DOWNLIGHTS
DEXTER LED DOWNLIGHTS

ROBUS®

DEXTER 6W Directional, Dimmable and Non-Dimmable, IP20 LED downlight, 3000K and 4000K, White

This small and unobtrusive downlight is ideal where the ceiling is not the fire barrier and provides a range of dimming, directionality and light colour temperature functionality for a variety of mainly non-domestic installations. Low power consumption and high lumen packages ensure that energy and maintenance cost savings are maximised

Applications:

For non-fire rated applications in:

- Retail shops
- Libraries
- Hotels
- Restaurants, Pubs & Clubs
- Offices and meeting rooms
- Hotels and reception areas
- Museums and galleries
- Toilet, bathroom and cloakrooms

Construction:

White polybutylene LED & driver housing
White polycarbonate trim
Polycarbonate optic and reflector
Steel fixing clips

Features:	Benefits:
• Complete range	• Non-dimmable or dimmable, in warm or neutral white CCT for task based or more relaxing environments
• White twist and lock standard trim • Optional Brushed Chrome & Satin Silver trims available	• Will match or contrast with most decors
• Wide, adjustable tilt angle	• Directional to highlight wall or floor mounted goods
• High quality materials used in the construction	• Strong and durable with superb aesthetics
• Narrow flange diameter and cut-out • Shallow body	• Provides a neat unobtrusive aesthetic • Ideal for shallow voids where building services may run
• Recessed light source behind LEDchroic optic	• Discomfort glare is reduced to ≤21 for rooms 8H x 4H • Clear light beam with no dark spots and has gentle fade to edges for uniform lighting design

• Utilises high quality SMD LED technology for:
  • Excellent light output
  • Low power consumption
  • Long LED life with stable colour temperature and CRI
	• Compared to 50W mains voltage Halogen
	  • One for one with greater light output for higher lux levels
	  • Almost 90% power consumption for lower electricity bills
	  • No lamp changes and colour temperature drift over life

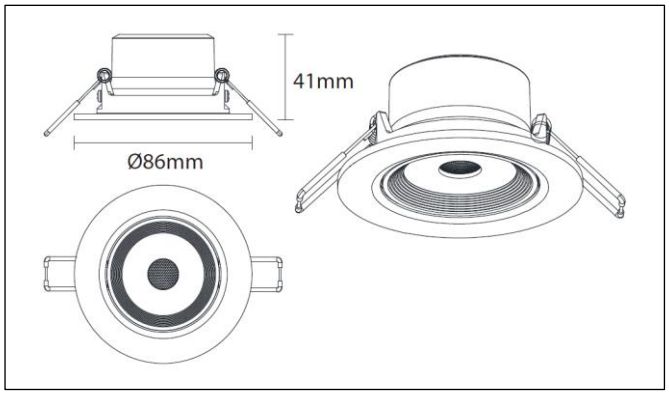
• Integrated driver • Non-dimmable and dimmable versions available (dimmer compatibility list on website)	• No installation issues with the driver • Provides functional dimming for the use of the lit space • Can take advantage of higher non-dim efficiency if not required
• Rugged solid-state lighting technology with no filaments or electrodes to fail	• Less susceptible to failure due to building vibration or hot/cold temperature variations • "Instant on" • Can be switched by microwave, PIR and/or photocell which is detrimental to life of traditional light sources so provides even greater energy savings when lighting not required
• Double insulated	• Safe with no earthing required
• Nylon covered clips	• Eliminates ceiling damage on installation

DOWNLIGHTS
DEXTER LED DOWNLIGHTS

ROBUS®

DEXTER 6W Directional, Dimmable and Non-Dimmable, IP20 LED downlight, 3000K and 4000K, White

Product Code:	RDE6P030-01	RDE6P030D-01	RDE6P040-01	RDE6P040D-01
	3000K Non-dimmable	3000K Dimmable	4000K Non-dimmable	4000K Dimmable
Comparable to:	50W halogen	50W halogen	50W halogen	50W halogen
Total Power (W):	5.9	5.3	5.9	5.4
Total Light Output (lm):	480	420	510	460
Efficacy (lm / cctW):	81	79	86	85
Rated LED Life (hrs):	30000	30000	30000	30000
Warranty (yrs):	2	2	2	2
Illuminance at 1m (lx):	680	600	710	630
Beam Angle (deg):	38	38	38	38
CCT (K):	3000	3000	4000	4000
CRI (Ra):	80	80	80	80
Ingress Protection (IP):	20	20	20	20
Impact Rating (IK):	03	03	03	03
Operating Temperature	-20 ≤ Ta ≤ +40	-20 ≤ Ta ≤ +40	-20 ≤ Ta ≤ +40	-20 ≤ Ta ≤ +40
Operating Voltage (Vac):	220-240	220-240	220-240	220-240
Power Factor (PF):	0.54	0.8	0.54	0.8
Diameter (mm):	86	86	86	86
Cut out (mm):	70	70	70	70
Depth (mm):	41	41	41	41
Projection (mm):	3	3	3	3
Box Qty:	1	1	1	1
Weight (kg):	0.11	0.11	0.11	0.11



Accessories:

RDETRIM-13	BRUSHED CHROME TRIM
RDETRIM-15	SATIN SILVER TRIM

Cone Illuminance Diagram:

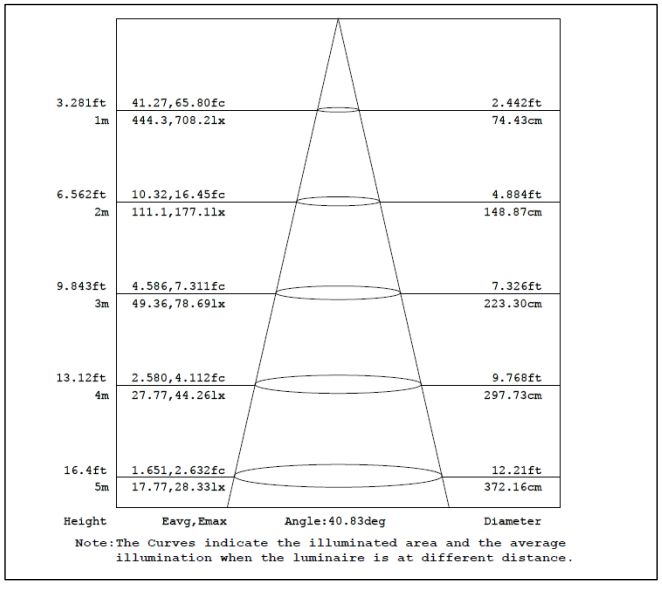
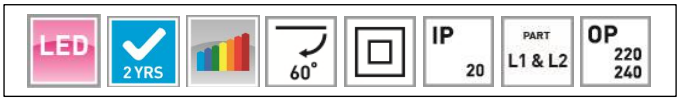


Diagram for RDE6P040-01 in 4,000K. Other diagrams available on request

Standards & Approvals:

Complies with: EN60598-1, EN60598-2-1 EN 60598-2-5, EN55015, EN 60001-3-2, EN 60001-3-3, EN 62493, EN61547, EN 62471



Polar Intensity Diagram:

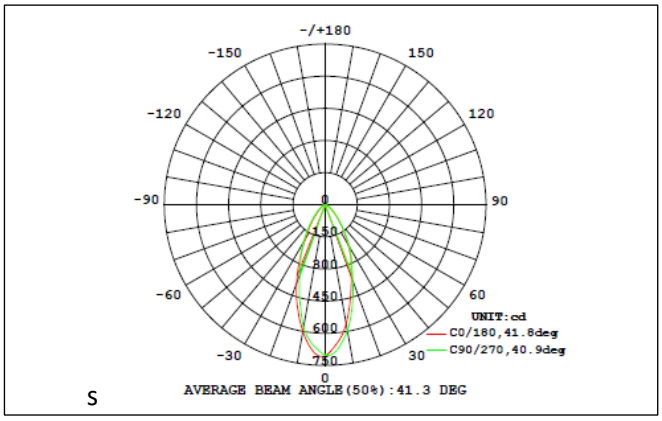


Diagram for RDE6P040-01 in 4,000K. Other diagrams available on request