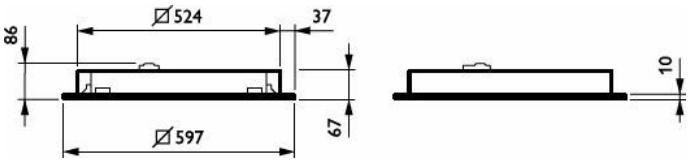


PowerBalance Square- 8cup

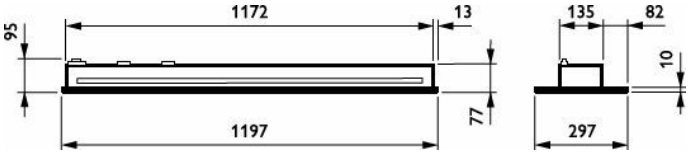


PowerBalance RC360B W60L60 CWL

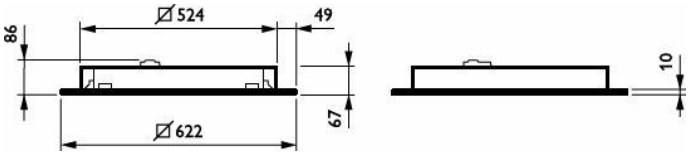
Dimensional drawing



RC360B 34S/UE840 DEIA W60L60 VPC CWL W5



PowerBalance recessed - LED Module, system flux 3400 lm - 930 warm white - Power supply unit with DALI interface - Plug-in connector 3-pole Wieland/Adels compatible - -



PowerBalance recessed - LED Module, system flux 3400 lm - 940 neutral white - Power supply unit - Width 0.62 m, length 0.62 m - Visible profile ceiling version - Push-in connector and pull relief - -



PowerBalance recessed - LED Module, system flux 3400 lm - 940 neutral white - Power supply unit - Width 0.31 m, length 1.25 m - Visible profile ceiling version - Push-in connector and pull relief - -

Product details



IPDP_RC360Bi_0001-Detail photo



IPDP_RC360Bi_0003-Detail photo



IPDP_RC360Bi_0005-Detail photo

IPDP_RC360Bi_0007-Detail photo



IPDP_RC360Bi_0019-Detail photo



PowerBalance LEAF DP



PowerBalance SC200 DPP



PowerBalance SC200 DPP



PowerBalance SC200 DPP



PowerBalance SC200 DPP



PowerBalance_RC360_W31L125_IA4-DPP

General Information

Lamp family code	LED34S [LED module, system flux 3400 lm]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Service tag	Yes

Light Technical

Luminous Flux	3,400 lm
Number of light sources	1
Beam angle of light source	120 degree(s)
Optic type	Wide beam office compliant

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Protection class IEC	Safety class I

Mechanical and Housing

Housing Color	White
Ingress protection code	IP20/40 [Finger-protected, Emitting surface]
Mech. impact protection code	IK03 [0.35 J reinforced]
Explosion hazard class	-
Optical cover type	Polycarbonate bowl/cover

Emergency Operation

Emergency lighting	DC operated central emergency lighting

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.01 %

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
910505100247	RC360B 34S/930 DEIA W60L60 VPC	3000 K	131 lm/W	>90
910505100255	RC360B 34S/940 PSE W60L60 VPC	4000 K	129 lm/W	>90
910505100267	RC360B 34S/940 DEIA W60L60 VPC W3W2	4000 K	139 lm/W	>90
910505101016	RC360B 34S/940 PSE W60L60 VPC SC	4000 K	129 lm/W	>90
910505100231	RC360B 34S/940 DEIA W30L120 VPC W3W2	4000 K	139 lm/W	>90
910505100240	RC360B 34S/930 DEIA W30L120 VPC W3W2	3000 K	131 lm/W	>90
910505100242	RC360B 34S/940 DEIA W30L120 VPC	4000 K	139 lm/W	>90
910505100248	RC362B 34S/940 PSD W62L62 VPC	4000 K	139 lm/W	>90
910505100253	RC362B 34S/940 PSE W62L62 VPC	4000 K	129 lm/W	>90
910505100239	RC362B 34S/940 PSE W31L125 VPC	4000 K	129 lm/W	>90
910505101726	RC360B 34S/930 SEIA W30L120 VPC U4 W3	3000 K	128 lm/W	>90
910505101732	RC360B 34S/940 SEIA W30L120VPCU4 SC	4000 K	127 lm/W	>90
910505105869	RC360B 34S/940 SEIA W60L60 CWL VPC U4 W3	4000 K	139 lm/W	>90
910505101709	RC360B 34S/940 SEIA W60L60 VPC U4 W3	4000 K	139 lm/W	>90
910505101723	RC360B 34S/930 SEIA W60L60 VPC U4 SC	3000 K	128 lm/W	>90
910505101724	RC360B 34S/940 SEIA W60L60 VPC U4 SC	4000 K	139 lm/W	>90
910505101725	RC360B 34S/940 SEIA W60L60 VPC U4 W3 SC	4000 K	127 lm/W	>90
910505105868	RC360B 34S/UE840 DEIA W60L60 VPC CWL W5	4000 K	166 lm/W	>80

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Suitable for random switching
910505100247	RC360B 34S/930 DEIA W60L60 VPC	27 W	Yes
910505100255	RC360B 34S/940 PSE W60L60 VPC	26 W	Yes
910505100267	RC360B 34S/940 DEIA W60L60 VPC W3W2	26 W	Yes
910505101016	RC360B 34S/940 PSE W60L60 VPC SC	26 W	Yes
910505100231	RC360B 34S/940 DEIA W30L120 VPC W3W2	26 W	Yes
910505100240	RC360B 34S/930 DEIA W30L120 VPC W3W2	27 W	Yes
910505100242	RC360B 34S/940 DEIA W30L120 VPC	26 W	Yes
910505100248	RC362B 34S/940 PSD W62L62 VPC	26 W	Yes
910505100253	RC362B 34S/940 PSE W62L62 VPC	26 W	Yes
910505100239	RC362B 34S/940 PSE W31L125 VPC	26 W	Yes
910505101726	RC360B 34S/930 SEIA W30L120 VPC U4 W3	27 W	Yes (relates to presence/ movement detection and daylight harvesting)
910505101732	RC360B 34S/940 SEIA W30L120VPCU4 SC	26 W	Yes (relates to presence/ movement detection and daylight harvesting)
910505105869	RC360B 34S/940 SEIA W60L60 CWL VPC U4 W3	26 W	Yes (relates to presence/ movement detection and daylight harvesting)
910505101709	RC360B 34S/940 SEIA W60L60 VPC U4 W3	26 W	Yes (relates to presence/ movement detection and daylight harvesting)
910505101723	RC360B 34S/930 SEIA W60L60 VPC U4 SC	27 W	Yes (relates to presence/ movement detection and daylight harvesting)

Order Code	Full Product Name	Power Consumption	Suitable for random switching
910505101724	RC360B 34S/940 SEIA W60L60 VPC U4 SC	26 W	Yes (relates to presence/ movement detection and daylight harvesting)
910505101725	RC360B 34S/940 SEIA W60L60 VPC U4 W3 SC	26 W	Yes (relates to presence/ movement detection and daylight harvesting)
910505105868	RC360B 34S/UE840 DEIA W60L60 VPC CWL W5	21 W	Yes

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level	Embedded control
910505100247	RC360B 34S/930 DEIA W60L60 VPC	Yes	1%	-
910505100255	RC360B 34S/940 PSE W60L60 VPC	No	Not applicable	-
910505100267	RC360B 34S/940 DEIA W60L60 VPC W3W2	Yes	1%	-
910505101016	RC360B 34S/940 PSE W60L60 VPC SC	No	Not applicable	-
910505100231	RC360B 34S/940 DEIA W30L120 VPC W3W2	Yes	1%	-
910505100240	RC360B 34S/930 DEIA W30L120 VPC W3W2	Yes	1%	-
910505100242	RC360B 34S/940 DEIA W30L120 VPC	Yes	1%	-
910505100248	RC362B 34S/940 PSD W62L62 VPC	Yes	1%	-
910505100253	RC362B 34S/940 PSE W62L62 VPC	No	Not applicable	-
910505100239	RC362B 34S/940 PSE W31L125 VPC	No	Not applicable	-
910505101726	RC360B 34S/930 SEIA W30L120 VPC U4 W3	Yes	1%	Upgradable sensor slot with SNS210 sensor
910505101732	RC360B 34S/940 SEIA W30L120VPCU4 SC	Yes	1%	Upgradable sensor slot with SNS210 sensor
910505105869	RC360B 34S/940 SEIA W60L60 CWL VPC U4 W3	Yes	1%	Upgradable sensor slot with SNS210 sensor
910505101709	RC360B 34S/940 SEIA W60L60 VPC U4 W3	Yes	1%	Upgradable sensor slot with SNS210 sensor
910505101723	RC360B 34S/930 SEIA W60L60 VPC U4 SC	Yes	1%	Upgradable sensor slot with SNS210 sensor
910505101724	RC360B 34S/940 SEIA W60L60 VPC U4 SC	Yes	1%	Upgradable sensor slot with SNS210 sensor
910505101725	RC360B 34S/940 SEIA W60L60 VPC U4 W3 SC	Yes	1%	Upgradable sensor slot with SNS210 sensor
910505105868	RC360B 34S/UE840 DEIA W60L60 VPC CWL W5	Yes	1%	-

Emergency Operation

Order Code	Full Product Name	Central Emergency
910505100247	RC360B 34S/930 DEIA W60L60 VPC	Yes
910505100255	RC360B 34S/940 PSE W60L60 VPC	No
910505100267	RC360B 34S/940 DEIA W60L60 VPC W3W2	Yes
910505101016	RC360B 34S/940 PSE W60L60 VPC SC	No
910505100231	RC360B 34S/940 DEIA W30L120 VPC W3W2	Yes
910505100240	RC360B 34S/930 DEIA W30L120 VPC W3W2	Yes
910505100242	RC360B 34S/940 DEIA W30L120 VPC	Yes
910505100248	RC362B 34S/940 PSD W62L62 VPC	No
910505100253	RC362B 34S/940 PSE W62L62 VPC	No
910505100239	RC362B 34S/940 PSE W31L125 VPC	No
910505101726	RC360B 34S/930 SEIA W30L120 VPC U4 W3	Yes

Order Code	Full Product Name	Central Emergency
910505101732	RC360B 34S/940 SEIA W30L120VPCU4 SC	Yes
910505105869	RC360B 34S/940 SEIA W60L60 CWL VPC U4 W3	Yes
910505101709	RC360B 34S/940 SEIA W60L60 VPC U4 W3	Yes
910505101723	RC360B 34S/930 SEIA W60L60 VPC U4 SC	Yes
910505101724	RC360B 34S/940 SEIA W60L60 VPC U4 SC	Yes
910505101725	RC360B 34S/940 SEIA W60L60 VPC U4 W3 SC	Yes
910505105868	RC360B 34S/UE840 DEIA W60L60 VPC CWL W5	Yes

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
910505100247	RC360B 34S/930 DEIA W60L60 VPC	(0.43, 0.40) SDCM ≤3
910505100255	RC360B 34S/940 PSE W60L60 VPC	(0.38, 0.38) SDCM ≤3
910505100267	RC360B 34S/940 DEIA W60L60 VPC W3W2	(0.38, 0.38) SDCM ≤3
910505101016	RC360B 34S/940 PSE W60L60 VPC SC	(0.38, 0.38) SDCM ≤3
910505100231	RC360B 34S/940 DEIA W30L120 VPC W3W2	(0.38, 0.38) SDCM ≤3
910505100240	RC360B 34S/930 DEIA W30L120 VPC W3W2	(0.43, 0.40) SDCM ≤3
910505100242	RC360B 34S/940 DEIA W30L120 VPC	(0.38, 0.38) SDCM ≤3
910505100248	RC362B 34S/940 PSD W62L62 VPC	(0.38, 0.38) SDCM ≤3
910505100253	RC362B 34S/940 PSE W62L62 VPC	(0.38, 0.38) SDCM ≤3
910505100239	RC362B 34S/940 PSE W31L125 VPC	(0.38, 0.38) SDCM ≤3
910505101726	RC360B 34S/930 SEIA W30L120 VPC U4 W3	(0.43, 0.40) SDCM ≤3
910505101732	RC360B 34S/940 SEIA W30L120VPCU4 SC	(0.38, 0.38) SDCM ≤3
910505105869	RC360B 34S/940 SEIA W60L60 CWL VPC U4 W3	(0.38, 0.38) SDCM ≤3
910505101709	RC360B 34S/940 SEIA W60L60 VPC U4 W3	(0.38, 0.38) SDCM ≤3
910505101723	RC360B 34S/930 SEIA W60L60 VPC U4 SC	(0.43, 0.40) SDCM ≤3
910505101724	RC360B 34S/940 SEIA W60L60 VPC U4 SC	(0.38, 0.38) SDCM ≤3
910505101725	RC360B 34S/940 SEIA W60L60 VPC U4 W3 SC	(0.38, 0.38) SDCM ≤3
910505105868	RC360B 34S/UE840 DEIA W60L60 VPC CWL W5	(0.38, 0.38) SDCM ≤3

Product Data

Order Code	Full Product Name	Product family code
910505100247	RC360B 34S/930 DEIA W60L60 VPC	RC360B
910505100255	RC360B 34S/940 PSE W60L60 VPC	RC360B
910505100267	RC360B 34S/940 DEIA W60L60 VPC W3W2	RC360B
910505101016	RC360B 34S/940 PSE W60L60 VPC SC	RC360B
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910505100240	RC360B 34S/930 DEIA W30L120 VPC W3W2	RC360B
910505100242	RC360B 34S/940 DEIA W30L120 VPC	RC360B
910505100248	RC362B 34S/940 PSD W62L62 VPC	RC362B
910505100253	RC362B 34S/940 PSE W62L62 VPC	RC362B

Order Code	Full Product Name	Product family code
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910505101732	RC360B 34S/940 SEIA W30L120VPCU4 SC	RC360B
910505105869	RC360B 34S/940 SEIA W60L60 CWL VPC U4 W3	RC360B
910505101709	RC360B 34S/940 SEIA W60L60 VPC U4 W3	RC360B
910505101723	RC360B 34S/930 SEIA W60L60 VPC U4 SC	RC360B
910505101724	RC360B 34S/940 SEIA W60L60 VPC U4 SC	RC360B
910505101725	RC360B 34S/940 SEIA W60L60 VPC U4 W3 SC	RC360B
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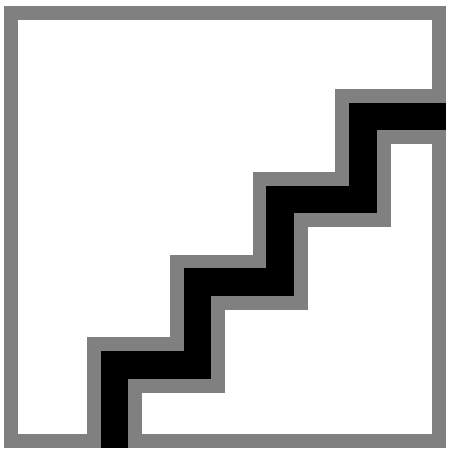
Polar normal diagrams



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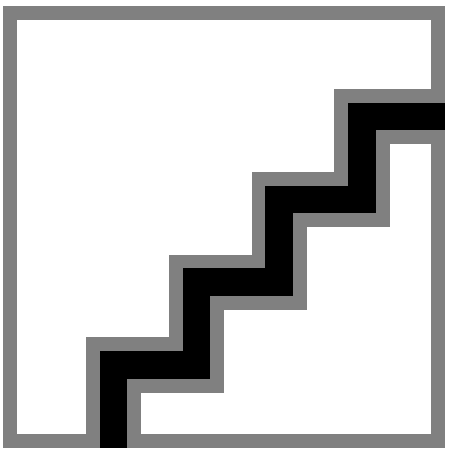

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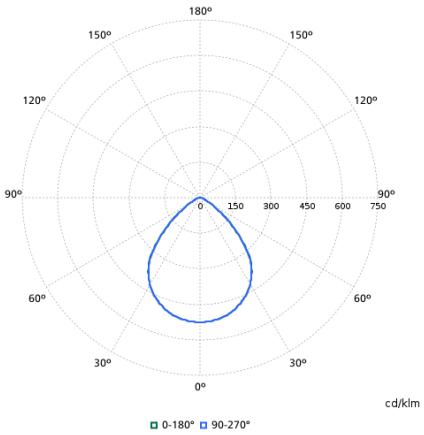

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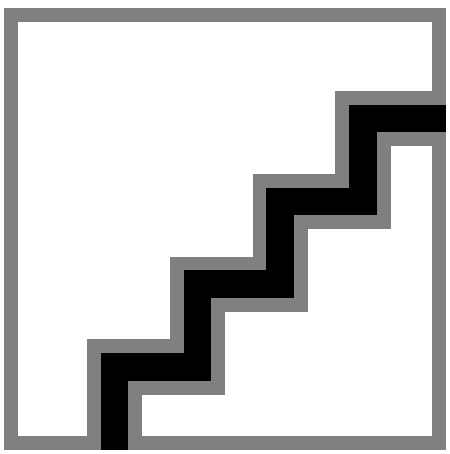

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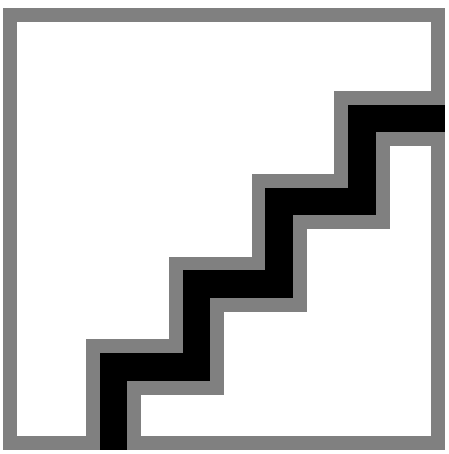

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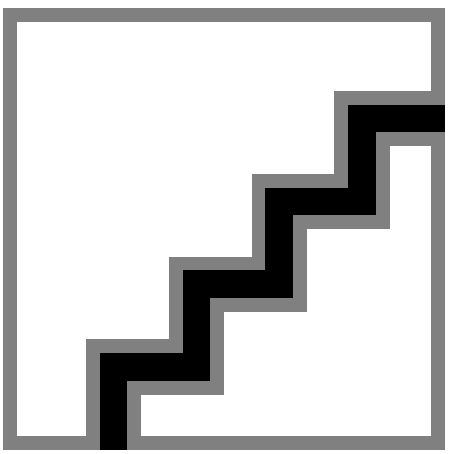

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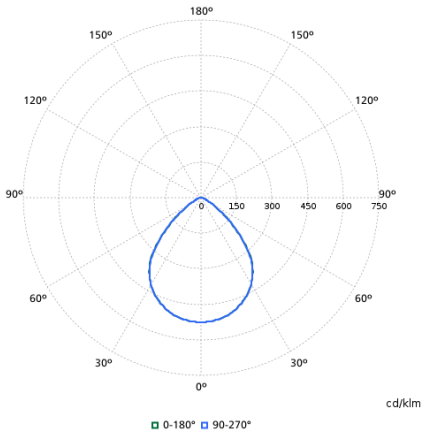

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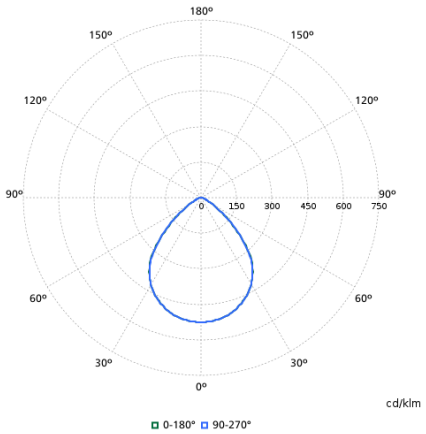

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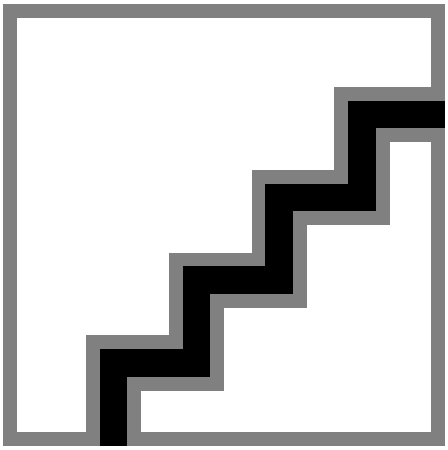

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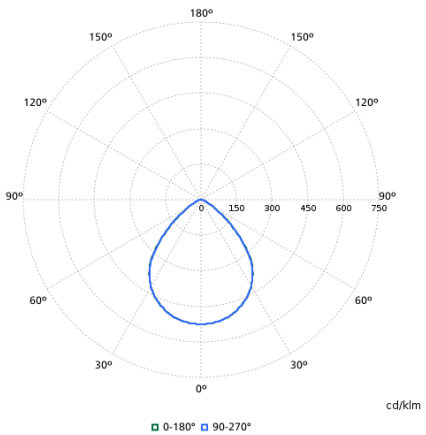

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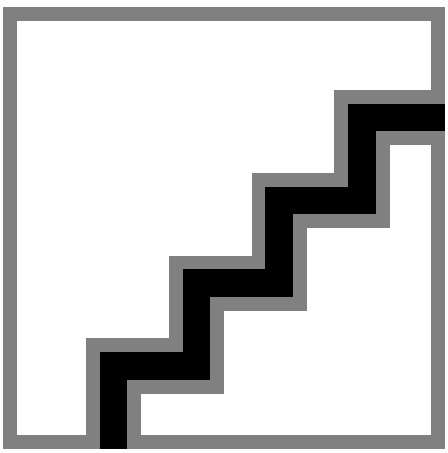

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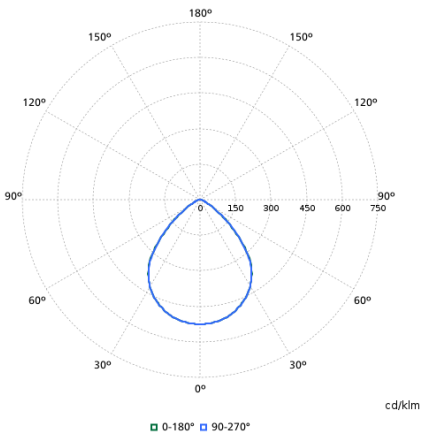

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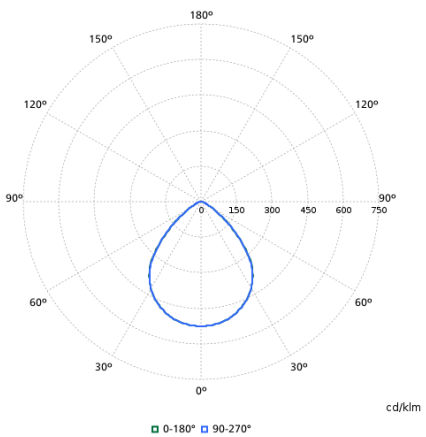

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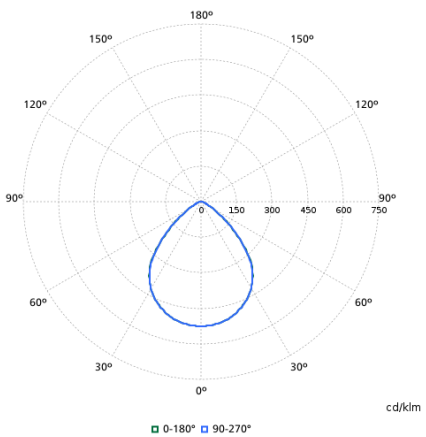

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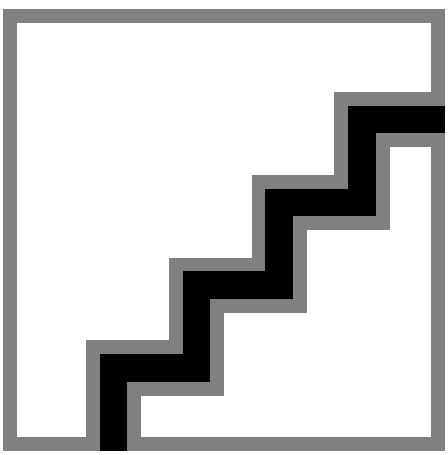

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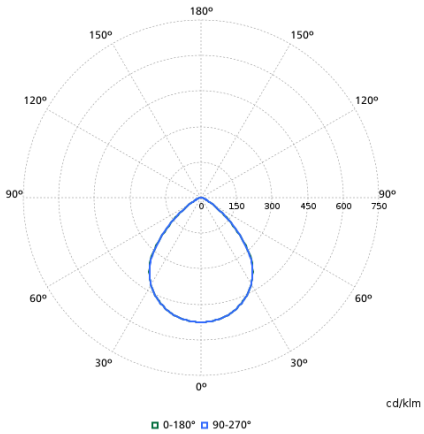

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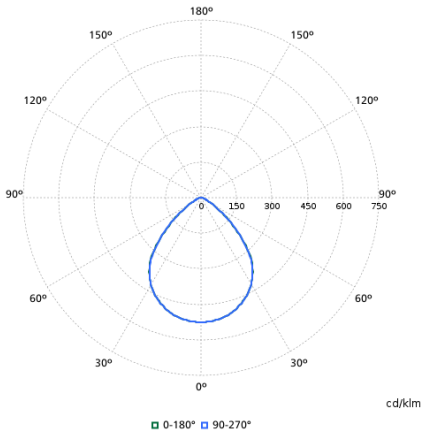

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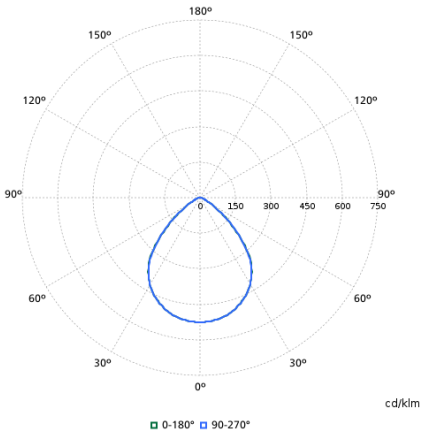

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